



Full wwPDB NMR Structure Validation Report ⓘ

Mar 5, 2026 – 09:47 PM UTC

PDB ID : 2GDT / pdb_00002gdt
BMRB ID : 7014
Title : NMR Structure of the nonstructural protein 1 (nsp1) from the SARS coronavirus
Authors : Almeida, M.S.; Herrmann, T.; Geralt, M.; Johnson, M.A.; Saikatendu, K.; Joseph, J.; Subramanian, R.C.; Neuman, B.W.; Buchmeier, M.J.; Stevens, R.C.; Kuhn, P.; Wilson, I.A.; Wuthrich, K.; Joint Center for Structural Genomics (JCSG)
Deposited on : 2006-03-17

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

We welcome your comments at validation@mail.wwpdb.org

A user guide is available at

<https://www.wwpdb.org/validation/2017/NMRValidationReportHelp>

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

<http://www.wwpdb.org/validation/2017/FAQs#types>.

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

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

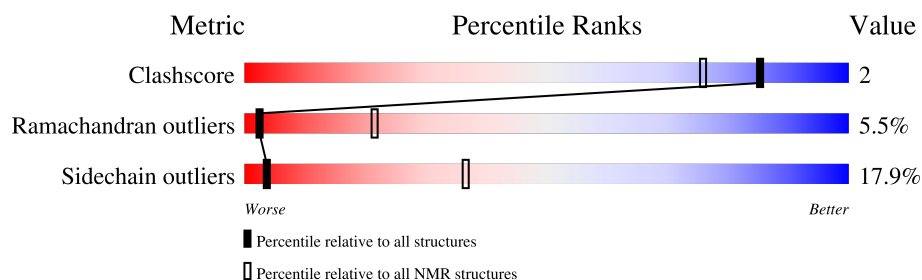
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLUTION NMR

The overall completeness of chemical shifts assignment is 92%.

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 $\leq 5\%$.

Mol	Chain	Length	Quality of chain
1	A	116	

2 Ensemble composition and analysis

This entry contains 20 models. Model 7 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *closest to the average*.

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:2-A:63, A:73-A:113 (103)	0.60	7

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

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

The models can be grouped into 2 clusters and 15 single-model clusters were found.

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

3 Entry composition

There is only 1 type of molecule in this entry. The entry contains 1802 atoms, of which 911 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Leader protein; p65 homolog; NSP1 (EC 3.4.22.-).

Mol	Chain	Residues	Atoms						Trace
1	A	116	Total	C	H	N	O	S	0
			1802	562	911	161	166	2	

There is a discrepancy between the modelled and reference sequences:

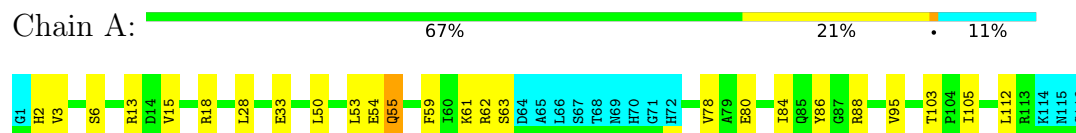
Chain	Residue	Modelled	Actual	Comment	Reference
A	1	GLY	THR	engineered mutation	UNP P59641

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: Leader protein; p65 homolog; NSP1 (EC 3.4.22.-)

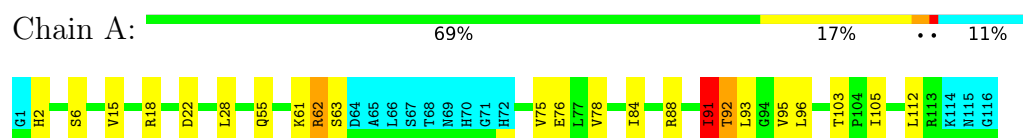


4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

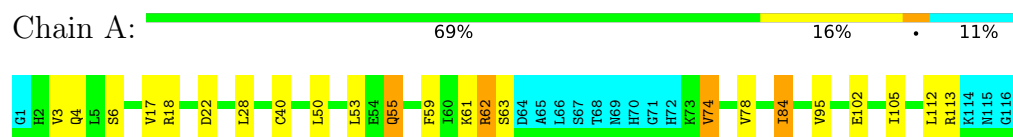
4.2.1 Score per residue for model 1

- Molecule 1: Leader protein; p65 homolog; NSP1 (EC 3.4.22.-)



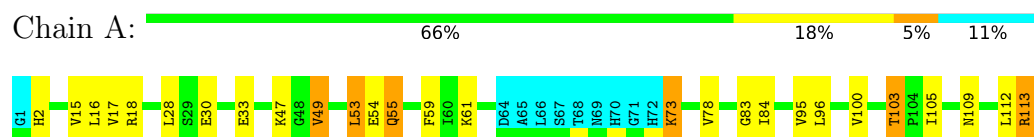
4.2.2 Score per residue for model 2

- Molecule 1: Leader protein; p65 homolog; NSP1 (EC 3.4.22.-)



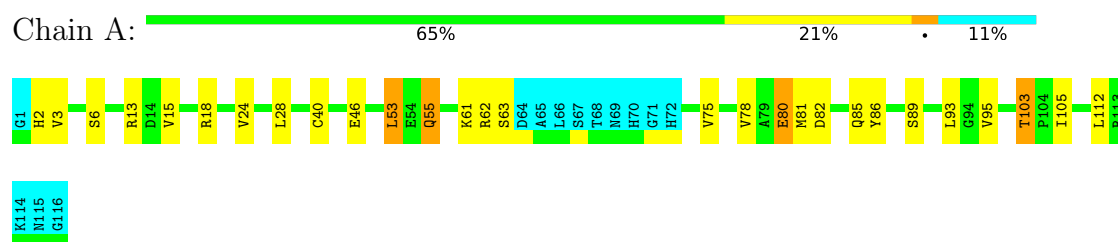
4.2.3 Score per residue for model 3

- Molecule 1: Leader protein; p65 homolog; NSP1 (EC 3.4.22.-)



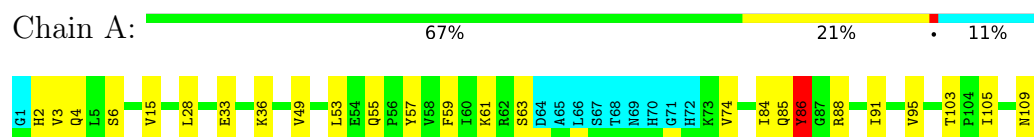
4.2.4 Score per residue for model 4

- Molecule 1: Leader protein; p65 homolog; NSP1 (EC 3.4.22.-)



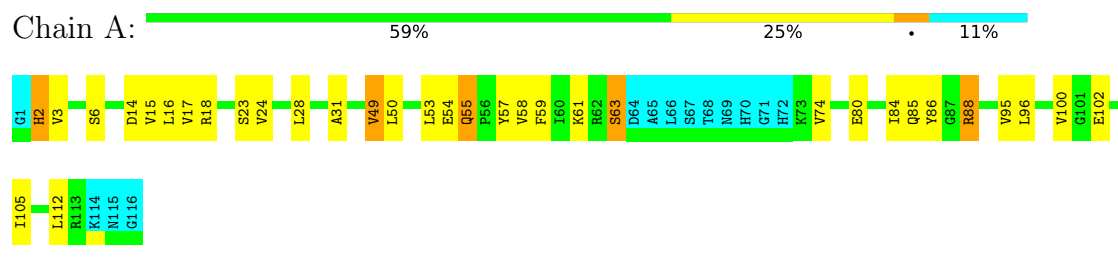
4.2.5 Score per residue for model 5

- Molecule 1: Leader protein; p65 homolog; NSP1 (EC 3.4.22.-)



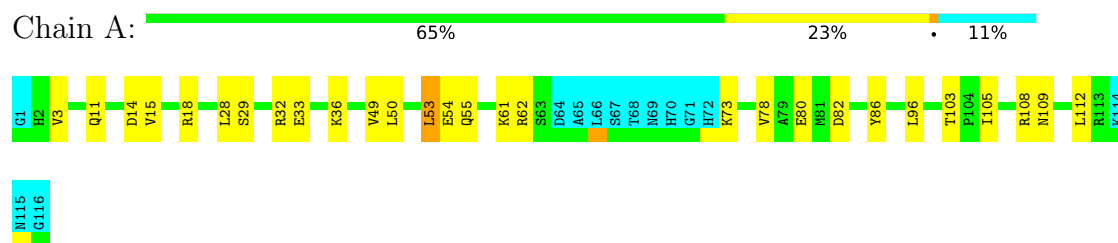
4.2.6 Score per residue for model 6

- Molecule 1: Leader protein; p65 homolog; NSP1 (EC 3.4.22.-)



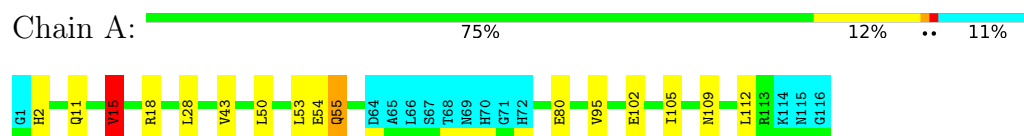
4.2.7 Score per residue for model 7 (medoid)

- Molecule 1: Leader protein; p65 homolog; NSP1 (EC 3.4.22.-)



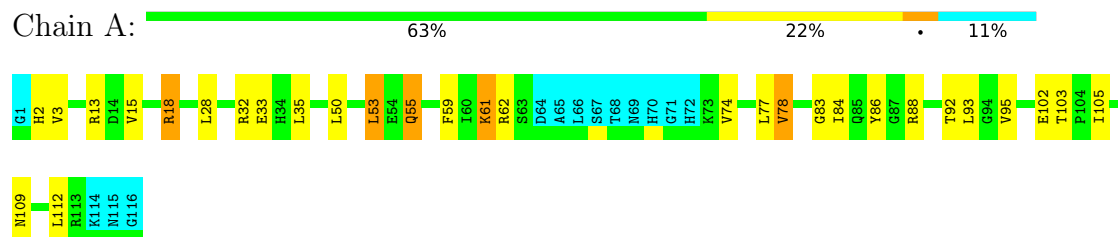
4.2.8 Score per residue for model 8

- Molecule 1: Leader protein; p65 homolog; NSP1 (EC 3.4.22.-)



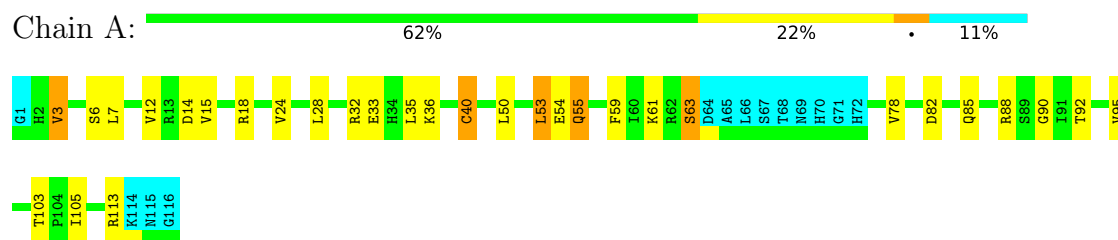
4.2.9 Score per residue for model 9

- Molecule 1: Leader protein; p65 homolog; NSP1 (EC 3.4.22.-)



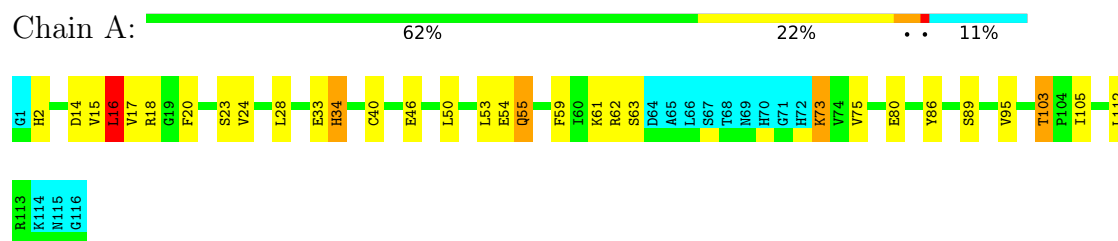
4.2.10 Score per residue for model 10

- Molecule 1: Leader protein; p65 homolog; NSP1 (EC 3.4.22.-)



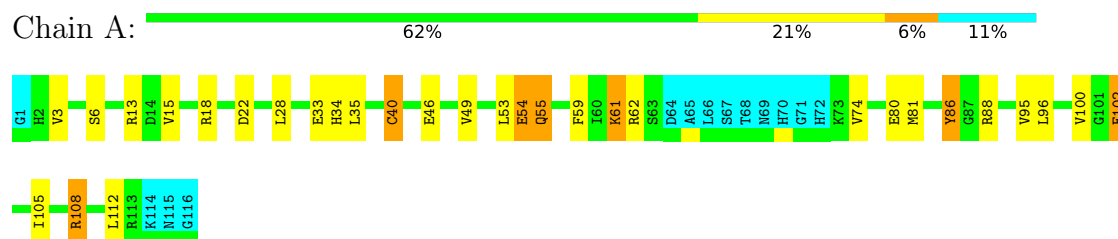
4.2.11 Score per residue for model 11

- Molecule 1: Leader protein; p65 homolog; NSP1 (EC 3.4.22.-)



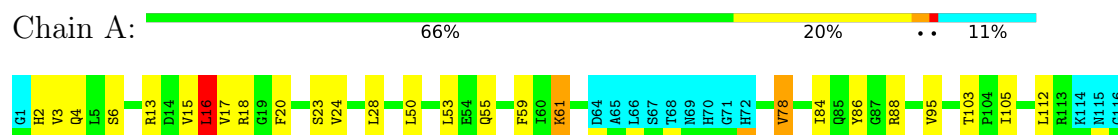
4.2.12 Score per residue for model 12

- Molecule 1: Leader protein; p65 homolog; NSP1 (EC 3.4.22.-)



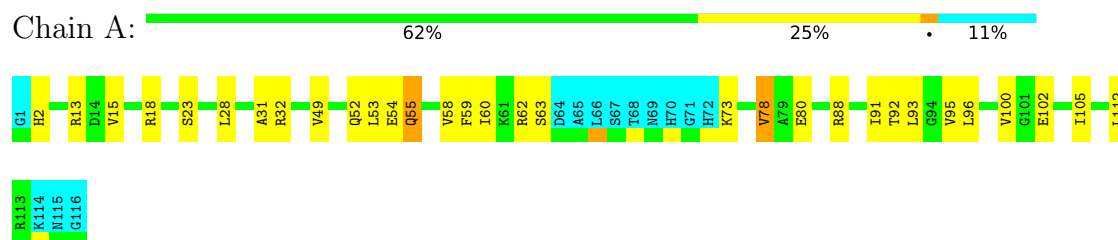
4.2.13 Score per residue for model 13

- Molecule 1: Leader protein; p65 homolog; NSP1 (EC 3.4.22.-)



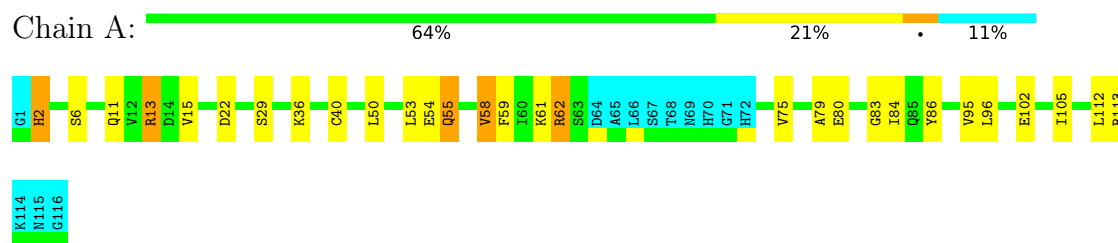
4.2.14 Score per residue for model 14

- Molecule 1: Leader protein; p65 homolog; NSP1 (EC 3.4.22.-)



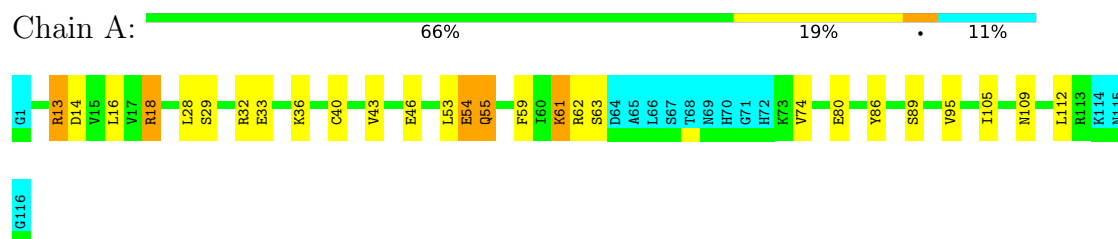
4.2.15 Score per residue for model 15

- Molecule 1: Leader protein; p65 homolog; NSP1 (EC 3.4.22.-)



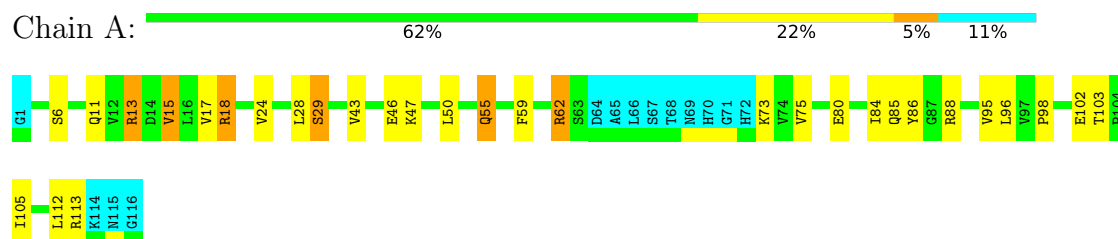
4.2.16 Score per residue for model 16

- Molecule 1: Leader protein; p65 homolog; NSP1 (EC 3.4.22.-)



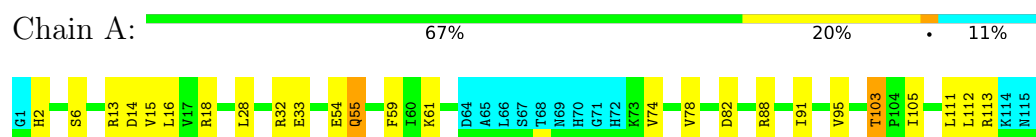
4.2.17 Score per residue for model 17

- Molecule 1: Leader protein; p65 homolog; NSP1 (EC 3.4.22.-)



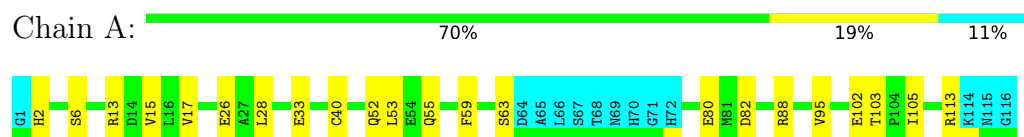
4.2.18 Score per residue for model 18

- Molecule 1: Leader protein; p65 homolog; NSP1 (EC 3.4.22.-)



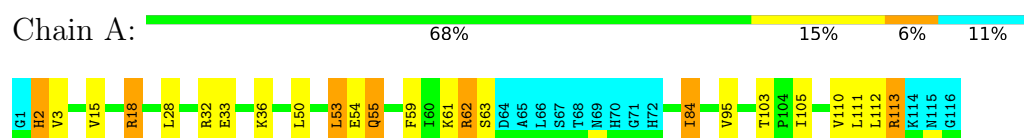
4.2.19 Score per residue for model 19

- Molecule 1: Leader protein; p65 homolog; NSP1 (EC 3.4.22.-)



4.2.20 Score per residue for model 20

- Molecule 1: Leader protein; p65 homolog; NSP1 (EC 3.4.22.-)



5 Refinement protocol and experimental data overview

The models were refined using the following method: *ATNOS/CANDID/CYANA*.

Of the 120 calculated structures, 20 were deposited, based on the following criterion: *target function*.

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

Software name	Classification	Version
CYANA	structure 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	1452
Number of shifts mapped to atoms	1452
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	92%

6 Model quality i

6.1 Standard geometry i

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#Z>5	RMSZ	#Z>5
1	A	0.65±0.01	0±0/813 (0.0± 0.0%)	1.46±0.03	4±2/1103 (0.3± 0.2%)
All	All	0.65	0/16260 (0.0%)	1.46	73/22060 (0.3%)

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

Mol	Chain	Chirality	Planarity
1	A	0.0±0.0	1.8±1.1
All	All	0	36

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(°)	Ideal(°)	Models	
								Worst	Total
1	A	95	VAL	CA-CB-CG1	9.50	126.56	110.40	4	1
1	A	40	CYS	CA-C-N	7.31	127.96	121.82	16	5
1	A	40	CYS	C-N-CA	7.31	127.96	121.82	16	5
1	A	82	ASP	CA-CB-CG	7.17	119.78	112.60	4	1
1	A	34	HIS	CB-CG-CD2	-6.55	122.69	131.20	12	1
1	A	52	GLN	N-CA-C	-6.40	107.33	114.62	14	2
1	A	49	VAL	N-CA-C	-6.38	105.52	111.45	6	2
1	A	113	ARG	CA-C-N	6.26	130.09	121.33	19	1
1	A	113	ARG	C-N-CA	6.26	130.09	121.33	19	1
1	A	14	ASP	CA-C-N	6.16	133.05	121.97	10	3
1	A	14	ASP	C-N-CA	6.16	133.05	121.97	10	3
1	A	85	GLN	CA-C-N	6.13	129.33	120.38	17	1
1	A	85	GLN	C-N-CA	6.13	129.33	120.38	17	1
1	A	18	ARG	CD-NE-CZ	6.02	132.83	124.40	13	1
1	A	98	PRO	N-CA-CB	6.00	106.28	102.92	17	1

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
1	A	2	HIS	CB-CG-CD2	-5.97	123.44	131.20	11	14
1	A	80	GLU	CA-C-N	5.73	128.75	120.79	4	2
1	A	80	GLU	C-N-CA	5.73	128.75	120.79	4	2
1	A	34	HIS	CA-CB-CG	5.48	119.28	113.80	12	1
1	A	63	SER	CA-C-N	5.46	131.96	121.54	10	1
1	A	63	SER	C-N-CA	5.46	131.96	121.54	10	1
1	A	91	ILE	CA-CB-CG2	5.41	119.69	110.50	1	1
1	A	62	ARG	CB-CA-C	5.40	118.88	110.67	12	1
1	A	100	VAL	CB-CA-C	5.35	120.06	111.29	6	2
1	A	109	ASN	CA-CB-CG	5.33	117.93	112.60	8	2
1	A	76	GLU	CA-C-N	5.26	129.02	121.50	1	1
1	A	76	GLU	C-N-CA	5.26	129.02	121.50	1	1
1	A	13	ARG	CD-NE-CZ	5.24	131.74	124.40	17	1
1	A	49	VAL	CA-CB-CG1	5.23	119.29	110.40	6	1
1	A	29	SER	CA-C-N	5.21	127.26	120.28	17	1
1	A	29	SER	C-N-CA	5.21	127.26	120.28	17	1
1	A	83	GLY	CA-C-N	5.12	131.19	121.97	3	2
1	A	83	GLY	C-N-CA	5.12	131.19	121.97	3	2
1	A	46	GLU	CA-C-N	5.12	127.39	120.38	12	1
1	A	46	GLU	C-N-CA	5.12	127.39	120.38	12	1
1	A	3	VAL	CA-CB-CG1	5.08	119.03	110.40	9	1
1	A	91	ILE	CA-C-N	5.06	131.21	121.54	1	1
1	A	91	ILE	C-N-CA	5.06	131.21	121.54	1	1
1	A	20	PHE	CA-C-N	5.03	126.64	122.17	13	1
1	A	20	PHE	C-N-CA	5.03	126.64	122.17	13	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	13	ARG	Sidechain	7
1	A	62	ARG	Sidechain,Peptide	5
1	A	88	ARG	Sidechain,Peptide	4
1	A	113	ARG	Sidechain,Peptide	3
1	A	86	TYR	Sidechain	3
1	A	32	ARG	Sidechain	3
1	A	63	SER	Peptide	2
1	A	18	ARG	Sidechain	2
1	A	22	ASP	Peptide	1
1	A	91	ILE	Peptide	1

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Mol	Chain	Res	Type	Group	Models (Total)
1	A	57	TYR	Sidechain	1
1	A	90	GLY	Peptide	1
1	A	108	ARG	Sidechain	1
1	A	83	GLY	Peptide	1
1	A	82	ASP	Peptide	1

6.2 Too-close contacts

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	800	831	831	4±2
All	All	16000	16620	16620	73

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:62:ARG:HA	1:A:75:VAL:HG12	0.61	1.72	11	3
1:A:34:HIS:CE1	1:A:40:CYS:HB2	0.60	2.32	11	1
1:A:20:PHE:CZ	1:A:34:HIS:CE1	0.58	2.91	11	1
1:A:61:LYS:HE3	1:A:86:TYR:CD1	0.57	2.35	9	4
1:A:59:PHE:CD1	1:A:95:VAL:HG22	0.56	2.35	2	16
1:A:35:LEU:HD23	1:A:40:CYS:SG	0.55	2.41	10	2
1:A:61:LYS:HE2	1:A:86:TYR:CE1	0.54	2.37	13	1
1:A:11:GLN:O	1:A:15:VAL:HG23	0.54	2.03	17	2
1:A:59:PHE:CE1	1:A:95:VAL:HG22	0.54	2.38	13	1
1:A:61:LYS:HE3	1:A:78:VAL:HG11	0.53	1.79	13	1
1:A:35:LEU:CD1	1:A:77:LEU:HD11	0.53	2.34	9	1
1:A:31:ALA:CB	1:A:58:VAL:HG11	0.51	2.35	14	2
1:A:34:HIS:NE2	1:A:40:CYS:HB2	0.49	2.23	11	1
1:A:16:LEU:HD23	1:A:16:LEU:N	0.49	2.23	13	1
1:A:61:LYS:HE3	1:A:86:TYR:CE1	0.48	2.44	5	3
1:A:18:ARG:HH22	1:A:43:VAL:HG21	0.48	1.68	16	1
1:A:16:LEU:HD23	1:A:16:LEU:H	0.47	1.69	13	1
1:A:20:PHE:CE1	1:A:34:HIS:NE2	0.46	2.83	11	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:18:ARG:HB3	1:A:53:LEU:HD13	0.46	1.86	3	3
1:A:16:LEU:C	1:A:16:LEU:HD12	0.46	2.35	11	1
1:A:35:LEU:HD12	1:A:77:LEU:HD11	0.45	1.88	9	1
1:A:61:LYS:HE3	1:A:78:VAL:HG21	0.45	1.88	13	1
1:A:50:LEU:HG	1:A:57:TYR:CE2	0.44	2.47	6	1
1:A:18:ARG:CB	1:A:53:LEU:HD13	0.44	2.43	7	2
1:A:18:ARG:CB	1:A:53:LEU:HD12	0.44	2.43	4	1
1:A:20:PHE:CE1	1:A:34:HIS:CE1	0.44	3.06	11	1
1:A:15:VAL:HG21	1:A:43:VAL:CG2	0.43	2.43	17	1
1:A:61:LYS:HD3	1:A:86:TYR:CD1	0.43	2.48	12	2
1:A:2:HIS:CB	1:A:111:LEU:HD12	0.43	2.43	20	1
1:A:12:VAL:HG23	1:A:53:LEU:CD2	0.43	2.44	10	1
1:A:60:ILE:HG23	1:A:96:LEU:HD21	0.42	1.91	14	1
1:A:58:VAL:HG12	1:A:96:LEU:HD23	0.42	1.91	14	1
1:A:18:ARG:HH22	1:A:43:VAL:CG2	0.42	2.26	16	1
1:A:7:LEU:HD22	1:A:40:CYS:SG	0.42	2.54	10	1
1:A:18:ARG:HE	1:A:53:LEU:HD13	0.42	1.73	20	1
1:A:59:PHE:CD1	1:A:95:VAL:CG2	0.42	3.03	10	1
1:A:58:VAL:HA	1:A:79:ALA:HA	0.42	1.92	15	1
1:A:59:PHE:HB2	1:A:78:VAL:HG13	0.42	1.90	14	1
1:A:61:LYS:CG	1:A:78:VAL:HG21	0.41	2.45	9	1
1:A:61:LYS:HE2	1:A:86:TYR:CD1	0.41	2.51	13	1
1:A:75:VAL:HG11	1:A:93:LEU:HD12	0.41	1.91	4	1
1:A:61:LYS:HD3	1:A:86:TYR:CE1	0.41	2.50	4	1
1:A:43:VAL:CG1	1:A:95:VAL:HB	0.41	2.45	8	1
1:A:18:ARG:HB3	1:A:53:LEU:HD23	0.41	1.92	16	1

6.3 Torsion angles ⓘ

6.3.1 Protein backbone ⓘ

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	103/116 (89%)	83±3 (80±3%)	14±3 (14±3%)	6±1 (5±1%)	2	21
All	All	2060/2320 (89%)	1657 (80%)	290 (14%)	113 (5%)	2	21

All 20 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	55	GLN	20
1	A	15	VAL	18
1	A	54	GLU	12
1	A	84	ILE	10
1	A	103	THR	10
1	A	102	GLU	9
1	A	63	SER	6
1	A	16	LEU	6
1	A	91	ILE	3
1	A	73	LYS	3
1	A	62	ARG	3
1	A	92	THR	2
1	A	85	GLN	2
1	A	86	TYR	2
1	A	100	VAL	2
1	A	74	VAL	1
1	A	82	ASP	1
1	A	58	VAL	1
1	A	89	SER	1
1	A	113	ARG	1

6.3.2 Protein sidechains ⓘ

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	89/98 (91%)	73±3 (82±4%)	16±3 (18±4%)	4	36
All	All	1780/1960 (91%)	1462 (82%)	318 (18%)	4	36

All 58 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	105	ILE	20
1	A	28	LEU	19
1	A	112	LEU	17
1	A	53	LEU	16

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Mol	Chain	Res	Type	Models (Total)
1	A	55	GLN	15
1	A	6	SER	12
1	A	18	ARG	12
1	A	61	LYS	11
1	A	33	GLU	11
1	A	78	VAL	10
1	A	50	LEU	10
1	A	80	GLU	10
1	A	3	VAL	9
1	A	88	ARG	8
1	A	96	LEU	7
1	A	17	VAL	7
1	A	74	VAL	7
1	A	103	THR	7
1	A	49	VAL	6
1	A	24	VAL	6
1	A	36	LYS	6
1	A	62	ARG	5
1	A	113	ARG	5
1	A	13	ARG	5
1	A	73	LYS	4
1	A	109	ASN	4
1	A	46	GLU	4
1	A	63	SER	4
1	A	23	SER	4
1	A	29	SER	4
1	A	32	ARG	4
1	A	92	THR	3
1	A	93	LEU	3
1	A	4	GLN	3
1	A	22	ASP	3
1	A	14	ASP	3
1	A	84	ILE	2
1	A	47	LYS	2
1	A	81	MET	2
1	A	85	GLN	2
1	A	89	SER	2
1	A	2	HIS	2
1	A	11	GLN	2
1	A	108	ARG	2
1	A	40	CYS	2
1	A	82	ASP	2

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Mol	Chain	Res	Type	Models (Total)
1	A	16	LEU	2
1	A	54	GLU	2
1	A	75	VAL	1
1	A	95	VAL	1
1	A	30	GLU	1
1	A	15	VAL	1
1	A	34	HIS	1
1	A	102	GLU	1
1	A	91	ILE	1
1	A	111	LEU	1
1	A	26	GLU	1
1	A	110	VAL	1

6.3.3 RNA ⓘ

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates ⓘ

There are no oligosaccharides in this entry.

6.6 Ligand geometry ⓘ

There are no ligands in this entry.

6.7 Other polymers ⓘ

There are no such molecules in this entry.

6.8 Polymer linkage issues ⓘ

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 92% for the well-defined parts and 91% 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	1452
Number of shifts mapped to atoms	1452
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 $\pm$ precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	116	-0.03 ± 0.16	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	103	0.06 ± 0.07	None needed (< 0.5 ppm)
$^{13}\text{C}'$	105	-0.04 ± 0.20	None needed (< 0.5 ppm)
^{15}N	106	0.44 ± 0.43	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 92%, i.e. 1328 atoms were assigned a chemical shift out of a possible 1445. 0 out of 31 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	501/515 (97%)	208/211 (99%)	198/206 (96%)	95/98 (97%)
Sidechain	777/862 (90%)	531/565 (94%)	238/265 (90%)	8/32 (25%)

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	Total	¹H	¹³C	¹⁵N
Aromatic	50/68 (74%)	25/34 (74%)	25/31 (81%)	0/3 (0%)
Overall	1328/1445 (92%)	764/810 (94%)	461/502 (92%)	103/133 (77%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 91%, i.e. 1452 atoms were assigned a chemical shift out of a possible 1590. 0 out of 32 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹H	¹³C	¹⁵N
Backbone	562/583 (96%)	235/240 (98%)	221/232 (95%)	106/111 (95%)
Sidechain	836/925 (90%)	571/605 (94%)	255/285 (89%)	10/35 (29%)
Aromatic	54/82 (66%)	27/42 (64%)	27/35 (77%)	0/5 (0%)
Overall	1452/1590 (91%)	833/887 (94%)	503/552 (91%)	116/151 (77%)

7.1.4 Statistically unusual chemical shifts [i](#)

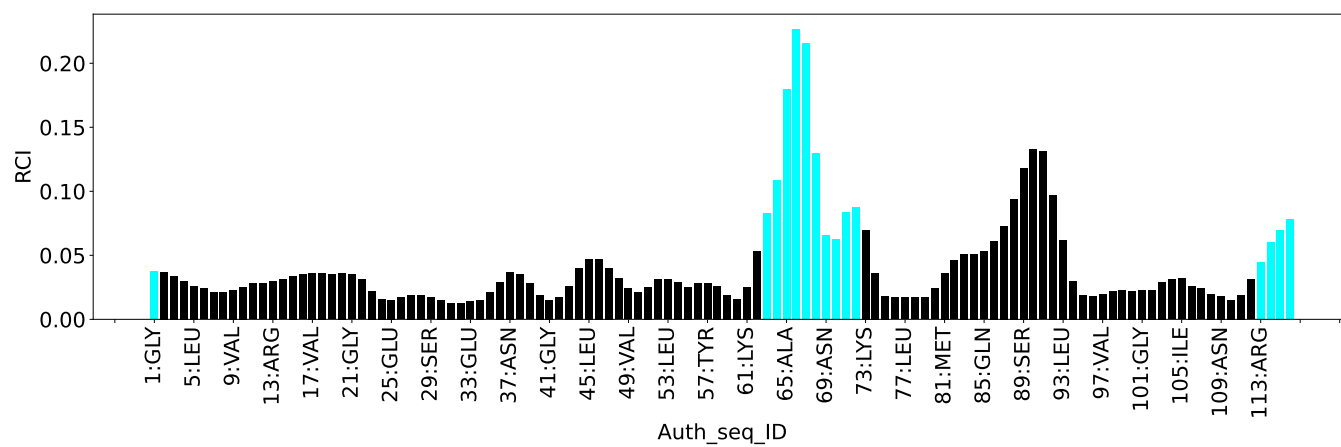
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, ppm	Expected range, ppm	Z-score
1	A	98	PRO	HD2	1.32	1.93 – 5.38	-6.8

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:



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	2534
Intra-residue ($ i-j =0$)	534
Sequential ($ i-j =1$)	668
Medium range ($ i-j >1$ and $ i-j <5$)	343
Long range ($ i-j \geq 5$)	989
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	21.8
Number of long range restraints per residue ¹	8.5

¹Long 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)	38.0	0.2
0.2-0.5 (Medium)	60.2	0.5
>0.5 (Large)	130.4	3.31

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 ⓘ

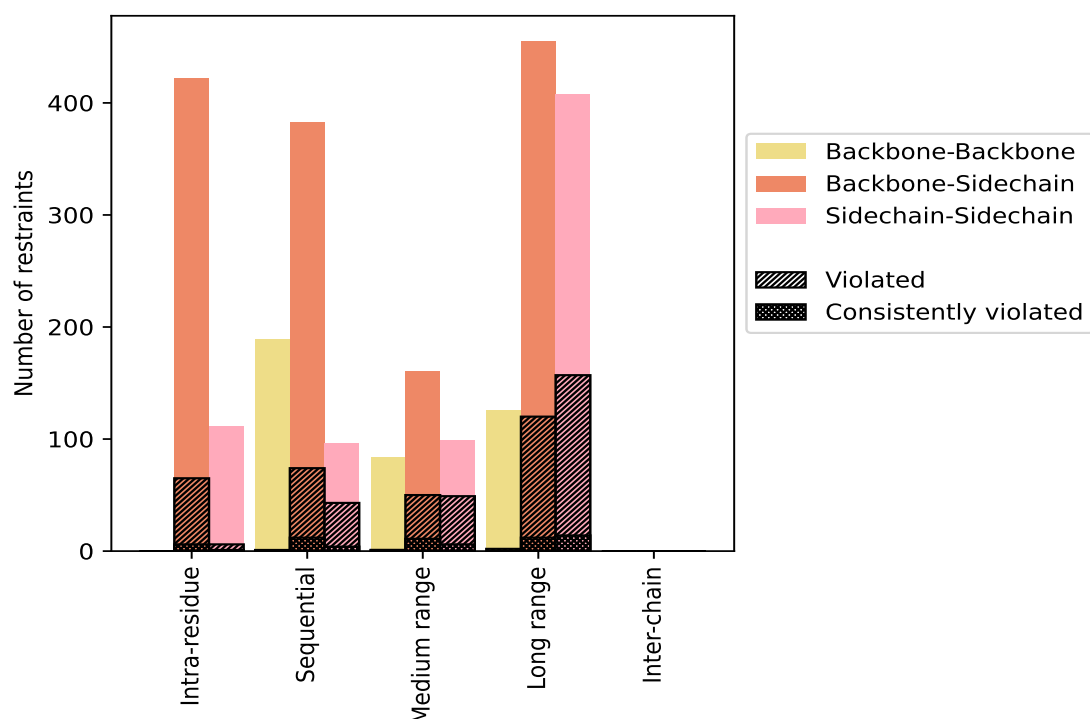
9.1 Summary of distance violations ⓘ

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.

Restrains type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
Intra-residue ($i-j =0$)	534	21.1	71	13.3	2.8	7	1.3	0.3
Backbone-Backbone	1	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	422	16.7	65	15.4	2.6	6	1.4	0.2
Sidechain-Sidechain	111	4.4	6	5.4	0.2	1	0.9	0.0
Sequential ($i-j =1$)	668	26.4	118	17.7	4.7	16	2.4	0.6
Backbone-Backbone	189	7.5	1	0.5	0.0	0	0.0	0.0
Backbone-Sidechain	383	15.1	74	19.3	2.9	12	3.1	0.5
Sidechain-Sidechain	96	3.8	43	44.8	1.7	4	4.2	0.2
Medium range ($i-j >1$ & $i-j <5$)	343	13.5	100	29.2	3.9	18	5.2	0.7
Backbone-Backbone	84	3.3	1	1.2	0.0	1	1.2	0.0
Backbone-Sidechain	160	6.3	50	31.2	2.0	11	6.9	0.4
Sidechain-Sidechain	99	3.9	49	49.5	1.9	6	6.1	0.2
Long range ($i-j \geq 5$)	989	39.0	279	28.2	11.0	26	2.6	1.0
Backbone-Backbone	126	5.0	2	1.6	0.1	0	0.0	0.0
Backbone-Sidechain	455	18.0	120	26.4	4.7	12	2.6	0.5
Sidechain-Sidechain	408	16.1	157	38.5	6.2	14	3.4	0.6
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	2534	100.0	568	22.4	22.4	67	2.6	2.6
Backbone-Backbone	400	15.8	4	1.0	0.2	1	0.2	0.0
Backbone-Sidechain	1420	56.0	309	21.8	12.2	41	2.9	1.6
Sidechain-Sidechain	714	28.2	255	35.7	10.1	25	3.5	1.0

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

9.1.1 Bar chart : Distribution of distance restraints and violations [i](#)



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 [i](#)

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	22	56	48	125	0	251	0.76	2.72	0.62	0.61
2	28	50	49	98	0	225	0.71	2.31	0.52	0.62
3	19	53	48	114	0	234	0.78	2.78	0.55	0.71
4	29	51	49	105	0	234	0.75	2.98	0.57	0.62
5	23	57	54	118	0	252	0.72	2.47	0.55	0.57
6	19	45	48	109	0	221	0.78	2.93	0.56	0.66
7	29	55	52	114	0	250	0.75	3.31	0.57	0.6
8	24	50	51	97	0	222	0.73	2.46	0.55	0.6
9	21	49	50	114	0	234	0.66	2.5	0.52	0.51
10	27	57	52	113	0	249	0.73	2.82	0.58	0.57

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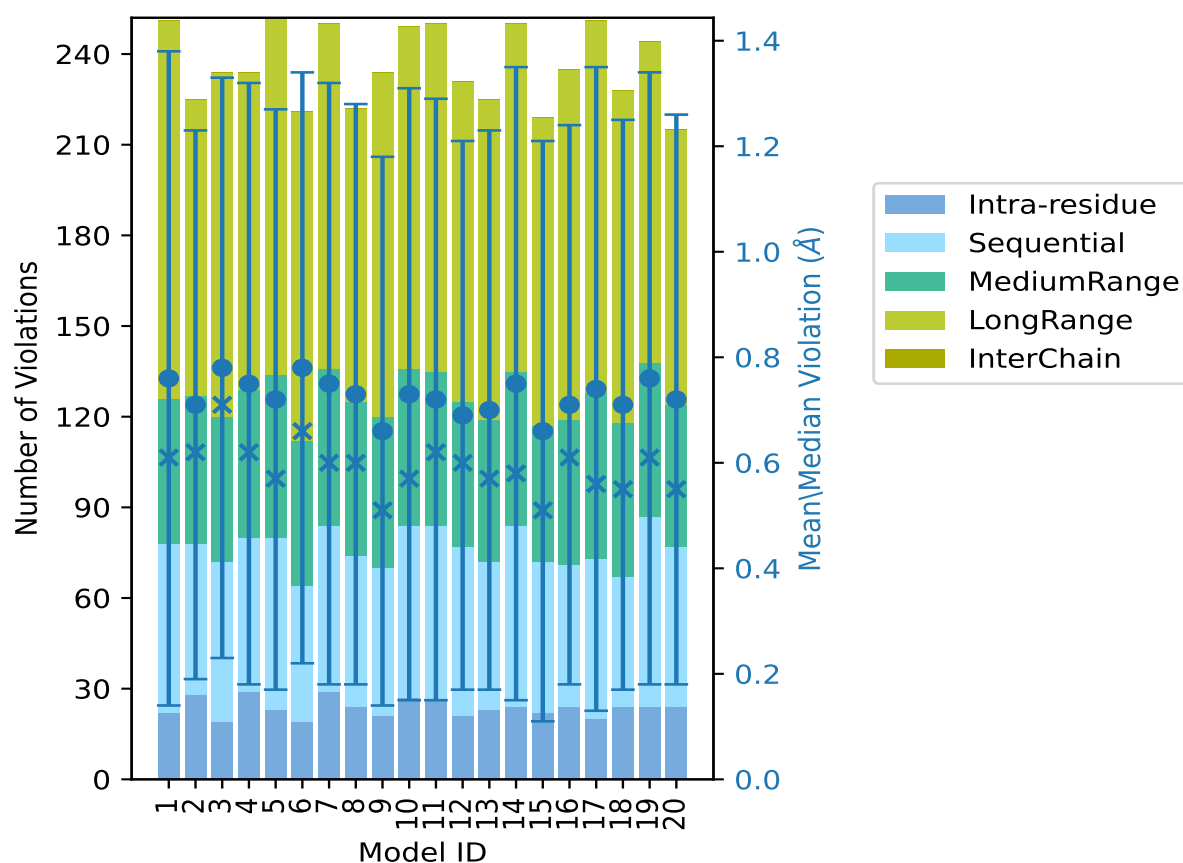
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Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
11	26	58	51	115	0	250	0.72	2.98	0.57	0.62
12	21	56	48	106	0	231	0.69	2.38	0.52	0.6
13	23	49	47	106	0	225	0.7	2.24	0.53	0.57
14	24	60	51	115	0	250	0.75	2.79	0.6	0.58
15	22	50	45	102	0	219	0.66	2.91	0.55	0.51
16	24	47	48	116	0	235	0.71	2.61	0.53	0.61
17	20	53	55	123	0	251	0.74	3.1	0.61	0.56
18	24	43	51	110	0	228	0.71	2.52	0.54	0.55
19	24	63	51	106	0	244	0.76	2.71	0.58	0.61
20	24	53	47	91	0	215	0.72	2.34	0.54	0.55

¹Intra-residue restraints, ²Sequential restraints, ³Medium range restraints, ⁴Long range restraints,

⁵Inter-chain restraints, ⁶Standard 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

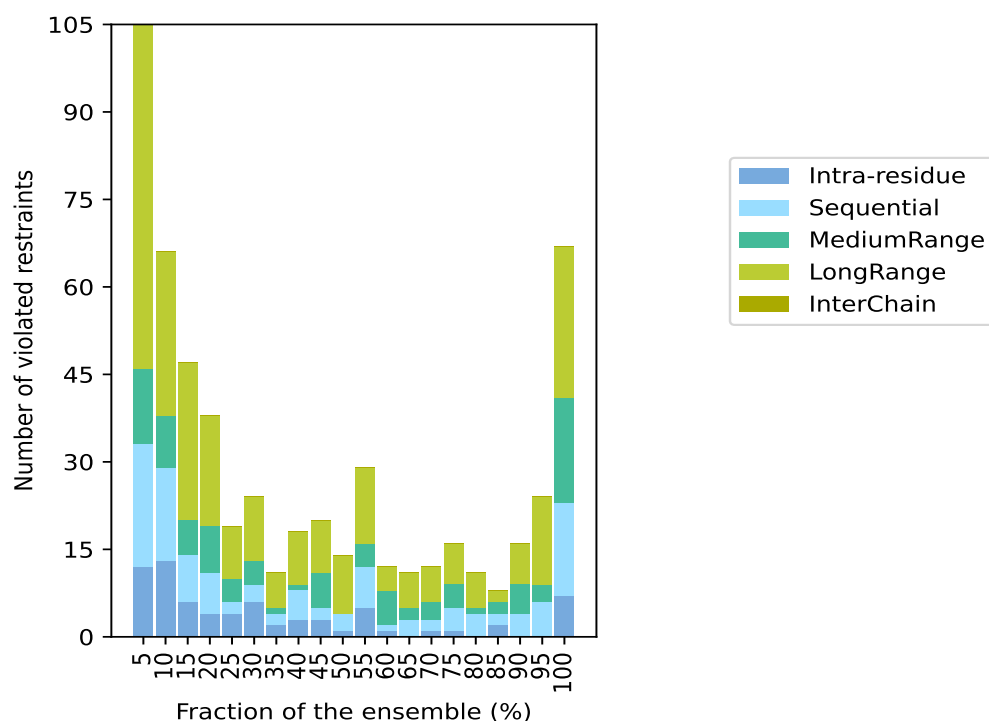
Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 1966(IR:463, SQ:550, MR:243, LR:710, IC:0) restraints are 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	%
12	21	13	59	0	105	1	5.0
13	16	9	28	0	66	2	10.0
6	8	6	27	0	47	3	15.0
4	7	8	19	0	38	4	20.0
4	2	4	9	0	19	5	25.0
6	3	4	11	0	24	6	30.0
2	2	1	6	0	11	7	35.0
3	5	1	9	0	18	8	40.0
3	2	6	9	0	20	9	45.0
1	3	0	10	0	14	10	50.0
5	7	4	13	0	29	11	55.0
1	1	6	4	0	12	12	60.0
0	3	2	6	0	11	13	65.0
1	2	3	6	0	12	14	70.0
1	4	4	7	0	16	15	75.0
0	4	1	6	0	11	16	80.0
2	2	2	2	0	8	17	85.0
0	4	5	7	0	16	18	90.0
0	6	3	15	0	24	19	95.0
7	16	18	26	0	67	20	100.0

¹Intra-residue restraints, ²Sequential restraints, ³Medium range restraints, ⁴Long range restraints,

⁵Inter-chain restraints, ⁶ Number of models with violations

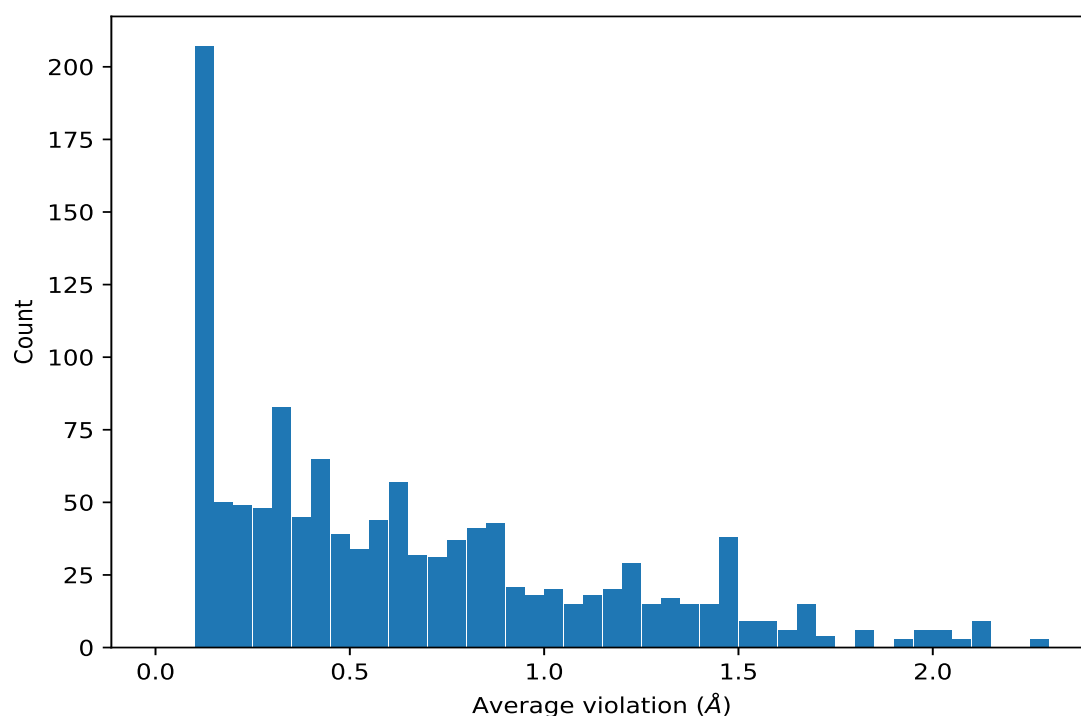
9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



9.4 Most violated distance restraints in the ensemble [i](#)

9.4.1 Histogram : Distribution of mean distance violations [i](#)

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 the violation for each restraint sorted by number of violated models and the mean value. The Key (restraint list ID, restraint ID) is the unique identifier for a given restraint. 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)
(1,765)	1:42:A:LEU:HD11	1:108:A:ARG:HA	20	2.25	0.2	2.29
(1,765)	1:42:A:LEU:HD12	1:108:A:ARG:HA	20	2.25	0.2	2.29
(1,765)	1:42:A:LEU:HD13	1:108:A:ARG:HA	20	2.25	0.2	2.29
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD21	20	2.13	0.78	2.08
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD22	20	2.13	0.78	2.08
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD23	20	2.13	0.78	2.08
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD21	20	2.13	0.78	2.08
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD22	20	2.13	0.78	2.08
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD23	20	2.13	0.78	2.08
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD21	20	2.13	0.78	2.08
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD22	20	2.13	0.78	2.08
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD23	20	2.13	0.78	2.08
(1,2402)	1:15:A:VAL:HG21	1:19:A:GLY:H	20	2.02	0.19	1.98
(1,2402)	1:15:A:VAL:HG22	1:19:A:GLY:H	20	2.02	0.19	1.98
(1,2402)	1:15:A:VAL:HG23	1:19:A:GLY:H	20	2.02	0.19	1.98
(1,135)	1:42:A:LEU:HD11	1:108:A:ARG:HD3	20	1.83	0.58	1.96

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,135)	1:42:A:LEU:HD12	1:108:A:ARG:HD3	20	1.83	0.58	1.96
(1,135)	1:42:A:LEU:HD13	1:108:A:ARG:HD3	20	1.83	0.58	1.96
(1,1589)	1:80:A:GLU:HA	1:83:A:GLY:HA3	20	1.71	0.05	1.7
(1,133)	1:42:A:LEU:HD11	1:108:A:ARG:HD2	20	1.61	0.62	1.77
(1,133)	1:42:A:LEU:HD12	1:108:A:ARG:HD2	20	1.61	0.62	1.77
(1,133)	1:42:A:LEU:HD13	1:108:A:ARG:HD2	20	1.61	0.62	1.77
(1,187)	1:42:A:LEU:HD21	1:60:A:ILE:HB	20	1.57	0.29	1.54
(1,187)	1:42:A:LEU:HD22	1:60:A:ILE:HB	20	1.57	0.29	1.54
(1,187)	1:42:A:LEU:HD23	1:60:A:ILE:HB	20	1.57	0.29	1.54
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG11	20	1.57	0.68	1.78
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG12	20	1.57	0.68	1.78
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG13	20	1.57	0.68	1.78
(1,602)	1:54:A:GLU:HA	1:55:A:GLN:HB3	20	1.55	0.1	1.59
(1,496)	1:40:A:CYS:HB3	1:98:A:PRO:HB3	20	1.45	0.3	1.56
(1,1024)	1:15:A:VAL:HG21	1:18:A:ARG:H	20	1.43	0.15	1.4
(1,1024)	1:15:A:VAL:HG22	1:18:A:ARG:H	20	1.43	0.15	1.4
(1,1024)	1:15:A:VAL:HG23	1:18:A:ARG:H	20	1.43	0.15	1.4
(1,494)	1:7:A:LEU:HD11	1:40:A:CYS:HB2	20	1.42	0.55	1.39
(1,494)	1:7:A:LEU:HD12	1:40:A:CYS:HB2	20	1.42	0.55	1.39
(1,494)	1:7:A:LEU:HD13	1:40:A:CYS:HB2	20	1.42	0.55	1.39
(1,64)	1:7:A:LEU:HB2	1:41:A:GLY:HA3	20	1.41	0.18	1.45
(1,1264)	1:49:A:VAL:HG21	1:50:A:LEU:HA	20	1.4	0.09	1.43
(1,1264)	1:49:A:VAL:HG22	1:50:A:LEU:HA	20	1.4	0.09	1.43
(1,1264)	1:49:A:VAL:HG23	1:50:A:LEU:HA	20	1.4	0.09	1.43
(1,733)	1:7:A:LEU:HD21	1:42:A:LEU:HB3	20	1.39	0.46	1.42
(1,733)	1:7:A:LEU:HD22	1:42:A:LEU:HB3	20	1.39	0.46	1.42
(1,733)	1:7:A:LEU:HD23	1:42:A:LEU:HB3	20	1.39	0.46	1.42
(1,992)	1:15:A:VAL:HG21	1:18:A:ARG:HA	20	1.39	0.27	1.4
(1,992)	1:15:A:VAL:HG22	1:18:A:ARG:HA	20	1.39	0.27	1.4
(1,992)	1:15:A:VAL:HG23	1:18:A:ARG:HA	20	1.39	0.27	1.4
(1,521)	1:59:A:PHE:HB2	1:92:A:THR:HB	20	1.31	0.14	1.31
(1,989)	1:15:A:VAL:HG21	1:17:A:VAL:H	20	1.3	0.2	1.3
(1,989)	1:15:A:VAL:HG22	1:17:A:VAL:H	20	1.3	0.2	1.3
(1,989)	1:15:A:VAL:HG23	1:17:A:VAL:H	20	1.3	0.2	1.3
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG11	20	1.27	0.1	1.32
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG12	20	1.27	0.1	1.32
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG13	20	1.27	0.1	1.32
(1,2188)	1:34:A:HIS:H	1:37:A:ASN:HB3	20	1.27	0.21	1.27
(1,913)	1:15:A:VAL:HG21	1:17:A:VAL:HA	20	1.23	0.09	1.25
(1,913)	1:15:A:VAL:HG22	1:17:A:VAL:HA	20	1.23	0.09	1.25
(1,913)	1:15:A:VAL:HG23	1:17:A:VAL:HA	20	1.23	0.09	1.25
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG11	20	1.22	0.07	1.21

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG12	20	1.22	0.07	1.21
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG13	20	1.22	0.07	1.21
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG11	20	1.2	0.23	1.23
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG12	20	1.2	0.23	1.23
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG13	20	1.2	0.23	1.23
(1,112)	1:15:A:VAL:HG21	1:18:A:ARG:HD2	20	1.2	0.4	1.31
(1,112)	1:15:A:VAL:HG22	1:18:A:ARG:HD2	20	1.2	0.4	1.31
(1,112)	1:15:A:VAL:HG23	1:18:A:ARG:HD2	20	1.2	0.4	1.31
(1,1647)	1:42:A:LEU:HD21	1:96:A:LEU:HA	20	1.18	0.22	1.14
(1,1647)	1:42:A:LEU:HD22	1:96:A:LEU:HA	20	1.18	0.22	1.14
(1,1647)	1:42:A:LEU:HD23	1:96:A:LEU:HA	20	1.18	0.22	1.14
(1,827)	1:42:A:LEU:HD21	1:95:A:VAL:H	20	1.17	0.2	1.17
(1,827)	1:42:A:LEU:HD22	1:95:A:VAL:H	20	1.17	0.2	1.17
(1,827)	1:42:A:LEU:HD23	1:95:A:VAL:H	20	1.17	0.2	1.17
(1,209)	1:42:A:LEU:HD11	1:44:A:GLU:HG3	20	1.17	0.37	1.28
(1,209)	1:42:A:LEU:HD12	1:44:A:GLU:HG3	20	1.17	0.37	1.28
(1,209)	1:42:A:LEU:HD13	1:44:A:GLU:HG3	20	1.17	0.37	1.28
(1,161)	1:11:A:GLN:HB3	1:14:A:ASP:HB3	20	1.15	0.29	1.18
(1,2414)	1:59:A:PHE:HB2	1:94:A:GLY:H	20	1.1	0.12	1.12
(1,1512)	1:56:A:PRO:HB2	1:81:A:MET:HA	20	1.1	0.18	1.08
(1,601)	1:55:A:GLN:HB2	1:57:A:TYR:H	20	1.06	0.12	1.06
(1,605)	1:39:A:THR:HB	1:99:A:HIS:HB2	20	1.03	0.27	0.96
(1,759)	1:60:A:ILE:HG12	1:76:A:GLU:H	20	1.02	0.05	1.02
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG11	20	1.0	0.1	1.03
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG12	20	1.0	0.1	1.03
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG13	20	1.0	0.1	1.03
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG11	20	0.96	0.29	1.02
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG12	20	0.96	0.29	1.02
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG13	20	0.96	0.29	1.02
(1,1728)	1:7:A:LEU:HD11	1:8:A:PRO:HD3	20	0.93	0.26	0.92
(1,1728)	1:7:A:LEU:HD12	1:8:A:PRO:HD3	20	0.93	0.26	0.92
(1,1728)	1:7:A:LEU:HD13	1:8:A:PRO:HD3	20	0.93	0.26	0.92
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD21	20	0.92	0.03	0.92
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD22	20	0.92	0.03	0.92
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD23	20	0.92	0.03	0.92
(1,1034)	1:8:A:PRO:HB3	1:104:A:PRO:HA	20	0.9	0.29	0.94
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD1	20	0.89	0.1	0.88
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD2	20	0.89	0.1	0.88
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG11	20	0.89	0.26	0.92
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG12	20	0.89	0.26	0.92
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG13	20	0.89	0.26	0.92
(1,835)	1:42:A:LEU:HD21	1:60:A:ILE:HG12	20	0.88	0.31	0.84

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,835)	1:42:A:LEU:HD22	1:60:A:ILE:HG12	20	0.88	0.31	0.84
(1,835)	1:42:A:LEU:HD23	1:60:A:ILE:HG12	20	0.88	0.31	0.84
(1,1008)	1:58:A:VAL:HA	1:59:A:PHE:HB3	20	0.85	0.06	0.85
(1,435)	1:42:A:LEU:HD11	1:108:A:ARG:HB2	20	0.81	0.27	0.8
(1,435)	1:42:A:LEU:HD12	1:108:A:ARG:HB2	20	0.81	0.27	0.8
(1,435)	1:42:A:LEU:HD13	1:108:A:ARG:HB2	20	0.81	0.27	0.8
(1,568)	1:10:A:LEU:HA	1:11:A:GLN:HB3	20	0.8	0.09	0.83
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG11	20	0.8	0.12	0.84
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG12	20	0.8	0.12	0.84
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG13	20	0.8	0.12	0.84
(1,142)	1:59:A:PHE:HB2	1:60:A:ILE:HG12	20	0.79	0.12	0.81
(1,2257)	1:20:A:PHE:HB3	1:28:A:LEU:H	20	0.78	0.24	0.82
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD11	20	0.74	0.03	0.73
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD12	20	0.74	0.03	0.73
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD13	20	0.74	0.03	0.73
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG11	20	0.68	0.04	0.68
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG12	20	0.68	0.04	0.68
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG13	20	0.68	0.04	0.68
(1,1642)	1:2:A:HIS:HB2	1:112:A:LEU:HA	20	0.67	0.25	0.7
(1,2524)	1:99:A:HIS:HD2	1:101:A:GLY:HA3	20	0.64	0.15	0.72
(1,2110)	1:36:A:LYS:H	1:37:A:ASN:HB3	20	0.64	0.1	0.64
(1,450)	1:8:A:PRO:HB3	1:41:A:GLY:HA3	20	0.64	0.18	0.62
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG11	20	0.62	0.08	0.64
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG12	20	0.62	0.08	0.64
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG13	20	0.62	0.08	0.64
(1,1163)	1:3:A:VAL:HA	1:4:A:GLN:HB3	20	0.55	0.14	0.55
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE1	20	0.5	0.01	0.5
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE2	20	0.5	0.01	0.5
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG21	20	0.48	0.16	0.48
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG22	20	0.48	0.16	0.48
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG23	20	0.48	0.16	0.48
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG11	20	0.48	0.21	0.46
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG12	20	0.48	0.21	0.46
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG13	20	0.48	0.21	0.46
(1,1733)	1:49:A:VAL:HG21	1:51:A:PRO:HD3	20	0.45	0.08	0.46
(1,1733)	1:49:A:VAL:HG22	1:51:A:PRO:HD3	20	0.45	0.08	0.46
(1,1733)	1:49:A:VAL:HG23	1:51:A:PRO:HD3	20	0.45	0.08	0.46
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD21	20	0.41	0.02	0.4
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD22	20	0.41	0.02	0.4
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD23	20	0.41	0.02	0.4
(1,1023)	1:15:A:VAL:HG21	1:16:A:LEU:H	20	0.4	0.07	0.4
(1,1023)	1:15:A:VAL:HG22	1:16:A:LEU:H	20	0.4	0.07	0.4

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1023)	1:15:A:VAL:HG23	1:16:A:LEU:H	20	0.4	0.07	0.4
(1,746)	1:60:A:ILE:HG12	1:61:A:LYS:H	20	0.35	0.08	0.34
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG11	20	0.33	0.11	0.35
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG12	20	0.33	0.11	0.35
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG13	20	0.33	0.11	0.35
(1,1961)	1:45:A:LEU:H	1:45:A:LEU:HB3	20	0.27	0.07	0.26
(1,2275)	1:37:A:ASN:H	1:37:A:ASN:HB3	20	0.24	0.03	0.24
(1,463)	1:51:A:PRO:HB3	1:52:A:GLN:H	20	0.21	0.05	0.2
(1,1744)	1:49:A:VAL:HB	1:51:A:PRO:HD3	20	0.18	0.01	0.18
(1,1077)	1:58:A:VAL:HG21	1:77:A:LEU:HA	19	1.95	0.14	1.94
(1,1077)	1:58:A:VAL:HG22	1:77:A:LEU:HA	19	1.95	0.14	1.94
(1,1077)	1:58:A:VAL:HG23	1:77:A:LEU:HA	19	1.95	0.14	1.94
(1,1100)	1:58:A:VAL:HG21	1:77:A:LEU:HB3	19	1.68	0.28	1.6
(1,1100)	1:58:A:VAL:HG22	1:77:A:LEU:HB3	19	1.68	0.28	1.6
(1,1100)	1:58:A:VAL:HG23	1:77:A:LEU:HB3	19	1.68	0.28	1.6
(1,707)	1:42:A:LEU:HD11	1:108:A:ARG:HG2	19	1.42	0.96	0.92
(1,707)	1:42:A:LEU:HD12	1:108:A:ARG:HG2	19	1.42	0.96	0.92
(1,707)	1:42:A:LEU:HD13	1:108:A:ARG:HG2	19	1.42	0.96	0.92
(1,205)	1:42:A:LEU:HD11	1:44:A:GLU:HG2	19	1.14	0.42	1.11
(1,205)	1:42:A:LEU:HD12	1:44:A:GLU:HG2	19	1.14	0.42	1.11
(1,205)	1:42:A:LEU:HD13	1:44:A:GLU:HG2	19	1.14	0.42	1.11
(1,1093)	1:58:A:VAL:HG21	1:78:A:VAL:H	19	1.08	0.16	1.13
(1,1093)	1:58:A:VAL:HG22	1:78:A:VAL:H	19	1.08	0.16	1.13
(1,1093)	1:58:A:VAL:HG23	1:78:A:VAL:H	19	1.08	0.16	1.13
(1,304)	1:56:A:PRO:HB3	1:79:A:ALA:HA	19	0.96	0.1	0.99
(1,464)	1:51:A:PRO:HB3	1:52:A:GLN:HG2	19	0.8	0.27	0.75
(1,437)	1:42:A:LEU:HD11	1:108:A:ARG:HB3	19	0.76	0.24	0.77
(1,437)	1:42:A:LEU:HD12	1:108:A:ARG:HB3	19	0.76	0.24	0.77
(1,437)	1:42:A:LEU:HD13	1:108:A:ARG:HB3	19	0.76	0.24	0.77
(1,847)	1:42:A:LEU:HD21	1:43:A:VAL:H	19	0.71	0.22	0.65
(1,847)	1:42:A:LEU:HD22	1:43:A:VAL:H	19	0.71	0.22	0.65
(1,847)	1:42:A:LEU:HD23	1:43:A:VAL:H	19	0.71	0.22	0.65
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD21	19	0.7	0.21	0.75
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD22	19	0.7	0.21	0.75
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD23	19	0.7	0.21	0.75
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG11	19	0.69	0.26	0.66
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG12	19	0.69	0.26	0.66
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG13	19	0.69	0.26	0.66
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG11	19	0.64	0.12	0.61
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG12	19	0.64	0.12	0.61
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG13	19	0.64	0.12	0.61
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG11	19	0.64	0.12	0.61

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG12	19	0.64	0.12	0.61
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG13	19	0.64	0.12	0.61
(1,1091)	1:58:A:VAL:HG21	1:59:A:PHE:H	19	0.64	0.06	0.64
(1,1091)	1:58:A:VAL:HG22	1:59:A:PHE:H	19	0.64	0.06	0.64
(1,1091)	1:58:A:VAL:HG23	1:59:A:PHE:H	19	0.64	0.06	0.64
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG11	19	0.59	0.12	0.6
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG12	19	0.59	0.12	0.6
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG13	19	0.59	0.12	0.6
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG11	19	0.59	0.12	0.6
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG12	19	0.59	0.12	0.6
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG13	19	0.59	0.12	0.6
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG11	19	0.59	0.12	0.6
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG12	19	0.59	0.12	0.6
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG13	19	0.59	0.12	0.6
(1,1233)	1:103:A:THR:HG21	1:104:A:PRO:HD3	19	0.58	0.14	0.64
(1,1233)	1:103:A:THR:HG22	1:104:A:PRO:HD3	19	0.58	0.14	0.64
(1,1233)	1:103:A:THR:HG23	1:104:A:PRO:HD3	19	0.58	0.14	0.64
(1,1151)	1:10:A:LEU:HD21	1:41:A:GLY:HA2	19	0.55	0.26	0.51
(1,1151)	1:10:A:LEU:HD22	1:41:A:GLY:HA2	19	0.55	0.26	0.51
(1,1151)	1:10:A:LEU:HD23	1:41:A:GLY:HA2	19	0.55	0.26	0.51
(1,52)	1:42:A:LEU:HD21	1:94:A:GLY:HA2	19	0.53	0.22	0.53
(1,52)	1:42:A:LEU:HD22	1:94:A:GLY:HA2	19	0.53	0.22	0.53
(1,52)	1:42:A:LEU:HD23	1:94:A:GLY:HA2	19	0.53	0.22	0.53
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD21	19	0.53	0.32	0.42
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD22	19	0.53	0.32	0.42
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD23	19	0.53	0.32	0.42
(1,1155)	1:9:A:VAL:HA	1:42:A:LEU:HB2	19	0.52	0.23	0.51
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD21	19	0.43	0.12	0.4
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD22	19	0.43	0.12	0.4
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD23	19	0.43	0.12	0.4
(1,65)	1:41:A:GLY:HA3	1:99:A:HIS:HB3	19	0.41	0.1	0.39
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG11	19	0.37	0.26	0.39
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG12	19	0.37	0.26	0.39
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG13	19	0.37	0.26	0.39
(1,1739)	1:50:A:LEU:HB3	1:51:A:PRO:HD2	19	0.33	0.13	0.3
(1,1537)	1:59:A:PHE:HA	1:60:A:ILE:HG13	19	0.32	0.09	0.31
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG11	18	1.51	0.49	1.52
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG12	18	1.51	0.49	1.52
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG13	18	1.51	0.49	1.52
(1,1027)	1:15:A:VAL:HG21	1:18:A:ARG:HG2	18	0.9	0.36	0.83
(1,1027)	1:15:A:VAL:HG22	1:18:A:ARG:HG2	18	0.9	0.36	0.83
(1,1027)	1:15:A:VAL:HG23	1:18:A:ARG:HG2	18	0.9	0.36	0.83

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,13)	1:35:A:LEU:HD11	1:38:A:GLY:HA2	18	0.89	0.47	0.92
(1,13)	1:35:A:LEU:HD11	1:38:A:GLY:HA3	18	0.89	0.47	0.92
(1,13)	1:35:A:LEU:HD12	1:38:A:GLY:HA2	18	0.89	0.47	0.92
(1,13)	1:35:A:LEU:HD12	1:38:A:GLY:HA3	18	0.89	0.47	0.92
(1,13)	1:35:A:LEU:HD13	1:38:A:GLY:HA2	18	0.89	0.47	0.92
(1,13)	1:35:A:LEU:HD13	1:38:A:GLY:HA3	18	0.89	0.47	0.92
(1,35)	1:21:A:GLY:HA2	1:26:A:GLU:HG3	18	0.87	0.38	0.86
(1,1942)	1:7:A:LEU:HD11	1:40:A:CYS:H	18	0.76	0.47	0.78
(1,1942)	1:7:A:LEU:HD12	1:40:A:CYS:H	18	0.76	0.47	0.78
(1,1942)	1:7:A:LEU:HD13	1:40:A:CYS:H	18	0.76	0.47	0.78
(1,888)	1:7:A:LEU:HD11	1:40:A:CYS:HA	18	0.63	0.38	0.6
(1,888)	1:7:A:LEU:HD12	1:40:A:CYS:HA	18	0.63	0.38	0.6
(1,888)	1:7:A:LEU:HD13	1:40:A:CYS:HA	18	0.63	0.38	0.6
(1,1710)	1:7:A:LEU:HA	1:41:A:GLY:HA3	18	0.6	0.22	0.55
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG11	18	0.57	0.25	0.6
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG12	18	0.57	0.25	0.6
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG13	18	0.57	0.25	0.6
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD11	18	0.55	0.3	0.5
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD12	18	0.55	0.3	0.5
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD13	18	0.55	0.3	0.5
(1,2235)	1:20:A:PHE:H	1:30:A:GLU:HB3	18	0.51	0.2	0.49
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG11	18	0.5	0.17	0.5
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG12	18	0.5	0.17	0.5
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG13	18	0.5	0.17	0.5
(1,2351)	1:4:A:GLN:HE22	1:5:A:LEU:H	18	0.46	0.19	0.48
(1,204)	1:43:A:VAL:HA	1:44:A:GLU:HG2	18	0.45	0.24	0.36
(1,332)	1:11:A:GLN:HG3	1:13:A:ARG:H	18	0.43	0.14	0.45
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB1	18	0.3	0.25	0.12
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB2	18	0.3	0.25	0.12
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB3	18	0.3	0.25	0.12
(1,513)	1:30:A:GLU:HB2	1:33:A:GLU:H	18	0.19	0.06	0.18
(1,1026)	1:15:A:VAL:HG21	1:18:A:ARG:HD3	17	1.33	0.36	1.36
(1,1026)	1:15:A:VAL:HG22	1:18:A:ARG:HD3	17	1.33	0.36	1.36
(1,1026)	1:15:A:VAL:HG23	1:18:A:ARG:HD3	17	1.33	0.36	1.36
(1,2196)	1:13:A:ARG:H	1:13:A:ARG:HB2	17	0.61	0.03	0.61
(1,2325)	1:48:A:GLY:HA2	1:52:A:GLN:HE22	17	0.49	0.2	0.47
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD11	17	0.48	0.76	0.13
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD12	17	0.48	0.76	0.13
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD13	17	0.48	0.76	0.13
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD11	17	0.48	0.76	0.13
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD12	17	0.48	0.76	0.13
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD13	17	0.48	0.76	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD11	17	0.48	0.76	0.13
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD12	17	0.48	0.76	0.13
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD13	17	0.48	0.76	0.13
(1,207)	1:44:A:GLU:HG3	1:45:A:LEU:H	17	0.43	0.11	0.44
(1,2125)	1:62:A:ARG:HB3	1:63:A:SER:H	17	0.31	0.06	0.33
(1,858)	1:40:A:CYS:HB3	1:98:A:PRO:HA	17	0.3	0.12	0.32
(1,565)	1:11:A:GLN:H	1:11:A:GLN:HB3	17	0.21	0.04	0.21
(1,2515)	1:99:A:HIS:HD2	1:102:A:GLU:HB3	16	1.4	0.41	1.44
(1,552)	1:17:A:VAL:HG11	1:18:A:ARG:HG2	16	0.91	0.33	0.88
(1,552)	1:17:A:VAL:HG12	1:18:A:ARG:HG2	16	0.91	0.33	0.88
(1,552)	1:17:A:VAL:HG13	1:18:A:ARG:HG2	16	0.91	0.33	0.88
(1,2426)	1:21:A:GLY:H	1:30:A:GLU:HB3	16	0.59	0.22	0.58
(1,2184)	1:34:A:HIS:H	1:40:A:CYS:HB3	16	0.54	0.24	0.5
(1,742)	1:42:A:LEU:HD21	1:60:A:ILE:HG13	16	0.49	0.22	0.5
(1,742)	1:42:A:LEU:HD22	1:60:A:ILE:HG13	16	0.49	0.22	0.5
(1,742)	1:42:A:LEU:HD23	1:60:A:ILE:HG13	16	0.49	0.22	0.5
(1,2416)	1:93:A:LEU:HB3	1:94:A:GLY:H	16	0.35	0.12	0.36
(1,2282)	1:8:A:PRO:HG3	1:41:A:GLY:H	16	0.31	0.32	0.22
(1,1995)	1:10:A:LEU:HB2	1:11:A:GLN:H	16	0.29	0.15	0.28
(1,211)	1:43:A:VAL:HG11	1:44:A:GLU:HG2	16	0.24	0.13	0.22
(1,211)	1:43:A:VAL:HG12	1:44:A:GLU:HG2	16	0.24	0.13	0.22
(1,211)	1:43:A:VAL:HG13	1:44:A:GLU:HG2	16	0.24	0.13	0.22
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG11	16	0.19	0.19	0.14
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG12	16	0.19	0.19	0.14
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG13	16	0.19	0.19	0.14
(1,2417)	1:60:A:ILE:HG21	1:94:A:GLY:H	16	0.11	0.01	0.1
(1,2417)	1:60:A:ILE:HG22	1:94:A:GLY:H	16	0.11	0.01	0.1
(1,2417)	1:60:A:ILE:HG23	1:94:A:GLY:H	16	0.11	0.01	0.1
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD21	15	1.69	1.12	2.26
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD22	15	1.69	1.12	2.26
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD23	15	1.69	1.12	2.26
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD21	15	1.31	0.33	1.45
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD22	15	1.31	0.33	1.45
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD23	15	1.31	0.33	1.45
(1,1345)	1:100:A:VAL:HG11	1:102:A:GLU:HA	15	1.29	0.48	1.41
(1,1345)	1:100:A:VAL:HG12	1:102:A:GLU:HA	15	1.29	0.48	1.41
(1,1345)	1:100:A:VAL:HG13	1:102:A:GLU:HA	15	1.29	0.48	1.41
(1,816)	1:63:A:SER:HB3	1:75:A:VAL:H	15	1.28	0.32	1.37
(1,2243)	1:63:A:SER:HB3	1:76:A:GLU:H	15	1.12	0.24	1.12
(1,126)	1:25:A:GLU:HG3	1:28:A:LEU:HB2	15	0.87	0.4	0.8
(1,126)	1:25:A:GLU:HG3	1:28:A:LEU:HB3	15	0.87	0.4	0.8
(1,1621)	1:63:A:SER:HB2	1:64:A:ASP:HA	15	0.78	0.25	0.81

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1782)	1:5:A:LEU:H	1:112:A:LEU:HB3	15	0.77	0.4	0.94
(1,56)	1:100:A:VAL:HG11	1:101:A:GLY:HA2	15	0.58	0.1	0.62
(1,56)	1:100:A:VAL:HG12	1:101:A:GLY:HA2	15	0.58	0.1	0.62
(1,56)	1:100:A:VAL:HG13	1:101:A:GLY:HA2	15	0.58	0.1	0.62
(1,44)	1:48:A:GLY:HA3	1:51:A:PRO:HD3	15	0.53	0.24	0.49
(1,466)	1:72:A:HIS:HB2	1:73:A:LYS:HG2	15	0.39	0.26	0.33
(1,466)	1:72:A:HIS:HB3	1:73:A:LYS:HG2	15	0.39	0.26	0.33
(1,1387)	1:15:A:VAL:HG21	1:97:A:VAL:HA	15	0.36	0.13	0.33
(1,1387)	1:15:A:VAL:HG22	1:97:A:VAL:HA	15	0.36	0.13	0.33
(1,1387)	1:15:A:VAL:HG23	1:97:A:VAL:HA	15	0.36	0.13	0.33
(1,1729)	1:50:A:LEU:HD11	1:51:A:PRO:HD2	15	0.28	0.1	0.3
(1,1729)	1:50:A:LEU:HD12	1:51:A:PRO:HD2	15	0.28	0.1	0.3
(1,1729)	1:50:A:LEU:HD13	1:51:A:PRO:HD2	15	0.28	0.1	0.3
(1,298)	1:26:A:GLU:HB2	1:56:A:PRO:HB3	15	0.28	0.16	0.24
(1,2081)	1:55:A:GLN:H	1:55:A:GLN:HB3	15	0.26	0.07	0.26
(1,682)	1:8:A:PRO:HG3	1:104:A:PRO:HB3	15	0.23	0.1	0.2
(1,1941)	1:35:A:LEU:HD11	1:40:A:CYS:H	14	1.68	0.25	1.68
(1,1941)	1:35:A:LEU:HD12	1:40:A:CYS:H	14	1.68	0.25	1.68
(1,1941)	1:35:A:LEU:HD13	1:40:A:CYS:H	14	1.68	0.25	1.68
(1,844)	1:35:A:LEU:HD11	1:40:A:CYS:HB2	14	1.32	0.31	1.35
(1,844)	1:35:A:LEU:HD12	1:40:A:CYS:HB2	14	1.32	0.31	1.35
(1,844)	1:35:A:LEU:HD13	1:40:A:CYS:HB2	14	1.32	0.31	1.35
(1,2383)	1:35:A:LEU:HD11	1:38:A:GLY:H	14	1.04	0.1	1.06
(1,2383)	1:35:A:LEU:HD12	1:38:A:GLY:H	14	1.04	0.1	1.06
(1,2383)	1:35:A:LEU:HD13	1:38:A:GLY:H	14	1.04	0.1	1.06
(1,995)	1:15:A:VAL:HG21	1:18:A:ARG:HG3	14	1.0	0.87	0.67
(1,995)	1:15:A:VAL:HG22	1:18:A:ARG:HG3	14	1.0	0.87	0.67
(1,995)	1:15:A:VAL:HG23	1:18:A:ARG:HG3	14	1.0	0.87	0.67
(1,139)	1:63:A:SER:HB2	1:66:A:LEU:HB2	14	0.98	0.51	0.99
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD11	14	0.71	0.03	0.71
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD12	14	0.71	0.03	0.71
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD13	14	0.71	0.03	0.71
(1,43)	1:47:A:LYS:HG3	1:48:A:GLY:HA3	14	0.67	0.29	0.74
(1,1166)	1:100:A:VAL:HG11	1:101:A:GLY:HA3	14	0.54	0.08	0.54
(1,1166)	1:100:A:VAL:HG12	1:101:A:GLY:HA3	14	0.54	0.08	0.54
(1,1166)	1:100:A:VAL:HG13	1:101:A:GLY:HA3	14	0.54	0.08	0.54
(1,2281)	1:41:A:GLY:H	1:99:A:HIS:HB3	14	0.31	0.11	0.3
(1,2000)	1:20:A:PHE:HB2	1:30:A:GLU:H	14	0.3	0.13	0.3
(1,2419)	1:42:A:LEU:HD21	1:94:A:GLY:H	14	0.28	0.12	0.32
(1,2419)	1:42:A:LEU:HD22	1:94:A:GLY:H	14	0.28	0.12	0.32
(1,2419)	1:42:A:LEU:HD23	1:94:A:GLY:H	14	0.28	0.12	0.32
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG21	14	0.12	0.01	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG22	14	0.12	0.01	0.12
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG23	14	0.12	0.01	0.12
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG21	14	0.12	0.01	0.12
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG22	14	0.12	0.01	0.12
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG23	14	0.12	0.01	0.12
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG21	14	0.12	0.01	0.12
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG22	14	0.12	0.01	0.12
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG23	14	0.12	0.01	0.12
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD21	13	1.9	0.91	2.3
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD22	13	1.9	0.91	2.3
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD23	13	1.9	0.91	2.3
(1,2124)	1:63:A:SER:H	1:76:A:GLU:HB2	13	1.41	0.19	1.43
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB1	13	0.82	0.41	0.67
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB2	13	0.82	0.41	0.67
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB3	13	0.82	0.41	0.67
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG11	13	0.8	0.24	0.9
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG12	13	0.8	0.24	0.9
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG13	13	0.8	0.24	0.9
(1,82)	1:7:A:LEU:HD11	1:41:A:GLY:HA3	13	0.49	0.3	0.4
(1,82)	1:7:A:LEU:HD12	1:41:A:GLY:HA3	13	0.49	0.3	0.4
(1,82)	1:7:A:LEU:HD13	1:41:A:GLY:HA3	13	0.49	0.3	0.4
(1,576)	1:11:A:GLN:HB3	1:14:A:ASP:HA	13	0.38	0.15	0.36
(1,815)	1:63:A:SER:HB3	1:75:A:VAL:HA	13	0.38	0.19	0.32
(1,255)	1:20:A:PHE:HB2	1:30:A:GLU:HG2	13	0.37	0.16	0.37
(1,1370)	1:12:A:VAL:HG11	1:13:A:ARG:HB2	13	0.27	0.13	0.23
(1,1370)	1:12:A:VAL:HG12	1:13:A:ARG:HB2	13	0.27	0.13	0.23
(1,1370)	1:12:A:VAL:HG13	1:13:A:ARG:HB2	13	0.27	0.13	0.23
(1,743)	1:50:A:LEU:HG	1:51:A:PRO:HD2	13	0.22	0.04	0.23
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB1	13	0.15	0.09	0.11
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB2	13	0.15	0.09	0.11
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB3	13	0.15	0.09	0.11
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB1	13	0.15	0.09	0.11
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB2	13	0.15	0.09	0.11
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB3	13	0.15	0.09	0.11
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB1	13	0.15	0.09	0.11
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB2	13	0.15	0.09	0.11
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB3	13	0.15	0.09	0.11
(1,1581)	1:24:A:VAL:HG11	1:81:A:MET:HE1	12	1.47	0.58	1.58
(1,1581)	1:24:A:VAL:HG11	1:81:A:MET:HE2	12	1.47	0.58	1.58
(1,1581)	1:24:A:VAL:HG11	1:81:A:MET:HE3	12	1.47	0.58	1.58
(1,1581)	1:24:A:VAL:HG12	1:81:A:MET:HE1	12	1.47	0.58	1.58
(1,1581)	1:24:A:VAL:HG12	1:81:A:MET:HE2	12	1.47	0.58	1.58

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1581)	1:24:A:VAL:HG12	1:81:A:MET:HE3	12	1.47	0.58	1.58
(1,1581)	1:24:A:VAL:HG13	1:81:A:MET:HE1	12	1.47	0.58	1.58
(1,1581)	1:24:A:VAL:HG13	1:81:A:MET:HE2	12	1.47	0.58	1.58
(1,1581)	1:24:A:VAL:HG13	1:81:A:MET:HE3	12	1.47	0.58	1.58
(1,638)	1:89:A:SER:HB2	1:91:A:ILE:HG12	12	1.32	0.55	1.62
(1,225)	1:100:A:VAL:HG11	1:102:A:GLU:HG3	12	1.11	0.76	0.88
(1,225)	1:100:A:VAL:HG12	1:102:A:GLU:HG3	12	1.11	0.76	0.88
(1,225)	1:100:A:VAL:HG13	1:102:A:GLU:HG3	12	1.11	0.76	0.88
(1,1260)	1:24:A:VAL:HG21	1:28:A:LEU:H	12	0.62	0.03	0.64
(1,1260)	1:24:A:VAL:HG22	1:28:A:LEU:H	12	0.62	0.03	0.64
(1,1260)	1:24:A:VAL:HG23	1:28:A:LEU:H	12	0.62	0.03	0.64
(1,366)	1:55:A:GLN:HG3	1:57:A:TYR:HE1	12	0.41	0.09	0.44
(1,366)	1:55:A:GLN:HG3	1:57:A:TYR:HE2	12	0.41	0.09	0.44
(1,2397)	1:19:A:GLY:H	1:98:A:PRO:HD3	12	0.37	0.06	0.38
(1,2352)	1:4:A:GLN:HE22	1:111:A:LEU:HD11	12	0.36	0.24	0.32
(1,2352)	1:4:A:GLN:HE22	1:111:A:LEU:HD12	12	0.36	0.24	0.32
(1,2352)	1:4:A:GLN:HE22	1:111:A:LEU:HD13	12	0.36	0.24	0.32
(1,1287)	1:34:A:HIS:HA	1:37:A:ASN:HB3	12	0.34	0.15	0.34
(1,2327)	1:49:A:VAL:HG11	1:52:A:GLN:HE22	12	0.34	0.19	0.34
(1,2327)	1:49:A:VAL:HG12	1:52:A:GLN:HE22	12	0.34	0.19	0.34
(1,2327)	1:49:A:VAL:HG13	1:52:A:GLN:HE22	12	0.34	0.19	0.34
(1,546)	1:4:A:GLN:HB2	1:5:A:LEU:H	12	0.2	0.04	0.2
(1,2347)	1:23:A:SER:H	1:23:A:SER:HB3	12	0.19	0.06	0.16
(1,609)	1:8:A:PRO:HB2	1:104:A:PRO:HG2	12	0.18	0.03	0.18
(1,1360)	1:63:A:SER:HA	1:74:A:VAL:HG21	11	2.09	0.24	2.13
(1,1360)	1:63:A:SER:HA	1:74:A:VAL:HG22	11	2.09	0.24	2.13
(1,1360)	1:63:A:SER:HA	1:74:A:VAL:HG23	11	2.09	0.24	2.13
(1,1169)	1:74:A:VAL:HG21	1:113:A:ARG:HD2	11	1.51	0.68	1.72
(1,1169)	1:74:A:VAL:HG21	1:113:A:ARG:HD3	11	1.51	0.68	1.72
(1,1169)	1:74:A:VAL:HG22	1:113:A:ARG:HD2	11	1.51	0.68	1.72
(1,1169)	1:74:A:VAL:HG22	1:113:A:ARG:HD3	11	1.51	0.68	1.72
(1,1169)	1:74:A:VAL:HG23	1:113:A:ARG:HD2	11	1.51	0.68	1.72
(1,1169)	1:74:A:VAL:HG23	1:113:A:ARG:HD3	11	1.51	0.68	1.72
(1,1184)	1:63:A:SER:HB3	1:74:A:VAL:HG21	11	1.47	0.32	1.46
(1,1184)	1:63:A:SER:HB3	1:74:A:VAL:HG22	11	1.47	0.32	1.46
(1,1184)	1:63:A:SER:HB3	1:74:A:VAL:HG23	11	1.47	0.32	1.46
(1,1186)	1:72:A:HIS:H	1:74:A:VAL:HG11	11	1.46	0.45	1.55
(1,1186)	1:72:A:HIS:H	1:74:A:VAL:HG12	11	1.46	0.45	1.55
(1,1186)	1:72:A:HIS:H	1:74:A:VAL:HG13	11	1.46	0.45	1.55
(1,1315)	1:16:A:LEU:HB2	1:17:A:VAL:HG21	11	1.45	0.59	1.51
(1,1315)	1:16:A:LEU:HB2	1:17:A:VAL:HG22	11	1.45	0.59	1.51
(1,1315)	1:16:A:LEU:HB2	1:17:A:VAL:HG23	11	1.45	0.59	1.51

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1315)	1:16:A:LEU:HB3	1:17:A:VAL:HG21	11	1.45	0.59	1.51
(1,1315)	1:16:A:LEU:HB3	1:17:A:VAL:HG22	11	1.45	0.59	1.51
(1,1315)	1:16:A:LEU:HB3	1:17:A:VAL:HG23	11	1.45	0.59	1.51
(1,1241)	1:72:A:HIS:HB2	1:74:A:VAL:HG11	11	1.37	0.44	1.15
(1,1241)	1:72:A:HIS:HB2	1:74:A:VAL:HG12	11	1.37	0.44	1.15
(1,1241)	1:72:A:HIS:HB2	1:74:A:VAL:HG13	11	1.37	0.44	1.15
(1,1241)	1:72:A:HIS:HB3	1:74:A:VAL:HG11	11	1.37	0.44	1.15
(1,1241)	1:72:A:HIS:HB3	1:74:A:VAL:HG12	11	1.37	0.44	1.15
(1,1241)	1:72:A:HIS:HB3	1:74:A:VAL:HG13	11	1.37	0.44	1.15
(1,2100)	1:63:A:SER:HB2	1:66:A:LEU:H	11	1.17	0.5	1.31
(1,1167)	1:74:A:VAL:HG21	1:75:A:VAL:HA	11	1.15	0.07	1.16
(1,1167)	1:74:A:VAL:HG22	1:75:A:VAL:HA	11	1.15	0.07	1.16
(1,1167)	1:74:A:VAL:HG23	1:75:A:VAL:HA	11	1.15	0.07	1.16
(1,1757)	1:24:A:VAL:HG11	1:56:A:PRO:HD3	11	1.04	0.36	1.13
(1,1757)	1:24:A:VAL:HG12	1:56:A:PRO:HD3	11	1.04	0.36	1.13
(1,1757)	1:24:A:VAL:HG13	1:56:A:PRO:HD3	11	1.04	0.36	1.13
(1,803)	1:63:A:SER:HB2	1:74:A:VAL:HG21	11	1.01	0.68	0.84
(1,803)	1:63:A:SER:HB2	1:74:A:VAL:HG22	11	1.01	0.68	0.84
(1,803)	1:63:A:SER:HB2	1:74:A:VAL:HG23	11	1.01	0.68	0.84
(1,1557)	1:73:A:LYS:HA	1:74:A:VAL:HG11	11	0.98	0.1	0.99
(1,1557)	1:73:A:LYS:HA	1:74:A:VAL:HG12	11	0.98	0.1	0.99
(1,1557)	1:73:A:LYS:HA	1:74:A:VAL:HG13	11	0.98	0.1	0.99
(1,200)	1:62:A:ARG:HG2	1:91:A:ILE:HB	11	0.89	0.49	0.84
(1,558)	1:36:A:LYS:H	1:36:A:LYS:HD3	11	0.86	0.09	0.88
(1,103)	1:18:A:ARG:HD2	1:53:A:LEU:HD11	11	0.86	0.91	0.25
(1,103)	1:18:A:ARG:HD2	1:53:A:LEU:HD12	11	0.86	0.91	0.25
(1,103)	1:18:A:ARG:HD2	1:53:A:LEU:HD13	11	0.86	0.91	0.25
(1,421)	1:73:A:LYS:HB2	1:74:A:VAL:HG11	11	0.84	0.2	0.74
(1,421)	1:73:A:LYS:HB2	1:74:A:VAL:HG12	11	0.84	0.2	0.74
(1,421)	1:73:A:LYS:HB2	1:74:A:VAL:HG13	11	0.84	0.2	0.74
(1,421)	1:73:A:LYS:HB3	1:74:A:VAL:HG11	11	0.84	0.2	0.74
(1,421)	1:73:A:LYS:HB3	1:74:A:VAL:HG12	11	0.84	0.2	0.74
(1,421)	1:73:A:LYS:HB3	1:74:A:VAL:HG13	11	0.84	0.2	0.74
(1,1088)	1:17:A:VAL:HG11	1:18:A:ARG:H	11	0.77	0.1	0.78
(1,1088)	1:17:A:VAL:HG12	1:18:A:ARG:H	11	0.77	0.1	0.78
(1,1088)	1:17:A:VAL:HG13	1:18:A:ARG:H	11	0.77	0.1	0.78
(1,296)	1:63:A:SER:HB3	1:76:A:GLU:HG2	11	0.72	0.34	0.74
(1,296)	1:63:A:SER:HB3	1:76:A:GLU:HG3	11	0.72	0.34	0.74
(1,903)	1:74:A:VAL:HG11	1:111:A:LEU:HD11	11	0.62	0.25	0.63
(1,903)	1:74:A:VAL:HG11	1:111:A:LEU:HD12	11	0.62	0.25	0.63
(1,903)	1:74:A:VAL:HG11	1:111:A:LEU:HD13	11	0.62	0.25	0.63
(1,903)	1:74:A:VAL:HG12	1:111:A:LEU:HD11	11	0.62	0.25	0.63

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,903)	1:74:A:VAL:HG12	1:111:A:LEU:HD12	11	0.62	0.25	0.63
(1,903)	1:74:A:VAL:HG12	1:111:A:LEU:HD13	11	0.62	0.25	0.63
(1,903)	1:74:A:VAL:HG13	1:111:A:LEU:HD11	11	0.62	0.25	0.63
(1,903)	1:74:A:VAL:HG13	1:111:A:LEU:HD12	11	0.62	0.25	0.63
(1,903)	1:74:A:VAL:HG13	1:111:A:LEU:HD13	11	0.62	0.25	0.63
(1,1181)	1:74:A:VAL:HG21	1:75:A:VAL:H	11	0.55	0.1	0.55
(1,1181)	1:74:A:VAL:HG22	1:75:A:VAL:H	11	0.55	0.1	0.55
(1,1181)	1:74:A:VAL:HG23	1:75:A:VAL:H	11	0.55	0.1	0.55
(1,1073)	1:12:A:VAL:HA	1:53:A:LEU:HD11	11	0.44	0.49	0.11
(1,1073)	1:12:A:VAL:HA	1:53:A:LEU:HD12	11	0.44	0.49	0.11
(1,1073)	1:12:A:VAL:HA	1:53:A:LEU:HD13	11	0.44	0.49	0.11
(1,1242)	1:74:A:VAL:H	1:74:A:VAL:HG11	11	0.37	0.05	0.36
(1,1242)	1:74:A:VAL:H	1:74:A:VAL:HG12	11	0.37	0.05	0.36
(1,1242)	1:74:A:VAL:H	1:74:A:VAL:HG13	11	0.37	0.05	0.36
(1,990)	1:15:A:VAL:HG21	1:97:A:VAL:H	11	0.34	0.07	0.34
(1,990)	1:15:A:VAL:HG22	1:97:A:VAL:H	11	0.34	0.07	0.34
(1,990)	1:15:A:VAL:HG23	1:97:A:VAL:H	11	0.34	0.07	0.34
(1,1121)	1:24:A:VAL:H	1:24:A:VAL:HG11	11	0.32	0.03	0.31
(1,1121)	1:24:A:VAL:H	1:24:A:VAL:HG12	11	0.32	0.03	0.31
(1,1121)	1:24:A:VAL:H	1:24:A:VAL:HG13	11	0.32	0.03	0.31
(1,408)	1:8:A:PRO:HB3	1:104:A:PRO:HB2	11	0.29	0.12	0.3
(1,2212)	1:11:A:GLN:HG2	1:14:A:ASP:H	11	0.25	0.09	0.24
(1,557)	1:36:A:LYS:HB3	1:36:A:LYS:HD3	11	0.2	0.03	0.2
(1,874)	1:36:A:LYS:HG3	1:36:A:LYS:HD2	11	0.19	0.01	0.19
(1,1259)	1:49:A:VAL:HG21	1:50:A:LEU:H	11	0.17	0.06	0.13
(1,1259)	1:49:A:VAL:HG22	1:50:A:LEU:H	11	0.17	0.06	0.13
(1,1259)	1:49:A:VAL:HG23	1:50:A:LEU:H	11	0.17	0.06	0.13
(1,1327)	1:59:A:PHE:HD1	1:78:A:VAL:HG21	11	0.11	0.01	0.11
(1,1327)	1:59:A:PHE:HD1	1:78:A:VAL:HG22	11	0.11	0.01	0.11
(1,1327)	1:59:A:PHE:HD1	1:78:A:VAL:HG23	11	0.11	0.01	0.11
(1,1327)	1:59:A:PHE:HD2	1:78:A:VAL:HG21	11	0.11	0.01	0.11
(1,1327)	1:59:A:PHE:HD2	1:78:A:VAL:HG22	11	0.11	0.01	0.11
(1,1327)	1:59:A:PHE:HD2	1:78:A:VAL:HG23	11	0.11	0.01	0.11
(1,2075)	1:42:A:LEU:H	1:96:A:LEU:HD21	10	2.04	0.25	2.08
(1,2075)	1:42:A:LEU:H	1:96:A:LEU:HD22	10	2.04	0.25	2.08
(1,2075)	1:42:A:LEU:H	1:96:A:LEU:HD23	10	2.04	0.25	2.08
(1,654)	1:42:A:LEU:HG	1:96:A:LEU:HD21	10	1.61	0.44	1.68
(1,654)	1:42:A:LEU:HG	1:96:A:LEU:HD22	10	1.61	0.44	1.68
(1,654)	1:42:A:LEU:HG	1:96:A:LEU:HD23	10	1.61	0.44	1.68
(1,734)	1:77:A:LEU:HA	1:96:A:LEU:HD11	10	1.47	0.26	1.42
(1,734)	1:77:A:LEU:HA	1:96:A:LEU:HD12	10	1.47	0.26	1.42
(1,734)	1:77:A:LEU:HA	1:96:A:LEU:HD13	10	1.47	0.26	1.42

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,986)	1:42:A:LEU:HA	1:96:A:LEU:HD21	10	1.22	0.28	1.28
(1,986)	1:42:A:LEU:HA	1:96:A:LEU:HD22	10	1.22	0.28	1.28
(1,986)	1:42:A:LEU:HA	1:96:A:LEU:HD23	10	1.22	0.28	1.28
(1,1313)	1:16:A:LEU:H	1:17:A:VAL:HG21	10	1.07	0.35	1.17
(1,1313)	1:16:A:LEU:H	1:17:A:VAL:HG22	10	1.07	0.35	1.17
(1,1313)	1:16:A:LEU:H	1:17:A:VAL:HG23	10	1.07	0.35	1.17
(1,428)	1:63:A:SER:HB3	1:74:A:VAL:HB	10	0.98	0.37	1.02
(1,983)	1:96:A:LEU:HD21	1:97:A:VAL:H	10	0.76	0.09	0.78
(1,983)	1:96:A:LEU:HD22	1:97:A:VAL:H	10	0.76	0.09	0.78
(1,983)	1:96:A:LEU:HD23	1:97:A:VAL:H	10	0.76	0.09	0.78
(1,1358)	1:63:A:SER:HA	1:76:A:GLU:HB2	10	0.75	0.52	0.55
(1,916)	1:24:A:VAL:HG11	1:56:A:PRO:HG3	10	0.66	0.28	0.64
(1,916)	1:24:A:VAL:HG12	1:56:A:PRO:HG3	10	0.66	0.28	0.64
(1,916)	1:24:A:VAL:HG13	1:56:A:PRO:HG3	10	0.66	0.28	0.64
(1,311)	1:33:A:GLU:H	1:33:A:GLU:HG2	10	0.64	0.19	0.68
(1,497)	1:7:A:LEU:HD11	1:40:A:CYS:HB3	10	0.61	0.35	0.64
(1,497)	1:7:A:LEU:HD12	1:40:A:CYS:HB3	10	0.61	0.35	0.64
(1,497)	1:7:A:LEU:HD13	1:40:A:CYS:HB3	10	0.61	0.35	0.64
(1,477)	1:62:A:ARG:HB2	1:91:A:ILE:HA	10	0.44	0.31	0.34
(1,890)	1:7:A:LEU:HD11	1:8:A:PRO:HD2	10	0.4	0.29	0.22
(1,890)	1:7:A:LEU:HD12	1:8:A:PRO:HD2	10	0.4	0.29	0.22
(1,890)	1:7:A:LEU:HD13	1:8:A:PRO:HD2	10	0.4	0.29	0.22
(1,59)	1:3:A:VAL:HB	1:112:A:LEU:HB2	10	0.26	0.05	0.28
(1,223)	1:100:A:VAL:HG11	1:102:A:GLU:HG2	9	0.84	0.58	0.84
(1,223)	1:100:A:VAL:HG12	1:102:A:GLU:HG2	9	0.84	0.58	0.84
(1,223)	1:100:A:VAL:HG13	1:102:A:GLU:HG2	9	0.84	0.58	0.84
(1,2278)	1:41:A:GLY:H	1:96:A:LEU:HD21	9	0.83	0.28	0.91
(1,2278)	1:41:A:GLY:H	1:96:A:LEU:HD22	9	0.83	0.28	0.91
(1,2278)	1:41:A:GLY:H	1:96:A:LEU:HD23	9	0.83	0.28	0.91
(1,1824)	1:10:A:LEU:H	1:42:A:LEU:HB2	9	0.4	0.18	0.46
(1,441)	1:107:A:TYR:HA	1:108:A:ARG:HB3	9	0.35	0.04	0.35
(1,71)	1:8:A:PRO:HG3	1:41:A:GLY:HA3	9	0.34	0.51	0.16
(1,1898)	1:102:A:GLU:HB3	1:103:A:THR:H	9	0.33	0.07	0.32
(1,868)	1:36:A:LYS:H	1:36:A:LYS:HG2	9	0.33	0.08	0.36
(1,20)	1:80:A:GLU:HB2	1:83:A:GLY:HA3	9	0.32	0.08	0.34
(1,2463)	1:20:A:PHE:HD1	1:58:A:VAL:HG11	9	0.3	0.23	0.2
(1,2463)	1:20:A:PHE:HD1	1:58:A:VAL:HG12	9	0.3	0.23	0.2
(1,2463)	1:20:A:PHE:HD1	1:58:A:VAL:HG13	9	0.3	0.23	0.2
(1,2463)	1:20:A:PHE:HD2	1:58:A:VAL:HG11	9	0.3	0.23	0.2
(1,2463)	1:20:A:PHE:HD2	1:58:A:VAL:HG12	9	0.3	0.23	0.2
(1,2463)	1:20:A:PHE:HD2	1:58:A:VAL:HG13	9	0.3	0.23	0.2
(1,661)	1:23:A:SER:HB2	1:25:A:GLU:HB2	9	0.28	0.04	0.29

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2122)	1:63:A:SER:H	1:63:A:SER:HB3	9	0.28	0.12	0.31
(1,312)	1:30:A:GLU:HA	1:33:A:GLU:HG2	9	0.25	0.01	0.26
(1,1349)	1:62:A:ARG:HG3	1:75:A:VAL:HA	9	0.24	0.11	0.2
(1,1790)	1:12:A:VAL:H	1:49:A:VAL:HG11	9	0.22	0.06	0.21
(1,1790)	1:12:A:VAL:H	1:49:A:VAL:HG12	9	0.22	0.06	0.21
(1,1790)	1:12:A:VAL:H	1:49:A:VAL:HG13	9	0.22	0.06	0.21
(1,1693)	1:103:A:THR:HG21	1:105:A:ILE:HD11	9	0.12	0.0	0.12
(1,1693)	1:103:A:THR:HG21	1:105:A:ILE:HD12	9	0.12	0.0	0.12
(1,1693)	1:103:A:THR:HG21	1:105:A:ILE:HD13	9	0.12	0.0	0.12
(1,1693)	1:103:A:THR:HG22	1:105:A:ILE:HD11	9	0.12	0.0	0.12
(1,1693)	1:103:A:THR:HG22	1:105:A:ILE:HD12	9	0.12	0.0	0.12
(1,1693)	1:103:A:THR:HG22	1:105:A:ILE:HD13	9	0.12	0.0	0.12
(1,1693)	1:103:A:THR:HG23	1:105:A:ILE:HD11	9	0.12	0.0	0.12
(1,1693)	1:103:A:THR:HG23	1:105:A:ILE:HD12	9	0.12	0.0	0.12
(1,1693)	1:103:A:THR:HG23	1:105:A:ILE:HD13	9	0.12	0.0	0.12
(1,1067)	1:12:A:VAL:HG21	1:53:A:LEU:HD11	9	0.12	0.01	0.12
(1,1067)	1:12:A:VAL:HG21	1:53:A:LEU:HD12	9	0.12	0.01	0.12
(1,1067)	1:12:A:VAL:HG21	1:53:A:LEU:HD13	9	0.12	0.01	0.12
(1,1067)	1:12:A:VAL:HG22	1:53:A:LEU:HD11	9	0.12	0.01	0.12
(1,1067)	1:12:A:VAL:HG22	1:53:A:LEU:HD12	9	0.12	0.01	0.12
(1,1067)	1:12:A:VAL:HG22	1:53:A:LEU:HD13	9	0.12	0.01	0.12
(1,1067)	1:12:A:VAL:HG23	1:53:A:LEU:HD11	9	0.12	0.01	0.12
(1,1067)	1:12:A:VAL:HG23	1:53:A:LEU:HD12	9	0.12	0.01	0.12
(1,1067)	1:12:A:VAL:HG23	1:53:A:LEU:HD13	9	0.12	0.01	0.12
(1,1450)	1:60:A:ILE:HG21	1:92:A:THR:HG21	9	0.11	0.01	0.11
(1,1450)	1:60:A:ILE:HG21	1:92:A:THR:HG22	9	0.11	0.01	0.11
(1,1450)	1:60:A:ILE:HG21	1:92:A:THR:HG23	9	0.11	0.01	0.11
(1,1450)	1:60:A:ILE:HG22	1:92:A:THR:HG21	9	0.11	0.01	0.11
(1,1450)	1:60:A:ILE:HG22	1:92:A:THR:HG22	9	0.11	0.01	0.11
(1,1450)	1:60:A:ILE:HG22	1:92:A:THR:HG23	9	0.11	0.01	0.11
(1,1450)	1:60:A:ILE:HG23	1:92:A:THR:HG21	9	0.11	0.01	0.11
(1,1450)	1:60:A:ILE:HG23	1:92:A:THR:HG22	9	0.11	0.01	0.11
(1,1450)	1:60:A:ILE:HG23	1:92:A:THR:HG23	9	0.11	0.01	0.11
(1,1547)	1:84:A:ILE:HG21	1:86:A:TYR:HE1	9	0.11	0.01	0.11
(1,1547)	1:84:A:ILE:HG21	1:86:A:TYR:HE2	9	0.11	0.01	0.11
(1,1547)	1:84:A:ILE:HG22	1:86:A:TYR:HE1	9	0.11	0.01	0.11
(1,1547)	1:84:A:ILE:HG22	1:86:A:TYR:HE2	9	0.11	0.01	0.11
(1,1547)	1:84:A:ILE:HG23	1:86:A:TYR:HE1	9	0.11	0.01	0.11
(1,1547)	1:84:A:ILE:HG23	1:86:A:TYR:HE2	9	0.11	0.01	0.11
(1,165)	1:61:A:LYS:HA	1:61:A:LYS:HE2	9	0.11	0.01	0.11
(1,165)	1:61:A:LYS:HA	1:61:A:LYS:HE3	9	0.11	0.01	0.11
(1,97)	1:4:A:GLN:HG2	1:111:A:LEU:HB2	9	0.1	0.0	0.1

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,97)	1:4:A:GLN:HG3	1:111:A:LEU:HB2	9	0.1	0.0	0.1
(1,1064)	1:18:A:ARG:HA	1:53:A:LEU:HD11	8	1.28	0.91	1.81
(1,1064)	1:18:A:ARG:HA	1:53:A:LEU:HD12	8	1.28	0.91	1.81
(1,1064)	1:18:A:ARG:HA	1:53:A:LEU:HD13	8	1.28	0.91	1.81
(1,490)	1:112:A:LEU:HD21	1:113:A:ARG:HB3	8	1.21	1.0	1.12
(1,490)	1:112:A:LEU:HD22	1:113:A:ARG:HB3	8	1.21	1.0	1.12
(1,490)	1:112:A:LEU:HD23	1:113:A:ARG:HB3	8	1.21	1.0	1.12
(1,2372)	1:55:A:GLN:HE22	1:56:A:PRO:HD3	8	1.05	0.18	1.11
(1,1123)	1:24:A:VAL:HG11	1:81:A:MET:HB2	8	0.86	0.16	0.94
(1,1123)	1:24:A:VAL:HG12	1:81:A:MET:HB2	8	0.86	0.16	0.94
(1,1123)	1:24:A:VAL:HG13	1:81:A:MET:HB2	8	0.86	0.16	0.94
(1,814)	1:15:A:VAL:HA	1:102:A:GLU:HG2	8	0.79	0.49	0.72
(1,2373)	1:55:A:GLN:HE22	1:82:A:ASP:HB2	8	0.78	0.49	0.82
(1,1101)	1:58:A:VAL:HG21	1:77:A:LEU:HD21	8	0.65	0.43	0.59
(1,1101)	1:58:A:VAL:HG21	1:77:A:LEU:HD22	8	0.65	0.43	0.59
(1,1101)	1:58:A:VAL:HG21	1:77:A:LEU:HD23	8	0.65	0.43	0.59
(1,1101)	1:58:A:VAL:HG22	1:77:A:LEU:HD21	8	0.65	0.43	0.59
(1,1101)	1:58:A:VAL:HG22	1:77:A:LEU:HD22	8	0.65	0.43	0.59
(1,1101)	1:58:A:VAL:HG22	1:77:A:LEU:HD23	8	0.65	0.43	0.59
(1,1101)	1:58:A:VAL:HG23	1:77:A:LEU:HD21	8	0.65	0.43	0.59
(1,1101)	1:58:A:VAL:HG23	1:77:A:LEU:HD22	8	0.65	0.43	0.59
(1,1101)	1:58:A:VAL:HG23	1:77:A:LEU:HD23	8	0.65	0.43	0.59
(1,499)	1:34:A:HIS:HA	1:40:A:CYS:HB3	8	0.49	0.42	0.43
(1,1017)	1:24:A:VAL:HG21	1:79:A:ALA:HB1	8	0.42	0.14	0.42
(1,1017)	1:24:A:VAL:HG21	1:79:A:ALA:HB2	8	0.42	0.14	0.42
(1,1017)	1:24:A:VAL:HG21	1:79:A:ALA:HB3	8	0.42	0.14	0.42
(1,1017)	1:24:A:VAL:HG22	1:79:A:ALA:HB1	8	0.42	0.14	0.42
(1,1017)	1:24:A:VAL:HG22	1:79:A:ALA:HB2	8	0.42	0.14	0.42
(1,1017)	1:24:A:VAL:HG22	1:79:A:ALA:HB3	8	0.42	0.14	0.42
(1,1017)	1:24:A:VAL:HG23	1:79:A:ALA:HB1	8	0.42	0.14	0.42
(1,1017)	1:24:A:VAL:HG23	1:79:A:ALA:HB2	8	0.42	0.14	0.42
(1,1017)	1:24:A:VAL:HG23	1:79:A:ALA:HB3	8	0.42	0.14	0.42
(1,1473)	1:62:A:ARG:HA	1:63:A:SER:HB3	8	0.42	0.24	0.34
(1,778)	1:10:A:LEU:HD11	1:102:A:GLU:HB3	8	0.4	0.32	0.24
(1,778)	1:10:A:LEU:HD12	1:102:A:GLU:HB3	8	0.4	0.32	0.24
(1,778)	1:10:A:LEU:HD13	1:102:A:GLU:HB3	8	0.4	0.32	0.24
(1,210)	1:42:A:LEU:HG	1:44:A:GLU:HG2	8	0.38	0.11	0.38
(1,1325)	1:36:A:LYS:HA	1:36:A:LYS:HD3	8	0.38	0.18	0.32
(1,1312)	1:17:A:VAL:H	1:17:A:VAL:HG21	8	0.29	0.06	0.3
(1,1312)	1:17:A:VAL:H	1:17:A:VAL:HG22	8	0.29	0.06	0.3
(1,1312)	1:17:A:VAL:H	1:17:A:VAL:HG23	8	0.29	0.06	0.3
(1,837)	1:42:A:LEU:HD21	1:60:A:ILE:HD11	8	0.27	0.1	0.3

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,837)	1:42:A:LEU:HD21	1:60:A:ILE:HD12	8	0.27	0.1	0.3
(1,837)	1:42:A:LEU:HD21	1:60:A:ILE:HD13	8	0.27	0.1	0.3
(1,837)	1:42:A:LEU:HD22	1:60:A:ILE:HD11	8	0.27	0.1	0.3
(1,837)	1:42:A:LEU:HD22	1:60:A:ILE:HD12	8	0.27	0.1	0.3
(1,837)	1:42:A:LEU:HD22	1:60:A:ILE:HD13	8	0.27	0.1	0.3
(1,837)	1:42:A:LEU:HD23	1:60:A:ILE:HD11	8	0.27	0.1	0.3
(1,837)	1:42:A:LEU:HD23	1:60:A:ILE:HD12	8	0.27	0.1	0.3
(1,837)	1:42:A:LEU:HD23	1:60:A:ILE:HD13	8	0.27	0.1	0.3
(1,1344)	1:102:A:GLU:HA	1:102:A:GLU:HG3	8	0.22	0.06	0.22
(1,386)	1:2:A:HIS:HB2	1:3:A:VAL:H	8	0.17	0.02	0.18
(1,2005)	1:76:A:GLU:HB3	1:77:A:LEU:H	8	0.13	0.02	0.12
(1,239)	1:29:A:SER:H	1:30:A:GLU:HG3	7	0.85	0.12	0.83
(1,532)	1:10:A:LEU:HB2	1:102:A:GLU:HB2	7	0.77	0.41	0.61
(1,818)	1:62:A:ARG:HD2	1:73:A:LYS:HG3	7	0.74	0.36	0.61
(1,818)	1:62:A:ARG:HD3	1:73:A:LYS:HG3	7	0.74	0.36	0.61
(1,243)	1:24:A:VAL:HG21	1:25:A:GLU:HG2	7	0.6	0.17	0.63
(1,243)	1:24:A:VAL:HG22	1:25:A:GLU:HG2	7	0.6	0.17	0.63
(1,243)	1:24:A:VAL:HG23	1:25:A:GLU:HG2	7	0.6	0.17	0.63
(1,2313)	1:4:A:GLN:HE22	1:109:A:ASN:HD22	7	0.58	0.28	0.5
(1,365)	1:55:A:GLN:H	1:55:A:GLN:HG3	7	0.55	0.27	0.73
(1,1185)	1:2:A:HIS:HB2	1:74:A:VAL:HG21	7	0.43	0.14	0.45
(1,1185)	1:2:A:HIS:HB2	1:74:A:VAL:HG22	7	0.43	0.14	0.45
(1,1185)	1:2:A:HIS:HB2	1:74:A:VAL:HG23	7	0.43	0.14	0.45
(1,318)	1:33:A:GLU:HG3	1:37:A:ASN:HD21	7	0.36	0.18	0.28
(1,318)	1:33:A:GLU:HG3	1:37:A:ASN:HD22	7	0.36	0.18	0.28
(1,297)	1:56:A:PRO:HB3	1:80:A:GLU:H	7	0.26	0.14	0.23
(1,1482)	1:61:A:LYS:HE2	1:91:A:ILE:HG21	7	0.12	0.01	0.11
(1,1482)	1:61:A:LYS:HE2	1:91:A:ILE:HG22	7	0.12	0.01	0.11
(1,1482)	1:61:A:LYS:HE2	1:91:A:ILE:HG23	7	0.12	0.01	0.11
(1,1482)	1:61:A:LYS:HE3	1:91:A:ILE:HG21	7	0.12	0.01	0.11
(1,1482)	1:61:A:LYS:HE3	1:91:A:ILE:HG22	7	0.12	0.01	0.11
(1,1482)	1:61:A:LYS:HE3	1:91:A:ILE:HG23	7	0.12	0.01	0.11
(1,782)	1:93:A:LEU:HA	1:93:A:LEU:HD11	7	0.1	0.0	0.1
(1,782)	1:93:A:LEU:HA	1:93:A:LEU:HD12	7	0.1	0.0	0.1
(1,782)	1:93:A:LEU:HA	1:93:A:LEU:HD13	7	0.1	0.0	0.1
(1,393)	1:53:A:LEU:HD11	1:97:A:VAL:HB	6	1.17	0.59	1.4
(1,393)	1:53:A:LEU:HD12	1:97:A:VAL:HB	6	1.17	0.59	1.4
(1,393)	1:53:A:LEU:HD13	1:97:A:VAL:HB	6	1.17	0.59	1.4
(1,2312)	1:114:A:LYS:HA	1:115:A:ASN:HD22	6	1.08	0.59	1.24
(1,991)	1:15:A:VAL:HG21	1:18:A:ARG:HE	6	0.83	0.39	1.0
(1,991)	1:15:A:VAL:HG22	1:18:A:ARG:HE	6	0.83	0.39	1.0
(1,991)	1:15:A:VAL:HG23	1:18:A:ARG:HE	6	0.83	0.39	1.0

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2361)	1:4:A:GLN:HE21	1:109:A:ASN:HD22	6	0.61	0.4	0.59
(1,876)	1:20:A:PHE:HE1	1:35:A:LEU:HD11	6	0.51	0.19	0.48
(1,876)	1:20:A:PHE:HE1	1:35:A:LEU:HD12	6	0.51	0.19	0.48
(1,876)	1:20:A:PHE:HE1	1:35:A:LEU:HD13	6	0.51	0.19	0.48
(1,876)	1:20:A:PHE:HE2	1:35:A:LEU:HD11	6	0.51	0.19	0.48
(1,876)	1:20:A:PHE:HE2	1:35:A:LEU:HD12	6	0.51	0.19	0.48
(1,876)	1:20:A:PHE:HE2	1:35:A:LEU:HD13	6	0.51	0.19	0.48
(1,15)	1:9:A:VAL:HG11	1:42:A:LEU:HB2	6	0.41	0.22	0.47
(1,15)	1:9:A:VAL:HG12	1:42:A:LEU:HB2	6	0.41	0.22	0.47
(1,15)	1:9:A:VAL:HG13	1:42:A:LEU:HB2	6	0.41	0.22	0.47
(1,1189)	1:9:A:VAL:HG21	1:44:A:GLU:HG2	6	0.4	0.17	0.38
(1,1189)	1:9:A:VAL:HG22	1:44:A:GLU:HG2	6	0.4	0.17	0.38
(1,1189)	1:9:A:VAL:HG23	1:44:A:GLU:HG2	6	0.4	0.17	0.38
(1,145)	1:65:A:ALA:HA	1:66:A:LEU:HB2	6	0.37	0.21	0.33
(1,640)	1:23:A:SER:HB2	1:24:A:VAL:H	6	0.33	0.14	0.34
(1,1140)	1:24:A:VAL:HG11	1:81:A:MET:HA	6	0.3	0.19	0.22
(1,1140)	1:24:A:VAL:HG12	1:81:A:MET:HA	6	0.3	0.19	0.22
(1,1140)	1:24:A:VAL:HG13	1:81:A:MET:HA	6	0.3	0.19	0.22
(1,2097)	1:3:A:VAL:H	1:112:A:LEU:HB2	6	0.24	0.2	0.15
(1,2113)	1:66:A:LEU:H	1:66:A:LEU:HB2	6	0.23	0.09	0.22
(1,132)	1:108:A:ARG:HA	1:108:A:ARG:HD2	6	0.23	0.11	0.22
(1,777)	1:10:A:LEU:HD11	1:41:A:GLY:HA2	6	0.22	0.09	0.24
(1,777)	1:10:A:LEU:HD12	1:41:A:GLY:HA2	6	0.22	0.09	0.24
(1,777)	1:10:A:LEU:HD13	1:41:A:GLY:HA2	6	0.22	0.09	0.24
(1,1813)	1:2:A:HIS:HB2	1:114:A:LYS:H	6	0.22	0.17	0.15
(1,994)	1:15:A:VAL:HG21	1:97:A:VAL:HB	6	0.21	0.11	0.18
(1,994)	1:15:A:VAL:HG22	1:97:A:VAL:HB	6	0.21	0.11	0.18
(1,994)	1:15:A:VAL:HG23	1:97:A:VAL:HB	6	0.21	0.11	0.18
(1,567)	1:11:A:GLN:HB3	1:15:A:VAL:H	6	0.2	0.1	0.18
(1,202)	1:44:A:GLU:H	1:44:A:GLU:HG2	6	0.2	0.06	0.18
(1,641)	1:23:A:SER:HB2	1:25:A:GLU:H	6	0.18	0.09	0.14
(1,131)	1:108:A:ARG:H	1:108:A:ARG:HD2	6	0.16	0.05	0.16
(1,615)	1:84:A:ILE:H	1:84:A:ILE:HG12	6	0.16	0.03	0.18
(1,2459)	1:20:A:PHE:HD1	1:30:A:GLU:HB2	6	0.15	0.03	0.16
(1,2459)	1:20:A:PHE:HD2	1:30:A:GLU:HB2	6	0.15	0.03	0.16
(1,355)	1:4:A:GLN:H	1:4:A:GLN:HG2	6	0.11	0.01	0.11
(1,355)	1:4:A:GLN:H	1:4:A:GLN:HG3	6	0.11	0.01	0.11
(1,1535)	1:84:A:ILE:HG21	1:86:A:TYR:H	6	0.11	0.01	0.11
(1,1535)	1:84:A:ILE:HG22	1:86:A:TYR:H	6	0.11	0.01	0.11
(1,1535)	1:84:A:ILE:HG23	1:86:A:TYR:H	6	0.11	0.01	0.11
(1,2057)	1:81:A:MET:HG3	1:84:A:ILE:H	5	1.08	0.35	1.21
(1,1065)	1:18:A:ARG:HG2	1:53:A:LEU:HD11	5	0.7	0.62	0.25

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1065)	1:18:A:ARG:HG2	1:53:A:LEU:HD12	5	0.7	0.62	0.25
(1,1065)	1:18:A:ARG:HG2	1:53:A:LEU:HD13	5	0.7	0.62	0.25
(1,1006)	1:53:A:LEU:HD11	1:97:A:VAL:HG11	5	0.7	0.26	0.75
(1,1006)	1:53:A:LEU:HD11	1:97:A:VAL:HG12	5	0.7	0.26	0.75
(1,1006)	1:53:A:LEU:HD11	1:97:A:VAL:HG13	5	0.7	0.26	0.75
(1,1006)	1:53:A:LEU:HD12	1:97:A:VAL:HG11	5	0.7	0.26	0.75
(1,1006)	1:53:A:LEU:HD12	1:97:A:VAL:HG12	5	0.7	0.26	0.75
(1,1006)	1:53:A:LEU:HD12	1:97:A:VAL:HG13	5	0.7	0.26	0.75
(1,1006)	1:53:A:LEU:HD13	1:97:A:VAL:HG11	5	0.7	0.26	0.75
(1,1006)	1:53:A:LEU:HD13	1:97:A:VAL:HG12	5	0.7	0.26	0.75
(1,1006)	1:53:A:LEU:HD13	1:97:A:VAL:HG13	5	0.7	0.26	0.75
(1,1063)	1:53:A:LEU:HA	1:53:A:LEU:HD11	5	0.65	0.27	0.82
(1,1063)	1:53:A:LEU:HA	1:53:A:LEU:HD12	5	0.65	0.27	0.82
(1,1063)	1:53:A:LEU:HA	1:53:A:LEU:HD13	5	0.65	0.27	0.82
(1,1061)	1:53:A:LEU:HD11	1:54:A:GLU:H	5	0.48	0.1	0.44
(1,1061)	1:53:A:LEU:HD12	1:54:A:GLU:H	5	0.48	0.1	0.44
(1,1061)	1:53:A:LEU:HD13	1:54:A:GLU:H	5	0.48	0.1	0.44
(1,1279)	1:24:A:VAL:HG21	1:79:A:ALA:H	5	0.48	0.21	0.36
(1,1279)	1:24:A:VAL:HG22	1:79:A:ALA:H	5	0.48	0.21	0.36
(1,1279)	1:24:A:VAL:HG23	1:79:A:ALA:H	5	0.48	0.21	0.36
(1,1020)	1:66:A:LEU:HA	1:66:A:LEU:HD21	5	0.45	0.28	0.65
(1,1020)	1:66:A:LEU:HA	1:66:A:LEU:HD22	5	0.45	0.28	0.65
(1,1020)	1:66:A:LEU:HA	1:66:A:LEU:HD23	5	0.45	0.28	0.65
(1,985)	1:96:A:LEU:HA	1:96:A:LEU:HD21	5	0.43	0.12	0.47
(1,985)	1:96:A:LEU:HA	1:96:A:LEU:HD22	5	0.43	0.12	0.47
(1,985)	1:96:A:LEU:HA	1:96:A:LEU:HD23	5	0.43	0.12	0.47
(1,740)	1:12:A:VAL:HG11	1:53:A:LEU:HD21	5	0.42	0.37	0.13
(1,740)	1:12:A:VAL:HG11	1:53:A:LEU:HD22	5	0.42	0.37	0.13
(1,740)	1:12:A:VAL:HG11	1:53:A:LEU:HD23	5	0.42	0.37	0.13
(1,740)	1:12:A:VAL:HG12	1:53:A:LEU:HD21	5	0.42	0.37	0.13
(1,740)	1:12:A:VAL:HG12	1:53:A:LEU:HD22	5	0.42	0.37	0.13
(1,740)	1:12:A:VAL:HG12	1:53:A:LEU:HD23	5	0.42	0.37	0.13
(1,740)	1:12:A:VAL:HG13	1:53:A:LEU:HD21	5	0.42	0.37	0.13
(1,740)	1:12:A:VAL:HG13	1:53:A:LEU:HD22	5	0.42	0.37	0.13
(1,740)	1:12:A:VAL:HG13	1:53:A:LEU:HD23	5	0.42	0.37	0.13
(1,2070)	1:8:A:PRO:HG3	1:42:A:LEU:H	5	0.38	0.38	0.26
(1,1207)	1:9:A:VAL:HG11	1:44:A:GLU:HG2	5	0.32	0.15	0.3
(1,1207)	1:9:A:VAL:HG12	1:44:A:GLU:HG2	5	0.32	0.15	0.3
(1,1207)	1:9:A:VAL:HG13	1:44:A:GLU:HG2	5	0.32	0.15	0.3
(1,277)	1:18:A:ARG:HD3	1:54:A:GLU:HG2	5	0.32	0.26	0.2
(1,1962)	1:42:A:LEU:HD11	1:45:A:LEU:H	5	0.32	0.17	0.23
(1,1962)	1:42:A:LEU:HD12	1:45:A:LEU:H	5	0.32	0.17	0.23

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1962)	1:42:A:LEU:HD13	1:45:A:LEU:H	5	0.32	0.17	0.23
(1,1276)	1:37:A:ASN:HD22	1:39:A:THR:HG21	5	0.25	0.02	0.26
(1,1276)	1:37:A:ASN:HD22	1:39:A:THR:HG22	5	0.25	0.02	0.26
(1,1276)	1:37:A:ASN:HD22	1:39:A:THR:HG23	5	0.25	0.02	0.26
(1,574)	1:33:A:GLU:H	1:33:A:GLU:HB3	5	0.12	0.01	0.13
(1,2527)	1:61:A:LYS:HD2	1:86:A:TYR:HE1	5	0.12	0.01	0.12
(1,2527)	1:61:A:LYS:HD2	1:86:A:TYR:HE2	5	0.12	0.01	0.12
(1,2527)	1:61:A:LYS:HD3	1:86:A:TYR:HE1	5	0.12	0.01	0.12
(1,2527)	1:61:A:LYS:HD3	1:86:A:TYR:HE2	5	0.12	0.01	0.12
(1,364)	1:55:A:GLN:HG2	1:57:A:TYR:HE1	5	0.11	0.0	0.11
(1,364)	1:55:A:GLN:HG2	1:57:A:TYR:HE2	5	0.11	0.0	0.11
(1,1333)	1:102:A:GLU:HA	1:103:A:THR:HG21	5	0.11	0.01	0.11
(1,1333)	1:102:A:GLU:HA	1:103:A:THR:HG22	5	0.11	0.01	0.11
(1,1333)	1:102:A:GLU:HA	1:103:A:THR:HG23	5	0.11	0.01	0.11
(1,2525)	1:61:A:LYS:HE2	1:86:A:TYR:HE1	5	0.11	0.01	0.11
(1,2525)	1:61:A:LYS:HE2	1:86:A:TYR:HE2	5	0.11	0.01	0.11
(1,2525)	1:61:A:LYS:HE3	1:86:A:TYR:HE1	5	0.11	0.01	0.11
(1,2525)	1:61:A:LYS:HE3	1:86:A:TYR:HE2	5	0.11	0.01	0.11
(1,1498)	1:112:A:LEU:HD21	1:113:A:ARG:HA	4	1.7	0.24	1.65
(1,1498)	1:112:A:LEU:HD22	1:113:A:ARG:HA	4	1.7	0.24	1.65
(1,1498)	1:112:A:LEU:HD23	1:113:A:ARG:HA	4	1.7	0.24	1.65
(1,883)	1:76:A:GLU:HA	1:112:A:LEU:HD21	4	1.66	0.8	1.47
(1,883)	1:76:A:GLU:HA	1:112:A:LEU:HD22	4	1.66	0.8	1.47
(1,883)	1:76:A:GLU:HA	1:112:A:LEU:HD23	4	1.66	0.8	1.47
(1,236)	1:23:A:SER:HA	1:26:A:GLU:HG2	4	1.55	0.12	1.52
(1,882)	1:2:A:HIS:HD2	1:112:A:LEU:HD21	4	1.47	0.17	1.5
(1,882)	1:2:A:HIS:HD2	1:112:A:LEU:HD22	4	1.47	0.17	1.5
(1,882)	1:2:A:HIS:HD2	1:112:A:LEU:HD23	4	1.47	0.17	1.5
(1,481)	1:112:A:LEU:HD21	1:113:A:ARG:HB2	4	1.37	0.8	1.35
(1,481)	1:112:A:LEU:HD22	1:113:A:ARG:HB2	4	1.37	0.8	1.35
(1,481)	1:112:A:LEU:HD23	1:113:A:ARG:HB2	4	1.37	0.8	1.35
(1,371)	1:76:A:GLU:HB3	1:112:A:LEU:HD21	4	1.3	0.74	1.08
(1,371)	1:76:A:GLU:HB3	1:112:A:LEU:HD22	4	1.3	0.74	1.08
(1,371)	1:76:A:GLU:HB3	1:112:A:LEU:HD23	4	1.3	0.74	1.08
(1,881)	1:77:A:LEU:H	1:112:A:LEU:HD21	4	1.12	0.79	0.88
(1,881)	1:77:A:LEU:H	1:112:A:LEU:HD22	4	1.12	0.79	0.88
(1,881)	1:77:A:LEU:H	1:112:A:LEU:HD23	4	1.12	0.79	0.88
(1,1812)	1:112:A:LEU:HD21	1:114:A:LYS:H	4	1.08	0.33	0.96
(1,1812)	1:112:A:LEU:HD22	1:114:A:LYS:H	4	1.08	0.33	0.96
(1,1812)	1:112:A:LEU:HD23	1:114:A:LYS:H	4	1.08	0.33	0.96
(1,1116)	1:50:A:LEU:HD21	1:95:A:VAL:HG21	4	0.96	0.45	1.06
(1,1116)	1:50:A:LEU:HD21	1:95:A:VAL:HG22	4	0.96	0.45	1.06

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1116)	1:50:A:LEU:HD21	1:95:A:VAL:HG23	4	0.96	0.45	1.06
(1,1116)	1:50:A:LEU:HD22	1:95:A:VAL:HG21	4	0.96	0.45	1.06
(1,1116)	1:50:A:LEU:HD22	1:95:A:VAL:HG22	4	0.96	0.45	1.06
(1,1116)	1:50:A:LEU:HD22	1:95:A:VAL:HG23	4	0.96	0.45	1.06
(1,1116)	1:50:A:LEU:HD23	1:95:A:VAL:HG21	4	0.96	0.45	1.06
(1,1116)	1:50:A:LEU:HD23	1:95:A:VAL:HG22	4	0.96	0.45	1.06
(1,1116)	1:50:A:LEU:HD23	1:95:A:VAL:HG23	4	0.96	0.45	1.06
(1,880)	1:112:A:LEU:HD21	1:113:A:ARG:H	4	0.87	0.21	0.82
(1,880)	1:112:A:LEU:HD22	1:113:A:ARG:H	4	0.87	0.21	0.82
(1,880)	1:112:A:LEU:HD23	1:113:A:ARG:H	4	0.87	0.21	0.82
(1,2224)	1:18:A:ARG:HE	1:53:A:LEU:HD11	4	0.86	0.68	0.72
(1,2224)	1:18:A:ARG:HE	1:53:A:LEU:HD12	4	0.86	0.68	0.72
(1,2224)	1:18:A:ARG:HE	1:53:A:LEU:HD13	4	0.86	0.68	0.72
(1,770)	1:75:A:VAL:HA	1:93:A:LEU:HD11	4	0.86	0.54	0.85
(1,770)	1:75:A:VAL:HA	1:93:A:LEU:HD12	4	0.86	0.54	0.85
(1,770)	1:75:A:VAL:HA	1:93:A:LEU:HD13	4	0.86	0.54	0.85
(1,144)	1:73:A:LYS:HE2	1:93:A:LEU:HD21	4	0.85	0.6	0.85
(1,144)	1:73:A:LYS:HE2	1:93:A:LEU:HD22	4	0.85	0.6	0.85
(1,144)	1:73:A:LYS:HE2	1:93:A:LEU:HD23	4	0.85	0.6	0.85
(1,144)	1:73:A:LYS:HE3	1:93:A:LEU:HD21	4	0.85	0.6	0.85
(1,144)	1:73:A:LYS:HE3	1:93:A:LEU:HD22	4	0.85	0.6	0.85
(1,144)	1:73:A:LYS:HE3	1:93:A:LEU:HD23	4	0.85	0.6	0.85
(1,1074)	1:53:A:LEU:HD11	1:97:A:VAL:HG21	4	0.8	0.16	0.88
(1,1074)	1:53:A:LEU:HD11	1:97:A:VAL:HG22	4	0.8	0.16	0.88
(1,1074)	1:53:A:LEU:HD11	1:97:A:VAL:HG23	4	0.8	0.16	0.88
(1,1074)	1:53:A:LEU:HD12	1:97:A:VAL:HG21	4	0.8	0.16	0.88
(1,1074)	1:53:A:LEU:HD12	1:97:A:VAL:HG22	4	0.8	0.16	0.88
(1,1074)	1:53:A:LEU:HD12	1:97:A:VAL:HG23	4	0.8	0.16	0.88
(1,1074)	1:53:A:LEU:HD13	1:97:A:VAL:HG21	4	0.8	0.16	0.88
(1,1074)	1:53:A:LEU:HD13	1:97:A:VAL:HG22	4	0.8	0.16	0.88
(1,1074)	1:53:A:LEU:HD13	1:97:A:VAL:HG23	4	0.8	0.16	0.88
(1,1168)	1:74:A:VAL:HG21	1:113:A:ARG:HA	4	0.78	0.37	0.85
(1,1168)	1:74:A:VAL:HG22	1:113:A:ARG:HA	4	0.78	0.37	0.85
(1,1168)	1:74:A:VAL:HG23	1:113:A:ARG:HA	4	0.78	0.37	0.85
(1,108)	1:18:A:ARG:HD3	1:53:A:LEU:HD11	4	0.77	0.39	0.9
(1,108)	1:18:A:ARG:HD3	1:53:A:LEU:HD12	4	0.77	0.39	0.9
(1,108)	1:18:A:ARG:HD3	1:53:A:LEU:HD13	4	0.77	0.39	0.9
(1,826)	1:45:A:LEU:HD11	1:50:A:LEU:HD21	4	0.76	0.41	0.84
(1,826)	1:45:A:LEU:HD11	1:50:A:LEU:HD22	4	0.76	0.41	0.84
(1,826)	1:45:A:LEU:HD11	1:50:A:LEU:HD23	4	0.76	0.41	0.84
(1,826)	1:45:A:LEU:HD12	1:50:A:LEU:HD21	4	0.76	0.41	0.84
(1,826)	1:45:A:LEU:HD12	1:50:A:LEU:HD22	4	0.76	0.41	0.84

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,826)	1:45:A:LEU:HD12	1:50:A:LEU:HD23	4	0.76	0.41	0.84
(1,826)	1:45:A:LEU:HD13	1:50:A:LEU:HD21	4	0.76	0.41	0.84
(1,826)	1:45:A:LEU:HD13	1:50:A:LEU:HD22	4	0.76	0.41	0.84
(1,826)	1:45:A:LEU:HD13	1:50:A:LEU:HD23	4	0.76	0.41	0.84
(1,1392)	1:65:A:ALA:HB1	1:66:A:LEU:HD21	4	0.63	0.29	0.76
(1,1392)	1:65:A:ALA:HB1	1:66:A:LEU:HD22	4	0.63	0.29	0.76
(1,1392)	1:65:A:ALA:HB1	1:66:A:LEU:HD23	4	0.63	0.29	0.76
(1,1392)	1:65:A:ALA:HB2	1:66:A:LEU:HD21	4	0.63	0.29	0.76
(1,1392)	1:65:A:ALA:HB2	1:66:A:LEU:HD22	4	0.63	0.29	0.76
(1,1392)	1:65:A:ALA:HB2	1:66:A:LEU:HD23	4	0.63	0.29	0.76
(1,1392)	1:65:A:ALA:HB3	1:66:A:LEU:HD21	4	0.63	0.29	0.76
(1,1392)	1:65:A:ALA:HB3	1:66:A:LEU:HD22	4	0.63	0.29	0.76
(1,1392)	1:65:A:ALA:HB3	1:66:A:LEU:HD23	4	0.63	0.29	0.76
(1,235)	1:23:A:SER:HB3	1:26:A:GLU:HG2	4	0.6	0.16	0.66
(1,799)	1:50:A:LEU:HD11	1:83:A:GLY:HA2	4	0.57	0.2	0.62
(1,799)	1:50:A:LEU:HD12	1:83:A:GLY:HA2	4	0.57	0.2	0.62
(1,799)	1:50:A:LEU:HD13	1:83:A:GLY:HA2	4	0.57	0.2	0.62
(1,2341)	1:11:A:GLN:HE22	1:12:A:VAL:HG11	4	0.53	0.4	0.48
(1,2341)	1:11:A:GLN:HE22	1:12:A:VAL:HG12	4	0.53	0.4	0.48
(1,2341)	1:11:A:GLN:HE22	1:12:A:VAL:HG13	4	0.53	0.4	0.48
(1,729)	1:50:A:LEU:HA	1:53:A:LEU:HD21	4	0.35	0.08	0.38
(1,729)	1:50:A:LEU:HA	1:53:A:LEU:HD22	4	0.35	0.08	0.38
(1,729)	1:50:A:LEU:HA	1:53:A:LEU:HD23	4	0.35	0.08	0.38
(1,1549)	1:82:A:ASP:HB3	1:84:A:ILE:HG21	4	0.31	0.1	0.35
(1,1549)	1:82:A:ASP:HB3	1:84:A:ILE:HG22	4	0.31	0.1	0.35
(1,1549)	1:82:A:ASP:HB3	1:84:A:ILE:HG23	4	0.31	0.1	0.35
(1,1180)	1:74:A:VAL:HG21	1:111:A:LEU:H	4	0.3	0.33	0.11
(1,1180)	1:74:A:VAL:HG22	1:111:A:LEU:H	4	0.3	0.33	0.11
(1,1180)	1:74:A:VAL:HG23	1:111:A:LEU:H	4	0.3	0.33	0.11
(1,2)	1:17:A:VAL:HG11	1:98:A:PRO:HD3	4	0.27	0.11	0.22
(1,2)	1:17:A:VAL:HG12	1:98:A:PRO:HD3	4	0.27	0.11	0.22
(1,2)	1:17:A:VAL:HG13	1:98:A:PRO:HD3	4	0.27	0.11	0.22
(1,2)	1:17:A:VAL:HG21	1:98:A:PRO:HD3	4	0.27	0.11	0.22
(1,2)	1:17:A:VAL:HG22	1:98:A:PRO:HD3	4	0.27	0.11	0.22
(1,2)	1:17:A:VAL:HG23	1:98:A:PRO:HD3	4	0.27	0.11	0.22
(1,1530)	1:20:A:PHE:HB3	1:27:A:ALA:HB1	4	0.24	0.03	0.24
(1,1530)	1:20:A:PHE:HB3	1:27:A:ALA:HB2	4	0.24	0.03	0.24
(1,1530)	1:20:A:PHE:HB3	1:27:A:ALA:HB3	4	0.24	0.03	0.24
(1,697)	1:74:A:VAL:HG11	1:111:A:LEU:HG	4	0.23	0.04	0.22
(1,697)	1:74:A:VAL:HG12	1:111:A:LEU:HG	4	0.23	0.04	0.22
(1,697)	1:74:A:VAL:HG13	1:111:A:LEU:HG	4	0.23	0.04	0.22
(1,887)	1:93:A:LEU:HA	1:93:A:LEU:HD21	4	0.2	0.07	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,887)	1:93:A:LEU:HA	1:93:A:LEU:HD22	4	0.2	0.07	0.2
(1,887)	1:93:A:LEU:HA	1:93:A:LEU:HD23	4	0.2	0.07	0.2
(1,1599)	1:21:A:GLY:HA2	1:22:A:ASP:HA	4	0.17	0.09	0.12
(1,713)	1:8:A:PRO:HG2	1:107:A:TYR:HE1	4	0.16	0.03	0.16
(1,713)	1:8:A:PRO:HG2	1:107:A:TYR:HE2	4	0.16	0.03	0.16
(1,333)	1:11:A:GLN:HA	1:11:A:GLN:HG3	4	0.14	0.04	0.14
(1,2171)	1:54:A:GLU:H	1:54:A:GLU:HB3	4	0.12	0.01	0.12
(1,231)	1:78:A:VAL:HG21	1:80:A:GLU:HG2	4	0.12	0.01	0.12
(1,231)	1:78:A:VAL:HG21	1:80:A:GLU:HG3	4	0.12	0.01	0.12
(1,231)	1:78:A:VAL:HG22	1:80:A:GLU:HG2	4	0.12	0.01	0.12
(1,231)	1:78:A:VAL:HG22	1:80:A:GLU:HG3	4	0.12	0.01	0.12
(1,231)	1:78:A:VAL:HG23	1:80:A:GLU:HG2	4	0.12	0.01	0.12
(1,231)	1:78:A:VAL:HG23	1:80:A:GLU:HG3	4	0.12	0.01	0.12
(1,2428)	1:57:A:TYR:HD1	1:59:A:PHE:HE1	4	0.12	0.01	0.12
(1,2428)	1:57:A:TYR:HD1	1:59:A:PHE:HE2	4	0.12	0.01	0.12
(1,2428)	1:57:A:TYR:HD2	1:59:A:PHE:HE1	4	0.12	0.01	0.12
(1,2428)	1:57:A:TYR:HD2	1:59:A:PHE:HE2	4	0.12	0.01	0.12
(1,1255)	1:24:A:VAL:HG11	1:25:A:GLU:HA	4	0.11	0.01	0.11
(1,1255)	1:24:A:VAL:HG12	1:25:A:GLU:HA	4	0.11	0.01	0.11
(1,1255)	1:24:A:VAL:HG13	1:25:A:GLU:HA	4	0.11	0.01	0.11
(1,77)	1:113:A:ARG:HA	1:113:A:ARG:HD2	4	0.11	0.0	0.11
(1,77)	1:113:A:ARG:HA	1:113:A:ARG:HD3	4	0.11	0.0	0.11
(1,2250)	1:24:A:VAL:HG11	1:28:A:LEU:H	4	0.11	0.0	0.11
(1,2250)	1:24:A:VAL:HG12	1:28:A:LEU:H	4	0.11	0.0	0.11
(1,2250)	1:24:A:VAL:HG13	1:28:A:LEU:H	4	0.11	0.0	0.11
(1,2470)	1:59:A:PHE:HE1	1:95:A:VAL:HB	4	0.11	0.01	0.11
(1,2470)	1:59:A:PHE:HE2	1:95:A:VAL:HB	4	0.11	0.01	0.11
(1,345)	1:50:A:LEU:HD21	1:95:A:VAL:HB	3	1.99	0.2	1.97
(1,345)	1:50:A:LEU:HD22	1:95:A:VAL:HB	3	1.99	0.2	1.97
(1,345)	1:50:A:LEU:HD23	1:95:A:VAL:HB	3	1.99	0.2	1.97
(1,367)	1:76:A:GLU:HB2	1:112:A:LEU:HD21	3	1.68	0.78	1.96
(1,367)	1:76:A:GLU:HB2	1:112:A:LEU:HD22	3	1.68	0.78	1.96
(1,367)	1:76:A:GLU:HB2	1:112:A:LEU:HD23	3	1.68	0.78	1.96
(1,669)	1:11:A:GLN:HG2	1:13:A:ARG:HG2	3	1.59	0.3	1.8
(1,1134)	1:50:A:LEU:HD21	1:95:A:VAL:HG11	3	1.47	0.07	1.5
(1,1134)	1:50:A:LEU:HD21	1:95:A:VAL:HG12	3	1.47	0.07	1.5
(1,1134)	1:50:A:LEU:HD21	1:95:A:VAL:HG13	3	1.47	0.07	1.5
(1,1134)	1:50:A:LEU:HD22	1:95:A:VAL:HG11	3	1.47	0.07	1.5
(1,1134)	1:50:A:LEU:HD22	1:95:A:VAL:HG12	3	1.47	0.07	1.5
(1,1134)	1:50:A:LEU:HD22	1:95:A:VAL:HG13	3	1.47	0.07	1.5
(1,1134)	1:50:A:LEU:HD23	1:95:A:VAL:HG11	3	1.47	0.07	1.5
(1,1134)	1:50:A:LEU:HD23	1:95:A:VAL:HG12	3	1.47	0.07	1.5

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1134)	1:50:A:LEU:HD23	1:95:A:VAL:HG13	3	1.47	0.07	1.5
(1,1319)	1:99:A:HIS:HA	1:100:A:VAL:HG21	3	1.27	0.02	1.28
(1,1319)	1:99:A:HIS:HA	1:100:A:VAL:HG22	3	1.27	0.02	1.28
(1,1319)	1:99:A:HIS:HA	1:100:A:VAL:HG23	3	1.27	0.02	1.28
(1,684)	1:11:A:GLN:HB2	1:13:A:ARG:HG2	3	1.26	0.38	1.23
(1,725)	1:50:A:LEU:HD21	1:53:A:LEU:HD21	3	1.24	0.74	1.75
(1,725)	1:50:A:LEU:HD21	1:53:A:LEU:HD22	3	1.24	0.74	1.75
(1,725)	1:50:A:LEU:HD21	1:53:A:LEU:HD23	3	1.24	0.74	1.75
(1,725)	1:50:A:LEU:HD22	1:53:A:LEU:HD21	3	1.24	0.74	1.75
(1,725)	1:50:A:LEU:HD22	1:53:A:LEU:HD22	3	1.24	0.74	1.75
(1,725)	1:50:A:LEU:HD22	1:53:A:LEU:HD23	3	1.24	0.74	1.75
(1,725)	1:50:A:LEU:HD23	1:53:A:LEU:HD21	3	1.24	0.74	1.75
(1,725)	1:50:A:LEU:HD23	1:53:A:LEU:HD22	3	1.24	0.74	1.75
(1,725)	1:50:A:LEU:HD23	1:53:A:LEU:HD23	3	1.24	0.74	1.75
(1,1090)	1:17:A:VAL:HG11	1:98:A:PRO:HG2	3	1.19	0.08	1.24
(1,1090)	1:17:A:VAL:HG12	1:98:A:PRO:HG2	3	1.19	0.08	1.24
(1,1090)	1:17:A:VAL:HG13	1:98:A:PRO:HG2	3	1.19	0.08	1.24
(1,889)	1:112:A:LEU:HD21	1:113:A:ARG:HD2	3	1.11	0.23	1.1
(1,889)	1:112:A:LEU:HD21	1:113:A:ARG:HD3	3	1.11	0.23	1.1
(1,889)	1:112:A:LEU:HD22	1:113:A:ARG:HD2	3	1.11	0.23	1.1
(1,889)	1:112:A:LEU:HD22	1:113:A:ARG:HD3	3	1.11	0.23	1.1
(1,889)	1:112:A:LEU:HD23	1:113:A:ARG:HD2	3	1.11	0.23	1.1
(1,889)	1:112:A:LEU:HD23	1:113:A:ARG:HD3	3	1.11	0.23	1.1
(1,678)	1:45:A:LEU:HG	1:50:A:LEU:HD21	3	1.0	0.29	0.94
(1,678)	1:45:A:LEU:HG	1:50:A:LEU:HD22	3	1.0	0.29	0.94
(1,678)	1:45:A:LEU:HG	1:50:A:LEU:HD23	3	1.0	0.29	0.94
(1,591)	1:80:A:GLU:HG2	1:85:A:GLN:HB3	3	0.94	0.14	0.84
(1,591)	1:80:A:GLU:HG3	1:85:A:GLN:HB3	3	0.94	0.14	0.84
(1,1978)	1:50:A:LEU:HD21	1:53:A:LEU:H	3	0.93	0.05	0.92
(1,1978)	1:50:A:LEU:HD22	1:53:A:LEU:H	3	0.93	0.05	0.92
(1,1978)	1:50:A:LEU:HD23	1:53:A:LEU:H	3	0.93	0.05	0.92
(1,89)	1:29:A:SER:HA	1:32:A:ARG:HD3	3	0.9	0.2	0.88
(1,1057)	1:29:A:SER:HA	1:32:A:ARG:HB2	3	0.77	0.35	1.01
(1,350)	1:3:A:VAL:HB	1:112:A:LEU:HD11	3	0.71	0.28	0.77
(1,350)	1:3:A:VAL:HB	1:112:A:LEU:HD12	3	0.71	0.28	0.77
(1,350)	1:3:A:VAL:HB	1:112:A:LEU:HD13	3	0.71	0.28	0.77
(1,1103)	1:49:A:VAL:HB	1:50:A:LEU:HD21	3	0.65	0.06	0.69
(1,1103)	1:49:A:VAL:HB	1:50:A:LEU:HD22	3	0.65	0.06	0.69
(1,1103)	1:49:A:VAL:HB	1:50:A:LEU:HD23	3	0.65	0.06	0.69
(1,772)	1:75:A:VAL:HB	1:93:A:LEU:HD11	3	0.62	0.21	0.59
(1,772)	1:75:A:VAL:HB	1:93:A:LEU:HD12	3	0.62	0.21	0.59
(1,772)	1:75:A:VAL:HB	1:93:A:LEU:HD13	3	0.62	0.21	0.59

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,460)	1:24:A:VAL:HB	1:25:A:GLU:HG3	3	0.57	0.12	0.51
(1,884)	1:112:A:LEU:HA	1:112:A:LEU:HD21	3	0.55	0.07	0.59
(1,884)	1:112:A:LEU:HA	1:112:A:LEU:HD22	3	0.55	0.07	0.59
(1,884)	1:112:A:LEU:HA	1:112:A:LEU:HD23	3	0.55	0.07	0.59
(1,2477)	1:50:A:LEU:HD21	1:59:A:PHE:HE1	3	0.55	0.24	0.42
(1,2477)	1:50:A:LEU:HD21	1:59:A:PHE:HE2	3	0.55	0.24	0.42
(1,2477)	1:50:A:LEU:HD22	1:59:A:PHE:HE1	3	0.55	0.24	0.42
(1,2477)	1:50:A:LEU:HD22	1:59:A:PHE:HE2	3	0.55	0.24	0.42
(1,2477)	1:50:A:LEU:HD23	1:59:A:PHE:HE1	3	0.55	0.24	0.42
(1,2477)	1:50:A:LEU:HD23	1:59:A:PHE:HE2	3	0.55	0.24	0.42
(1,1765)	1:7:A:LEU:H	1:109:A:ASN:HB3	3	0.52	0.2	0.4
(1,373)	1:80:A:GLU:HG2	1:85:A:GLN:HG3	3	0.46	0.06	0.48
(1,373)	1:80:A:GLU:HG3	1:85:A:GLN:HG3	3	0.46	0.06	0.48
(1,2238)	1:20:A:PHE:H	1:98:A:PRO:HD2	3	0.42	0.2	0.43
(1,1317)	1:100:A:VAL:H	1:100:A:VAL:HG21	3	0.38	0.05	0.38
(1,1317)	1:100:A:VAL:H	1:100:A:VAL:HG22	3	0.38	0.05	0.38
(1,1317)	1:100:A:VAL:H	1:100:A:VAL:HG23	3	0.38	0.05	0.38
(1,1280)	1:95:A:VAL:HA	1:96:A:LEU:HB3	3	0.34	0.02	0.33
(1,763)	1:3:A:VAL:HG11	1:112:A:LEU:HD11	3	0.32	0.17	0.26
(1,763)	1:3:A:VAL:HG11	1:112:A:LEU:HD12	3	0.32	0.17	0.26
(1,763)	1:3:A:VAL:HG11	1:112:A:LEU:HD13	3	0.32	0.17	0.26
(1,763)	1:3:A:VAL:HG12	1:112:A:LEU:HD11	3	0.32	0.17	0.26
(1,763)	1:3:A:VAL:HG12	1:112:A:LEU:HD12	3	0.32	0.17	0.26
(1,763)	1:3:A:VAL:HG12	1:112:A:LEU:HD13	3	0.32	0.17	0.26
(1,763)	1:3:A:VAL:HG13	1:112:A:LEU:HD11	3	0.32	0.17	0.26
(1,763)	1:3:A:VAL:HG13	1:112:A:LEU:HD12	3	0.32	0.17	0.26
(1,763)	1:3:A:VAL:HG13	1:112:A:LEU:HD13	3	0.32	0.17	0.26
(1,763)	1:3:A:VAL:HG21	1:112:A:LEU:HD11	3	0.32	0.17	0.26
(1,763)	1:3:A:VAL:HG21	1:112:A:LEU:HD12	3	0.32	0.17	0.26
(1,763)	1:3:A:VAL:HG21	1:112:A:LEU:HD13	3	0.32	0.17	0.26
(1,763)	1:3:A:VAL:HG22	1:112:A:LEU:HD11	3	0.32	0.17	0.26
(1,763)	1:3:A:VAL:HG22	1:112:A:LEU:HD12	3	0.32	0.17	0.26
(1,763)	1:3:A:VAL:HG22	1:112:A:LEU:HD13	3	0.32	0.17	0.26
(1,763)	1:3:A:VAL:HG23	1:112:A:LEU:HD11	3	0.32	0.17	0.26
(1,763)	1:3:A:VAL:HG23	1:112:A:LEU:HD12	3	0.32	0.17	0.26
(1,763)	1:3:A:VAL:HG23	1:112:A:LEU:HD13	3	0.32	0.17	0.26
(1,1102)	1:50:A:LEU:HA	1:50:A:LEU:HD21	3	0.3	0.02	0.29
(1,1102)	1:50:A:LEU:HA	1:50:A:LEU:HD22	3	0.3	0.02	0.29
(1,1102)	1:50:A:LEU:HA	1:50:A:LEU:HD23	3	0.3	0.02	0.29
(1,17)	1:7:A:LEU:HB3	1:42:A:LEU:HB3	3	0.28	0.06	0.3
(1,5)	1:20:A:PHE:HA	1:98:A:PRO:HD2	3	0.26	0.14	0.21
(1,238)	1:24:A:VAL:HG21	1:25:A:GLU:HG3	3	0.24	0.01	0.24

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,238)	1:24:A:VAL:HG22	1:25:A:GLU:HG3	3	0.24	0.01	0.24
(1,238)	1:24:A:VAL:HG23	1:25:A:GLU:HG3	3	0.24	0.01	0.24
(1,1860)	1:61:A:LYS:H	1:76:A:GLU:HB2	3	0.22	0.08	0.21
(1,2458)	1:20:A:PHE:HD1	1:98:A:PRO:HD2	3	0.22	0.13	0.13
(1,2458)	1:20:A:PHE:HD2	1:98:A:PRO:HD2	3	0.22	0.13	0.13
(1,2440)	1:57:A:TYR:HD1	1:95:A:VAL:HG11	3	0.18	0.09	0.12
(1,2440)	1:57:A:TYR:HD1	1:95:A:VAL:HG12	3	0.18	0.09	0.12
(1,2440)	1:57:A:TYR:HD1	1:95:A:VAL:HG13	3	0.18	0.09	0.12
(1,2440)	1:57:A:TYR:HD2	1:95:A:VAL:HG11	3	0.18	0.09	0.12
(1,2440)	1:57:A:TYR:HD2	1:95:A:VAL:HG12	3	0.18	0.09	0.12
(1,2440)	1:57:A:TYR:HD2	1:95:A:VAL:HG13	3	0.18	0.09	0.12
(1,848)	1:42:A:LEU:HD21	1:94:A:GLY:HA3	3	0.17	0.05	0.17
(1,848)	1:42:A:LEU:HD22	1:94:A:GLY:HA3	3	0.17	0.05	0.17
(1,848)	1:42:A:LEU:HD23	1:94:A:GLY:HA3	3	0.17	0.05	0.17
(1,822)	1:66:A:LEU:HB3	1:66:A:LEU:HD11	3	0.16	0.0	0.16
(1,822)	1:66:A:LEU:HB3	1:66:A:LEU:HD12	3	0.16	0.0	0.16
(1,822)	1:66:A:LEU:HB3	1:66:A:LEU:HD13	3	0.16	0.0	0.16
(1,136)	1:108:A:ARG:HB2	1:108:A:ARG:HD3	3	0.16	0.03	0.14
(1,1395)	1:65:A:ALA:HB1	1:66:A:LEU:HG	3	0.11	0.01	0.11
(1,1395)	1:65:A:ALA:HB2	1:66:A:LEU:HG	3	0.11	0.01	0.11
(1,1395)	1:65:A:ALA:HB3	1:66:A:LEU:HG	3	0.11	0.01	0.11
(1,1291)	1:3:A:VAL:HG11	1:112:A:LEU:HB2	3	0.11	0.01	0.12
(1,1291)	1:3:A:VAL:HG12	1:112:A:LEU:HB2	3	0.11	0.01	0.12
(1,1291)	1:3:A:VAL:HG13	1:112:A:LEU:HB2	3	0.11	0.01	0.12
(1,1291)	1:3:A:VAL:HG21	1:112:A:LEU:HB2	3	0.11	0.01	0.12
(1,1291)	1:3:A:VAL:HG22	1:112:A:LEU:HB2	3	0.11	0.01	0.12
(1,1291)	1:3:A:VAL:HG23	1:112:A:LEU:HB2	3	0.11	0.01	0.12
(1,2445)	1:86:A:TYR:HD1	1:91:A:ILE:HG21	3	0.11	0.0	0.11
(1,2445)	1:86:A:TYR:HD1	1:91:A:ILE:HG22	3	0.11	0.0	0.11
(1,2445)	1:86:A:TYR:HD1	1:91:A:ILE:HG23	3	0.11	0.0	0.11
(1,2445)	1:86:A:TYR:HD2	1:91:A:ILE:HG21	3	0.11	0.0	0.11
(1,2445)	1:86:A:TYR:HD2	1:91:A:ILE:HG22	3	0.11	0.0	0.11
(1,2445)	1:86:A:TYR:HD2	1:91:A:ILE:HG23	3	0.11	0.0	0.11
(1,162)	1:61:A:LYS:HE2	1:78:A:VAL:HB	3	0.11	0.0	0.11
(1,162)	1:61:A:LYS:HE3	1:78:A:VAL:HB	3	0.11	0.0	0.11
(1,287)	1:61:A:LYS:HD2	1:78:A:VAL:HB	3	0.11	0.0	0.11
(1,287)	1:61:A:LYS:HD3	1:78:A:VAL:HB	3	0.11	0.0	0.11
(1,2519)	1:50:A:LEU:HA	1:57:A:TYR:HE1	3	0.11	0.0	0.11
(1,2519)	1:50:A:LEU:HA	1:57:A:TYR:HE2	3	0.11	0.0	0.11
(1,86)	1:88:A:ARG:HA	1:88:A:ARG:HD2	3	0.1	0.0	0.1
(1,86)	1:88:A:ARG:HA	1:88:A:ARG:HD3	3	0.1	0.0	0.1
(1,1628)	1:76:A:GLU:HA	1:113:A:ARG:HD2	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)
(1,1628)	1:76:A:GLU:HA	1:113:A:ARG:HD3	3	0.1	0.0	0.1
(1,1681)	1:65:A:ALA:HA	1:66:A:LEU:HD11	3	0.1	0.0	0.1
(1,1681)	1:65:A:ALA:HA	1:66:A:LEU:HD12	3	0.1	0.0	0.1
(1,1681)	1:65:A:ALA:HA	1:66:A:LEU:HD13	3	0.1	0.0	0.1
(1,773)	1:31:A:ALA:HA	1:77:A:LEU:HD11	3	0.1	0.0	0.1
(1,773)	1:31:A:ALA:HA	1:77:A:LEU:HD12	3	0.1	0.0	0.1
(1,773)	1:31:A:ALA:HA	1:77:A:LEU:HD13	3	0.1	0.0	0.1
(1,2454)	1:59:A:PHE:HD1	1:95:A:VAL:HB	3	0.1	0.0	0.1
(1,2454)	1:59:A:PHE:HD2	1:95:A:VAL:HB	3	0.1	0.0	0.1
(1,723)	1:52:A:GLN:HG3	1:53:A:LEU:HD21	2	1.84	0.48	1.84
(1,723)	1:52:A:GLN:HG3	1:53:A:LEU:HD22	2	1.84	0.48	1.84
(1,723)	1:52:A:GLN:HG3	1:53:A:LEU:HD23	2	1.84	0.48	1.84
(1,1886)	1:63:A:SER:HB2	1:65:A:ALA:H	2	1.46	0.06	1.46
(1,2529)	1:6:A:SER:HB2	1:107:A:TYR:HE1	2	1.21	0.04	1.21
(1,2529)	1:6:A:SER:HB2	1:107:A:TYR:HE2	2	1.21	0.04	1.21
(1,321)	1:33:A:GLU:HG3	1:36:A:LYS:HE2	2	1.06	0.52	1.06
(1,321)	1:33:A:GLU:HG3	1:36:A:LYS:HE3	2	1.06	0.52	1.06
(1,509)	1:38:A:GLY:HA2	1:40:A:CYS:HB2	2	0.92	0.04	0.92
(1,509)	1:38:A:GLY:HA3	1:40:A:CYS:HB2	2	0.92	0.04	0.92
(1,801)	1:15:A:VAL:HA	1:16:A:LEU:HB2	2	0.88	0.0	0.88
(1,639)	1:23:A:SER:HB2	1:24:A:VAL:HG21	2	0.81	0.08	0.81
(1,639)	1:23:A:SER:HB2	1:24:A:VAL:HG22	2	0.81	0.08	0.81
(1,639)	1:23:A:SER:HB2	1:24:A:VAL:HG23	2	0.81	0.08	0.81
(1,2367)	1:39:A:THR:H	1:40:A:CYS:HB2	2	0.77	0.0	0.77
(1,842)	1:112:A:LEU:HD11	1:114:A:LYS:HG2	2	0.66	0.56	0.66
(1,842)	1:112:A:LEU:HD11	1:114:A:LYS:HG3	2	0.66	0.56	0.66
(1,842)	1:112:A:LEU:HD12	1:114:A:LYS:HG2	2	0.66	0.56	0.66
(1,842)	1:112:A:LEU:HD12	1:114:A:LYS:HG3	2	0.66	0.56	0.66
(1,842)	1:112:A:LEU:HD13	1:114:A:LYS:HG2	2	0.66	0.56	0.66
(1,842)	1:112:A:LEU:HD13	1:114:A:LYS:HG3	2	0.66	0.56	0.66
(1,590)	1:85:A:GLN:HB3	1:86:A:TYR:HE1	2	0.64	0.08	0.64
(1,590)	1:85:A:GLN:HB3	1:86:A:TYR:HE2	2	0.64	0.08	0.64
(1,2436)	1:6:A:SER:HB2	1:107:A:TYR:HD1	2	0.64	0.02	0.64
(1,2436)	1:6:A:SER:HB2	1:107:A:TYR:HD2	2	0.64	0.02	0.64
(1,964)	1:16:A:LEU:HA	1:16:A:LEU:HD21	2	0.52	0.38	0.52
(1,964)	1:16:A:LEU:HA	1:16:A:LEU:HD22	2	0.52	0.38	0.52
(1,964)	1:16:A:LEU:HA	1:16:A:LEU:HD23	2	0.52	0.38	0.52
(1,1403)	1:28:A:LEU:HA	1:28:A:LEU:HD21	2	0.5	0.05	0.5
(1,1403)	1:28:A:LEU:HA	1:28:A:LEU:HD22	2	0.5	0.05	0.5
(1,1403)	1:28:A:LEU:HA	1:28:A:LEU:HD23	2	0.5	0.05	0.5
(1,1247)	1:39:A:THR:HA	1:40:A:CYS:HB2	2	0.43	0.04	0.43
(1,1885)	1:65:A:ALA:H	1:66:A:LEU:HD21	2	0.42	0.32	0.42

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1885)	1:65:A:ALA:H	1:66:A:LEU:HD22	2	0.42	0.32	0.42
(1,1885)	1:65:A:ALA:H	1:66:A:LEU:HD23	2	0.42	0.32	0.42
(1,213)	1:82:A:ASP:HB3	1:84:A:ILE:HB	2	0.41	0.01	0.41
(1,909)	1:28:A:LEU:HD21	1:77:A:LEU:HA	2	0.4	0.06	0.4
(1,909)	1:28:A:LEU:HD22	1:77:A:LEU:HA	2	0.4	0.06	0.4
(1,909)	1:28:A:LEU:HD23	1:77:A:LEU:HA	2	0.4	0.06	0.4
(1,2450)	1:59:A:PHE:HD1	1:86:A:TYR:HB3	2	0.39	0.16	0.39
(1,2450)	1:59:A:PHE:HD2	1:86:A:TYR:HB3	2	0.39	0.16	0.39
(1,1464)	1:42:A:LEU:HD11	1:44:A:GLU:HA	2	0.36	0.21	0.36
(1,1464)	1:42:A:LEU:HD12	1:44:A:GLU:HA	2	0.36	0.21	0.36
(1,1464)	1:42:A:LEU:HD13	1:44:A:GLU:HA	2	0.36	0.21	0.36
(1,2384)	1:85:A:GLN:HB3	1:87:A:GLY:H	2	0.35	0.18	0.35
(1,1076)	1:58:A:VAL:HG21	1:79:A:ALA:H	2	0.35	0.22	0.35
(1,1076)	1:58:A:VAL:HG22	1:79:A:ALA:H	2	0.35	0.22	0.35
(1,1076)	1:58:A:VAL:HG23	1:79:A:ALA:H	2	0.35	0.22	0.35
(1,1256)	1:25:A:GLU:HA	1:28:A:LEU:HD11	2	0.35	0.09	0.35
(1,1256)	1:25:A:GLU:HA	1:28:A:LEU:HD12	2	0.35	0.09	0.35
(1,1256)	1:25:A:GLU:HA	1:28:A:LEU:HD13	2	0.35	0.09	0.35
(1,66)	1:10:A:LEU:HG	1:41:A:GLY:HA2	2	0.34	0.24	0.34
(1,2509)	1:2:A:HIS:HD2	1:74:A:VAL:HG21	2	0.34	0.12	0.34
(1,2509)	1:2:A:HIS:HD2	1:74:A:VAL:HG22	2	0.34	0.12	0.34
(1,2509)	1:2:A:HIS:HD2	1:74:A:VAL:HG23	2	0.34	0.12	0.34
(1,224)	1:10:A:LEU:HD11	1:102:A:GLU:HG2	2	0.34	0.01	0.34
(1,224)	1:10:A:LEU:HD12	1:102:A:GLU:HG2	2	0.34	0.01	0.34
(1,224)	1:10:A:LEU:HD13	1:102:A:GLU:HG2	2	0.34	0.01	0.34
(1,192)	1:109:A:ASN:H	1:109:A:ASN:HB2	2	0.32	0.01	0.32
(1,864)	1:6:A:SER:HB3	1:110:A:VAL:H	2	0.32	0.0	0.32
(1,2267)	1:32:A:ARG:H	1:32:A:ARG:HB2	2	0.3	0.06	0.3
(1,1593)	1:54:A:GLU:HA	1:54:A:GLU:HG2	2	0.3	0.01	0.3
(1,113)	1:18:A:ARG:H	1:18:A:ARG:HD3	2	0.29	0.05	0.29
(1,173)	1:45:A:LEU:HB3	1:94:A:GLY:HA2	2	0.29	0.04	0.29
(1,90)	1:32:A:ARG:HA	1:32:A:ARG:HD3	2	0.29	0.14	0.29
(1,872)	1:36:A:LYS:HG3	1:37:A:ASN:H	2	0.26	0.12	0.26
(1,1759)	1:16:A:LEU:H	1:102:A:GLU:HG2	2	0.26	0.08	0.26
(1,493)	1:35:A:LEU:HA	1:40:A:CYS:HB2	2	0.23	0.0	0.23
(1,88)	1:32:A:ARG:H	1:32:A:ARG:HD3	2	0.22	0.04	0.22
(1,1456)	1:20:A:PHE:HB3	1:31:A:ALA:HB1	2	0.21	0.02	0.21
(1,1456)	1:20:A:PHE:HB3	1:31:A:ALA:HB2	2	0.21	0.02	0.21
(1,1456)	1:20:A:PHE:HB3	1:31:A:ALA:HB3	2	0.21	0.02	0.21
(1,2305)	1:52:A:GLN:H	1:53:A:LEU:HB3	2	0.21	0.04	0.21
(1,1623)	1:55:A:GLN:HE22	1:82:A:ASP:HA	2	0.2	0.02	0.2
(1,374)	1:114:A:LYS:H	1:114:A:LYS:HB3	2	0.18	0.08	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,7)	1:20:A:PHE:HZ	1:98:A:PRO:HD2	2	0.18	0.08	0.18
(1,1477)	1:17:A:VAL:HG11	1:18:A:ARG:HA	2	0.16	0.05	0.16
(1,1477)	1:17:A:VAL:HG12	1:18:A:ARG:HA	2	0.16	0.05	0.16
(1,1477)	1:17:A:VAL:HG13	1:18:A:ARG:HA	2	0.16	0.05	0.16
(1,1489)	1:97:A:VAL:HG21	1:98:A:PRO:HD3	2	0.15	0.04	0.15
(1,1489)	1:97:A:VAL:HG22	1:98:A:PRO:HD3	2	0.15	0.04	0.15
(1,1489)	1:97:A:VAL:HG23	1:98:A:PRO:HD3	2	0.15	0.04	0.15
(1,105)	1:18:A:ARG:HD3	1:53:A:LEU:HA	2	0.14	0.0	0.14
(1,317)	1:33:A:GLU:HG3	1:34:A:HIS:H	2	0.14	0.02	0.14
(1,1356)	1:12:A:VAL:HG11	1:13:A:ARG:HD2	2	0.13	0.0	0.13
(1,1356)	1:12:A:VAL:HG11	1:13:A:ARG:HD3	2	0.13	0.0	0.13
(1,1356)	1:12:A:VAL:HG12	1:13:A:ARG:HD2	2	0.13	0.0	0.13
(1,1356)	1:12:A:VAL:HG12	1:13:A:ARG:HD3	2	0.13	0.0	0.13
(1,1356)	1:12:A:VAL:HG13	1:13:A:ARG:HD2	2	0.13	0.0	0.13
(1,1356)	1:12:A:VAL:HG13	1:13:A:ARG:HD3	2	0.13	0.0	0.13
(1,1544)	1:3:A:VAL:HG11	1:114:A:LYS:HA	2	0.12	0.01	0.12
(1,1544)	1:3:A:VAL:HG12	1:114:A:LYS:HA	2	0.12	0.01	0.12
(1,1544)	1:3:A:VAL:HG13	1:114:A:LYS:HA	2	0.12	0.01	0.12
(1,1544)	1:3:A:VAL:HG21	1:114:A:LYS:HA	2	0.12	0.01	0.12
(1,1544)	1:3:A:VAL:HG22	1:114:A:LYS:HA	2	0.12	0.01	0.12
(1,1544)	1:3:A:VAL:HG23	1:114:A:LYS:HA	2	0.12	0.01	0.12
(1,2506)	1:70:A:HIS:HB2	1:70:A:HIS:HD2	2	0.12	0.02	0.12
(1,781)	1:93:A:LEU:HD11	1:94:A:GLY:H	2	0.12	0.02	0.12
(1,781)	1:93:A:LEU:HD12	1:94:A:GLY:H	2	0.12	0.02	0.12
(1,781)	1:93:A:LEU:HD13	1:94:A:GLY:H	2	0.12	0.02	0.12
(1,110)	1:18:A:ARG:HA	1:18:A:ARG:HD2	2	0.12	0.0	0.12
(1,1053)	1:12:A:VAL:HG21	1:53:A:LEU:HG	2	0.12	0.0	0.12
(1,1053)	1:12:A:VAL:HG22	1:53:A:LEU:HG	2	0.12	0.0	0.12
(1,1053)	1:12:A:VAL:HG23	1:53:A:LEU:HG	2	0.12	0.0	0.12
(1,1127)	1:24:A:VAL:HG11	1:79:A:ALA:HB1	2	0.12	0.0	0.12
(1,1127)	1:24:A:VAL:HG11	1:79:A:ALA:HB2	2	0.12	0.0	0.12
(1,1127)	1:24:A:VAL:HG11	1:79:A:ALA:HB3	2	0.12	0.0	0.12
(1,1127)	1:24:A:VAL:HG12	1:79:A:ALA:HB1	2	0.12	0.0	0.12
(1,1127)	1:24:A:VAL:HG12	1:79:A:ALA:HB2	2	0.12	0.0	0.12
(1,1127)	1:24:A:VAL:HG12	1:79:A:ALA:HB3	2	0.12	0.0	0.12
(1,1127)	1:24:A:VAL:HG13	1:79:A:ALA:HB1	2	0.12	0.0	0.12
(1,1127)	1:24:A:VAL:HG13	1:79:A:ALA:HB2	2	0.12	0.0	0.12
(1,1127)	1:24:A:VAL:HG13	1:79:A:ALA:HB3	2	0.12	0.0	0.12
(1,589)	1:24:A:VAL:HG11	1:25:A:GLU:HB2	2	0.11	0.0	0.11
(1,589)	1:24:A:VAL:HG12	1:25:A:GLU:HB2	2	0.11	0.0	0.11
(1,589)	1:24:A:VAL:HG13	1:25:A:GLU:HB2	2	0.11	0.0	0.11
(1,687)	1:28:A:LEU:H	1:28:A:LEU:HG	2	0.11	0.0	0.11

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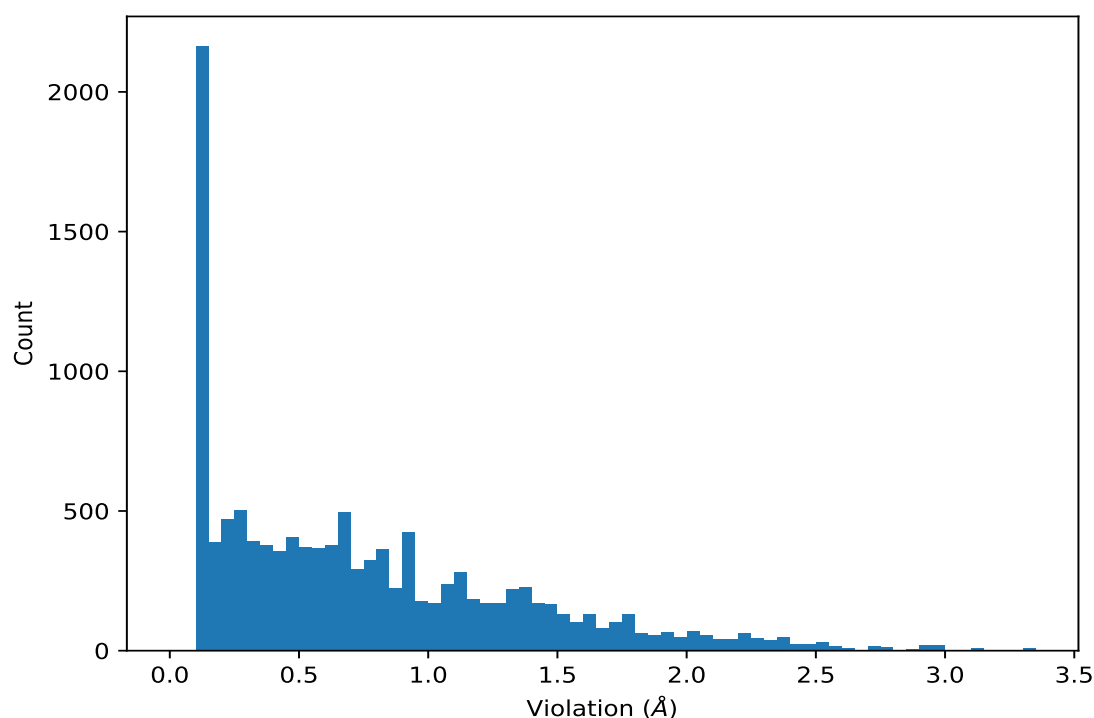
Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1316)	1:17:A:VAL:HG21	1:98:A:PRO:HG2	2	0.11	0.0	0.11
(1,1316)	1:17:A:VAL:HG22	1:98:A:PRO:HG2	2	0.11	0.0	0.11
(1,1316)	1:17:A:VAL:HG23	1:98:A:PRO:HG2	2	0.11	0.0	0.11
(1,1548)	1:84:A:ILE:HG21	1:85:A:GLN:HA	2	0.11	0.0	0.11
(1,1548)	1:84:A:ILE:HG22	1:85:A:GLN:HA	2	0.11	0.0	0.11
(1,1548)	1:84:A:ILE:HG23	1:85:A:GLN:HA	2	0.11	0.0	0.11
(1,2133)	1:57:A:TYR:H	1:95:A:VAL:HG21	2	0.11	0.0	0.11
(1,2133)	1:57:A:TYR:H	1:95:A:VAL:HG22	2	0.11	0.0	0.11
(1,2133)	1:57:A:TYR:H	1:95:A:VAL:HG23	2	0.11	0.0	0.11
(1,2522)	1:53:A:LEU:HG	1:57:A:TYR:HE1	2	0.11	0.0	0.11
(1,2522)	1:53:A:LEU:HG	1:57:A:TYR:HE2	2	0.11	0.0	0.11
(1,419)	1:62:A:ARG:HD2	1:73:A:LYS:HB2	2	0.11	0.0	0.11
(1,419)	1:62:A:ARG:HD2	1:73:A:LYS:HB3	2	0.11	0.0	0.11
(1,419)	1:62:A:ARG:HD3	1:73:A:LYS:HB2	2	0.11	0.0	0.11
(1,419)	1:62:A:ARG:HD3	1:73:A:LYS:HB3	2	0.11	0.0	0.11
(1,1469)	1:31:A:ALA:HB1	1:77:A:LEU:HA	2	0.11	0.0	0.11
(1,1469)	1:31:A:ALA:HB2	1:77:A:LEU:HA	2	0.11	0.0	0.11
(1,1469)	1:31:A:ALA:HB3	1:77:A:LEU:HA	2	0.11	0.0	0.11
(1,1614)	1:27:A:ALA:HA	1:79:A:ALA:HB1	2	0.11	0.0	0.11
(1,1614)	1:27:A:ALA:HA	1:79:A:ALA:HB2	2	0.11	0.0	0.11
(1,1614)	1:27:A:ALA:HA	1:79:A:ALA:HB3	2	0.11	0.0	0.11
(1,1698)	1:86:A:TYR:HA	1:91:A:ILE:HD11	2	0.11	0.0	0.11
(1,1698)	1:86:A:TYR:HA	1:91:A:ILE:HD12	2	0.11	0.0	0.11
(1,1698)	1:86:A:TYR:HA	1:91:A:ILE:HD13	2	0.11	0.0	0.11
(1,831)	1:32:A:ARG:HA	1:77:A:LEU:HD21	2	0.1	0.0	0.1
(1,831)	1:32:A:ARG:HA	1:77:A:LEU:HD22	2	0.1	0.0	0.1
(1,831)	1:32:A:ARG:HA	1:77:A:LEU:HD23	2	0.1	0.0	0.1
(1,1277)	1:39:A:THR:HA	1:39:A:THR:HG21	2	0.1	0.0	0.1
(1,1277)	1:39:A:THR:HA	1:39:A:THR:HG22	2	0.1	0.0	0.1
(1,1277)	1:39:A:THR:HA	1:39:A:THR:HG23	2	0.1	0.0	0.1
(1,1595)	1:80:A:GLU:HA	1:86:A:TYR:HD1	2	0.1	0.0	0.1
(1,1595)	1:80:A:GLU:HA	1:86:A:TYR:HD2	2	0.1	0.0	0.1
(1,1640)	1:5:A:LEU:HA	1:111:A:LEU:HA	2	0.1	0.0	0.1

¹Number of violated models, ²Standard 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)
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD21	7	3.31
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD22	7	3.31
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD23	7	3.31
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD21	7	3.31
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD22	7	3.31
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD23	7	3.31
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD21	7	3.31
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD22	7	3.31
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD23	7	3.31
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD21	17	3.1
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD22	17	3.1
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD23	17	3.1
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD21	17	3.1
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD22	17	3.1
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD23	17	3.1
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD21	17	3.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD22	17	3.1
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD23	17	3.1
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD21	4	2.98
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD22	4	2.98
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD23	4	2.98
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD21	4	2.98
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD22	4	2.98
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD23	4	2.98
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD21	4	2.98
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD22	4	2.98
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD23	4	2.98
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD21	11	2.98
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD22	11	2.98
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD23	11	2.98
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD21	11	2.98
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD22	11	2.98
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD23	11	2.98
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD21	11	2.98
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD22	11	2.98
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD23	11	2.98
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD21	6	2.93
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD22	6	2.93
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD23	6	2.93
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD21	6	2.93
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD22	6	2.93
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD23	6	2.93
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD21	6	2.93
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD22	6	2.93
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD23	6	2.93
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD21	15	2.91
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD22	15	2.91
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD23	15	2.91
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD21	15	2.91
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD22	15	2.91
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD23	15	2.91
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD21	15	2.91
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD22	15	2.91
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD23	15	2.91
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD21	7	2.89
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD22	7	2.89
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD23	7	2.89
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD21	7	2.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD22	7	2.88
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD23	7	2.88
(1,883)	1:76:A:GLU:HA	1:112:A:LEU:HD21	10	2.82
(1,883)	1:76:A:GLU:HA	1:112:A:LEU:HD22	10	2.82
(1,883)	1:76:A:GLU:HA	1:112:A:LEU:HD23	10	2.82
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD21	14	2.79
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD22	14	2.79
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD23	14	2.79
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD21	3	2.78
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD22	3	2.78
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD23	3	2.78
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD21	3	2.78
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD22	3	2.78
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD23	3	2.78
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD21	3	2.78
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD22	3	2.78
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD23	3	2.78
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD21	1	2.72
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD22	1	2.72
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD23	1	2.72
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD21	1	2.72
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD22	1	2.72
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD23	1	2.72
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD21	1	2.72
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD22	1	2.72
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD23	1	2.72
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD21	1	2.72
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD22	1	2.72
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD23	1	2.72
(1,707)	1:42:A:LEU:HD11	1:108:A:ARG:HG2	19	2.71
(1,707)	1:42:A:LEU:HD12	1:108:A:ARG:HG2	19	2.71
(1,707)	1:42:A:LEU:HD13	1:108:A:ARG:HG2	19	2.71
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD21	17	2.66
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD22	17	2.66
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD23	17	2.66
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD21	11	2.63
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD22	11	2.63
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD23	11	2.63
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD21	17	2.62
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD22	17	2.62
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD23	17	2.62
(1,225)	1:100:A:VAL:HG11	1:102:A:GLU:HG3	16	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,225)	1:100:A:VAL:HG12	1:102:A:GLU:HG3	16	2.61
(1,225)	1:100:A:VAL:HG13	1:102:A:GLU:HG3	16	2.61
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD21	14	2.59
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD22	14	2.59
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD23	14	2.59
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD21	14	2.59
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD22	14	2.59
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD23	14	2.59
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD21	14	2.59
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD22	14	2.59
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD23	14	2.59
(1,135)	1:42:A:LEU:HD11	1:108:A:ARG:HD3	4	2.58
(1,135)	1:42:A:LEU:HD12	1:108:A:ARG:HD3	4	2.58
(1,135)	1:42:A:LEU:HD13	1:108:A:ARG:HD3	4	2.58
(1,133)	1:42:A:LEU:HD11	1:108:A:ARG:HD2	10	2.56
(1,133)	1:42:A:LEU:HD12	1:108:A:ARG:HD2	10	2.56
(1,133)	1:42:A:LEU:HD13	1:108:A:ARG:HD2	10	2.56
(1,707)	1:42:A:LEU:HD11	1:108:A:ARG:HG2	4	2.55
(1,707)	1:42:A:LEU:HD12	1:108:A:ARG:HG2	4	2.55
(1,707)	1:42:A:LEU:HD13	1:108:A:ARG:HG2	4	2.55
(1,707)	1:42:A:LEU:HD11	1:108:A:ARG:HG2	1	2.54
(1,707)	1:42:A:LEU:HD12	1:108:A:ARG:HG2	1	2.54
(1,707)	1:42:A:LEU:HD13	1:108:A:ARG:HG2	1	2.54
(1,765)	1:42:A:LEU:HD11	1:108:A:ARG:HA	14	2.52
(1,765)	1:42:A:LEU:HD12	1:108:A:ARG:HA	14	2.52
(1,765)	1:42:A:LEU:HD13	1:108:A:ARG:HA	14	2.52
(1,135)	1:42:A:LEU:HD11	1:108:A:ARG:HD3	18	2.52
(1,135)	1:42:A:LEU:HD12	1:108:A:ARG:HD3	18	2.52
(1,135)	1:42:A:LEU:HD13	1:108:A:ARG:HD3	18	2.52
(1,135)	1:42:A:LEU:HD11	1:108:A:ARG:HD3	19	2.52
(1,135)	1:42:A:LEU:HD12	1:108:A:ARG:HD3	19	2.52
(1,135)	1:42:A:LEU:HD13	1:108:A:ARG:HD3	19	2.52
(1,494)	1:7:A:LEU:HD11	1:40:A:CYS:HB2	19	2.51
(1,494)	1:7:A:LEU:HD12	1:40:A:CYS:HB2	19	2.51
(1,494)	1:7:A:LEU:HD13	1:40:A:CYS:HB2	19	2.51
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG11	9	2.5
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG12	9	2.5
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG13	9	2.5
(1,765)	1:42:A:LEU:HD11	1:108:A:ARG:HA	15	2.5
(1,765)	1:42:A:LEU:HD12	1:108:A:ARG:HA	15	2.5
(1,765)	1:42:A:LEU:HD13	1:108:A:ARG:HA	15	2.5
(1,135)	1:42:A:LEU:HD11	1:108:A:ARG:HD3	1	2.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,135)	1:42:A:LEU:HD12	1:108:A:ARG:HD3	1	2.5
(1,135)	1:42:A:LEU:HD13	1:108:A:ARG:HD3	1	2.5
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD21	15	2.5
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD22	15	2.5
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD23	15	2.5
(1,707)	1:42:A:LEU:HD11	1:108:A:ARG:HG2	17	2.49
(1,707)	1:42:A:LEU:HD12	1:108:A:ARG:HG2	17	2.49
(1,707)	1:42:A:LEU:HD13	1:108:A:ARG:HG2	17	2.49
(1,135)	1:42:A:LEU:HD11	1:108:A:ARG:HD3	14	2.48
(1,135)	1:42:A:LEU:HD12	1:108:A:ARG:HD3	14	2.48
(1,135)	1:42:A:LEU:HD13	1:108:A:ARG:HD3	14	2.48
(1,765)	1:42:A:LEU:HD11	1:108:A:ARG:HA	16	2.47
(1,765)	1:42:A:LEU:HD12	1:108:A:ARG:HA	16	2.47
(1,765)	1:42:A:LEU:HD13	1:108:A:ARG:HA	16	2.47
(1,490)	1:112:A:LEU:HD21	1:113:A:ARG:HB3	5	2.47
(1,490)	1:112:A:LEU:HD22	1:113:A:ARG:HB3	5	2.47
(1,490)	1:112:A:LEU:HD23	1:113:A:ARG:HB3	5	2.47
(1,367)	1:76:A:GLU:HB2	1:112:A:LEU:HD21	19	2.47
(1,367)	1:76:A:GLU:HB2	1:112:A:LEU:HD22	19	2.47
(1,367)	1:76:A:GLU:HB2	1:112:A:LEU:HD23	19	2.47
(1,707)	1:42:A:LEU:HD11	1:108:A:ARG:HG2	8	2.46
(1,707)	1:42:A:LEU:HD12	1:108:A:ARG:HG2	8	2.46
(1,707)	1:42:A:LEU:HD13	1:108:A:ARG:HG2	8	2.46
(1,2075)	1:42:A:LEU:H	1:96:A:LEU:HD21	7	2.45
(1,2075)	1:42:A:LEU:H	1:96:A:LEU:HD22	7	2.45
(1,2075)	1:42:A:LEU:H	1:96:A:LEU:HD23	7	2.45
(1,1360)	1:63:A:SER:HA	1:74:A:VAL:HG21	14	2.45
(1,1360)	1:63:A:SER:HA	1:74:A:VAL:HG22	14	2.45
(1,1360)	1:63:A:SER:HA	1:74:A:VAL:HG23	14	2.45
(1,133)	1:42:A:LEU:HD11	1:108:A:ARG:HD2	16	2.44
(1,133)	1:42:A:LEU:HD12	1:108:A:ARG:HD2	16	2.44
(1,133)	1:42:A:LEU:HD13	1:108:A:ARG:HD2	16	2.44
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD21	11	2.44
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD22	11	2.44
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD23	11	2.44
(1,371)	1:76:A:GLU:HB3	1:112:A:LEU:HD21	10	2.43
(1,371)	1:76:A:GLU:HB3	1:112:A:LEU:HD22	10	2.43
(1,371)	1:76:A:GLU:HB3	1:112:A:LEU:HD23	10	2.43
(1,765)	1:42:A:LEU:HD11	1:108:A:ARG:HA	19	2.42
(1,765)	1:42:A:LEU:HD12	1:108:A:ARG:HA	19	2.42
(1,765)	1:42:A:LEU:HD13	1:108:A:ARG:HA	19	2.42
(1,765)	1:42:A:LEU:HD11	1:108:A:ARG:HA	18	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,765)	1:42:A:LEU:HD12	1:108:A:ARG:HA	18	2.41
(1,765)	1:42:A:LEU:HD13	1:108:A:ARG:HA	18	2.41
(1,490)	1:112:A:LEU:HD21	1:113:A:ARG:HB3	1	2.41
(1,490)	1:112:A:LEU:HD22	1:113:A:ARG:HB3	1	2.41
(1,490)	1:112:A:LEU:HD23	1:113:A:ARG:HB3	1	2.41
(1,481)	1:112:A:LEU:HD21	1:113:A:ARG:HB2	5	2.41
(1,481)	1:112:A:LEU:HD22	1:113:A:ARG:HB2	5	2.41
(1,481)	1:112:A:LEU:HD23	1:113:A:ARG:HB2	5	2.41
(1,103)	1:18:A:ARG:HD2	1:53:A:LEU:HD11	17	2.41
(1,103)	1:18:A:ARG:HD2	1:53:A:LEU:HD12	17	2.41
(1,103)	1:18:A:ARG:HD2	1:53:A:LEU:HD13	17	2.41
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD21	15	2.4
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD22	15	2.4
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD23	15	2.4
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG11	8	2.4
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG12	8	2.4
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG13	8	2.4
(1,881)	1:77:A:LEU:H	1:112:A:LEU:HD21	10	2.4
(1,881)	1:77:A:LEU:H	1:112:A:LEU:HD22	10	2.4
(1,881)	1:77:A:LEU:H	1:112:A:LEU:HD23	10	2.4
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD21	1	2.39
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD22	1	2.39
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD23	1	2.39
(1,995)	1:15:A:VAL:HG21	1:18:A:ARG:HG3	10	2.38
(1,995)	1:15:A:VAL:HG22	1:18:A:ARG:HG3	10	2.38
(1,995)	1:15:A:VAL:HG23	1:18:A:ARG:HG3	10	2.38
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD21	12	2.38
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD22	12	2.38
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD23	12	2.38
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD21	12	2.38
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD22	12	2.38
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD23	12	2.38
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD21	12	2.38
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD22	12	2.38
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD23	12	2.38
(1,765)	1:42:A:LEU:HD11	1:108:A:ARG:HA	3	2.38
(1,765)	1:42:A:LEU:HD12	1:108:A:ARG:HA	3	2.38
(1,765)	1:42:A:LEU:HD13	1:108:A:ARG:HA	3	2.38
(1,765)	1:42:A:LEU:HD11	1:108:A:ARG:HA	12	2.38
(1,765)	1:42:A:LEU:HD12	1:108:A:ARG:HA	12	2.38
(1,765)	1:42:A:LEU:HD13	1:108:A:ARG:HA	12	2.38
(1,765)	1:42:A:LEU:HD11	1:108:A:ARG:HA	4	2.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,765)	1:42:A:LEU:HD12	1:108:A:ARG:HA	4	2.37
(1,765)	1:42:A:LEU:HD13	1:108:A:ARG:HA	4	2.37
(1,765)	1:42:A:LEU:HD11	1:108:A:ARG:HA	10	2.37
(1,765)	1:42:A:LEU:HD12	1:108:A:ARG:HA	10	2.37
(1,765)	1:42:A:LEU:HD13	1:108:A:ARG:HA	10	2.37
(1,1315)	1:16:A:LEU:HB2	1:17:A:VAL:HG21	11	2.36
(1,1315)	1:16:A:LEU:HB2	1:17:A:VAL:HG22	11	2.36
(1,1315)	1:16:A:LEU:HB2	1:17:A:VAL:HG23	11	2.36
(1,1315)	1:16:A:LEU:HB3	1:17:A:VAL:HG21	11	2.36
(1,1315)	1:16:A:LEU:HB3	1:17:A:VAL:HG22	11	2.36
(1,1315)	1:16:A:LEU:HB3	1:17:A:VAL:HG23	11	2.36
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD21	4	2.36
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD22	4	2.36
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD23	4	2.36
(1,2402)	1:15:A:VAL:HG21	1:19:A:GLY:H	17	2.35
(1,2402)	1:15:A:VAL:HG22	1:19:A:GLY:H	17	2.35
(1,2402)	1:15:A:VAL:HG23	1:19:A:GLY:H	17	2.35
(1,2402)	1:15:A:VAL:HG21	1:19:A:GLY:H	1	2.34
(1,2402)	1:15:A:VAL:HG22	1:19:A:GLY:H	1	2.34
(1,2402)	1:15:A:VAL:HG23	1:19:A:GLY:H	1	2.34
(1,1360)	1:63:A:SER:HA	1:74:A:VAL:HG21	19	2.34
(1,1360)	1:63:A:SER:HA	1:74:A:VAL:HG22	19	2.34
(1,1360)	1:63:A:SER:HA	1:74:A:VAL:HG23	19	2.34
(1,1360)	1:63:A:SER:HA	1:74:A:VAL:HG21	20	2.34
(1,1360)	1:63:A:SER:HA	1:74:A:VAL:HG22	20	2.34
(1,1360)	1:63:A:SER:HA	1:74:A:VAL:HG23	20	2.34
(1,225)	1:100:A:VAL:HG11	1:102:A:GLU:HG3	8	2.34
(1,225)	1:100:A:VAL:HG12	1:102:A:GLU:HG3	8	2.34
(1,225)	1:100:A:VAL:HG13	1:102:A:GLU:HG3	8	2.34
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD21	3	2.33
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD22	3	2.33
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD23	3	2.33
(1,707)	1:42:A:LEU:HD11	1:108:A:ARG:HG2	14	2.33
(1,707)	1:42:A:LEU:HD12	1:108:A:ARG:HG2	14	2.33
(1,707)	1:42:A:LEU:HD13	1:108:A:ARG:HG2	14	2.33
(1,707)	1:42:A:LEU:HD11	1:108:A:ARG:HG2	18	2.33
(1,707)	1:42:A:LEU:HD12	1:108:A:ARG:HG2	18	2.33
(1,707)	1:42:A:LEU:HD13	1:108:A:ARG:HG2	18	2.33
(1,494)	1:7:A:LEU:HD11	1:40:A:CYS:HB2	16	2.32
(1,494)	1:7:A:LEU:HD12	1:40:A:CYS:HB2	16	2.32
(1,494)	1:7:A:LEU:HD13	1:40:A:CYS:HB2	16	2.32
(1,2402)	1:15:A:VAL:HG21	1:19:A:GLY:H	18	2.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2402)	1:15:A:VAL:HG22	1:19:A:GLY:H	18	2.31
(1,2402)	1:15:A:VAL:HG23	1:19:A:GLY:H	18	2.31
(1,765)	1:42:A:LEU:HD11	1:108:A:ARG:HA	1	2.31
(1,765)	1:42:A:LEU:HD12	1:108:A:ARG:HA	1	2.31
(1,765)	1:42:A:LEU:HD13	1:108:A:ARG:HA	1	2.31
(1,723)	1:52:A:GLN:HG3	1:53:A:LEU:HD21	2	2.31
(1,723)	1:52:A:GLN:HG3	1:53:A:LEU:HD22	2	2.31
(1,723)	1:52:A:GLN:HG3	1:53:A:LEU:HD23	2	2.31
(1,103)	1:18:A:ARG:HD2	1:53:A:LEU:HD11	1	2.31
(1,103)	1:18:A:ARG:HD2	1:53:A:LEU:HD12	1	2.31
(1,103)	1:18:A:ARG:HD2	1:53:A:LEU:HD13	1	2.31
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD21	3	2.3
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD22	3	2.3
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD23	3	2.3
(1,494)	1:7:A:LEU:HD11	1:40:A:CYS:HB2	5	2.29
(1,494)	1:7:A:LEU:HD12	1:40:A:CYS:HB2	5	2.29
(1,494)	1:7:A:LEU:HD13	1:40:A:CYS:HB2	5	2.29
(1,133)	1:42:A:LEU:HD11	1:108:A:ARG:HD2	12	2.29
(1,133)	1:42:A:LEU:HD12	1:108:A:ARG:HD2	12	2.29
(1,133)	1:42:A:LEU:HD13	1:108:A:ARG:HD2	12	2.29
(1,2075)	1:42:A:LEU:H	1:96:A:LEU:HD21	17	2.27
(1,2075)	1:42:A:LEU:H	1:96:A:LEU:HD22	17	2.27
(1,2075)	1:42:A:LEU:H	1:96:A:LEU:HD23	17	2.27
(1,995)	1:15:A:VAL:HG21	1:18:A:ARG:HG3	20	2.27
(1,995)	1:15:A:VAL:HG22	1:18:A:ARG:HG3	20	2.27
(1,995)	1:15:A:VAL:HG23	1:18:A:ARG:HG3	20	2.27
(1,765)	1:42:A:LEU:HD11	1:108:A:ARG:HA	6	2.27
(1,765)	1:42:A:LEU:HD12	1:108:A:ARG:HA	6	2.27
(1,765)	1:42:A:LEU:HD13	1:108:A:ARG:HA	6	2.27
(1,995)	1:15:A:VAL:HG21	1:18:A:ARG:HG3	16	2.26
(1,995)	1:15:A:VAL:HG22	1:18:A:ARG:HG3	16	2.26
(1,995)	1:15:A:VAL:HG23	1:18:A:ARG:HG3	16	2.26
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD21	12	2.26
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD22	12	2.26
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD23	12	2.26
(1,803)	1:63:A:SER:HB2	1:74:A:VAL:HG21	14	2.26
(1,803)	1:63:A:SER:HB2	1:74:A:VAL:HG22	14	2.26
(1,803)	1:63:A:SER:HB2	1:74:A:VAL:HG23	14	2.26
(1,2402)	1:15:A:VAL:HG21	1:19:A:GLY:H	7	2.25
(1,2402)	1:15:A:VAL:HG22	1:19:A:GLY:H	7	2.25
(1,2402)	1:15:A:VAL:HG23	1:19:A:GLY:H	7	2.25
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD11	9	2.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD12	9	2.25
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD13	9	2.25
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD11	9	2.25
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD12	9	2.25
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD13	9	2.25
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD11	9	2.25
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD12	9	2.25
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD13	9	2.25
(1,1100)	1:58:A:VAL:HG21	1:77:A:LEU:HB3	10	2.25
(1,1100)	1:58:A:VAL:HG22	1:77:A:LEU:HB3	10	2.25
(1,1100)	1:58:A:VAL:HG23	1:77:A:LEU:HB3	10	2.25
(1,133)	1:42:A:LEU:HD11	1:108:A:ARG:HD2	20	2.25
(1,133)	1:42:A:LEU:HD12	1:108:A:ARG:HD2	20	2.25
(1,133)	1:42:A:LEU:HD13	1:108:A:ARG:HD2	20	2.25
(1,1581)	1:24:A:VAL:HG11	1:81:A:MET:HE1	19	2.24
(1,1581)	1:24:A:VAL:HG11	1:81:A:MET:HE2	19	2.24
(1,1581)	1:24:A:VAL:HG11	1:81:A:MET:HE3	19	2.24
(1,1581)	1:24:A:VAL:HG12	1:81:A:MET:HE1	19	2.24
(1,1581)	1:24:A:VAL:HG12	1:81:A:MET:HE2	19	2.24
(1,1581)	1:24:A:VAL:HG12	1:81:A:MET:HE3	19	2.24
(1,1581)	1:24:A:VAL:HG13	1:81:A:MET:HE1	19	2.24
(1,1581)	1:24:A:VAL:HG13	1:81:A:MET:HE2	19	2.24
(1,1581)	1:24:A:VAL:HG13	1:81:A:MET:HE3	19	2.24
(1,345)	1:50:A:LEU:HD21	1:95:A:VAL:HB	14	2.24
(1,345)	1:50:A:LEU:HD22	1:95:A:VAL:HB	14	2.24
(1,345)	1:50:A:LEU:HD23	1:95:A:VAL:HB	14	2.24
(1,135)	1:42:A:LEU:HD11	1:108:A:ARG:HD3	13	2.24
(1,135)	1:42:A:LEU:HD12	1:108:A:ARG:HD3	13	2.24
(1,135)	1:42:A:LEU:HD13	1:108:A:ARG:HD3	13	2.24
(1,1581)	1:24:A:VAL:HG11	1:81:A:MET:HE1	9	2.23
(1,1581)	1:24:A:VAL:HG11	1:81:A:MET:HE2	9	2.23
(1,1581)	1:24:A:VAL:HG11	1:81:A:MET:HE3	9	2.23
(1,1581)	1:24:A:VAL:HG12	1:81:A:MET:HE1	9	2.23
(1,1581)	1:24:A:VAL:HG12	1:81:A:MET:HE2	9	2.23
(1,1581)	1:24:A:VAL:HG12	1:81:A:MET:HE3	9	2.23
(1,1581)	1:24:A:VAL:HG13	1:81:A:MET:HE1	9	2.23
(1,1581)	1:24:A:VAL:HG13	1:81:A:MET:HE2	9	2.23
(1,1581)	1:24:A:VAL:HG13	1:81:A:MET:HE3	9	2.23
(1,1360)	1:63:A:SER:HA	1:74:A:VAL:HG21	8	2.23
(1,1360)	1:63:A:SER:HA	1:74:A:VAL:HG22	8	2.23
(1,1360)	1:63:A:SER:HA	1:74:A:VAL:HG23	8	2.23
(1,1077)	1:58:A:VAL:HG21	1:77:A:LEU:HA	17	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1077)	1:58:A:VAL:HG22	1:77:A:LEU:HA	17	2.23
(1,1077)	1:58:A:VAL:HG23	1:77:A:LEU:HA	17	2.23
(1,707)	1:42:A:LEU:HD11	1:108:A:ARG:HG2	13	2.23
(1,707)	1:42:A:LEU:HD12	1:108:A:ARG:HG2	13	2.23
(1,707)	1:42:A:LEU:HD13	1:108:A:ARG:HG2	13	2.23
(1,494)	1:7:A:LEU:HD11	1:40:A:CYS:HB2	4	2.23
(1,494)	1:7:A:LEU:HD12	1:40:A:CYS:HB2	4	2.23
(1,494)	1:7:A:LEU:HD13	1:40:A:CYS:HB2	4	2.23
(1,1169)	1:74:A:VAL:HG21	1:113:A:ARG:HD2	10	2.22
(1,1169)	1:74:A:VAL:HG21	1:113:A:ARG:HD3	10	2.22
(1,1169)	1:74:A:VAL:HG22	1:113:A:ARG:HD2	10	2.22
(1,1169)	1:74:A:VAL:HG22	1:113:A:ARG:HD3	10	2.22
(1,1169)	1:74:A:VAL:HG23	1:113:A:ARG:HD2	10	2.22
(1,1169)	1:74:A:VAL:HG23	1:113:A:ARG:HD3	10	2.22
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG11	9	2.22
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG12	9	2.22
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG13	9	2.22
(1,103)	1:18:A:ARG:HD2	1:53:A:LEU:HD11	18	2.22
(1,103)	1:18:A:ARG:HD2	1:53:A:LEU:HD12	18	2.22
(1,103)	1:18:A:ARG:HD2	1:53:A:LEU:HD13	18	2.22
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD21	14	2.22
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD22	14	2.22
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD23	14	2.22
(1,995)	1:15:A:VAL:HG21	1:18:A:ARG:HG3	2	2.21
(1,995)	1:15:A:VAL:HG22	1:18:A:ARG:HG3	2	2.21
(1,995)	1:15:A:VAL:HG23	1:18:A:ARG:HG3	2	2.21
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG11	18	2.21
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG12	18	2.21
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG13	18	2.21
(1,654)	1:42:A:LEU:HG	1:96:A:LEU:HD21	15	2.21
(1,654)	1:42:A:LEU:HG	1:96:A:LEU:HD22	15	2.21
(1,654)	1:42:A:LEU:HG	1:96:A:LEU:HD23	15	2.21
(1,1184)	1:63:A:SER:HB3	1:74:A:VAL:HG21	20	2.2
(1,1184)	1:63:A:SER:HB3	1:74:A:VAL:HG22	20	2.2
(1,1184)	1:63:A:SER:HB3	1:74:A:VAL:HG23	20	2.2
(1,733)	1:7:A:LEU:HD21	1:42:A:LEU:HB3	8	2.19
(1,733)	1:7:A:LEU:HD22	1:42:A:LEU:HB3	8	2.19
(1,733)	1:7:A:LEU:HD23	1:42:A:LEU:HB3	8	2.19
(1,2075)	1:42:A:LEU:H	1:96:A:LEU:HD21	14	2.18
(1,2075)	1:42:A:LEU:H	1:96:A:LEU:HD22	14	2.18
(1,2075)	1:42:A:LEU:H	1:96:A:LEU:HD23	14	2.18
(1,765)	1:42:A:LEU:HD11	1:108:A:ARG:HA	7	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,765)	1:42:A:LEU:HD12	1:108:A:ARG:HA	7	2.18
(1,765)	1:42:A:LEU:HD13	1:108:A:ARG:HA	7	2.18
(1,135)	1:42:A:LEU:HD11	1:108:A:ARG:HD3	8	2.18
(1,135)	1:42:A:LEU:HD12	1:108:A:ARG:HD3	8	2.18
(1,135)	1:42:A:LEU:HD13	1:108:A:ARG:HD3	8	2.18
(1,133)	1:42:A:LEU:HD11	1:108:A:ARG:HD2	15	2.18
(1,133)	1:42:A:LEU:HD12	1:108:A:ARG:HD2	15	2.18
(1,133)	1:42:A:LEU:HD13	1:108:A:ARG:HD2	15	2.18
(1,1241)	1:72:A:HIS:HB2	1:74:A:VAL:HG11	14	2.17
(1,1241)	1:72:A:HIS:HB2	1:74:A:VAL:HG12	14	2.17
(1,1241)	1:72:A:HIS:HB2	1:74:A:VAL:HG13	14	2.17
(1,1241)	1:72:A:HIS:HB3	1:74:A:VAL:HG11	14	2.17
(1,1241)	1:72:A:HIS:HB3	1:74:A:VAL:HG12	14	2.17
(1,1241)	1:72:A:HIS:HB3	1:74:A:VAL:HG13	14	2.17
(1,765)	1:42:A:LEU:HD11	1:108:A:ARG:HA	8	2.17
(1,765)	1:42:A:LEU:HD12	1:108:A:ARG:HA	8	2.17
(1,765)	1:42:A:LEU:HD13	1:108:A:ARG:HA	8	2.17
(1,734)	1:77:A:LEU:HA	1:96:A:LEU:HD11	12	2.17
(1,734)	1:77:A:LEU:HA	1:96:A:LEU:HD12	12	2.17
(1,734)	1:77:A:LEU:HA	1:96:A:LEU:HD13	12	2.17
(1,2075)	1:42:A:LEU:H	1:96:A:LEU:HD21	15	2.16
(1,2075)	1:42:A:LEU:H	1:96:A:LEU:HD22	15	2.16
(1,2075)	1:42:A:LEU:H	1:96:A:LEU:HD23	15	2.16
(1,1100)	1:58:A:VAL:HG21	1:77:A:LEU:HB3	8	2.15
(1,1100)	1:58:A:VAL:HG22	1:77:A:LEU:HB3	8	2.15
(1,1100)	1:58:A:VAL:HG23	1:77:A:LEU:HB3	8	2.15
(1,1064)	1:18:A:ARG:HA	1:53:A:LEU:HD11	1	2.15
(1,1064)	1:18:A:ARG:HA	1:53:A:LEU:HD12	1	2.15
(1,1064)	1:18:A:ARG:HA	1:53:A:LEU:HD13	1	2.15
(1,765)	1:42:A:LEU:HD11	1:108:A:ARG:HA	13	2.15
(1,765)	1:42:A:LEU:HD12	1:108:A:ARG:HA	13	2.15
(1,765)	1:42:A:LEU:HD13	1:108:A:ARG:HA	13	2.15
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD21	6	2.15
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD22	6	2.15
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD23	6	2.15
(1,2402)	1:15:A:VAL:HG21	1:19:A:GLY:H	11	2.14
(1,2402)	1:15:A:VAL:HG22	1:19:A:GLY:H	11	2.14
(1,2402)	1:15:A:VAL:HG23	1:19:A:GLY:H	11	2.14
(1,2402)	1:15:A:VAL:HG21	1:19:A:GLY:H	19	2.14
(1,2402)	1:15:A:VAL:HG22	1:19:A:GLY:H	19	2.14
(1,2402)	1:15:A:VAL:HG23	1:19:A:GLY:H	19	2.14
(1,1360)	1:63:A:SER:HA	1:74:A:VAL:HG21	1	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1360)	1:63:A:SER:HA	1:74:A:VAL:HG22	1	2.14
(1,1360)	1:63:A:SER:HA	1:74:A:VAL:HG23	1	2.14
(1,1064)	1:18:A:ARG:HA	1:53:A:LEU:HD11	16	2.14
(1,1064)	1:18:A:ARG:HA	1:53:A:LEU:HD12	16	2.14
(1,1064)	1:18:A:ARG:HA	1:53:A:LEU:HD13	16	2.14
(1,765)	1:42:A:LEU:HD11	1:108:A:ARG:HA	20	2.14
(1,765)	1:42:A:LEU:HD12	1:108:A:ARG:HA	20	2.14
(1,765)	1:42:A:LEU:HD13	1:108:A:ARG:HA	20	2.14
(1,135)	1:42:A:LEU:HD11	1:108:A:ARG:HD3	17	2.14
(1,135)	1:42:A:LEU:HD12	1:108:A:ARG:HD3	17	2.14
(1,135)	1:42:A:LEU:HD13	1:108:A:ARG:HD3	17	2.14
(1,2075)	1:42:A:LEU:H	1:96:A:LEU:HD21	1	2.13
(1,2075)	1:42:A:LEU:H	1:96:A:LEU:HD22	1	2.13
(1,2075)	1:42:A:LEU:H	1:96:A:LEU:HD23	1	2.13
(1,1360)	1:63:A:SER:HA	1:74:A:VAL:HG21	13	2.13
(1,1360)	1:63:A:SER:HA	1:74:A:VAL:HG22	13	2.13
(1,1360)	1:63:A:SER:HA	1:74:A:VAL:HG23	13	2.13
(1,765)	1:42:A:LEU:HD11	1:108:A:ARG:HA	11	2.13
(1,765)	1:42:A:LEU:HD12	1:108:A:ARG:HA	11	2.13
(1,765)	1:42:A:LEU:HD13	1:108:A:ARG:HA	11	2.13
(1,1186)	1:72:A:HIS:H	1:74:A:VAL:HG11	7	2.12
(1,1186)	1:72:A:HIS:H	1:74:A:VAL:HG12	7	2.12
(1,1186)	1:72:A:HIS:H	1:74:A:VAL:HG13	7	2.12
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD21	6	2.12
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD22	6	2.12
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD23	6	2.12
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG11	19	2.12
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG12	19	2.12
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG13	19	2.12
(1,1077)	1:58:A:VAL:HG21	1:77:A:LEU:HA	8	2.11
(1,1077)	1:58:A:VAL:HG22	1:77:A:LEU:HA	8	2.11
(1,1077)	1:58:A:VAL:HG23	1:77:A:LEU:HA	8	2.11
(1,133)	1:42:A:LEU:HD11	1:108:A:ARG:HD2	7	2.11
(1,133)	1:42:A:LEU:HD12	1:108:A:ARG:HD2	7	2.11
(1,133)	1:42:A:LEU:HD13	1:108:A:ARG:HD2	7	2.11
(1,2402)	1:15:A:VAL:HG21	1:19:A:GLY:H	6	2.09
(1,2402)	1:15:A:VAL:HG22	1:19:A:GLY:H	6	2.09
(1,2402)	1:15:A:VAL:HG23	1:19:A:GLY:H	6	2.09
(1,1100)	1:58:A:VAL:HG21	1:77:A:LEU:HB3	1	2.09
(1,1100)	1:58:A:VAL:HG22	1:77:A:LEU:HB3	1	2.09
(1,1100)	1:58:A:VAL:HG23	1:77:A:LEU:HB3	1	2.09
(1,803)	1:63:A:SER:HB2	1:74:A:VAL:HG21	13	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,803)	1:63:A:SER:HB2	1:74:A:VAL:HG22	13	2.09
(1,803)	1:63:A:SER:HB2	1:74:A:VAL:HG23	13	2.09
(1,1077)	1:58:A:VAL:HG21	1:77:A:LEU:HA	4	2.08
(1,1077)	1:58:A:VAL:HG22	1:77:A:LEU:HA	4	2.08
(1,1077)	1:58:A:VAL:HG23	1:77:A:LEU:HA	4	2.08
(1,1077)	1:58:A:VAL:HG21	1:77:A:LEU:HA	13	2.08
(1,1077)	1:58:A:VAL:HG22	1:77:A:LEU:HA	13	2.08
(1,1077)	1:58:A:VAL:HG23	1:77:A:LEU:HA	13	2.08
(1,765)	1:42:A:LEU:HD11	1:108:A:ARG:HA	17	2.08
(1,765)	1:42:A:LEU:HD12	1:108:A:ARG:HA	17	2.08
(1,765)	1:42:A:LEU:HD13	1:108:A:ARG:HA	17	2.08
(1,707)	1:42:A:LEU:HD11	1:108:A:ARG:HG2	5	2.08
(1,707)	1:42:A:LEU:HD12	1:108:A:ARG:HG2	5	2.08
(1,707)	1:42:A:LEU:HD13	1:108:A:ARG:HG2	5	2.08
(1,2402)	1:15:A:VAL:HG21	1:19:A:GLY:H	4	2.07
(1,2402)	1:15:A:VAL:HG22	1:19:A:GLY:H	4	2.07
(1,2402)	1:15:A:VAL:HG23	1:19:A:GLY:H	4	2.07
(1,1498)	1:112:A:LEU:HD21	1:113:A:ARG:HA	1	2.07
(1,1498)	1:112:A:LEU:HD22	1:113:A:ARG:HA	1	2.07
(1,1498)	1:112:A:LEU:HD23	1:113:A:ARG:HA	1	2.07
(1,654)	1:42:A:LEU:HG	1:96:A:LEU:HD21	4	2.07
(1,654)	1:42:A:LEU:HG	1:96:A:LEU:HD22	4	2.07
(1,654)	1:42:A:LEU:HG	1:96:A:LEU:HD23	4	2.07
(1,133)	1:42:A:LEU:HD11	1:108:A:ARG:HD2	11	2.07
(1,133)	1:42:A:LEU:HD12	1:108:A:ARG:HD2	11	2.07
(1,133)	1:42:A:LEU:HD13	1:108:A:ARG:HD2	11	2.07
(1,1941)	1:35:A:LEU:HD11	1:40:A:CYS:H	6	2.06
(1,1941)	1:35:A:LEU:HD12	1:40:A:CYS:H	6	2.06
(1,1941)	1:35:A:LEU:HD13	1:40:A:CYS:H	6	2.06
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD11	14	2.06
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD12	14	2.06
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD13	14	2.06
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD11	14	2.06
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD12	14	2.06
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD13	14	2.06
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD11	14	2.06
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD12	14	2.06
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD13	14	2.06
(1,1077)	1:58:A:VAL:HG21	1:77:A:LEU:HA	5	2.06
(1,1077)	1:58:A:VAL:HG22	1:77:A:LEU:HA	5	2.06
(1,1077)	1:58:A:VAL:HG23	1:77:A:LEU:HA	5	2.06
(1,1077)	1:58:A:VAL:HG21	1:77:A:LEU:HA	14	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1077)	1:58:A:VAL:HG22	1:77:A:LEU:HA	14	2.06
(1,1077)	1:58:A:VAL:HG23	1:77:A:LEU:HA	14	2.06
(1,765)	1:42:A:LEU:HD11	1:108:A:ARG:HA	2	2.06
(1,765)	1:42:A:LEU:HD12	1:108:A:ARG:HA	2	2.06
(1,765)	1:42:A:LEU:HD13	1:108:A:ARG:HA	2	2.06
(1,1077)	1:58:A:VAL:HG21	1:77:A:LEU:HA	1	2.05
(1,1077)	1:58:A:VAL:HG22	1:77:A:LEU:HA	1	2.05
(1,1077)	1:58:A:VAL:HG23	1:77:A:LEU:HA	1	2.05
(1,733)	1:7:A:LEU:HD21	1:42:A:LEU:HB3	11	2.05
(1,733)	1:7:A:LEU:HD22	1:42:A:LEU:HB3	11	2.05
(1,733)	1:7:A:LEU:HD23	1:42:A:LEU:HB3	11	2.05
(1,1360)	1:63:A:SER:HA	1:74:A:VAL:HG21	17	2.04
(1,1360)	1:63:A:SER:HA	1:74:A:VAL:HG22	17	2.04
(1,1360)	1:63:A:SER:HA	1:74:A:VAL:HG23	17	2.04
(1,1100)	1:58:A:VAL:HG21	1:77:A:LEU:HB3	9	2.04
(1,1100)	1:58:A:VAL:HG22	1:77:A:LEU:HB3	9	2.04
(1,1100)	1:58:A:VAL:HG23	1:77:A:LEU:HB3	9	2.04
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG11	10	2.04
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG12	10	2.04
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG13	10	2.04
(1,135)	1:42:A:LEU:HD11	1:108:A:ARG:HD3	7	2.04
(1,135)	1:42:A:LEU:HD12	1:108:A:ARG:HD3	7	2.04
(1,135)	1:42:A:LEU:HD13	1:108:A:ARG:HD3	7	2.04
(1,2402)	1:15:A:VAL:HG21	1:19:A:GLY:H	9	2.03
(1,2402)	1:15:A:VAL:HG22	1:19:A:GLY:H	9	2.03
(1,2402)	1:15:A:VAL:HG23	1:19:A:GLY:H	9	2.03
(1,1360)	1:63:A:SER:HA	1:74:A:VAL:HG21	11	2.03
(1,1360)	1:63:A:SER:HA	1:74:A:VAL:HG22	11	2.03
(1,1360)	1:63:A:SER:HA	1:74:A:VAL:HG23	11	2.03
(1,1186)	1:72:A:HIS:H	1:74:A:VAL:HG11	13	2.03
(1,1186)	1:72:A:HIS:H	1:74:A:VAL:HG12	13	2.03
(1,1186)	1:72:A:HIS:H	1:74:A:VAL:HG13	13	2.03
(1,1169)	1:74:A:VAL:HG21	1:113:A:ARG:HD2	1	2.03
(1,1169)	1:74:A:VAL:HG21	1:113:A:ARG:HD3	1	2.03
(1,1169)	1:74:A:VAL:HG22	1:113:A:ARG:HD2	1	2.03
(1,1169)	1:74:A:VAL:HG22	1:113:A:ARG:HD3	1	2.03
(1,1169)	1:74:A:VAL:HG23	1:113:A:ARG:HD2	1	2.03
(1,1169)	1:74:A:VAL:HG23	1:113:A:ARG:HD3	1	2.03
(1,135)	1:42:A:LEU:HD11	1:108:A:ARG:HD3	5	2.03
(1,135)	1:42:A:LEU:HD12	1:108:A:ARG:HD3	5	2.03
(1,135)	1:42:A:LEU:HD13	1:108:A:ARG:HD3	5	2.03
(1,2075)	1:42:A:LEU:H	1:96:A:LEU:HD21	3	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2075)	1:42:A:LEU:H	1:96:A:LEU:HD22	3	2.02
(1,2075)	1:42:A:LEU:H	1:96:A:LEU:HD23	3	2.02
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD11	1	2.02
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD12	1	2.02
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD13	1	2.02
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD11	1	2.02
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD12	1	2.02
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD13	1	2.02
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD11	1	2.02
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD12	1	2.02
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD13	1	2.02
(1,1077)	1:58:A:VAL:HG21	1:77:A:LEU:HA	10	2.02
(1,1077)	1:58:A:VAL:HG22	1:77:A:LEU:HA	10	2.02
(1,1077)	1:58:A:VAL:HG23	1:77:A:LEU:HA	10	2.02
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG11	1	2.02
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG12	1	2.02
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG13	1	2.02
(1,133)	1:42:A:LEU:HD11	1:108:A:ARG:HD2	3	2.02
(1,133)	1:42:A:LEU:HD12	1:108:A:ARG:HD2	3	2.02
(1,133)	1:42:A:LEU:HD13	1:108:A:ARG:HD2	3	2.02
(1,2075)	1:42:A:LEU:H	1:96:A:LEU:HD21	11	2.01
(1,2075)	1:42:A:LEU:H	1:96:A:LEU:HD22	11	2.01
(1,2075)	1:42:A:LEU:H	1:96:A:LEU:HD23	11	2.01
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG11	18	2.01
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG12	18	2.01
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG13	18	2.01
(1,2402)	1:15:A:VAL:HG21	1:19:A:GLY:H	16	2.0
(1,2402)	1:15:A:VAL:HG22	1:19:A:GLY:H	16	2.0
(1,2402)	1:15:A:VAL:HG23	1:19:A:GLY:H	16	2.0
(1,187)	1:42:A:LEU:HD21	1:60:A:ILE:HB	9	2.0
(1,187)	1:42:A:LEU:HD22	1:60:A:ILE:HB	9	2.0
(1,187)	1:42:A:LEU:HD23	1:60:A:ILE:HB	9	2.0
(1,139)	1:63:A:SER:HB2	1:66:A:LEU:HB2	5	2.0
(1,1064)	1:18:A:ARG:HA	1:53:A:LEU:HD11	17	1.99
(1,1064)	1:18:A:ARG:HA	1:53:A:LEU:HD12	17	1.99
(1,1064)	1:18:A:ARG:HA	1:53:A:LEU:HD13	17	1.99
(1,1315)	1:16:A:LEU:HB2	1:17:A:VAL:HG21	3	1.98
(1,1315)	1:16:A:LEU:HB2	1:17:A:VAL:HG22	3	1.98
(1,1315)	1:16:A:LEU:HB2	1:17:A:VAL:HG23	3	1.98
(1,1315)	1:16:A:LEU:HB3	1:17:A:VAL:HG21	3	1.98
(1,1315)	1:16:A:LEU:HB3	1:17:A:VAL:HG22	3	1.98
(1,1315)	1:16:A:LEU:HB3	1:17:A:VAL:HG23	3	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1169)	1:74:A:VAL:HG21	1:113:A:ARG:HD2	20	1.98
(1,1169)	1:74:A:VAL:HG21	1:113:A:ARG:HD3	20	1.98
(1,1169)	1:74:A:VAL:HG22	1:113:A:ARG:HD2	20	1.98
(1,1169)	1:74:A:VAL:HG22	1:113:A:ARG:HD3	20	1.98
(1,1169)	1:74:A:VAL:HG23	1:113:A:ARG:HD2	20	1.98
(1,1169)	1:74:A:VAL:HG23	1:113:A:ARG:HD3	20	1.98
(1,1077)	1:58:A:VAL:HG21	1:77:A:LEU:HA	9	1.98
(1,1077)	1:58:A:VAL:HG22	1:77:A:LEU:HA	9	1.98
(1,1077)	1:58:A:VAL:HG23	1:77:A:LEU:HA	9	1.98
(1,992)	1:15:A:VAL:HG21	1:18:A:ARG:HA	11	1.98
(1,992)	1:15:A:VAL:HG22	1:18:A:ARG:HA	11	1.98
(1,992)	1:15:A:VAL:HG23	1:18:A:ARG:HA	11	1.98
(1,883)	1:76:A:GLU:HA	1:112:A:LEU:HD21	19	1.98
(1,883)	1:76:A:GLU:HA	1:112:A:LEU:HD22	19	1.98
(1,883)	1:76:A:GLU:HA	1:112:A:LEU:HD23	19	1.98
(1,654)	1:42:A:LEU:HG	1:96:A:LEU:HD21	3	1.98
(1,654)	1:42:A:LEU:HG	1:96:A:LEU:HD22	3	1.98
(1,654)	1:42:A:LEU:HG	1:96:A:LEU:HD23	3	1.98
(1,2402)	1:15:A:VAL:HG21	1:19:A:GLY:H	14	1.97
(1,2402)	1:15:A:VAL:HG22	1:19:A:GLY:H	14	1.97
(1,2402)	1:15:A:VAL:HG23	1:19:A:GLY:H	14	1.97
(1,733)	1:7:A:LEU:HD21	1:42:A:LEU:HB3	9	1.97
(1,733)	1:7:A:LEU:HD22	1:42:A:LEU:HB3	9	1.97
(1,733)	1:7:A:LEU:HD23	1:42:A:LEU:HB3	9	1.97
(1,345)	1:50:A:LEU:HD21	1:95:A:VAL:HB	6	1.97
(1,345)	1:50:A:LEU:HD22	1:95:A:VAL:HB	6	1.97
(1,345)	1:50:A:LEU:HD23	1:95:A:VAL:HB	6	1.97
(1,187)	1:42:A:LEU:HD21	1:60:A:ILE:HB	2	1.97
(1,187)	1:42:A:LEU:HD22	1:60:A:ILE:HB	2	1.97
(1,187)	1:42:A:LEU:HD23	1:60:A:ILE:HB	2	1.97
(1,187)	1:42:A:LEU:HD21	1:60:A:ILE:HB	5	1.97
(1,187)	1:42:A:LEU:HD22	1:60:A:ILE:HB	5	1.97
(1,187)	1:42:A:LEU:HD23	1:60:A:ILE:HB	5	1.97
(1,490)	1:112:A:LEU:HD21	1:113:A:ARG:HB3	19	1.96
(1,490)	1:112:A:LEU:HD22	1:113:A:ARG:HB3	19	1.96
(1,490)	1:112:A:LEU:HD23	1:113:A:ARG:HB3	19	1.96
(1,367)	1:76:A:GLU:HB2	1:112:A:LEU:HD21	10	1.96
(1,367)	1:76:A:GLU:HB2	1:112:A:LEU:HD22	10	1.96
(1,367)	1:76:A:GLU:HB2	1:112:A:LEU:HD23	10	1.96
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG11	13	1.95
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG12	13	1.95
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG13	13	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,733)	1:7:A:LEU:HD21	1:42:A:LEU:HB3	17	1.95
(1,733)	1:7:A:LEU:HD22	1:42:A:LEU:HB3	17	1.95
(1,733)	1:7:A:LEU:HD23	1:42:A:LEU:HB3	17	1.95
(1,2402)	1:15:A:VAL:HG21	1:19:A:GLY:H	12	1.94
(1,2402)	1:15:A:VAL:HG22	1:19:A:GLY:H	12	1.94
(1,2402)	1:15:A:VAL:HG23	1:19:A:GLY:H	12	1.94
(1,1941)	1:35:A:LEU:HD11	1:40:A:CYS:H	3	1.94
(1,1941)	1:35:A:LEU:HD12	1:40:A:CYS:H	3	1.94
(1,1941)	1:35:A:LEU:HD13	1:40:A:CYS:H	3	1.94
(1,1077)	1:58:A:VAL:HG21	1:77:A:LEU:HA	12	1.94
(1,1077)	1:58:A:VAL:HG22	1:77:A:LEU:HA	12	1.94
(1,1077)	1:58:A:VAL:HG23	1:77:A:LEU:HA	12	1.94
(1,654)	1:42:A:LEU:HG	1:96:A:LEU:HD21	7	1.94
(1,654)	1:42:A:LEU:HG	1:96:A:LEU:HD22	7	1.94
(1,654)	1:42:A:LEU:HG	1:96:A:LEU:HD23	7	1.94
(1,187)	1:42:A:LEU:HD21	1:60:A:ILE:HB	20	1.94
(1,187)	1:42:A:LEU:HD22	1:60:A:ILE:HB	20	1.94
(1,187)	1:42:A:LEU:HD23	1:60:A:ILE:HB	20	1.94
(1,133)	1:42:A:LEU:HD11	1:108:A:ARG:HD2	6	1.94
(1,133)	1:42:A:LEU:HD12	1:108:A:ARG:HD2	6	1.94
(1,133)	1:42:A:LEU:HD13	1:108:A:ARG:HD2	6	1.94
(1,2402)	1:15:A:VAL:HG21	1:19:A:GLY:H	13	1.93
(1,2402)	1:15:A:VAL:HG22	1:19:A:GLY:H	13	1.93
(1,2402)	1:15:A:VAL:HG23	1:19:A:GLY:H	13	1.93
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG11	14	1.93
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG12	14	1.93
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG13	14	1.93
(1,654)	1:42:A:LEU:HG	1:96:A:LEU:HD21	6	1.93
(1,654)	1:42:A:LEU:HG	1:96:A:LEU:HD22	6	1.93
(1,654)	1:42:A:LEU:HG	1:96:A:LEU:HD23	6	1.93
(1,2294)	1:43:A:VAL:HG21	1:97:A:VAL:H	8	1.92
(1,2294)	1:43:A:VAL:HG22	1:97:A:VAL:H	8	1.92
(1,2294)	1:43:A:VAL:HG23	1:97:A:VAL:H	8	1.92
(1,1941)	1:35:A:LEU:HD11	1:40:A:CYS:H	2	1.92
(1,1941)	1:35:A:LEU:HD12	1:40:A:CYS:H	2	1.92
(1,1941)	1:35:A:LEU:HD13	1:40:A:CYS:H	2	1.92
(1,1241)	1:72:A:HIS:HB2	1:74:A:VAL:HG11	3	1.92
(1,1241)	1:72:A:HIS:HB2	1:74:A:VAL:HG12	3	1.92
(1,1241)	1:72:A:HIS:HB2	1:74:A:VAL:HG13	3	1.92
(1,1241)	1:72:A:HIS:HB3	1:74:A:VAL:HG11	3	1.92
(1,1241)	1:72:A:HIS:HB3	1:74:A:VAL:HG12	3	1.92
(1,1241)	1:72:A:HIS:HB3	1:74:A:VAL:HG13	3	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1186)	1:72:A:HIS:H	1:74:A:VAL:HG11	14	1.92
(1,1186)	1:72:A:HIS:H	1:74:A:VAL:HG12	14	1.92
(1,1186)	1:72:A:HIS:H	1:74:A:VAL:HG13	14	1.92
(1,1077)	1:58:A:VAL:HG21	1:77:A:LEU:HA	6	1.92
(1,1077)	1:58:A:VAL:HG22	1:77:A:LEU:HA	6	1.92
(1,1077)	1:58:A:VAL:HG23	1:77:A:LEU:HA	6	1.92
(1,2402)	1:15:A:VAL:HG21	1:19:A:GLY:H	2	1.91
(1,2402)	1:15:A:VAL:HG22	1:19:A:GLY:H	2	1.91
(1,2402)	1:15:A:VAL:HG23	1:19:A:GLY:H	2	1.91
(1,1941)	1:35:A:LEU:HD11	1:40:A:CYS:H	8	1.91
(1,1941)	1:35:A:LEU:HD12	1:40:A:CYS:H	8	1.91
(1,1941)	1:35:A:LEU:HD13	1:40:A:CYS:H	8	1.91
(1,1077)	1:58:A:VAL:HG21	1:77:A:LEU:HA	7	1.91
(1,1077)	1:58:A:VAL:HG22	1:77:A:LEU:HA	7	1.91
(1,1077)	1:58:A:VAL:HG23	1:77:A:LEU:HA	7	1.91
(1,490)	1:112:A:LEU:HD21	1:113:A:ARG:HB3	10	1.91
(1,490)	1:112:A:LEU:HD22	1:113:A:ARG:HB3	10	1.91
(1,490)	1:112:A:LEU:HD23	1:113:A:ARG:HB3	10	1.91
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG11	4	1.91
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG12	4	1.91
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG13	4	1.91
(1,225)	1:100:A:VAL:HG11	1:102:A:GLU:HG3	13	1.9
(1,225)	1:100:A:VAL:HG12	1:102:A:GLU:HG3	13	1.9
(1,225)	1:100:A:VAL:HG13	1:102:A:GLU:HG3	13	1.9
(1,1077)	1:58:A:VAL:HG21	1:77:A:LEU:HA	11	1.89
(1,1077)	1:58:A:VAL:HG22	1:77:A:LEU:HA	11	1.89
(1,1077)	1:58:A:VAL:HG23	1:77:A:LEU:HA	11	1.89
(1,135)	1:42:A:LEU:HD11	1:108:A:ARG:HD3	12	1.89
(1,135)	1:42:A:LEU:HD12	1:108:A:ARG:HD3	12	1.89
(1,135)	1:42:A:LEU:HD13	1:108:A:ARG:HD3	12	1.89
(1,1077)	1:58:A:VAL:HG21	1:77:A:LEU:HA	16	1.88
(1,1077)	1:58:A:VAL:HG22	1:77:A:LEU:HA	16	1.88
(1,1077)	1:58:A:VAL:HG23	1:77:A:LEU:HA	16	1.88
(1,393)	1:53:A:LEU:HD11	1:97:A:VAL:HB	16	1.88
(1,393)	1:53:A:LEU:HD12	1:97:A:VAL:HB	16	1.88
(1,393)	1:53:A:LEU:HD13	1:97:A:VAL:HB	16	1.88
(1,187)	1:42:A:LEU:HD21	1:60:A:ILE:HB	13	1.88
(1,187)	1:42:A:LEU:HD22	1:60:A:ILE:HB	13	1.88
(1,187)	1:42:A:LEU:HD23	1:60:A:ILE:HB	13	1.88
(1,1941)	1:35:A:LEU:HD11	1:40:A:CYS:H	10	1.87
(1,1941)	1:35:A:LEU:HD12	1:40:A:CYS:H	10	1.87
(1,1941)	1:35:A:LEU:HD13	1:40:A:CYS:H	10	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG11	7	1.87
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG12	7	1.87
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG13	7	1.87
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG11	17	1.87
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG12	17	1.87
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG13	17	1.87
(1,112)	1:15:A:VAL:HG21	1:18:A:ARG:HD2	5	1.87
(1,112)	1:15:A:VAL:HG22	1:18:A:ARG:HD2	5	1.87
(1,112)	1:15:A:VAL:HG23	1:18:A:ARG:HD2	5	1.87
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD21	12	1.87
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD22	12	1.87
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD23	12	1.87
(1,2402)	1:15:A:VAL:HG21	1:19:A:GLY:H	5	1.86
(1,2402)	1:15:A:VAL:HG22	1:19:A:GLY:H	5	1.86
(1,2402)	1:15:A:VAL:HG23	1:19:A:GLY:H	5	1.86
(1,2402)	1:15:A:VAL:HG21	1:19:A:GLY:H	20	1.86
(1,2402)	1:15:A:VAL:HG22	1:19:A:GLY:H	20	1.86
(1,2402)	1:15:A:VAL:HG23	1:19:A:GLY:H	20	1.86
(1,2224)	1:18:A:ARG:HE	1:53:A:LEU:HD11	17	1.86
(1,2224)	1:18:A:ARG:HE	1:53:A:LEU:HD12	17	1.86
(1,2224)	1:18:A:ARG:HE	1:53:A:LEU:HD13	17	1.86
(1,1064)	1:18:A:ARG:HA	1:53:A:LEU:HD11	18	1.86
(1,1064)	1:18:A:ARG:HA	1:53:A:LEU:HD12	18	1.86
(1,1064)	1:18:A:ARG:HA	1:53:A:LEU:HD13	18	1.86
(1,1241)	1:72:A:HIS:HB2	1:74:A:VAL:HG11	11	1.85
(1,1241)	1:72:A:HIS:HB2	1:74:A:VAL:HG12	11	1.85
(1,1241)	1:72:A:HIS:HB2	1:74:A:VAL:HG13	11	1.85
(1,1241)	1:72:A:HIS:HB3	1:74:A:VAL:HG11	11	1.85
(1,1241)	1:72:A:HIS:HB3	1:74:A:VAL:HG12	11	1.85
(1,1241)	1:72:A:HIS:HB3	1:74:A:VAL:HG13	11	1.85
(1,1100)	1:58:A:VAL:HG21	1:77:A:LEU:HB3	17	1.85
(1,1100)	1:58:A:VAL:HG22	1:77:A:LEU:HB3	17	1.85
(1,1100)	1:58:A:VAL:HG23	1:77:A:LEU:HB3	17	1.85
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG11	11	1.85
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG12	11	1.85
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG13	11	1.85
(1,2402)	1:15:A:VAL:HG21	1:19:A:GLY:H	3	1.84
(1,2402)	1:15:A:VAL:HG22	1:19:A:GLY:H	3	1.84
(1,2402)	1:15:A:VAL:HG23	1:19:A:GLY:H	3	1.84
(1,1077)	1:58:A:VAL:HG21	1:77:A:LEU:HA	2	1.84
(1,1077)	1:58:A:VAL:HG22	1:77:A:LEU:HA	2	1.84
(1,1077)	1:58:A:VAL:HG23	1:77:A:LEU:HA	2	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,992)	1:15:A:VAL:HG21	1:18:A:ARG:HA	18	1.84
(1,992)	1:15:A:VAL:HG22	1:18:A:ARG:HA	18	1.84
(1,992)	1:15:A:VAL:HG23	1:18:A:ARG:HA	18	1.84
(1,765)	1:42:A:LEU:HD11	1:108:A:ARG:HA	5	1.84
(1,765)	1:42:A:LEU:HD12	1:108:A:ARG:HA	5	1.84
(1,765)	1:42:A:LEU:HD13	1:108:A:ARG:HA	5	1.84
(1,205)	1:42:A:LEU:HD11	1:44:A:GLU:HG2	8	1.84
(1,205)	1:42:A:LEU:HD12	1:44:A:GLU:HG2	8	1.84
(1,205)	1:42:A:LEU:HD13	1:44:A:GLU:HG2	8	1.84
(1,481)	1:112:A:LEU:HD21	1:113:A:ARG:HB2	19	1.83
(1,481)	1:112:A:LEU:HD22	1:113:A:ARG:HB2	19	1.83
(1,481)	1:112:A:LEU:HD23	1:113:A:ARG:HB2	19	1.83
(1,135)	1:42:A:LEU:HD11	1:108:A:ARG:HD3	10	1.83
(1,135)	1:42:A:LEU:HD12	1:108:A:ARG:HD3	10	1.83
(1,135)	1:42:A:LEU:HD13	1:108:A:ARG:HD3	10	1.83
(1,2402)	1:15:A:VAL:HG21	1:19:A:GLY:H	8	1.82
(1,2402)	1:15:A:VAL:HG22	1:19:A:GLY:H	8	1.82
(1,2402)	1:15:A:VAL:HG23	1:19:A:GLY:H	8	1.82
(1,2075)	1:42:A:LEU:H	1:96:A:LEU:HD21	4	1.82
(1,2075)	1:42:A:LEU:H	1:96:A:LEU:HD22	4	1.82
(1,2075)	1:42:A:LEU:H	1:96:A:LEU:HD23	4	1.82
(1,1589)	1:80:A:GLU:HA	1:83:A:GLY:HA3	5	1.82
(1,1360)	1:63:A:SER:HA	1:74:A:VAL:HG21	7	1.82
(1,1360)	1:63:A:SER:HA	1:74:A:VAL:HG22	7	1.82
(1,1360)	1:63:A:SER:HA	1:74:A:VAL:HG23	7	1.82
(1,1100)	1:58:A:VAL:HG21	1:77:A:LEU:HB3	4	1.82
(1,1100)	1:58:A:VAL:HG22	1:77:A:LEU:HB3	4	1.82
(1,1100)	1:58:A:VAL:HG23	1:77:A:LEU:HB3	4	1.82
(1,1077)	1:58:A:VAL:HG21	1:77:A:LEU:HA	20	1.82
(1,1077)	1:58:A:VAL:HG22	1:77:A:LEU:HA	20	1.82
(1,1077)	1:58:A:VAL:HG23	1:77:A:LEU:HA	20	1.82
(1,1077)	1:58:A:VAL:HG21	1:77:A:LEU:HA	19	1.81
(1,1077)	1:58:A:VAL:HG22	1:77:A:LEU:HA	19	1.81
(1,1077)	1:58:A:VAL:HG23	1:77:A:LEU:HA	19	1.81
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG11	2	1.81
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG12	2	1.81
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG13	2	1.81
(1,669)	1:11:A:GLN:HG2	1:13:A:ARG:HG2	3	1.81
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG11	19	1.81
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG12	19	1.81
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG13	19	1.81
(1,133)	1:42:A:LEU:HD11	1:108:A:ARG:HD2	2	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,133)	1:42:A:LEU:HD12	1:108:A:ARG:HD2	2	1.81
(1,133)	1:42:A:LEU:HD13	1:108:A:ARG:HD2	2	1.81
(1,2515)	1:99:A:HIS:HD2	1:102:A:GLU:HB3	11	1.8
(1,1077)	1:58:A:VAL:HG21	1:77:A:LEU:HA	18	1.8
(1,1077)	1:58:A:VAL:HG22	1:77:A:LEU:HA	18	1.8
(1,1077)	1:58:A:VAL:HG23	1:77:A:LEU:HA	18	1.8
(1,733)	1:7:A:LEU:HD21	1:42:A:LEU:HB3	10	1.8
(1,733)	1:7:A:LEU:HD22	1:42:A:LEU:HB3	10	1.8
(1,733)	1:7:A:LEU:HD23	1:42:A:LEU:HB3	10	1.8
(1,669)	1:11:A:GLN:HG2	1:13:A:ARG:HG2	20	1.8
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG11	1	1.8
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG12	1	1.8
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG13	1	1.8
(1,187)	1:42:A:LEU:HD21	1:60:A:ILE:HB	11	1.8
(1,187)	1:42:A:LEU:HD22	1:60:A:ILE:HB	11	1.8
(1,187)	1:42:A:LEU:HD23	1:60:A:ILE:HB	11	1.8
(1,2402)	1:15:A:VAL:HG21	1:19:A:GLY:H	15	1.79
(1,2402)	1:15:A:VAL:HG22	1:19:A:GLY:H	15	1.79
(1,2402)	1:15:A:VAL:HG23	1:19:A:GLY:H	15	1.79
(1,1169)	1:74:A:VAL:HG21	1:113:A:ARG:HD2	14	1.79
(1,1169)	1:74:A:VAL:HG21	1:113:A:ARG:HD3	14	1.79
(1,1169)	1:74:A:VAL:HG22	1:113:A:ARG:HD2	14	1.79
(1,1169)	1:74:A:VAL:HG22	1:113:A:ARG:HD3	14	1.79
(1,1169)	1:74:A:VAL:HG23	1:113:A:ARG:HD2	14	1.79
(1,1169)	1:74:A:VAL:HG23	1:113:A:ARG:HD3	14	1.79
(1,844)	1:35:A:LEU:HD11	1:40:A:CYS:HB2	6	1.79
(1,844)	1:35:A:LEU:HD12	1:40:A:CYS:HB2	6	1.79
(1,844)	1:35:A:LEU:HD13	1:40:A:CYS:HB2	6	1.79
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG11	13	1.79
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG12	13	1.79
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG13	13	1.79
(1,2124)	1:63:A:SER:H	1:76:A:GLU:HB2	17	1.78
(1,1941)	1:35:A:LEU:HD11	1:40:A:CYS:H	5	1.78
(1,1941)	1:35:A:LEU:HD12	1:40:A:CYS:H	5	1.78
(1,1941)	1:35:A:LEU:HD13	1:40:A:CYS:H	5	1.78
(1,1589)	1:80:A:GLU:HA	1:83:A:GLY:HA3	2	1.78
(1,1589)	1:80:A:GLU:HA	1:83:A:GLY:HA3	3	1.78
(1,1589)	1:80:A:GLU:HA	1:83:A:GLY:HA3	19	1.78
(1,1581)	1:24:A:VAL:HG11	1:81:A:MET:HE1	1	1.78
(1,1581)	1:24:A:VAL:HG11	1:81:A:MET:HE2	1	1.78
(1,1581)	1:24:A:VAL:HG11	1:81:A:MET:HE3	1	1.78
(1,1581)	1:24:A:VAL:HG12	1:81:A:MET:HE1	1	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1581)	1:24:A:VAL:HG12	1:81:A:MET:HE2	1	1.78
(1,1581)	1:24:A:VAL:HG12	1:81:A:MET:HE3	1	1.78
(1,1581)	1:24:A:VAL:HG13	1:81:A:MET:HE1	1	1.78
(1,1581)	1:24:A:VAL:HG13	1:81:A:MET:HE2	1	1.78
(1,1581)	1:24:A:VAL:HG13	1:81:A:MET:HE3	1	1.78
(1,1345)	1:100:A:VAL:HG11	1:102:A:GLU:HA	9	1.78
(1,1345)	1:100:A:VAL:HG12	1:102:A:GLU:HA	9	1.78
(1,1345)	1:100:A:VAL:HG13	1:102:A:GLU:HA	9	1.78
(1,1345)	1:100:A:VAL:HG11	1:102:A:GLU:HA	19	1.78
(1,1345)	1:100:A:VAL:HG12	1:102:A:GLU:HA	19	1.78
(1,1345)	1:100:A:VAL:HG13	1:102:A:GLU:HA	19	1.78
(1,1117)	1:45:A:LEU:HA	1:95:A:VAL:HG21	4	1.78
(1,1117)	1:45:A:LEU:HA	1:95:A:VAL:HG22	4	1.78
(1,1117)	1:45:A:LEU:HA	1:95:A:VAL:HG23	4	1.78
(1,725)	1:50:A:LEU:HD21	1:53:A:LEU:HD21	3	1.78
(1,725)	1:50:A:LEU:HD21	1:53:A:LEU:HD22	3	1.78
(1,725)	1:50:A:LEU:HD21	1:53:A:LEU:HD23	3	1.78
(1,725)	1:50:A:LEU:HD22	1:53:A:LEU:HD21	3	1.78
(1,725)	1:50:A:LEU:HD22	1:53:A:LEU:HD22	3	1.78
(1,725)	1:50:A:LEU:HD22	1:53:A:LEU:HD23	3	1.78
(1,725)	1:50:A:LEU:HD23	1:53:A:LEU:HD21	3	1.78
(1,725)	1:50:A:LEU:HD23	1:53:A:LEU:HD22	3	1.78
(1,725)	1:50:A:LEU:HD23	1:53:A:LEU:HD23	3	1.78
(1,638)	1:89:A:SER:HB2	1:91:A:ILE:HG12	5	1.78
(1,638)	1:89:A:SER:HB2	1:91:A:ILE:HG12	18	1.78
(1,200)	1:62:A:ARG:HG2	1:91:A:ILE:HB	7	1.78
(1,2515)	1:99:A:HIS:HD2	1:102:A:GLU:HB3	19	1.77
(1,1581)	1:24:A:VAL:HG11	1:81:A:MET:HE1	3	1.77
(1,1581)	1:24:A:VAL:HG11	1:81:A:MET:HE2	3	1.77
(1,1581)	1:24:A:VAL:HG11	1:81:A:MET:HE3	3	1.77
(1,1581)	1:24:A:VAL:HG12	1:81:A:MET:HE1	3	1.77
(1,1581)	1:24:A:VAL:HG12	1:81:A:MET:HE2	3	1.77
(1,1581)	1:24:A:VAL:HG12	1:81:A:MET:HE3	3	1.77
(1,1581)	1:24:A:VAL:HG13	1:81:A:MET:HE1	3	1.77
(1,1581)	1:24:A:VAL:HG13	1:81:A:MET:HE2	3	1.77
(1,1581)	1:24:A:VAL:HG13	1:81:A:MET:HE3	3	1.77
(1,1169)	1:74:A:VAL:HG21	1:113:A:ARG:HD2	19	1.77
(1,1169)	1:74:A:VAL:HG21	1:113:A:ARG:HD3	19	1.77
(1,1169)	1:74:A:VAL:HG22	1:113:A:ARG:HD2	19	1.77
(1,1169)	1:74:A:VAL:HG22	1:113:A:ARG:HD3	19	1.77
(1,1169)	1:74:A:VAL:HG23	1:113:A:ARG:HD2	19	1.77
(1,1169)	1:74:A:VAL:HG23	1:113:A:ARG:HD3	19	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD21	4	1.77
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD22	4	1.77
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD23	4	1.77
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD21	5	1.77
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD22	5	1.77
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD23	5	1.77
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD21	5	1.77
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD22	5	1.77
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD23	5	1.77
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD21	5	1.77
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD22	5	1.77
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD23	5	1.77
(1,765)	1:42:A:LEU:HD11	1:108:A:ARG:HA	9	1.77
(1,765)	1:42:A:LEU:HD12	1:108:A:ARG:HA	9	1.77
(1,765)	1:42:A:LEU:HD13	1:108:A:ARG:HA	9	1.77
(1,71)	1:8:A:PRO:HG3	1:41:A:GLY:HA3	4	1.77
(1,35)	1:21:A:GLY:HA2	1:26:A:GLU:HG3	15	1.77
(1,2515)	1:99:A:HIS:HD2	1:102:A:GLU:HB3	14	1.76
(1,2373)	1:55:A:GLN:HE22	1:82:A:ASP:HB2	1	1.76
(1,2075)	1:42:A:LEU:H	1:96:A:LEU:HD21	6	1.76
(1,2075)	1:42:A:LEU:H	1:96:A:LEU:HD22	6	1.76
(1,2075)	1:42:A:LEU:H	1:96:A:LEU:HD23	6	1.76
(1,1589)	1:80:A:GLU:HA	1:83:A:GLY:HA3	10	1.76
(1,1589)	1:80:A:GLU:HA	1:83:A:GLY:HA3	16	1.76
(1,1360)	1:63:A:SER:HA	1:74:A:VAL:HG21	10	1.76
(1,1360)	1:63:A:SER:HA	1:74:A:VAL:HG22	10	1.76
(1,1360)	1:63:A:SER:HA	1:74:A:VAL:HG23	10	1.76
(1,345)	1:50:A:LEU:HD21	1:95:A:VAL:HB	3	1.76
(1,345)	1:50:A:LEU:HD22	1:95:A:VAL:HB	3	1.76
(1,345)	1:50:A:LEU:HD23	1:95:A:VAL:HB	3	1.76
(1,200)	1:62:A:ARG:HG2	1:91:A:ILE:HB	20	1.76
(1,187)	1:42:A:LEU:HD21	1:60:A:ILE:HB	10	1.76
(1,187)	1:42:A:LEU:HD22	1:60:A:ILE:HB	10	1.76
(1,187)	1:42:A:LEU:HD23	1:60:A:ILE:HB	10	1.76
(1,2100)	1:63:A:SER:HB2	1:66:A:LEU:H	18	1.75
(1,1757)	1:24:A:VAL:HG11	1:56:A:PRO:HD3	1	1.75
(1,1757)	1:24:A:VAL:HG12	1:56:A:PRO:HD3	1	1.75
(1,1757)	1:24:A:VAL:HG13	1:56:A:PRO:HD3	1	1.75
(1,1358)	1:63:A:SER:HA	1:76:A:GLU:HB2	17	1.75
(1,1315)	1:16:A:LEU:HB2	1:17:A:VAL:HG21	16	1.75
(1,1315)	1:16:A:LEU:HB2	1:17:A:VAL:HG22	16	1.75
(1,1315)	1:16:A:LEU:HB2	1:17:A:VAL:HG23	16	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1315)	1:16:A:LEU:HB3	1:17:A:VAL:HG21	16	1.75
(1,1315)	1:16:A:LEU:HB3	1:17:A:VAL:HG22	16	1.75
(1,1315)	1:16:A:LEU:HB3	1:17:A:VAL:HG23	16	1.75
(1,1064)	1:18:A:ARG:HA	1:53:A:LEU:HD11	2	1.75
(1,1064)	1:18:A:ARG:HA	1:53:A:LEU:HD12	2	1.75
(1,1064)	1:18:A:ARG:HA	1:53:A:LEU:HD13	2	1.75
(1,1026)	1:15:A:VAL:HG21	1:18:A:ARG:HD3	14	1.75
(1,1026)	1:15:A:VAL:HG22	1:18:A:ARG:HD3	14	1.75
(1,1026)	1:15:A:VAL:HG23	1:18:A:ARG:HD3	14	1.75
(1,725)	1:50:A:LEU:HD21	1:53:A:LEU:HD21	6	1.75
(1,725)	1:50:A:LEU:HD21	1:53:A:LEU:HD22	6	1.75
(1,725)	1:50:A:LEU:HD21	1:53:A:LEU:HD23	6	1.75
(1,725)	1:50:A:LEU:HD22	1:53:A:LEU:HD21	6	1.75
(1,725)	1:50:A:LEU:HD22	1:53:A:LEU:HD22	6	1.75
(1,725)	1:50:A:LEU:HD22	1:53:A:LEU:HD23	6	1.75
(1,725)	1:50:A:LEU:HD23	1:53:A:LEU:HD21	6	1.75
(1,725)	1:50:A:LEU:HD23	1:53:A:LEU:HD22	6	1.75
(1,725)	1:50:A:LEU:HD23	1:53:A:LEU:HD23	6	1.75
(1,684)	1:11:A:GLN:HB2	1:13:A:ARG:HG2	20	1.75
(1,1589)	1:80:A:GLU:HA	1:83:A:GLY:HA3	20	1.74
(1,1581)	1:24:A:VAL:HG11	1:81:A:MET:HE1	5	1.74
(1,1581)	1:24:A:VAL:HG11	1:81:A:MET:HE2	5	1.74
(1,1581)	1:24:A:VAL:HG11	1:81:A:MET:HE3	5	1.74
(1,1581)	1:24:A:VAL:HG12	1:81:A:MET:HE1	5	1.74
(1,1581)	1:24:A:VAL:HG12	1:81:A:MET:HE2	5	1.74
(1,1581)	1:24:A:VAL:HG12	1:81:A:MET:HE3	5	1.74
(1,1581)	1:24:A:VAL:HG13	1:81:A:MET:HE1	5	1.74
(1,1581)	1:24:A:VAL:HG13	1:81:A:MET:HE2	5	1.74
(1,1581)	1:24:A:VAL:HG13	1:81:A:MET:HE3	5	1.74
(1,1315)	1:16:A:LEU:HB2	1:17:A:VAL:HG21	7	1.74
(1,1315)	1:16:A:LEU:HB2	1:17:A:VAL:HG22	7	1.74
(1,1315)	1:16:A:LEU:HB2	1:17:A:VAL:HG23	7	1.74
(1,1315)	1:16:A:LEU:HB3	1:17:A:VAL:HG21	7	1.74
(1,1315)	1:16:A:LEU:HB3	1:17:A:VAL:HG22	7	1.74
(1,1315)	1:16:A:LEU:HB3	1:17:A:VAL:HG23	7	1.74
(1,1241)	1:72:A:HIS:HB2	1:74:A:VAL:HG11	20	1.74
(1,1241)	1:72:A:HIS:HB2	1:74:A:VAL:HG12	20	1.74
(1,1241)	1:72:A:HIS:HB2	1:74:A:VAL:HG13	20	1.74
(1,1241)	1:72:A:HIS:HB3	1:74:A:VAL:HG11	20	1.74
(1,1241)	1:72:A:HIS:HB3	1:74:A:VAL:HG12	20	1.74
(1,1241)	1:72:A:HIS:HB3	1:74:A:VAL:HG13	20	1.74
(1,1024)	1:15:A:VAL:HG21	1:18:A:ARG:H	17	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1024)	1:15:A:VAL:HG22	1:18:A:ARG:H	17	1.74
(1,1024)	1:15:A:VAL:HG23	1:18:A:ARG:H	17	1.74
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG11	6	1.74
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG12	6	1.74
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG13	6	1.74
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG11	12	1.74
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG12	12	1.74
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG13	12	1.74
(1,187)	1:42:A:LEU:HD21	1:60:A:ILE:HB	6	1.74
(1,187)	1:42:A:LEU:HD22	1:60:A:ILE:HB	6	1.74
(1,187)	1:42:A:LEU:HD23	1:60:A:ILE:HB	6	1.74
(1,1589)	1:80:A:GLU:HA	1:83:A:GLY:HA3	18	1.73
(1,1026)	1:15:A:VAL:HG21	1:18:A:ARG:HD3	19	1.73
(1,1026)	1:15:A:VAL:HG22	1:18:A:ARG:HD3	19	1.73
(1,1026)	1:15:A:VAL:HG23	1:18:A:ARG:HD3	19	1.73
(1,992)	1:15:A:VAL:HG21	1:18:A:ARG:HA	17	1.73
(1,992)	1:15:A:VAL:HG22	1:18:A:ARG:HA	17	1.73
(1,992)	1:15:A:VAL:HG23	1:18:A:ARG:HA	17	1.73
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD21	10	1.73
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD22	10	1.73
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD23	10	1.73
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD21	10	1.73
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD22	10	1.73
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD23	10	1.73
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD21	10	1.73
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD22	10	1.73
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD23	10	1.73
(1,236)	1:23:A:SER:HA	1:26:A:GLU:HG2	14	1.73
(1,133)	1:42:A:LEU:HD11	1:108:A:ARG:HD2	9	1.73
(1,133)	1:42:A:LEU:HD12	1:108:A:ARG:HD2	9	1.73
(1,133)	1:42:A:LEU:HD13	1:108:A:ARG:HD2	9	1.73
(1,1184)	1:63:A:SER:HB3	1:74:A:VAL:HG21	17	1.72
(1,1184)	1:63:A:SER:HB3	1:74:A:VAL:HG22	17	1.72
(1,1184)	1:63:A:SER:HB3	1:74:A:VAL:HG23	17	1.72
(1,1169)	1:74:A:VAL:HG21	1:113:A:ARG:HD2	3	1.72
(1,1169)	1:74:A:VAL:HG21	1:113:A:ARG:HD3	3	1.72
(1,1169)	1:74:A:VAL:HG22	1:113:A:ARG:HD2	3	1.72
(1,1169)	1:74:A:VAL:HG22	1:113:A:ARG:HD3	3	1.72
(1,1169)	1:74:A:VAL:HG23	1:113:A:ARG:HD2	3	1.72
(1,1169)	1:74:A:VAL:HG23	1:113:A:ARG:HD3	3	1.72
(1,1065)	1:18:A:ARG:HG2	1:53:A:LEU:HD11	16	1.72
(1,1065)	1:18:A:ARG:HG2	1:53:A:LEU:HD12	16	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1065)	1:18:A:ARG:HG2	1:53:A:LEU:HD13	16	1.72
(1,638)	1:89:A:SER:HB2	1:91:A:ILE:HG12	7	1.72
(1,205)	1:42:A:LEU:HD11	1:44:A:GLU:HG2	7	1.72
(1,205)	1:42:A:LEU:HD12	1:44:A:GLU:HG2	7	1.72
(1,205)	1:42:A:LEU:HD13	1:44:A:GLU:HG2	7	1.72
(1,2402)	1:15:A:VAL:HG21	1:19:A:GLY:H	10	1.71
(1,2402)	1:15:A:VAL:HG22	1:19:A:GLY:H	10	1.71
(1,2402)	1:15:A:VAL:HG23	1:19:A:GLY:H	10	1.71
(1,1941)	1:35:A:LEU:HD11	1:40:A:CYS:H	12	1.71
(1,1941)	1:35:A:LEU:HD12	1:40:A:CYS:H	12	1.71
(1,1941)	1:35:A:LEU:HD13	1:40:A:CYS:H	12	1.71
(1,1589)	1:80:A:GLU:HA	1:83:A:GLY:HA3	1	1.71
(1,1581)	1:24:A:VAL:HG11	1:81:A:MET:HE1	18	1.71
(1,1581)	1:24:A:VAL:HG11	1:81:A:MET:HE2	18	1.71
(1,1581)	1:24:A:VAL:HG11	1:81:A:MET:HE3	18	1.71
(1,1581)	1:24:A:VAL:HG12	1:81:A:MET:HE1	18	1.71
(1,1581)	1:24:A:VAL:HG12	1:81:A:MET:HE2	18	1.71
(1,1581)	1:24:A:VAL:HG12	1:81:A:MET:HE3	18	1.71
(1,1581)	1:24:A:VAL:HG13	1:81:A:MET:HE1	18	1.71
(1,1581)	1:24:A:VAL:HG13	1:81:A:MET:HE2	18	1.71
(1,1581)	1:24:A:VAL:HG13	1:81:A:MET:HE3	18	1.71
(1,1345)	1:100:A:VAL:HG11	1:102:A:GLU:HA	5	1.71
(1,1345)	1:100:A:VAL:HG12	1:102:A:GLU:HA	5	1.71
(1,1345)	1:100:A:VAL:HG13	1:102:A:GLU:HA	5	1.71
(1,1345)	1:100:A:VAL:HG11	1:102:A:GLU:HA	14	1.71
(1,1345)	1:100:A:VAL:HG12	1:102:A:GLU:HA	14	1.71
(1,1345)	1:100:A:VAL:HG13	1:102:A:GLU:HA	14	1.71
(1,844)	1:35:A:LEU:HD11	1:40:A:CYS:HB2	3	1.71
(1,844)	1:35:A:LEU:HD12	1:40:A:CYS:HB2	3	1.71
(1,844)	1:35:A:LEU:HD13	1:40:A:CYS:HB2	3	1.71
(1,638)	1:89:A:SER:HB2	1:91:A:ILE:HG12	16	1.71
(1,205)	1:42:A:LEU:HD11	1:44:A:GLU:HG2	13	1.71
(1,205)	1:42:A:LEU:HD12	1:44:A:GLU:HG2	13	1.71
(1,205)	1:42:A:LEU:HD13	1:44:A:GLU:HG2	13	1.71
(1,135)	1:42:A:LEU:HD11	1:108:A:ARG:HD3	16	1.71
(1,135)	1:42:A:LEU:HD12	1:108:A:ARG:HD3	16	1.71
(1,135)	1:42:A:LEU:HD13	1:108:A:ARG:HD3	16	1.71
(1,2312)	1:114:A:LYS:HA	1:115:A:ASN:HD22	15	1.7
(1,1589)	1:80:A:GLU:HA	1:83:A:GLY:HA3	4	1.7
(1,1589)	1:80:A:GLU:HA	1:83:A:GLY:HA3	14	1.7
(1,1589)	1:80:A:GLU:HA	1:83:A:GLY:HA3	15	1.7
(1,1101)	1:58:A:VAL:HG21	1:77:A:LEU:HD21	10	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1101)	1:58:A:VAL:HG21	1:77:A:LEU:HD22	10	1.7
(1,1101)	1:58:A:VAL:HG21	1:77:A:LEU:HD23	10	1.7
(1,1101)	1:58:A:VAL:HG22	1:77:A:LEU:HD21	10	1.7
(1,1101)	1:58:A:VAL:HG22	1:77:A:LEU:HD22	10	1.7
(1,1101)	1:58:A:VAL:HG22	1:77:A:LEU:HD23	10	1.7
(1,1101)	1:58:A:VAL:HG23	1:77:A:LEU:HD21	10	1.7
(1,1101)	1:58:A:VAL:HG23	1:77:A:LEU:HD22	10	1.7
(1,1101)	1:58:A:VAL:HG23	1:77:A:LEU:HD23	10	1.7
(1,816)	1:63:A:SER:HB3	1:75:A:VAL:H	3	1.7
(1,209)	1:42:A:LEU:HD11	1:44:A:GLU:HG3	8	1.7
(1,209)	1:42:A:LEU:HD12	1:44:A:GLU:HG3	8	1.7
(1,209)	1:42:A:LEU:HD13	1:44:A:GLU:HG3	8	1.7
(1,209)	1:42:A:LEU:HD11	1:44:A:GLU:HG3	13	1.7
(1,209)	1:42:A:LEU:HD12	1:44:A:GLU:HG3	13	1.7
(1,209)	1:42:A:LEU:HD13	1:44:A:GLU:HG3	13	1.7
(1,2515)	1:99:A:HIS:HD2	1:102:A:GLU:HB3	18	1.69
(1,1589)	1:80:A:GLU:HA	1:83:A:GLY:HA3	6	1.69
(1,1589)	1:80:A:GLU:HA	1:83:A:GLY:HA3	7	1.69
(1,1589)	1:80:A:GLU:HA	1:83:A:GLY:HA3	9	1.69
(1,1589)	1:80:A:GLU:HA	1:83:A:GLY:HA3	13	1.69
(1,1027)	1:15:A:VAL:HG21	1:18:A:ARG:HG2	10	1.69
(1,1027)	1:15:A:VAL:HG22	1:18:A:ARG:HG2	10	1.69
(1,1027)	1:15:A:VAL:HG23	1:18:A:ARG:HG2	10	1.69
(1,816)	1:63:A:SER:HB3	1:75:A:VAL:H	20	1.69
(1,638)	1:89:A:SER:HB2	1:91:A:ILE:HG12	4	1.69
(1,2515)	1:99:A:HIS:HD2	1:102:A:GLU:HB3	2	1.68
(1,2312)	1:114:A:LYS:HA	1:115:A:ASN:HD22	6	1.68
(1,989)	1:15:A:VAL:HG21	1:17:A:VAL:H	17	1.68
(1,989)	1:15:A:VAL:HG22	1:17:A:VAL:H	17	1.68
(1,989)	1:15:A:VAL:HG23	1:17:A:VAL:H	17	1.68
(1,733)	1:7:A:LEU:HD21	1:42:A:LEU:HB3	1	1.68
(1,733)	1:7:A:LEU:HD22	1:42:A:LEU:HB3	1	1.68
(1,733)	1:7:A:LEU:HD23	1:42:A:LEU:HB3	1	1.68
(1,2515)	1:99:A:HIS:HD2	1:102:A:GLU:HB3	7	1.67
(1,2515)	1:99:A:HIS:HD2	1:102:A:GLU:HB3	9	1.67
(1,2100)	1:63:A:SER:HB2	1:66:A:LEU:H	19	1.67
(1,1942)	1:7:A:LEU:HD11	1:40:A:CYS:H	19	1.67
(1,1942)	1:7:A:LEU:HD12	1:40:A:CYS:H	19	1.67
(1,1942)	1:7:A:LEU:HD13	1:40:A:CYS:H	19	1.67
(1,1589)	1:80:A:GLU:HA	1:83:A:GLY:HA3	8	1.67
(1,1498)	1:112:A:LEU:HD21	1:113:A:ARG:HA	19	1.67
(1,1498)	1:112:A:LEU:HD22	1:113:A:ARG:HA	19	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1498)	1:112:A:LEU:HD23	1:113:A:ARG:HA	19	1.67
(1,1169)	1:74:A:VAL:HG21	1:113:A:ARG:HD2	11	1.67
(1,1169)	1:74:A:VAL:HG21	1:113:A:ARG:HD3	11	1.67
(1,1169)	1:74:A:VAL:HG22	1:113:A:ARG:HD2	11	1.67
(1,1169)	1:74:A:VAL:HG22	1:113:A:ARG:HD3	11	1.67
(1,1169)	1:74:A:VAL:HG23	1:113:A:ARG:HD2	11	1.67
(1,1169)	1:74:A:VAL:HG23	1:113:A:ARG:HD3	11	1.67
(1,1100)	1:58:A:VAL:HG21	1:77:A:LEU:HB3	6	1.67
(1,1100)	1:58:A:VAL:HG22	1:77:A:LEU:HB3	6	1.67
(1,1100)	1:58:A:VAL:HG23	1:77:A:LEU:HB3	6	1.67
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG11	3	1.67
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG12	3	1.67
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG13	3	1.67
(1,1941)	1:35:A:LEU:HD11	1:40:A:CYS:H	4	1.66
(1,1941)	1:35:A:LEU:HD12	1:40:A:CYS:H	4	1.66
(1,1941)	1:35:A:LEU:HD13	1:40:A:CYS:H	4	1.66
(1,1360)	1:63:A:SER:HA	1:74:A:VAL:HG21	3	1.66
(1,1360)	1:63:A:SER:HA	1:74:A:VAL:HG22	3	1.66
(1,1360)	1:63:A:SER:HA	1:74:A:VAL:HG23	3	1.66
(1,1345)	1:100:A:VAL:HG11	1:102:A:GLU:HA	2	1.66
(1,1345)	1:100:A:VAL:HG12	1:102:A:GLU:HA	2	1.66
(1,1345)	1:100:A:VAL:HG13	1:102:A:GLU:HA	2	1.66
(1,1100)	1:58:A:VAL:HG21	1:77:A:LEU:HB3	16	1.66
(1,1100)	1:58:A:VAL:HG22	1:77:A:LEU:HB3	16	1.66
(1,1100)	1:58:A:VAL:HG23	1:77:A:LEU:HB3	16	1.66
(1,1026)	1:15:A:VAL:HG21	1:18:A:ARG:HD3	20	1.66
(1,1026)	1:15:A:VAL:HG22	1:18:A:ARG:HD3	20	1.66
(1,1026)	1:15:A:VAL:HG23	1:18:A:ARG:HD3	20	1.66
(1,605)	1:39:A:THR:HB	1:99:A:HIS:HB2	6	1.66
(1,187)	1:42:A:LEU:HD21	1:60:A:ILE:HB	17	1.66
(1,187)	1:42:A:LEU:HD22	1:60:A:ILE:HB	17	1.66
(1,187)	1:42:A:LEU:HD23	1:60:A:ILE:HB	17	1.66
(1,161)	1:11:A:GLN:HB3	1:14:A:ASP:HB3	4	1.66
(1,2124)	1:63:A:SER:H	1:76:A:GLU:HB2	5	1.65
(1,2100)	1:63:A:SER:HB2	1:66:A:LEU:H	16	1.65
(1,1589)	1:80:A:GLU:HA	1:83:A:GLY:HA3	17	1.65
(1,1169)	1:74:A:VAL:HG21	1:113:A:ARG:HD2	17	1.65
(1,1169)	1:74:A:VAL:HG21	1:113:A:ARG:HD3	17	1.65
(1,1169)	1:74:A:VAL:HG22	1:113:A:ARG:HD2	17	1.65
(1,1169)	1:74:A:VAL:HG22	1:113:A:ARG:HD3	17	1.65
(1,1169)	1:74:A:VAL:HG23	1:113:A:ARG:HD2	17	1.65
(1,1169)	1:74:A:VAL:HG23	1:113:A:ARG:HD3	17	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1100)	1:58:A:VAL:HG21	1:77:A:LEU:HB3	5	1.65
(1,1100)	1:58:A:VAL:HG22	1:77:A:LEU:HB3	5	1.65
(1,1100)	1:58:A:VAL:HG23	1:77:A:LEU:HB3	5	1.65
(1,1077)	1:58:A:VAL:HG21	1:77:A:LEU:HA	3	1.65
(1,1077)	1:58:A:VAL:HG22	1:77:A:LEU:HA	3	1.65
(1,1077)	1:58:A:VAL:HG23	1:77:A:LEU:HA	3	1.65
(1,638)	1:89:A:SER:HB2	1:91:A:ILE:HG12	6	1.65
(1,205)	1:42:A:LEU:HD11	1:44:A:GLU:HG2	16	1.65
(1,205)	1:42:A:LEU:HD12	1:44:A:GLU:HG2	16	1.65
(1,205)	1:42:A:LEU:HD13	1:44:A:GLU:HG2	16	1.65
(1,2188)	1:34:A:HIS:H	1:37:A:ASN:HB3	19	1.64
(1,1941)	1:35:A:LEU:HD11	1:40:A:CYS:H	17	1.64
(1,1941)	1:35:A:LEU:HD12	1:40:A:CYS:H	17	1.64
(1,1941)	1:35:A:LEU:HD13	1:40:A:CYS:H	17	1.64
(1,1589)	1:80:A:GLU:HA	1:83:A:GLY:HA3	12	1.64
(1,1026)	1:15:A:VAL:HG21	1:18:A:ARG:HD3	18	1.64
(1,1026)	1:15:A:VAL:HG22	1:18:A:ARG:HD3	18	1.64
(1,1026)	1:15:A:VAL:HG23	1:18:A:ARG:HD3	18	1.64
(1,1024)	1:15:A:VAL:HG21	1:18:A:ARG:H	5	1.64
(1,1024)	1:15:A:VAL:HG22	1:18:A:ARG:H	5	1.64
(1,1024)	1:15:A:VAL:HG23	1:18:A:ARG:H	5	1.64
(1,882)	1:2:A:HIS:HD2	1:112:A:LEU:HD21	5	1.64
(1,882)	1:2:A:HIS:HD2	1:112:A:LEU:HD22	5	1.64
(1,882)	1:2:A:HIS:HD2	1:112:A:LEU:HD23	5	1.64
(1,803)	1:63:A:SER:HB2	1:74:A:VAL:HG21	17	1.64
(1,803)	1:63:A:SER:HB2	1:74:A:VAL:HG22	17	1.64
(1,803)	1:63:A:SER:HB2	1:74:A:VAL:HG23	17	1.64
(1,602)	1:54:A:GLU:HA	1:55:A:GLN:HB3	20	1.64
(1,496)	1:40:A:CYS:HB3	1:98:A:PRO:HB3	17	1.64
(1,494)	1:7:A:LEU:HD11	1:40:A:CYS:HB2	13	1.64
(1,494)	1:7:A:LEU:HD12	1:40:A:CYS:HB2	13	1.64
(1,494)	1:7:A:LEU:HD13	1:40:A:CYS:HB2	13	1.64
(1,494)	1:7:A:LEU:HD11	1:40:A:CYS:HB2	20	1.64
(1,494)	1:7:A:LEU:HD12	1:40:A:CYS:HB2	20	1.64
(1,494)	1:7:A:LEU:HD13	1:40:A:CYS:HB2	20	1.64
(1,1812)	1:112:A:LEU:HD21	1:114:A:LYS:H	1	1.63
(1,1812)	1:112:A:LEU:HD22	1:114:A:LYS:H	1	1.63
(1,1812)	1:112:A:LEU:HD23	1:114:A:LYS:H	1	1.63
(1,1498)	1:112:A:LEU:HD21	1:113:A:ARG:HA	5	1.63
(1,1498)	1:112:A:LEU:HD22	1:113:A:ARG:HA	5	1.63
(1,1498)	1:112:A:LEU:HD23	1:113:A:ARG:HA	5	1.63
(1,1026)	1:15:A:VAL:HG21	1:18:A:ARG:HD3	1	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1026)	1:15:A:VAL:HG22	1:18:A:ARG:HD3	1	1.63
(1,1026)	1:15:A:VAL:HG23	1:18:A:ARG:HD3	1	1.63
(1,1024)	1:15:A:VAL:HG21	1:18:A:ARG:H	18	1.63
(1,1024)	1:15:A:VAL:HG22	1:18:A:ARG:H	18	1.63
(1,1024)	1:15:A:VAL:HG23	1:18:A:ARG:H	18	1.63
(1,882)	1:2:A:HIS:HD2	1:112:A:LEU:HD21	10	1.63
(1,882)	1:2:A:HIS:HD2	1:112:A:LEU:HD22	10	1.63
(1,882)	1:2:A:HIS:HD2	1:112:A:LEU:HD23	10	1.63
(1,770)	1:75:A:VAL:HA	1:93:A:LEU:HD11	14	1.63
(1,770)	1:75:A:VAL:HA	1:93:A:LEU:HD12	14	1.63
(1,770)	1:75:A:VAL:HA	1:93:A:LEU:HD13	14	1.63
(1,602)	1:54:A:GLU:HA	1:55:A:GLN:HB3	8	1.63
(1,602)	1:54:A:GLU:HA	1:55:A:GLN:HB3	9	1.63
(1,496)	1:40:A:CYS:HB3	1:98:A:PRO:HB3	1	1.63
(1,205)	1:42:A:LEU:HD11	1:44:A:GLU:HG2	19	1.63
(1,205)	1:42:A:LEU:HD12	1:44:A:GLU:HG2	19	1.63
(1,205)	1:42:A:LEU:HD13	1:44:A:GLU:HG2	19	1.63
(1,2188)	1:34:A:HIS:H	1:37:A:ASN:HB3	20	1.62
(1,1026)	1:15:A:VAL:HG21	1:18:A:ARG:HD3	4	1.62
(1,1026)	1:15:A:VAL:HG22	1:18:A:ARG:HD3	4	1.62
(1,1026)	1:15:A:VAL:HG23	1:18:A:ARG:HD3	4	1.62
(1,602)	1:54:A:GLU:HA	1:55:A:GLN:HB3	10	1.62
(1,602)	1:54:A:GLU:HA	1:55:A:GLN:HB3	15	1.62
(1,521)	1:59:A:PHE:HB2	1:92:A:THR:HB	1	1.62
(1,496)	1:40:A:CYS:HB3	1:98:A:PRO:HB3	4	1.62
(1,496)	1:40:A:CYS:HB3	1:98:A:PRO:HB3	7	1.62
(1,496)	1:40:A:CYS:HB3	1:98:A:PRO:HB3	8	1.62
(1,266)	1:18:A:ARG:HD2	1:54:A:GLU:HG2	16	1.62
(1,64)	1:7:A:LEU:HB2	1:41:A:GLY:HA3	10	1.62
(1,13)	1:35:A:LEU:HD11	1:38:A:GLY:HA2	10	1.62
(1,13)	1:35:A:LEU:HD11	1:38:A:GLY:HA3	10	1.62
(1,13)	1:35:A:LEU:HD12	1:38:A:GLY:HA2	10	1.62
(1,13)	1:35:A:LEU:HD12	1:38:A:GLY:HA3	10	1.62
(1,13)	1:35:A:LEU:HD13	1:38:A:GLY:HA2	10	1.62
(1,13)	1:35:A:LEU:HD13	1:38:A:GLY:HA3	10	1.62
(1,1186)	1:72:A:HIS:H	1:74:A:VAL:HG11	3	1.61
(1,1186)	1:72:A:HIS:H	1:74:A:VAL:HG12	3	1.61
(1,1186)	1:72:A:HIS:H	1:74:A:VAL:HG13	3	1.61
(1,989)	1:15:A:VAL:HG21	1:17:A:VAL:H	7	1.61
(1,989)	1:15:A:VAL:HG22	1:17:A:VAL:H	7	1.61
(1,989)	1:15:A:VAL:HG23	1:17:A:VAL:H	7	1.61
(1,986)	1:42:A:LEU:HA	1:96:A:LEU:HD21	15	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,986)	1:42:A:LEU:HA	1:96:A:LEU:HD22	15	1.61
(1,986)	1:42:A:LEU:HA	1:96:A:LEU:HD23	15	1.61
(1,733)	1:7:A:LEU:HD21	1:42:A:LEU:HB3	12	1.61
(1,733)	1:7:A:LEU:HD22	1:42:A:LEU:HB3	12	1.61
(1,733)	1:7:A:LEU:HD23	1:42:A:LEU:HB3	12	1.61
(1,602)	1:54:A:GLU:HA	1:55:A:GLN:HB3	2	1.61
(1,602)	1:54:A:GLU:HA	1:55:A:GLN:HB3	4	1.61
(1,602)	1:54:A:GLU:HA	1:55:A:GLN:HB3	6	1.61
(1,602)	1:54:A:GLU:HA	1:55:A:GLN:HB3	12	1.61
(1,496)	1:40:A:CYS:HB3	1:98:A:PRO:HB3	9	1.61
(1,2100)	1:63:A:SER:HB2	1:66:A:LEU:H	15	1.6
(1,1941)	1:35:A:LEU:HD11	1:40:A:CYS:H	18	1.6
(1,1941)	1:35:A:LEU:HD12	1:40:A:CYS:H	18	1.6
(1,1941)	1:35:A:LEU:HD13	1:40:A:CYS:H	18	1.6
(1,1589)	1:80:A:GLU:HA	1:83:A:GLY:HA3	11	1.6
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB1	6	1.6
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB2	6	1.6
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB3	6	1.6
(1,1100)	1:58:A:VAL:HG21	1:77:A:LEU:HB3	2	1.6
(1,1100)	1:58:A:VAL:HG22	1:77:A:LEU:HB3	2	1.6
(1,1100)	1:58:A:VAL:HG23	1:77:A:LEU:HB3	2	1.6
(1,1027)	1:15:A:VAL:HG21	1:18:A:ARG:HG2	2	1.6
(1,1027)	1:15:A:VAL:HG22	1:18:A:ARG:HG2	2	1.6
(1,1027)	1:15:A:VAL:HG23	1:18:A:ARG:HG2	2	1.6
(1,1024)	1:15:A:VAL:HG21	1:18:A:ARG:H	2	1.6
(1,1024)	1:15:A:VAL:HG22	1:18:A:ARG:H	2	1.6
(1,1024)	1:15:A:VAL:HG23	1:18:A:ARG:H	2	1.6
(1,1024)	1:15:A:VAL:HG21	1:18:A:ARG:H	11	1.6
(1,1024)	1:15:A:VAL:HG22	1:18:A:ARG:H	11	1.6
(1,1024)	1:15:A:VAL:HG23	1:18:A:ARG:H	11	1.6
(1,602)	1:54:A:GLU:HA	1:55:A:GLN:HB3	3	1.6
(1,223)	1:100:A:VAL:HG11	1:102:A:GLU:HG2	16	1.6
(1,223)	1:100:A:VAL:HG12	1:102:A:GLU:HG2	16	1.6
(1,223)	1:100:A:VAL:HG13	1:102:A:GLU:HG2	16	1.6
(1,187)	1:42:A:LEU:HD21	1:60:A:ILE:HB	7	1.6
(1,187)	1:42:A:LEU:HD22	1:60:A:ILE:HB	7	1.6
(1,187)	1:42:A:LEU:HD23	1:60:A:ILE:HB	7	1.6
(1,139)	1:63:A:SER:HB2	1:66:A:LEU:HB2	18	1.6
(1,1647)	1:42:A:LEU:HD21	1:96:A:LEU:HA	10	1.59
(1,1647)	1:42:A:LEU:HD22	1:96:A:LEU:HA	10	1.59
(1,1647)	1:42:A:LEU:HD23	1:96:A:LEU:HA	10	1.59
(1,992)	1:15:A:VAL:HG21	1:18:A:ARG:HA	1	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,992)	1:15:A:VAL:HG22	1:18:A:ARG:HA	1	1.59
(1,992)	1:15:A:VAL:HG23	1:18:A:ARG:HA	1	1.59
(1,844)	1:35:A:LEU:HD11	1:40:A:CYS:HB2	2	1.59
(1,844)	1:35:A:LEU:HD12	1:40:A:CYS:HB2	2	1.59
(1,844)	1:35:A:LEU:HD13	1:40:A:CYS:HB2	2	1.59
(1,827)	1:42:A:LEU:HD21	1:95:A:VAL:H	5	1.59
(1,827)	1:42:A:LEU:HD22	1:95:A:VAL:H	5	1.59
(1,827)	1:42:A:LEU:HD23	1:95:A:VAL:H	5	1.59
(1,605)	1:39:A:THR:HB	1:99:A:HIS:HB2	8	1.59
(1,543)	1:34:A:HIS:HB2	1:40:A:CYS:HB3	11	1.59
(1,543)	1:34:A:HIS:HB3	1:40:A:CYS:HB3	11	1.59
(1,496)	1:40:A:CYS:HB3	1:98:A:PRO:HB3	16	1.59
(1,321)	1:33:A:GLU:HG3	1:36:A:LYS:HE2	8	1.59
(1,321)	1:33:A:GLU:HG3	1:36:A:LYS:HE3	8	1.59
(1,64)	1:7:A:LEU:HB2	1:41:A:GLY:HA3	15	1.59
(1,1100)	1:58:A:VAL:HG21	1:77:A:LEU:HB3	7	1.58
(1,1100)	1:58:A:VAL:HG22	1:77:A:LEU:HB3	7	1.58
(1,1100)	1:58:A:VAL:HG23	1:77:A:LEU:HB3	7	1.58
(1,816)	1:63:A:SER:HB3	1:75:A:VAL:H	5	1.58
(1,734)	1:77:A:LEU:HA	1:96:A:LEU:HD11	7	1.58
(1,734)	1:77:A:LEU:HA	1:96:A:LEU:HD12	7	1.58
(1,734)	1:77:A:LEU:HA	1:96:A:LEU:HD13	7	1.58
(1,638)	1:89:A:SER:HB2	1:91:A:ILE:HG12	12	1.58
(1,602)	1:54:A:GLU:HA	1:55:A:GLN:HB3	14	1.58
(1,496)	1:40:A:CYS:HB3	1:98:A:PRO:HB3	5	1.58
(1,494)	1:7:A:LEU:HD11	1:40:A:CYS:HB2	15	1.58
(1,494)	1:7:A:LEU:HD12	1:40:A:CYS:HB2	15	1.58
(1,494)	1:7:A:LEU:HD13	1:40:A:CYS:HB2	15	1.58
(1,236)	1:23:A:SER:HA	1:26:A:GLU:HG2	6	1.58
(1,144)	1:73:A:LYS:HE2	1:93:A:LEU:HD21	1	1.58
(1,144)	1:73:A:LYS:HE2	1:93:A:LEU:HD22	1	1.58
(1,144)	1:73:A:LYS:HE2	1:93:A:LEU:HD23	1	1.58
(1,144)	1:73:A:LYS:HE3	1:93:A:LEU:HD21	1	1.58
(1,144)	1:73:A:LYS:HE3	1:93:A:LEU:HD22	1	1.58
(1,144)	1:73:A:LYS:HE3	1:93:A:LEU:HD23	1	1.58
(1,64)	1:7:A:LEU:HB2	1:41:A:GLY:HA3	16	1.58
(1,2075)	1:42:A:LEU:H	1:96:A:LEU:HD21	12	1.57
(1,2075)	1:42:A:LEU:H	1:96:A:LEU:HD22	12	1.57
(1,2075)	1:42:A:LEU:H	1:96:A:LEU:HD23	12	1.57
(1,1315)	1:16:A:LEU:HB2	1:17:A:VAL:HG21	19	1.57
(1,1315)	1:16:A:LEU:HB2	1:17:A:VAL:HG22	19	1.57
(1,1315)	1:16:A:LEU:HB2	1:17:A:VAL:HG23	19	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1315)	1:16:A:LEU:HB3	1:17:A:VAL:HG21	19	1.57
(1,1315)	1:16:A:LEU:HB3	1:17:A:VAL:HG22	19	1.57
(1,1315)	1:16:A:LEU:HB3	1:17:A:VAL:HG23	19	1.57
(1,1186)	1:72:A:HIS:H	1:74:A:VAL:HG11	19	1.57
(1,1186)	1:72:A:HIS:H	1:74:A:VAL:HG12	19	1.57
(1,1186)	1:72:A:HIS:H	1:74:A:VAL:HG13	19	1.57
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD21	13	1.57
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD22	13	1.57
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD23	13	1.57
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD21	13	1.57
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD22	13	1.57
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD23	13	1.57
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD21	13	1.57
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD22	13	1.57
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD23	13	1.57
(1,638)	1:89:A:SER:HB2	1:91:A:ILE:HG12	8	1.57
(1,496)	1:40:A:CYS:HB3	1:98:A:PRO:HB3	19	1.57
(1,496)	1:40:A:CYS:HB3	1:98:A:PRO:HB3	20	1.57
(1,494)	1:7:A:LEU:HD11	1:40:A:CYS:HB2	17	1.57
(1,494)	1:7:A:LEU:HD12	1:40:A:CYS:HB2	17	1.57
(1,494)	1:7:A:LEU:HD13	1:40:A:CYS:HB2	17	1.57
(1,64)	1:7:A:LEU:HB2	1:41:A:GLY:HA3	17	1.57
(1,64)	1:7:A:LEU:HB2	1:41:A:GLY:HA3	19	1.57
(1,2124)	1:63:A:SER:H	1:76:A:GLU:HB2	12	1.56
(1,1100)	1:58:A:VAL:HG21	1:77:A:LEU:HB3	18	1.56
(1,1100)	1:58:A:VAL:HG22	1:77:A:LEU:HB3	18	1.56
(1,1100)	1:58:A:VAL:HG23	1:77:A:LEU:HB3	18	1.56
(1,989)	1:15:A:VAL:HG21	1:17:A:VAL:H	9	1.56
(1,989)	1:15:A:VAL:HG22	1:17:A:VAL:H	9	1.56
(1,989)	1:15:A:VAL:HG23	1:17:A:VAL:H	9	1.56
(1,816)	1:63:A:SER:HB3	1:75:A:VAL:H	10	1.56
(1,602)	1:54:A:GLU:HA	1:55:A:GLN:HB3	18	1.56
(1,209)	1:42:A:LEU:HD11	1:44:A:GLU:HG3	11	1.56
(1,209)	1:42:A:LEU:HD12	1:44:A:GLU:HG3	11	1.56
(1,209)	1:42:A:LEU:HD13	1:44:A:GLU:HG3	11	1.56
(1,161)	1:11:A:GLN:HB3	1:14:A:ASP:HB3	12	1.56
(1,135)	1:42:A:LEU:HD11	1:108:A:ARG:HD3	20	1.56
(1,135)	1:42:A:LEU:HD12	1:108:A:ARG:HD3	20	1.56
(1,135)	1:42:A:LEU:HD13	1:108:A:ARG:HD3	20	1.56
(1,112)	1:15:A:VAL:HG21	1:18:A:ARG:HD2	17	1.56
(1,112)	1:15:A:VAL:HG22	1:18:A:ARG:HD2	17	1.56
(1,112)	1:15:A:VAL:HG23	1:18:A:ARG:HD2	17	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,64)	1:7:A:LEU:HB2	1:41:A:GLY:HA3	2	1.56
(1,2188)	1:34:A:HIS:H	1:37:A:ASN:HB3	17	1.55
(1,1186)	1:72:A:HIS:H	1:74:A:VAL:HG11	11	1.55
(1,1186)	1:72:A:HIS:H	1:74:A:VAL:HG12	11	1.55
(1,1186)	1:72:A:HIS:H	1:74:A:VAL:HG13	11	1.55
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG11	5	1.55
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG12	5	1.55
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG13	5	1.55
(1,733)	1:7:A:LEU:HD21	1:42:A:LEU:HB3	20	1.55
(1,733)	1:7:A:LEU:HD22	1:42:A:LEU:HB3	20	1.55
(1,733)	1:7:A:LEU:HD23	1:42:A:LEU:HB3	20	1.55
(1,602)	1:54:A:GLU:HA	1:55:A:GLN:HB3	11	1.55
(1,602)	1:54:A:GLU:HA	1:55:A:GLN:HB3	16	1.55
(1,602)	1:54:A:GLU:HA	1:55:A:GLN:HB3	17	1.55
(1,2124)	1:63:A:SER:H	1:76:A:GLU:HB2	8	1.54
(1,1134)	1:50:A:LEU:HD21	1:95:A:VAL:HG11	14	1.54
(1,1134)	1:50:A:LEU:HD21	1:95:A:VAL:HG12	14	1.54
(1,1134)	1:50:A:LEU:HD21	1:95:A:VAL:HG13	14	1.54
(1,1134)	1:50:A:LEU:HD22	1:95:A:VAL:HG11	14	1.54
(1,1134)	1:50:A:LEU:HD22	1:95:A:VAL:HG12	14	1.54
(1,1134)	1:50:A:LEU:HD22	1:95:A:VAL:HG13	14	1.54
(1,1134)	1:50:A:LEU:HD23	1:95:A:VAL:HG11	14	1.54
(1,1134)	1:50:A:LEU:HD23	1:95:A:VAL:HG12	14	1.54
(1,1134)	1:50:A:LEU:HD23	1:95:A:VAL:HG13	14	1.54
(1,1100)	1:58:A:VAL:HG21	1:77:A:LEU:HB3	13	1.54
(1,1100)	1:58:A:VAL:HG22	1:77:A:LEU:HB3	13	1.54
(1,1100)	1:58:A:VAL:HG23	1:77:A:LEU:HB3	13	1.54
(1,844)	1:35:A:LEU:HD11	1:40:A:CYS:HB2	8	1.54
(1,844)	1:35:A:LEU:HD12	1:40:A:CYS:HB2	8	1.54
(1,844)	1:35:A:LEU:HD13	1:40:A:CYS:HB2	8	1.54
(1,734)	1:77:A:LEU:HA	1:96:A:LEU:HD11	3	1.54
(1,734)	1:77:A:LEU:HA	1:96:A:LEU:HD12	3	1.54
(1,734)	1:77:A:LEU:HA	1:96:A:LEU:HD13	3	1.54
(1,496)	1:40:A:CYS:HB3	1:98:A:PRO:HB3	13	1.54
(1,428)	1:63:A:SER:HB3	1:74:A:VAL:HB	6	1.54
(1,135)	1:42:A:LEU:HD11	1:108:A:ARG:HD3	11	1.54
(1,135)	1:42:A:LEU:HD12	1:108:A:ARG:HD3	11	1.54
(1,135)	1:42:A:LEU:HD13	1:108:A:ARG:HD3	11	1.54
(1,64)	1:7:A:LEU:HB2	1:41:A:GLY:HA3	12	1.54
(1,1942)	1:7:A:LEU:HD11	1:40:A:CYS:H	16	1.53
(1,1942)	1:7:A:LEU:HD12	1:40:A:CYS:H	16	1.53
(1,1942)	1:7:A:LEU:HD13	1:40:A:CYS:H	16	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1728)	1:7:A:LEU:HD11	1:8:A:PRO:HD3	19	1.53
(1,1728)	1:7:A:LEU:HD12	1:8:A:PRO:HD3	19	1.53
(1,1728)	1:7:A:LEU:HD13	1:8:A:PRO:HD3	19	1.53
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB1	3	1.53
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB2	3	1.53
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB3	3	1.53
(1,1186)	1:72:A:HIS:H	1:74:A:VAL:HG11	20	1.53
(1,1186)	1:72:A:HIS:H	1:74:A:VAL:HG12	20	1.53
(1,1186)	1:72:A:HIS:H	1:74:A:VAL:HG13	20	1.53
(1,992)	1:15:A:VAL:HG21	1:18:A:ARG:HA	19	1.53
(1,992)	1:15:A:VAL:HG22	1:18:A:ARG:HA	19	1.53
(1,992)	1:15:A:VAL:HG23	1:18:A:ARG:HA	19	1.53
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG11	2	1.53
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG12	2	1.53
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG13	2	1.53
(1,499)	1:34:A:HIS:HA	1:40:A:CYS:HB3	11	1.53
(1,496)	1:40:A:CYS:HB3	1:98:A:PRO:HB3	15	1.53
(1,393)	1:53:A:LEU:HD11	1:97:A:VAL:HB	18	1.53
(1,393)	1:53:A:LEU:HD12	1:97:A:VAL:HB	18	1.53
(1,393)	1:53:A:LEU:HD13	1:97:A:VAL:HB	18	1.53
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG11	12	1.53
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG12	12	1.53
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG13	12	1.53
(1,64)	1:7:A:LEU:HB2	1:41:A:GLY:HA3	1	1.53
(1,2243)	1:63:A:SER:HB3	1:76:A:GLU:H	5	1.52
(1,1886)	1:63:A:SER:HB2	1:65:A:ALA:H	10	1.52
(1,1184)	1:63:A:SER:HB3	1:74:A:VAL:HG21	10	1.52
(1,1184)	1:63:A:SER:HB3	1:74:A:VAL:HG22	10	1.52
(1,1184)	1:63:A:SER:HB3	1:74:A:VAL:HG23	10	1.52
(1,989)	1:15:A:VAL:HG21	1:17:A:VAL:H	2	1.52
(1,989)	1:15:A:VAL:HG22	1:17:A:VAL:H	2	1.52
(1,989)	1:15:A:VAL:HG23	1:17:A:VAL:H	2	1.52
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG11	10	1.52
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG12	10	1.52
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG13	10	1.52
(1,496)	1:40:A:CYS:HB3	1:98:A:PRO:HB3	18	1.52
(1,464)	1:51:A:PRO:HB3	1:52:A:GLN:HG2	2	1.52
(1,64)	1:7:A:LEU:HB2	1:41:A:GLY:HA3	4	1.52
(1,1941)	1:35:A:LEU:HD11	1:40:A:CYS:H	9	1.51
(1,1941)	1:35:A:LEU:HD12	1:40:A:CYS:H	9	1.51
(1,1941)	1:35:A:LEU:HD13	1:40:A:CYS:H	9	1.51
(1,1647)	1:42:A:LEU:HD21	1:96:A:LEU:HA	17	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1647)	1:42:A:LEU:HD22	1:96:A:LEU:HA	17	1.51
(1,1647)	1:42:A:LEU:HD23	1:96:A:LEU:HA	17	1.51
(1,1512)	1:56:A:PRO:HB2	1:81:A:MET:HA	2	1.51
(1,1315)	1:16:A:LEU:HB2	1:17:A:VAL:HG21	4	1.51
(1,1315)	1:16:A:LEU:HB2	1:17:A:VAL:HG22	4	1.51
(1,1315)	1:16:A:LEU:HB2	1:17:A:VAL:HG23	4	1.51
(1,1315)	1:16:A:LEU:HB3	1:17:A:VAL:HG21	4	1.51
(1,1315)	1:16:A:LEU:HB3	1:17:A:VAL:HG22	4	1.51
(1,1315)	1:16:A:LEU:HB3	1:17:A:VAL:HG23	4	1.51
(1,986)	1:42:A:LEU:HA	1:96:A:LEU:HD21	7	1.51
(1,986)	1:42:A:LEU:HA	1:96:A:LEU:HD22	7	1.51
(1,986)	1:42:A:LEU:HA	1:96:A:LEU:HD23	7	1.51
(1,494)	1:7:A:LEU:HD11	1:40:A:CYS:HB2	14	1.51
(1,494)	1:7:A:LEU:HD12	1:40:A:CYS:HB2	14	1.51
(1,494)	1:7:A:LEU:HD13	1:40:A:CYS:HB2	14	1.51
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG11	10	1.51
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG12	10	1.51
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG13	10	1.51
(1,139)	1:63:A:SER:HB2	1:66:A:LEU:HB2	7	1.51
(1,64)	1:7:A:LEU:HB2	1:41:A:GLY:HA3	5	1.51
(1,2282)	1:8:A:PRO:HG3	1:41:A:GLY:H	4	1.5
(1,1647)	1:42:A:LEU:HD21	1:96:A:LEU:HA	5	1.5
(1,1647)	1:42:A:LEU:HD22	1:96:A:LEU:HA	5	1.5
(1,1647)	1:42:A:LEU:HD23	1:96:A:LEU:HA	5	1.5
(1,1345)	1:100:A:VAL:HG11	1:102:A:GLU:HA	18	1.5
(1,1345)	1:100:A:VAL:HG12	1:102:A:GLU:HA	18	1.5
(1,1345)	1:100:A:VAL:HG13	1:102:A:GLU:HA	18	1.5
(1,1264)	1:49:A:VAL:HG21	1:50:A:LEU:HA	14	1.5
(1,1264)	1:49:A:VAL:HG22	1:50:A:LEU:HA	14	1.5
(1,1264)	1:49:A:VAL:HG23	1:50:A:LEU:HA	14	1.5
(1,1264)	1:49:A:VAL:HG21	1:50:A:LEU:HA	18	1.5
(1,1264)	1:49:A:VAL:HG22	1:50:A:LEU:HA	18	1.5
(1,1264)	1:49:A:VAL:HG23	1:50:A:LEU:HA	18	1.5
(1,1184)	1:63:A:SER:HB3	1:74:A:VAL:HG21	1	1.5
(1,1184)	1:63:A:SER:HB3	1:74:A:VAL:HG22	1	1.5
(1,1184)	1:63:A:SER:HB3	1:74:A:VAL:HG23	1	1.5
(1,1134)	1:50:A:LEU:HD21	1:95:A:VAL:HG11	6	1.5
(1,1134)	1:50:A:LEU:HD21	1:95:A:VAL:HG12	6	1.5
(1,1134)	1:50:A:LEU:HD21	1:95:A:VAL:HG13	6	1.5
(1,1134)	1:50:A:LEU:HD22	1:95:A:VAL:HG11	6	1.5
(1,1134)	1:50:A:LEU:HD22	1:95:A:VAL:HG12	6	1.5
(1,1134)	1:50:A:LEU:HD22	1:95:A:VAL:HG13	6	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1134)	1:50:A:LEU:HD23	1:95:A:VAL:HG11	6	1.5
(1,1134)	1:50:A:LEU:HD23	1:95:A:VAL:HG12	6	1.5
(1,1134)	1:50:A:LEU:HD23	1:95:A:VAL:HG13	6	1.5
(1,1026)	1:15:A:VAL:HG21	1:18:A:ARG:HD3	17	1.5
(1,1026)	1:15:A:VAL:HG22	1:18:A:ARG:HD3	17	1.5
(1,1026)	1:15:A:VAL:HG23	1:18:A:ARG:HD3	17	1.5
(1,1024)	1:15:A:VAL:HG21	1:18:A:ARG:H	19	1.5
(1,1024)	1:15:A:VAL:HG22	1:18:A:ARG:H	19	1.5
(1,1024)	1:15:A:VAL:HG23	1:18:A:ARG:H	19	1.5
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG11	15	1.5
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG12	15	1.5
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG13	15	1.5
(1,816)	1:63:A:SER:HB3	1:75:A:VAL:H	19	1.5
(1,734)	1:77:A:LEU:HA	1:96:A:LEU:HD11	17	1.5
(1,734)	1:77:A:LEU:HA	1:96:A:LEU:HD12	17	1.5
(1,734)	1:77:A:LEU:HA	1:96:A:LEU:HD13	17	1.5
(1,521)	1:59:A:PHE:HB2	1:92:A:THR:HB	3	1.5
(1,2124)	1:63:A:SER:H	1:76:A:GLU:HB2	18	1.49
(1,1941)	1:35:A:LEU:HD11	1:40:A:CYS:H	13	1.49
(1,1941)	1:35:A:LEU:HD12	1:40:A:CYS:H	13	1.49
(1,1941)	1:35:A:LEU:HD13	1:40:A:CYS:H	13	1.49
(1,1264)	1:49:A:VAL:HG21	1:50:A:LEU:HA	9	1.49
(1,1264)	1:49:A:VAL:HG22	1:50:A:LEU:HA	9	1.49
(1,1264)	1:49:A:VAL:HG23	1:50:A:LEU:HA	9	1.49
(1,1184)	1:63:A:SER:HB3	1:74:A:VAL:HG21	19	1.49
(1,1184)	1:63:A:SER:HB3	1:74:A:VAL:HG22	19	1.49
(1,1184)	1:63:A:SER:HB3	1:74:A:VAL:HG23	19	1.49
(1,1169)	1:74:A:VAL:HG21	1:113:A:ARG:HD2	8	1.49
(1,1169)	1:74:A:VAL:HG21	1:113:A:ARG:HD3	8	1.49
(1,1169)	1:74:A:VAL:HG22	1:113:A:ARG:HD2	8	1.49
(1,1169)	1:74:A:VAL:HG22	1:113:A:ARG:HD3	8	1.49
(1,1169)	1:74:A:VAL:HG23	1:113:A:ARG:HD2	8	1.49
(1,1169)	1:74:A:VAL:HG23	1:113:A:ARG:HD3	8	1.49
(1,1100)	1:58:A:VAL:HG21	1:77:A:LEU:HB3	14	1.49
(1,1100)	1:58:A:VAL:HG22	1:77:A:LEU:HB3	14	1.49
(1,1100)	1:58:A:VAL:HG23	1:77:A:LEU:HB3	14	1.49
(1,1024)	1:15:A:VAL:HG21	1:18:A:ARG:H	1	1.49
(1,1024)	1:15:A:VAL:HG22	1:18:A:ARG:H	1	1.49
(1,1024)	1:15:A:VAL:HG23	1:18:A:ARG:H	1	1.49
(1,1024)	1:15:A:VAL:HG21	1:18:A:ARG:H	6	1.49
(1,1024)	1:15:A:VAL:HG22	1:18:A:ARG:H	6	1.49
(1,1024)	1:15:A:VAL:HG23	1:18:A:ARG:H	6	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,992)	1:15:A:VAL:HG21	1:18:A:ARG:HA	14	1.49
(1,992)	1:15:A:VAL:HG22	1:18:A:ARG:HA	14	1.49
(1,992)	1:15:A:VAL:HG23	1:18:A:ARG:HA	14	1.49
(1,733)	1:7:A:LEU:HD21	1:42:A:LEU:HB3	18	1.49
(1,733)	1:7:A:LEU:HD22	1:42:A:LEU:HB3	18	1.49
(1,733)	1:7:A:LEU:HD23	1:42:A:LEU:HB3	18	1.49
(1,187)	1:42:A:LEU:HD21	1:60:A:ILE:HB	4	1.49
(1,187)	1:42:A:LEU:HD22	1:60:A:ILE:HB	4	1.49
(1,187)	1:42:A:LEU:HD23	1:60:A:ILE:HB	4	1.49
(1,2243)	1:63:A:SER:HB3	1:76:A:GLU:H	11	1.48
(1,2188)	1:34:A:HIS:H	1:37:A:ASN:HB3	3	1.48
(1,2188)	1:34:A:HIS:H	1:37:A:ASN:HB3	5	1.48
(1,1264)	1:49:A:VAL:HG21	1:50:A:LEU:HA	1	1.48
(1,1264)	1:49:A:VAL:HG22	1:50:A:LEU:HA	1	1.48
(1,1264)	1:49:A:VAL:HG23	1:50:A:LEU:HA	1	1.48
(1,1264)	1:49:A:VAL:HG21	1:50:A:LEU:HA	16	1.48
(1,1264)	1:49:A:VAL:HG22	1:50:A:LEU:HA	16	1.48
(1,1264)	1:49:A:VAL:HG23	1:50:A:LEU:HA	16	1.48
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD21	5	1.48
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD22	5	1.48
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD23	5	1.48
(1,1116)	1:50:A:LEU:HD21	1:95:A:VAL:HG21	14	1.48
(1,1116)	1:50:A:LEU:HD21	1:95:A:VAL:HG22	14	1.48
(1,1116)	1:50:A:LEU:HD21	1:95:A:VAL:HG23	14	1.48
(1,1116)	1:50:A:LEU:HD22	1:95:A:VAL:HG21	14	1.48
(1,1116)	1:50:A:LEU:HD22	1:95:A:VAL:HG22	14	1.48
(1,1116)	1:50:A:LEU:HD22	1:95:A:VAL:HG23	14	1.48
(1,1116)	1:50:A:LEU:HD23	1:95:A:VAL:HG21	14	1.48
(1,1116)	1:50:A:LEU:HD23	1:95:A:VAL:HG22	14	1.48
(1,1116)	1:50:A:LEU:HD23	1:95:A:VAL:HG23	14	1.48
(1,992)	1:15:A:VAL:HG21	1:18:A:ARG:HA	2	1.48
(1,992)	1:15:A:VAL:HG22	1:18:A:ARG:HA	2	1.48
(1,992)	1:15:A:VAL:HG23	1:18:A:ARG:HA	2	1.48
(1,844)	1:35:A:LEU:HD11	1:40:A:CYS:HB2	5	1.48
(1,844)	1:35:A:LEU:HD12	1:40:A:CYS:HB2	5	1.48
(1,844)	1:35:A:LEU:HD13	1:40:A:CYS:HB2	5	1.48
(1,816)	1:63:A:SER:HB3	1:75:A:VAL:H	11	1.48
(1,602)	1:54:A:GLU:HA	1:55:A:GLN:HB3	7	1.48
(1,393)	1:53:A:LEU:HD11	1:97:A:VAL:HB	1	1.48
(1,393)	1:53:A:LEU:HD12	1:97:A:VAL:HB	1	1.48
(1,393)	1:53:A:LEU:HD13	1:97:A:VAL:HB	1	1.48
(1,112)	1:15:A:VAL:HG21	1:18:A:ARG:HD2	15	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,112)	1:15:A:VAL:HG22	1:18:A:ARG:HD2	15	1.48
(1,112)	1:15:A:VAL:HG23	1:18:A:ARG:HD2	15	1.48
(1,2515)	1:99:A:HIS:HD2	1:102:A:GLU:HB3	6	1.47
(1,2124)	1:63:A:SER:H	1:76:A:GLU:HB2	9	1.47
(1,1264)	1:49:A:VAL:HG21	1:50:A:LEU:HA	10	1.47
(1,1264)	1:49:A:VAL:HG22	1:50:A:LEU:HA	10	1.47
(1,1264)	1:49:A:VAL:HG23	1:50:A:LEU:HA	10	1.47
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD21	17	1.47
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD22	17	1.47
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD23	17	1.47
(1,1073)	1:12:A:VAL:HA	1:53:A:LEU:HD11	18	1.47
(1,1073)	1:12:A:VAL:HA	1:53:A:LEU:HD12	18	1.47
(1,1073)	1:12:A:VAL:HA	1:53:A:LEU:HD13	18	1.47
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD21	9	1.47
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD22	9	1.47
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD23	9	1.47
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD21	9	1.47
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD22	9	1.47
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD23	9	1.47
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD21	9	1.47
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD22	9	1.47
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD23	9	1.47
(1,814)	1:15:A:VAL:HA	1:102:A:GLU:HG2	17	1.47
(1,532)	1:10:A:LEU:HB2	1:102:A:GLU:HB2	8	1.47
(1,496)	1:40:A:CYS:HB3	1:98:A:PRO:HB3	2	1.47
(1,496)	1:40:A:CYS:HB3	1:98:A:PRO:HB3	6	1.47
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG11	7	1.47
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG12	7	1.47
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG13	7	1.47
(1,223)	1:100:A:VAL:HG11	1:102:A:GLU:HG2	8	1.47
(1,223)	1:100:A:VAL:HG12	1:102:A:GLU:HG2	8	1.47
(1,223)	1:100:A:VAL:HG13	1:102:A:GLU:HG2	8	1.47
(1,223)	1:100:A:VAL:HG11	1:102:A:GLU:HG2	13	1.47
(1,223)	1:100:A:VAL:HG12	1:102:A:GLU:HG2	13	1.47
(1,223)	1:100:A:VAL:HG13	1:102:A:GLU:HG2	13	1.47
(1,161)	1:11:A:GLN:HB3	1:14:A:ASP:HB3	1	1.47
(1,161)	1:11:A:GLN:HB3	1:14:A:ASP:HB3	8	1.47
(1,1315)	1:16:A:LEU:HB2	1:17:A:VAL:HG21	12	1.46
(1,1315)	1:16:A:LEU:HB2	1:17:A:VAL:HG22	12	1.46
(1,1315)	1:16:A:LEU:HB2	1:17:A:VAL:HG23	12	1.46
(1,1315)	1:16:A:LEU:HB3	1:17:A:VAL:HG21	12	1.46
(1,1315)	1:16:A:LEU:HB3	1:17:A:VAL:HG22	12	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1315)	1:16:A:LEU:HB3	1:17:A:VAL:HG23	12	1.46
(1,1264)	1:49:A:VAL:HG21	1:50:A:LEU:HA	3	1.46
(1,1264)	1:49:A:VAL:HG22	1:50:A:LEU:HA	3	1.46
(1,1264)	1:49:A:VAL:HG23	1:50:A:LEU:HA	3	1.46
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD21	4	1.46
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD22	4	1.46
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD23	4	1.46
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD21	7	1.46
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD22	7	1.46
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD23	7	1.46
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD21	9	1.46
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD22	9	1.46
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD23	9	1.46
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD21	13	1.46
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD22	13	1.46
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD23	13	1.46
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD21	18	1.46
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD22	18	1.46
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD23	18	1.46
(1,1184)	1:63:A:SER:HB3	1:74:A:VAL:HG21	14	1.46
(1,1184)	1:63:A:SER:HB3	1:74:A:VAL:HG22	14	1.46
(1,1184)	1:63:A:SER:HB3	1:74:A:VAL:HG23	14	1.46
(1,1024)	1:15:A:VAL:HG21	1:18:A:ARG:H	13	1.46
(1,1024)	1:15:A:VAL:HG22	1:18:A:ARG:H	13	1.46
(1,1024)	1:15:A:VAL:HG23	1:18:A:ARG:H	13	1.46
(1,989)	1:15:A:VAL:HG21	1:17:A:VAL:H	12	1.46
(1,989)	1:15:A:VAL:HG22	1:17:A:VAL:H	12	1.46
(1,989)	1:15:A:VAL:HG23	1:17:A:VAL:H	12	1.46
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG11	13	1.46
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG12	13	1.46
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG13	13	1.46
(1,827)	1:42:A:LEU:HD21	1:95:A:VAL:H	20	1.46
(1,827)	1:42:A:LEU:HD22	1:95:A:VAL:H	20	1.46
(1,827)	1:42:A:LEU:HD23	1:95:A:VAL:H	20	1.46
(1,734)	1:77:A:LEU:HA	1:96:A:LEU:HD11	1	1.46
(1,734)	1:77:A:LEU:HA	1:96:A:LEU:HD12	1	1.46
(1,734)	1:77:A:LEU:HA	1:96:A:LEU:HD13	1	1.46
(1,602)	1:54:A:GLU:HA	1:55:A:GLN:HB3	1	1.46
(1,521)	1:59:A:PHE:HB2	1:92:A:THR:HB	19	1.46
(1,496)	1:40:A:CYS:HB3	1:98:A:PRO:HB3	3	1.46
(1,371)	1:76:A:GLU:HB3	1:112:A:LEU:HD21	19	1.46
(1,371)	1:76:A:GLU:HB3	1:112:A:LEU:HD22	19	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,371)	1:76:A:GLU:HB3	1:112:A:LEU:HD23	19	1.46
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG11	20	1.46
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG12	20	1.46
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG13	20	1.46
(1,236)	1:23:A:SER:HA	1:26:A:GLU:HG2	4	1.46
(1,126)	1:25:A:GLU:HG3	1:28:A:LEU:HB2	11	1.46
(1,126)	1:25:A:GLU:HG3	1:28:A:LEU:HB3	11	1.46
(1,112)	1:15:A:VAL:HG21	1:18:A:ARG:HD2	11	1.46
(1,112)	1:15:A:VAL:HG22	1:18:A:ARG:HD2	11	1.46
(1,112)	1:15:A:VAL:HG23	1:18:A:ARG:HD2	11	1.46
(1,13)	1:35:A:LEU:HD11	1:38:A:GLY:HA2	12	1.46
(1,13)	1:35:A:LEU:HD11	1:38:A:GLY:HA3	12	1.46
(1,13)	1:35:A:LEU:HD12	1:38:A:GLY:HA2	12	1.46
(1,13)	1:35:A:LEU:HD12	1:38:A:GLY:HA3	12	1.46
(1,13)	1:35:A:LEU:HD13	1:38:A:GLY:HA2	12	1.46
(1,13)	1:35:A:LEU:HD13	1:38:A:GLY:HA3	12	1.46
(1,1647)	1:42:A:LEU:HD21	1:96:A:LEU:HA	13	1.45
(1,1647)	1:42:A:LEU:HD22	1:96:A:LEU:HA	13	1.45
(1,1647)	1:42:A:LEU:HD23	1:96:A:LEU:HA	13	1.45
(1,1358)	1:63:A:SER:HA	1:76:A:GLU:HB2	12	1.45
(1,1315)	1:16:A:LEU:HB2	1:17:A:VAL:HG21	5	1.45
(1,1315)	1:16:A:LEU:HB2	1:17:A:VAL:HG22	5	1.45
(1,1315)	1:16:A:LEU:HB2	1:17:A:VAL:HG23	5	1.45
(1,1315)	1:16:A:LEU:HB3	1:17:A:VAL:HG21	5	1.45
(1,1315)	1:16:A:LEU:HB3	1:17:A:VAL:HG22	5	1.45
(1,1315)	1:16:A:LEU:HB3	1:17:A:VAL:HG23	5	1.45
(1,1264)	1:49:A:VAL:HG21	1:50:A:LEU:HA	17	1.45
(1,1264)	1:49:A:VAL:HG22	1:50:A:LEU:HA	17	1.45
(1,1264)	1:49:A:VAL:HG23	1:50:A:LEU:HA	17	1.45
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD21	11	1.45
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD22	11	1.45
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD23	11	1.45
(1,1100)	1:58:A:VAL:HG21	1:77:A:LEU:HB3	12	1.45
(1,1100)	1:58:A:VAL:HG22	1:77:A:LEU:HB3	12	1.45
(1,1100)	1:58:A:VAL:HG23	1:77:A:LEU:HB3	12	1.45
(1,992)	1:15:A:VAL:HG21	1:18:A:ARG:HA	20	1.45
(1,992)	1:15:A:VAL:HG22	1:18:A:ARG:HA	20	1.45
(1,992)	1:15:A:VAL:HG23	1:18:A:ARG:HA	20	1.45
(1,989)	1:15:A:VAL:HG21	1:17:A:VAL:H	5	1.45
(1,989)	1:15:A:VAL:HG22	1:17:A:VAL:H	5	1.45
(1,989)	1:15:A:VAL:HG23	1:17:A:VAL:H	5	1.45
(1,888)	1:7:A:LEU:HD11	1:40:A:CYS:HA	19	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,888)	1:7:A:LEU:HD12	1:40:A:CYS:HA	19	1.45
(1,888)	1:7:A:LEU:HD13	1:40:A:CYS:HA	19	1.45
(1,521)	1:59:A:PHE:HB2	1:92:A:THR:HB	6	1.45
(1,521)	1:59:A:PHE:HB2	1:92:A:THR:HB	17	1.45
(1,494)	1:7:A:LEU:HD11	1:40:A:CYS:HB2	2	1.45
(1,494)	1:7:A:LEU:HD12	1:40:A:CYS:HB2	2	1.45
(1,494)	1:7:A:LEU:HD13	1:40:A:CYS:HB2	2	1.45
(1,209)	1:42:A:LEU:HD11	1:44:A:GLU:HG3	6	1.45
(1,209)	1:42:A:LEU:HD12	1:44:A:GLU:HG3	6	1.45
(1,209)	1:42:A:LEU:HD13	1:44:A:GLU:HG3	6	1.45
(1,209)	1:42:A:LEU:HD11	1:44:A:GLU:HG3	16	1.45
(1,209)	1:42:A:LEU:HD12	1:44:A:GLU:HG3	16	1.45
(1,209)	1:42:A:LEU:HD13	1:44:A:GLU:HG3	16	1.45
(1,209)	1:42:A:LEU:HD11	1:44:A:GLU:HG3	19	1.45
(1,209)	1:42:A:LEU:HD12	1:44:A:GLU:HG3	19	1.45
(1,209)	1:42:A:LEU:HD13	1:44:A:GLU:HG3	19	1.45
(1,112)	1:15:A:VAL:HG21	1:18:A:ARG:HD2	19	1.45
(1,112)	1:15:A:VAL:HG22	1:18:A:ARG:HD2	19	1.45
(1,112)	1:15:A:VAL:HG23	1:18:A:ARG:HD2	19	1.45
(1,2188)	1:34:A:HIS:H	1:37:A:ASN:HB3	6	1.44
(1,1581)	1:24:A:VAL:HG11	1:81:A:MET:HE1	7	1.44
(1,1581)	1:24:A:VAL:HG11	1:81:A:MET:HE2	7	1.44
(1,1581)	1:24:A:VAL:HG11	1:81:A:MET:HE3	7	1.44
(1,1581)	1:24:A:VAL:HG12	1:81:A:MET:HE1	7	1.44
(1,1581)	1:24:A:VAL:HG12	1:81:A:MET:HE2	7	1.44
(1,1581)	1:24:A:VAL:HG12	1:81:A:MET:HE3	7	1.44
(1,1581)	1:24:A:VAL:HG13	1:81:A:MET:HE1	7	1.44
(1,1581)	1:24:A:VAL:HG13	1:81:A:MET:HE2	7	1.44
(1,1581)	1:24:A:VAL:HG13	1:81:A:MET:HE3	7	1.44
(1,1264)	1:49:A:VAL:HG21	1:50:A:LEU:HA	6	1.44
(1,1264)	1:49:A:VAL:HG22	1:50:A:LEU:HA	6	1.44
(1,1264)	1:49:A:VAL:HG23	1:50:A:LEU:HA	6	1.44
(1,1264)	1:49:A:VAL:HG21	1:50:A:LEU:HA	20	1.44
(1,1264)	1:49:A:VAL:HG22	1:50:A:LEU:HA	20	1.44
(1,1264)	1:49:A:VAL:HG23	1:50:A:LEU:HA	20	1.44
(1,1184)	1:63:A:SER:HB3	1:74:A:VAL:HG21	8	1.44
(1,1184)	1:63:A:SER:HB3	1:74:A:VAL:HG22	8	1.44
(1,1184)	1:63:A:SER:HB3	1:74:A:VAL:HG23	8	1.44
(1,992)	1:15:A:VAL:HG21	1:18:A:ARG:HA	7	1.44
(1,992)	1:15:A:VAL:HG22	1:18:A:ARG:HA	7	1.44
(1,992)	1:15:A:VAL:HG23	1:18:A:ARG:HA	7	1.44
(1,986)	1:42:A:LEU:HA	1:96:A:LEU:HD21	3	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,986)	1:42:A:LEU:HA	1:96:A:LEU:HD22	3	1.44
(1,986)	1:42:A:LEU:HA	1:96:A:LEU:HD23	3	1.44
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG11	13	1.44
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG12	13	1.44
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG13	13	1.44
(1,733)	1:7:A:LEU:HD21	1:42:A:LEU:HB3	2	1.44
(1,733)	1:7:A:LEU:HD22	1:42:A:LEU:HB3	2	1.44
(1,733)	1:7:A:LEU:HD23	1:42:A:LEU:HB3	2	1.44
(1,521)	1:59:A:PHE:HB2	1:92:A:THR:HB	8	1.44
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG11	14	1.44
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG12	14	1.44
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG13	14	1.44
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG11	16	1.44
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG12	16	1.44
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG13	16	1.44
(1,112)	1:15:A:VAL:HG21	1:18:A:ARG:HD2	6	1.44
(1,112)	1:15:A:VAL:HG22	1:18:A:ARG:HD2	6	1.44
(1,112)	1:15:A:VAL:HG23	1:18:A:ARG:HD2	6	1.44
(1,2124)	1:63:A:SER:H	1:76:A:GLU:HB2	13	1.43
(1,1942)	1:7:A:LEU:HD11	1:40:A:CYS:H	4	1.43
(1,1942)	1:7:A:LEU:HD12	1:40:A:CYS:H	4	1.43
(1,1942)	1:7:A:LEU:HD13	1:40:A:CYS:H	4	1.43
(1,1184)	1:63:A:SER:HB3	1:74:A:VAL:HG21	3	1.43
(1,1184)	1:63:A:SER:HB3	1:74:A:VAL:HG22	3	1.43
(1,1184)	1:63:A:SER:HB3	1:74:A:VAL:HG23	3	1.43
(1,1093)	1:58:A:VAL:HG21	1:78:A:VAL:H	17	1.43
(1,1093)	1:58:A:VAL:HG22	1:78:A:VAL:H	17	1.43
(1,1093)	1:58:A:VAL:HG23	1:78:A:VAL:H	17	1.43
(1,989)	1:15:A:VAL:HG21	1:17:A:VAL:H	8	1.43
(1,989)	1:15:A:VAL:HG22	1:17:A:VAL:H	8	1.43
(1,989)	1:15:A:VAL:HG23	1:17:A:VAL:H	8	1.43
(1,814)	1:15:A:VAL:HA	1:102:A:GLU:HG2	15	1.43
(1,654)	1:42:A:LEU:HG	1:96:A:LEU:HD21	17	1.43
(1,654)	1:42:A:LEU:HG	1:96:A:LEU:HD22	17	1.43
(1,654)	1:42:A:LEU:HG	1:96:A:LEU:HD23	17	1.43
(1,605)	1:39:A:THR:HB	1:99:A:HIS:HB2	10	1.43
(1,236)	1:23:A:SER:HA	1:26:A:GLU:HG2	15	1.43
(1,2515)	1:99:A:HIS:HD2	1:102:A:GLU:HB3	20	1.42
(1,2414)	1:59:A:PHE:HB2	1:94:A:GLY:H	14	1.42
(1,1498)	1:112:A:LEU:HD21	1:113:A:ARG:HA	10	1.42
(1,1498)	1:112:A:LEU:HD22	1:113:A:ARG:HA	10	1.42
(1,1498)	1:112:A:LEU:HD23	1:113:A:ARG:HA	10	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1345)	1:100:A:VAL:HG11	1:102:A:GLU:HA	20	1.42
(1,1345)	1:100:A:VAL:HG12	1:102:A:GLU:HA	20	1.42
(1,1345)	1:100:A:VAL:HG13	1:102:A:GLU:HA	20	1.42
(1,1264)	1:49:A:VAL:HG21	1:50:A:LEU:HA	15	1.42
(1,1264)	1:49:A:VAL:HG22	1:50:A:LEU:HA	15	1.42
(1,1264)	1:49:A:VAL:HG23	1:50:A:LEU:HA	15	1.42
(1,1100)	1:58:A:VAL:HG21	1:77:A:LEU:HB3	19	1.42
(1,1100)	1:58:A:VAL:HG22	1:77:A:LEU:HB3	19	1.42
(1,1100)	1:58:A:VAL:HG23	1:77:A:LEU:HB3	19	1.42
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD21	2	1.42
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD22	2	1.42
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD23	2	1.42
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD21	2	1.42
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD22	2	1.42
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD23	2	1.42
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD21	2	1.42
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD22	2	1.42
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD23	2	1.42
(1,112)	1:15:A:VAL:HG21	1:18:A:ARG:HD2	18	1.42
(1,112)	1:15:A:VAL:HG22	1:18:A:ARG:HD2	18	1.42
(1,112)	1:15:A:VAL:HG23	1:18:A:ARG:HD2	18	1.42
(1,1345)	1:100:A:VAL:HG11	1:102:A:GLU:HA	7	1.41
(1,1345)	1:100:A:VAL:HG12	1:102:A:GLU:HA	7	1.41
(1,1345)	1:100:A:VAL:HG13	1:102:A:GLU:HA	7	1.41
(1,1315)	1:16:A:LEU:HB2	1:17:A:VAL:HG21	2	1.41
(1,1315)	1:16:A:LEU:HB2	1:17:A:VAL:HG22	2	1.41
(1,1315)	1:16:A:LEU:HB2	1:17:A:VAL:HG23	2	1.41
(1,1315)	1:16:A:LEU:HB3	1:17:A:VAL:HG21	2	1.41
(1,1315)	1:16:A:LEU:HB3	1:17:A:VAL:HG22	2	1.41
(1,1315)	1:16:A:LEU:HB3	1:17:A:VAL:HG23	2	1.41
(1,1264)	1:49:A:VAL:HG21	1:50:A:LEU:HA	2	1.41
(1,1264)	1:49:A:VAL:HG22	1:50:A:LEU:HA	2	1.41
(1,1264)	1:49:A:VAL:HG23	1:50:A:LEU:HA	2	1.41
(1,1264)	1:49:A:VAL:HG21	1:50:A:LEU:HA	8	1.41
(1,1264)	1:49:A:VAL:HG22	1:50:A:LEU:HA	8	1.41
(1,1264)	1:49:A:VAL:HG23	1:50:A:LEU:HA	8	1.41
(1,1264)	1:49:A:VAL:HG21	1:50:A:LEU:HA	13	1.41
(1,1264)	1:49:A:VAL:HG22	1:50:A:LEU:HA	13	1.41
(1,1264)	1:49:A:VAL:HG23	1:50:A:LEU:HA	13	1.41
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD21	8	1.41
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD22	8	1.41
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD23	8	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1034)	1:8:A:PRO:HB3	1:104:A:PRO:HA	14	1.41
(1,1024)	1:15:A:VAL:HG21	1:18:A:ARG:H	10	1.41
(1,1024)	1:15:A:VAL:HG22	1:18:A:ARG:H	10	1.41
(1,1024)	1:15:A:VAL:HG23	1:18:A:ARG:H	10	1.41
(1,992)	1:15:A:VAL:HG21	1:18:A:ARG:HA	5	1.41
(1,992)	1:15:A:VAL:HG22	1:18:A:ARG:HA	5	1.41
(1,992)	1:15:A:VAL:HG23	1:18:A:ARG:HA	5	1.41
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG11	20	1.41
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG12	20	1.41
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG13	20	1.41
(1,827)	1:42:A:LEU:HD21	1:95:A:VAL:H	6	1.41
(1,827)	1:42:A:LEU:HD22	1:95:A:VAL:H	6	1.41
(1,827)	1:42:A:LEU:HD23	1:95:A:VAL:H	6	1.41
(1,552)	1:17:A:VAL:HG11	1:18:A:ARG:HG2	12	1.41
(1,552)	1:17:A:VAL:HG12	1:18:A:ARG:HG2	12	1.41
(1,552)	1:17:A:VAL:HG13	1:18:A:ARG:HG2	12	1.41
(1,428)	1:63:A:SER:HB3	1:74:A:VAL:HB	5	1.41
(1,2100)	1:63:A:SER:HB2	1:66:A:LEU:H	6	1.4
(1,1886)	1:63:A:SER:HB2	1:65:A:ALA:H	6	1.4
(1,1345)	1:100:A:VAL:HG11	1:102:A:GLU:HA	17	1.4
(1,1345)	1:100:A:VAL:HG12	1:102:A:GLU:HA	17	1.4
(1,1345)	1:100:A:VAL:HG13	1:102:A:GLU:HA	17	1.4
(1,1024)	1:15:A:VAL:HG21	1:18:A:ARG:H	20	1.4
(1,1024)	1:15:A:VAL:HG22	1:18:A:ARG:H	20	1.4
(1,1024)	1:15:A:VAL:HG23	1:18:A:ARG:H	20	1.4
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG11	12	1.4
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG12	12	1.4
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG13	12	1.4
(1,835)	1:42:A:LEU:HD21	1:60:A:ILE:HG12	5	1.4
(1,835)	1:42:A:LEU:HD22	1:60:A:ILE:HG12	5	1.4
(1,835)	1:42:A:LEU:HD23	1:60:A:ILE:HG12	5	1.4
(1,733)	1:7:A:LEU:HD21	1:42:A:LEU:HB3	6	1.4
(1,733)	1:7:A:LEU:HD22	1:42:A:LEU:HB3	6	1.4
(1,733)	1:7:A:LEU:HD23	1:42:A:LEU:HB3	6	1.4
(1,496)	1:40:A:CYS:HB3	1:98:A:PRO:HB3	14	1.4
(1,187)	1:42:A:LEU:HD21	1:60:A:ILE:HB	12	1.4
(1,187)	1:42:A:LEU:HD22	1:60:A:ILE:HB	12	1.4
(1,187)	1:42:A:LEU:HD23	1:60:A:ILE:HB	12	1.4
(1,112)	1:15:A:VAL:HG21	1:18:A:ARG:HD2	12	1.4
(1,112)	1:15:A:VAL:HG22	1:18:A:ARG:HD2	12	1.4
(1,112)	1:15:A:VAL:HG23	1:18:A:ARG:HD2	12	1.4
(1,35)	1:21:A:GLY:HA2	1:26:A:GLU:HG3	4	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2515)	1:99:A:HIS:HD2	1:102:A:GLU:HB3	4	1.39
(1,2124)	1:63:A:SER:H	1:76:A:GLU:HB2	2	1.39
(1,1941)	1:35:A:LEU:HD11	1:40:A:CYS:H	7	1.39
(1,1941)	1:35:A:LEU:HD12	1:40:A:CYS:H	7	1.39
(1,1941)	1:35:A:LEU:HD13	1:40:A:CYS:H	7	1.39
(1,1512)	1:56:A:PRO:HB2	1:81:A:MET:HA	17	1.39
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB1	10	1.39
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB2	10	1.39
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB3	10	1.39
(1,1100)	1:58:A:VAL:HG21	1:77:A:LEU:HB3	11	1.39
(1,1100)	1:58:A:VAL:HG22	1:77:A:LEU:HB3	11	1.39
(1,1100)	1:58:A:VAL:HG23	1:77:A:LEU:HB3	11	1.39
(1,1024)	1:15:A:VAL:HG21	1:18:A:ARG:H	4	1.39
(1,1024)	1:15:A:VAL:HG22	1:18:A:ARG:H	4	1.39
(1,1024)	1:15:A:VAL:HG23	1:18:A:ARG:H	4	1.39
(1,1024)	1:15:A:VAL:HG21	1:18:A:ARG:H	7	1.39
(1,1024)	1:15:A:VAL:HG22	1:18:A:ARG:H	7	1.39
(1,1024)	1:15:A:VAL:HG23	1:18:A:ARG:H	7	1.39
(1,913)	1:15:A:VAL:HG21	1:17:A:VAL:HA	2	1.39
(1,913)	1:15:A:VAL:HG22	1:17:A:VAL:HA	2	1.39
(1,913)	1:15:A:VAL:HG23	1:17:A:VAL:HA	2	1.39
(1,913)	1:15:A:VAL:HG21	1:17:A:VAL:HA	11	1.39
(1,913)	1:15:A:VAL:HG22	1:17:A:VAL:HA	11	1.39
(1,913)	1:15:A:VAL:HG23	1:17:A:VAL:HA	11	1.39
(1,889)	1:112:A:LEU:HD21	1:113:A:ARG:HD2	1	1.39
(1,889)	1:112:A:LEU:HD21	1:113:A:ARG:HD3	1	1.39
(1,889)	1:112:A:LEU:HD22	1:113:A:ARG:HD2	1	1.39
(1,889)	1:112:A:LEU:HD22	1:113:A:ARG:HD3	1	1.39
(1,889)	1:112:A:LEU:HD23	1:113:A:ARG:HD2	1	1.39
(1,889)	1:112:A:LEU:HD23	1:113:A:ARG:HD3	1	1.39
(1,816)	1:63:A:SER:HB3	1:75:A:VAL:H	6	1.39
(1,734)	1:77:A:LEU:HA	1:96:A:LEU:HD11	6	1.39
(1,734)	1:77:A:LEU:HA	1:96:A:LEU:HD12	6	1.39
(1,734)	1:77:A:LEU:HA	1:96:A:LEU:HD13	6	1.39
(1,552)	1:17:A:VAL:HG11	1:18:A:ARG:HG2	3	1.39
(1,552)	1:17:A:VAL:HG12	1:18:A:ARG:HG2	3	1.39
(1,552)	1:17:A:VAL:HG13	1:18:A:ARG:HG2	3	1.39
(1,552)	1:17:A:VAL:HG11	1:18:A:ARG:HG2	7	1.39
(1,552)	1:17:A:VAL:HG12	1:18:A:ARG:HG2	7	1.39
(1,552)	1:17:A:VAL:HG13	1:18:A:ARG:HG2	7	1.39
(1,64)	1:7:A:LEU:HB2	1:41:A:GLY:HA3	7	1.39
(1,2515)	1:99:A:HIS:HD2	1:102:A:GLU:HB3	1	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1728)	1:7:A:LEU:HD11	1:8:A:PRO:HD3	5	1.38
(1,1728)	1:7:A:LEU:HD12	1:8:A:PRO:HD3	5	1.38
(1,1728)	1:7:A:LEU:HD13	1:8:A:PRO:HD3	5	1.38
(1,1134)	1:50:A:LEU:HD21	1:95:A:VAL:HG11	3	1.38
(1,1134)	1:50:A:LEU:HD21	1:95:A:VAL:HG12	3	1.38
(1,1134)	1:50:A:LEU:HD21	1:95:A:VAL:HG13	3	1.38
(1,1134)	1:50:A:LEU:HD22	1:95:A:VAL:HG11	3	1.38
(1,1134)	1:50:A:LEU:HD22	1:95:A:VAL:HG12	3	1.38
(1,1134)	1:50:A:LEU:HD22	1:95:A:VAL:HG13	3	1.38
(1,1134)	1:50:A:LEU:HD23	1:95:A:VAL:HG11	3	1.38
(1,1134)	1:50:A:LEU:HD23	1:95:A:VAL:HG12	3	1.38
(1,1134)	1:50:A:LEU:HD23	1:95:A:VAL:HG13	3	1.38
(1,1024)	1:15:A:VAL:HG21	1:18:A:ARG:H	9	1.38
(1,1024)	1:15:A:VAL:HG22	1:18:A:ARG:H	9	1.38
(1,1024)	1:15:A:VAL:HG23	1:18:A:ARG:H	9	1.38
(1,992)	1:15:A:VAL:HG21	1:18:A:ARG:HA	4	1.38
(1,992)	1:15:A:VAL:HG22	1:18:A:ARG:HA	4	1.38
(1,992)	1:15:A:VAL:HG23	1:18:A:ARG:HA	4	1.38
(1,986)	1:42:A:LEU:HA	1:96:A:LEU:HD21	4	1.38
(1,986)	1:42:A:LEU:HA	1:96:A:LEU:HD22	4	1.38
(1,986)	1:42:A:LEU:HA	1:96:A:LEU:HD23	4	1.38
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG11	16	1.38
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG12	16	1.38
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG13	16	1.38
(1,844)	1:35:A:LEU:HD11	1:40:A:CYS:HB2	10	1.38
(1,844)	1:35:A:LEU:HD12	1:40:A:CYS:HB2	10	1.38
(1,844)	1:35:A:LEU:HD13	1:40:A:CYS:HB2	10	1.38
(1,678)	1:45:A:LEU:HG	1:50:A:LEU:HD21	14	1.38
(1,678)	1:45:A:LEU:HG	1:50:A:LEU:HD22	14	1.38
(1,678)	1:45:A:LEU:HG	1:50:A:LEU:HD23	14	1.38
(1,602)	1:54:A:GLU:HA	1:55:A:GLN:HB3	5	1.38
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG11	5	1.38
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG12	5	1.38
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG13	5	1.38
(1,187)	1:42:A:LEU:HD21	1:60:A:ILE:HB	15	1.38
(1,187)	1:42:A:LEU:HD22	1:60:A:ILE:HB	15	1.38
(1,187)	1:42:A:LEU:HD23	1:60:A:ILE:HB	15	1.38
(1,187)	1:42:A:LEU:HD21	1:60:A:ILE:HB	18	1.38
(1,187)	1:42:A:LEU:HD22	1:60:A:ILE:HB	18	1.38
(1,187)	1:42:A:LEU:HD23	1:60:A:ILE:HB	18	1.38
(1,133)	1:42:A:LEU:HD11	1:108:A:ARG:HD2	4	1.38
(1,133)	1:42:A:LEU:HD12	1:108:A:ARG:HD2	4	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,133)	1:42:A:LEU:HD13	1:108:A:ARG:HD2	4	1.38
(1,112)	1:15:A:VAL:HG21	1:18:A:ARG:HD2	9	1.38
(1,112)	1:15:A:VAL:HG22	1:18:A:ARG:HD2	9	1.38
(1,112)	1:15:A:VAL:HG23	1:18:A:ARG:HD2	9	1.38
(1,13)	1:35:A:LEU:HD11	1:38:A:GLY:HA2	8	1.38
(1,13)	1:35:A:LEU:HD11	1:38:A:GLY:HA3	8	1.38
(1,13)	1:35:A:LEU:HD12	1:38:A:GLY:HA2	8	1.38
(1,13)	1:35:A:LEU:HD12	1:38:A:GLY:HA3	8	1.38
(1,13)	1:35:A:LEU:HD13	1:38:A:GLY:HA2	8	1.38
(1,13)	1:35:A:LEU:HD13	1:38:A:GLY:HA3	8	1.38
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG11	6	1.37
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG12	6	1.37
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG13	6	1.37
(1,1728)	1:7:A:LEU:HD11	1:8:A:PRO:HD3	16	1.37
(1,1728)	1:7:A:LEU:HD12	1:8:A:PRO:HD3	16	1.37
(1,1728)	1:7:A:LEU:HD13	1:8:A:PRO:HD3	16	1.37
(1,1581)	1:24:A:VAL:HG11	1:81:A:MET:HE1	16	1.37
(1,1581)	1:24:A:VAL:HG11	1:81:A:MET:HE2	16	1.37
(1,1581)	1:24:A:VAL:HG11	1:81:A:MET:HE3	16	1.37
(1,1581)	1:24:A:VAL:HG12	1:81:A:MET:HE1	16	1.37
(1,1581)	1:24:A:VAL:HG12	1:81:A:MET:HE2	16	1.37
(1,1581)	1:24:A:VAL:HG12	1:81:A:MET:HE3	16	1.37
(1,1581)	1:24:A:VAL:HG13	1:81:A:MET:HE1	16	1.37
(1,1581)	1:24:A:VAL:HG13	1:81:A:MET:HE2	16	1.37
(1,1581)	1:24:A:VAL:HG13	1:81:A:MET:HE3	16	1.37
(1,1313)	1:16:A:LEU:H	1:17:A:VAL:HG21	7	1.37
(1,1313)	1:16:A:LEU:H	1:17:A:VAL:HG22	7	1.37
(1,1313)	1:16:A:LEU:H	1:17:A:VAL:HG23	7	1.37
(1,1100)	1:58:A:VAL:HG21	1:77:A:LEU:HB3	20	1.37
(1,1100)	1:58:A:VAL:HG22	1:77:A:LEU:HB3	20	1.37
(1,1100)	1:58:A:VAL:HG23	1:77:A:LEU:HB3	20	1.37
(1,1026)	1:15:A:VAL:HG21	1:18:A:ARG:HD3	7	1.37
(1,1026)	1:15:A:VAL:HG22	1:18:A:ARG:HD3	7	1.37
(1,1026)	1:15:A:VAL:HG23	1:18:A:ARG:HD3	7	1.37
(1,1024)	1:15:A:VAL:HG21	1:18:A:ARG:H	14	1.37
(1,1024)	1:15:A:VAL:HG22	1:18:A:ARG:H	14	1.37
(1,1024)	1:15:A:VAL:HG23	1:18:A:ARG:H	14	1.37
(1,882)	1:2:A:HIS:HD2	1:112:A:LEU:HD21	1	1.37
(1,882)	1:2:A:HIS:HD2	1:112:A:LEU:HD22	1	1.37
(1,882)	1:2:A:HIS:HD2	1:112:A:LEU:HD23	1	1.37
(1,827)	1:42:A:LEU:HD21	1:95:A:VAL:H	10	1.37
(1,827)	1:42:A:LEU:HD22	1:95:A:VAL:H	10	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,827)	1:42:A:LEU:HD23	1:95:A:VAL:H	10	1.37
(1,816)	1:63:A:SER:HB3	1:75:A:VAL:H	8	1.37
(1,521)	1:59:A:PHE:HB2	1:92:A:THR:HB	7	1.37
(1,521)	1:59:A:PHE:HB2	1:92:A:THR:HB	14	1.37
(1,496)	1:40:A:CYS:HB3	1:98:A:PRO:HB3	11	1.37
(1,225)	1:100:A:VAL:HG11	1:102:A:GLU:HG3	12	1.37
(1,225)	1:100:A:VAL:HG12	1:102:A:GLU:HG3	12	1.37
(1,225)	1:100:A:VAL:HG13	1:102:A:GLU:HG3	12	1.37
(1,209)	1:42:A:LEU:HD11	1:44:A:GLU:HG3	5	1.37
(1,209)	1:42:A:LEU:HD12	1:44:A:GLU:HG3	5	1.37
(1,209)	1:42:A:LEU:HD13	1:44:A:GLU:HG3	5	1.37
(1,126)	1:25:A:GLU:HG3	1:28:A:LEU:HB2	19	1.37
(1,126)	1:25:A:GLU:HG3	1:28:A:LEU:HB3	19	1.37
(1,1264)	1:49:A:VAL:HG21	1:50:A:LEU:HA	19	1.36
(1,1264)	1:49:A:VAL:HG22	1:50:A:LEU:HA	19	1.36
(1,1264)	1:49:A:VAL:HG23	1:50:A:LEU:HA	19	1.36
(1,1026)	1:15:A:VAL:HG21	1:18:A:ARG:HD3	6	1.36
(1,1026)	1:15:A:VAL:HG22	1:18:A:ARG:HD3	6	1.36
(1,1026)	1:15:A:VAL:HG23	1:18:A:ARG:HD3	6	1.36
(1,723)	1:52:A:GLN:HG3	1:53:A:LEU:HD21	16	1.36
(1,723)	1:52:A:GLN:HG3	1:53:A:LEU:HD22	16	1.36
(1,723)	1:52:A:GLN:HG3	1:53:A:LEU:HD23	16	1.36
(1,552)	1:17:A:VAL:HG11	1:18:A:ARG:HG2	6	1.36
(1,552)	1:17:A:VAL:HG12	1:18:A:ARG:HG2	6	1.36
(1,552)	1:17:A:VAL:HG13	1:18:A:ARG:HG2	6	1.36
(1,209)	1:42:A:LEU:HD11	1:44:A:GLU:HG3	3	1.36
(1,209)	1:42:A:LEU:HD12	1:44:A:GLU:HG3	3	1.36
(1,209)	1:42:A:LEU:HD13	1:44:A:GLU:HG3	3	1.36
(1,209)	1:42:A:LEU:HD11	1:44:A:GLU:HG3	4	1.36
(1,209)	1:42:A:LEU:HD12	1:44:A:GLU:HG3	4	1.36
(1,209)	1:42:A:LEU:HD13	1:44:A:GLU:HG3	4	1.36
(1,187)	1:42:A:LEU:HD21	1:60:A:ILE:HB	1	1.36
(1,187)	1:42:A:LEU:HD22	1:60:A:ILE:HB	1	1.36
(1,187)	1:42:A:LEU:HD23	1:60:A:ILE:HB	1	1.36
(1,126)	1:25:A:GLU:HG3	1:28:A:LEU:HB2	4	1.36
(1,126)	1:25:A:GLU:HG3	1:28:A:LEU:HB3	4	1.36
(1,2188)	1:34:A:HIS:H	1:37:A:ASN:HB3	13	1.35
(1,1942)	1:7:A:LEU:HD11	1:40:A:CYS:H	5	1.35
(1,1942)	1:7:A:LEU:HD12	1:40:A:CYS:H	5	1.35
(1,1942)	1:7:A:LEU:HD13	1:40:A:CYS:H	5	1.35
(1,1647)	1:42:A:LEU:HD21	1:96:A:LEU:HA	4	1.35
(1,1647)	1:42:A:LEU:HD22	1:96:A:LEU:HA	4	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1647)	1:42:A:LEU:HD23	1:96:A:LEU:HA	4	1.35
(1,1581)	1:24:A:VAL:HG11	1:81:A:MET:HE1	8	1.35
(1,1581)	1:24:A:VAL:HG11	1:81:A:MET:HE2	8	1.35
(1,1581)	1:24:A:VAL:HG11	1:81:A:MET:HE3	8	1.35
(1,1581)	1:24:A:VAL:HG12	1:81:A:MET:HE1	8	1.35
(1,1581)	1:24:A:VAL:HG12	1:81:A:MET:HE2	8	1.35
(1,1581)	1:24:A:VAL:HG12	1:81:A:MET:HE3	8	1.35
(1,1581)	1:24:A:VAL:HG13	1:81:A:MET:HE1	8	1.35
(1,1581)	1:24:A:VAL:HG13	1:81:A:MET:HE2	8	1.35
(1,1581)	1:24:A:VAL:HG13	1:81:A:MET:HE3	8	1.35
(1,1512)	1:56:A:PRO:HB2	1:81:A:MET:HA	1	1.35
(1,1026)	1:15:A:VAL:HG21	1:18:A:ARG:HD3	3	1.35
(1,1026)	1:15:A:VAL:HG22	1:18:A:ARG:HD3	3	1.35
(1,1026)	1:15:A:VAL:HG23	1:18:A:ARG:HD3	3	1.35
(1,1026)	1:15:A:VAL:HG21	1:18:A:ARG:HD3	11	1.35
(1,1026)	1:15:A:VAL:HG22	1:18:A:ARG:HD3	11	1.35
(1,1026)	1:15:A:VAL:HG23	1:18:A:ARG:HD3	11	1.35
(1,992)	1:15:A:VAL:HG21	1:18:A:ARG:HA	13	1.35
(1,992)	1:15:A:VAL:HG22	1:18:A:ARG:HA	13	1.35
(1,992)	1:15:A:VAL:HG23	1:18:A:ARG:HA	13	1.35
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG11	12	1.35
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG12	12	1.35
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG13	12	1.35
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG11	19	1.35
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG12	19	1.35
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG13	19	1.35
(1,844)	1:35:A:LEU:HD11	1:40:A:CYS:HB2	12	1.35
(1,844)	1:35:A:LEU:HD12	1:40:A:CYS:HB2	12	1.35
(1,844)	1:35:A:LEU:HD13	1:40:A:CYS:HB2	12	1.35
(1,827)	1:42:A:LEU:HD21	1:95:A:VAL:H	15	1.35
(1,827)	1:42:A:LEU:HD22	1:95:A:VAL:H	15	1.35
(1,827)	1:42:A:LEU:HD23	1:95:A:VAL:H	15	1.35
(1,187)	1:42:A:LEU:HD21	1:60:A:ILE:HB	14	1.35
(1,187)	1:42:A:LEU:HD22	1:60:A:ILE:HB	14	1.35
(1,187)	1:42:A:LEU:HD23	1:60:A:ILE:HB	14	1.35
(1,2188)	1:34:A:HIS:H	1:37:A:ASN:HB3	14	1.34
(1,1313)	1:16:A:LEU:H	1:17:A:VAL:HG21	12	1.34
(1,1313)	1:16:A:LEU:H	1:17:A:VAL:HG22	12	1.34
(1,1313)	1:16:A:LEU:H	1:17:A:VAL:HG23	12	1.34
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD21	2	1.34
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD22	2	1.34
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD23	2	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG11	4	1.34
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG12	4	1.34
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG13	4	1.34
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG11	9	1.34
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG12	9	1.34
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG13	9	1.34
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG11	15	1.34
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG12	15	1.34
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG13	15	1.34
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG11	18	1.34
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG12	18	1.34
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG13	18	1.34
(1,844)	1:35:A:LEU:HD11	1:40:A:CYS:HB2	4	1.34
(1,844)	1:35:A:LEU:HD12	1:40:A:CYS:HB2	4	1.34
(1,844)	1:35:A:LEU:HD13	1:40:A:CYS:HB2	4	1.34
(1,187)	1:42:A:LEU:HD21	1:60:A:ILE:HB	16	1.34
(1,187)	1:42:A:LEU:HD22	1:60:A:ILE:HB	16	1.34
(1,187)	1:42:A:LEU:HD23	1:60:A:ILE:HB	16	1.34
(1,64)	1:7:A:LEU:HB2	1:41:A:GLY:HA3	6	1.34
(1,2515)	1:99:A:HIS:HD2	1:102:A:GLU:HB3	5	1.33
(1,2188)	1:34:A:HIS:H	1:37:A:ASN:HB3	9	1.33
(1,2188)	1:34:A:HIS:H	1:37:A:ASN:HB3	15	1.33
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG11	3	1.33
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG12	3	1.33
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG13	3	1.33
(1,1782)	1:5:A:LEU:H	1:112:A:LEU:HB3	13	1.33
(1,1026)	1:15:A:VAL:HG21	1:18:A:ARG:HD3	9	1.33
(1,1026)	1:15:A:VAL:HG22	1:18:A:ARG:HD3	9	1.33
(1,1026)	1:15:A:VAL:HG23	1:18:A:ARG:HD3	9	1.33
(1,1026)	1:15:A:VAL:HG21	1:18:A:ARG:HD3	12	1.33
(1,1026)	1:15:A:VAL:HG22	1:18:A:ARG:HD3	12	1.33
(1,1026)	1:15:A:VAL:HG23	1:18:A:ARG:HD3	12	1.33
(1,986)	1:42:A:LEU:HA	1:96:A:LEU:HD21	6	1.33
(1,986)	1:42:A:LEU:HA	1:96:A:LEU:HD22	6	1.33
(1,986)	1:42:A:LEU:HA	1:96:A:LEU:HD23	6	1.33
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG11	14	1.33
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG12	14	1.33
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG13	14	1.33
(1,913)	1:15:A:VAL:HG21	1:17:A:VAL:HA	17	1.33
(1,913)	1:15:A:VAL:HG22	1:17:A:VAL:HA	17	1.33
(1,913)	1:15:A:VAL:HG23	1:17:A:VAL:HA	17	1.33
(1,605)	1:39:A:THR:HB	1:99:A:HIS:HB2	14	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,602)	1:54:A:GLU:HA	1:55:A:GLN:HB3	19	1.33
(1,494)	1:7:A:LEU:HD11	1:40:A:CYS:HB2	6	1.33
(1,494)	1:7:A:LEU:HD12	1:40:A:CYS:HB2	6	1.33
(1,494)	1:7:A:LEU:HD13	1:40:A:CYS:HB2	6	1.33
(1,161)	1:11:A:GLN:HB3	1:14:A:ASP:HB3	2	1.33
(1,2243)	1:63:A:SER:HB3	1:76:A:GLU:H	3	1.32
(1,2057)	1:81:A:MET:HG3	1:84:A:ILE:H	16	1.32
(1,1313)	1:16:A:LEU:H	1:17:A:VAL:HG21	3	1.32
(1,1313)	1:16:A:LEU:H	1:17:A:VAL:HG22	3	1.32
(1,1313)	1:16:A:LEU:H	1:17:A:VAL:HG23	3	1.32
(1,992)	1:15:A:VAL:HG21	1:18:A:ARG:HA	9	1.32
(1,992)	1:15:A:VAL:HG22	1:18:A:ARG:HA	9	1.32
(1,992)	1:15:A:VAL:HG23	1:18:A:ARG:HA	9	1.32
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG11	6	1.32
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG12	6	1.32
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG13	6	1.32
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG11	7	1.32
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG12	7	1.32
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG13	7	1.32
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG11	11	1.32
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG12	11	1.32
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG13	11	1.32
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG11	16	1.32
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG12	16	1.32
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG13	16	1.32
(1,913)	1:15:A:VAL:HG21	1:17:A:VAL:HA	7	1.32
(1,913)	1:15:A:VAL:HG22	1:17:A:VAL:HA	7	1.32
(1,913)	1:15:A:VAL:HG23	1:17:A:VAL:HA	7	1.32
(1,734)	1:77:A:LEU:HA	1:96:A:LEU:HD11	14	1.32
(1,734)	1:77:A:LEU:HA	1:96:A:LEU:HD12	14	1.32
(1,734)	1:77:A:LEU:HA	1:96:A:LEU:HD13	14	1.32
(1,521)	1:59:A:PHE:HB2	1:92:A:THR:HB	10	1.32
(1,435)	1:42:A:LEU:HD11	1:108:A:ARG:HB2	15	1.32
(1,435)	1:42:A:LEU:HD12	1:108:A:ARG:HB2	15	1.32
(1,435)	1:42:A:LEU:HD13	1:108:A:ARG:HB2	15	1.32
(1,161)	1:11:A:GLN:HB3	1:14:A:ASP:HB3	14	1.32
(1,139)	1:63:A:SER:HB2	1:66:A:LEU:HB2	15	1.32
(1,112)	1:15:A:VAL:HG21	1:18:A:ARG:HD2	14	1.32
(1,112)	1:15:A:VAL:HG22	1:18:A:ARG:HD2	14	1.32
(1,112)	1:15:A:VAL:HG23	1:18:A:ARG:HD2	14	1.32
(1,64)	1:7:A:LEU:HB2	1:41:A:GLY:HA3	13	1.32
(1,13)	1:35:A:LEU:HD11	1:38:A:GLY:HA2	2	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13)	1:35:A:LEU:HD11	1:38:A:GLY:HA3	2	1.32
(1,13)	1:35:A:LEU:HD12	1:38:A:GLY:HA2	2	1.32
(1,13)	1:35:A:LEU:HD12	1:38:A:GLY:HA3	2	1.32
(1,13)	1:35:A:LEU:HD13	1:38:A:GLY:HA2	2	1.32
(1,13)	1:35:A:LEU:HD13	1:38:A:GLY:HA3	2	1.32
(1,2243)	1:63:A:SER:HB3	1:76:A:GLU:H	2	1.31
(1,2100)	1:63:A:SER:HB2	1:66:A:LEU:H	5	1.31
(1,1264)	1:49:A:VAL:HG21	1:50:A:LEU:HA	4	1.31
(1,1264)	1:49:A:VAL:HG22	1:50:A:LEU:HA	4	1.31
(1,1264)	1:49:A:VAL:HG23	1:50:A:LEU:HA	4	1.31
(1,1264)	1:49:A:VAL:HG21	1:50:A:LEU:HA	7	1.31
(1,1264)	1:49:A:VAL:HG22	1:50:A:LEU:HA	7	1.31
(1,1264)	1:49:A:VAL:HG23	1:50:A:LEU:HA	7	1.31
(1,1264)	1:49:A:VAL:HG21	1:50:A:LEU:HA	11	1.31
(1,1264)	1:49:A:VAL:HG22	1:50:A:LEU:HA	11	1.31
(1,1264)	1:49:A:VAL:HG23	1:50:A:LEU:HA	11	1.31
(1,1241)	1:72:A:HIS:HB2	1:74:A:VAL:HG11	19	1.31
(1,1241)	1:72:A:HIS:HB2	1:74:A:VAL:HG12	19	1.31
(1,1241)	1:72:A:HIS:HB2	1:74:A:VAL:HG13	19	1.31
(1,1241)	1:72:A:HIS:HB3	1:74:A:VAL:HG11	19	1.31
(1,1241)	1:72:A:HIS:HB3	1:74:A:VAL:HG12	19	1.31
(1,1241)	1:72:A:HIS:HB3	1:74:A:VAL:HG13	19	1.31
(1,989)	1:15:A:VAL:HG21	1:17:A:VAL:H	6	1.31
(1,989)	1:15:A:VAL:HG22	1:17:A:VAL:H	6	1.31
(1,989)	1:15:A:VAL:HG23	1:17:A:VAL:H	6	1.31
(1,989)	1:15:A:VAL:HG21	1:17:A:VAL:H	15	1.31
(1,989)	1:15:A:VAL:HG22	1:17:A:VAL:H	15	1.31
(1,989)	1:15:A:VAL:HG23	1:17:A:VAL:H	15	1.31
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG11	20	1.31
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG12	20	1.31
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG13	20	1.31
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG11	16	1.31
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG12	16	1.31
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG13	16	1.31
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG11	20	1.31
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG12	20	1.31
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG13	20	1.31
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG11	2	1.31
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG12	2	1.31
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG13	2	1.31
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG11	5	1.31
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG12	5	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG13	5	1.31
(1,844)	1:35:A:LEU:HD11	1:40:A:CYS:HB2	17	1.31
(1,844)	1:35:A:LEU:HD12	1:40:A:CYS:HB2	17	1.31
(1,844)	1:35:A:LEU:HD13	1:40:A:CYS:HB2	17	1.31
(1,844)	1:35:A:LEU:HD11	1:40:A:CYS:HB2	18	1.31
(1,844)	1:35:A:LEU:HD12	1:40:A:CYS:HB2	18	1.31
(1,844)	1:35:A:LEU:HD13	1:40:A:CYS:HB2	18	1.31
(1,835)	1:42:A:LEU:HD21	1:60:A:ILE:HG12	20	1.31
(1,835)	1:42:A:LEU:HD22	1:60:A:ILE:HG12	20	1.31
(1,835)	1:42:A:LEU:HD23	1:60:A:ILE:HG12	20	1.31
(1,532)	1:10:A:LEU:HB2	1:102:A:GLU:HB2	12	1.31
(1,521)	1:59:A:PHE:HB2	1:92:A:THR:HB	18	1.31
(1,393)	1:53:A:LEU:HD11	1:97:A:VAL:HB	17	1.31
(1,393)	1:53:A:LEU:HD12	1:97:A:VAL:HB	17	1.31
(1,393)	1:53:A:LEU:HD13	1:97:A:VAL:HB	17	1.31
(1,161)	1:11:A:GLN:HB3	1:14:A:ASP:HB3	3	1.31
(1,64)	1:7:A:LEU:HB2	1:41:A:GLY:HA3	14	1.31
(1,2124)	1:63:A:SER:H	1:76:A:GLU:HB2	6	1.3
(1,2010)	1:77:A:LEU:H	1:78:A:VAL:HG21	14	1.3
(1,2010)	1:77:A:LEU:H	1:78:A:VAL:HG22	14	1.3
(1,2010)	1:77:A:LEU:H	1:78:A:VAL:HG23	14	1.3
(1,1757)	1:24:A:VAL:HG11	1:56:A:PRO:HD3	7	1.3
(1,1757)	1:24:A:VAL:HG12	1:56:A:PRO:HD3	7	1.3
(1,1757)	1:24:A:VAL:HG13	1:56:A:PRO:HD3	7	1.3
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD21	3	1.3
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD22	3	1.3
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD23	3	1.3
(1,1184)	1:63:A:SER:HB3	1:74:A:VAL:HG21	11	1.3
(1,1184)	1:63:A:SER:HB3	1:74:A:VAL:HG22	11	1.3
(1,1184)	1:63:A:SER:HB3	1:74:A:VAL:HG23	11	1.3
(1,1027)	1:15:A:VAL:HG21	1:18:A:ARG:HG2	16	1.3
(1,1027)	1:15:A:VAL:HG22	1:18:A:ARG:HG2	16	1.3
(1,1027)	1:15:A:VAL:HG23	1:18:A:ARG:HG2	16	1.3
(1,1024)	1:15:A:VAL:HG21	1:18:A:ARG:H	15	1.3
(1,1024)	1:15:A:VAL:HG22	1:18:A:ARG:H	15	1.3
(1,1024)	1:15:A:VAL:HG23	1:18:A:ARG:H	15	1.3
(1,989)	1:15:A:VAL:HG21	1:17:A:VAL:H	11	1.3
(1,989)	1:15:A:VAL:HG22	1:17:A:VAL:H	11	1.3
(1,989)	1:15:A:VAL:HG23	1:17:A:VAL:H	11	1.3
(1,989)	1:15:A:VAL:HG21	1:17:A:VAL:H	19	1.3
(1,989)	1:15:A:VAL:HG22	1:17:A:VAL:H	19	1.3
(1,989)	1:15:A:VAL:HG23	1:17:A:VAL:H	19	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG11	11	1.3
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG12	11	1.3
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG13	11	1.3
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG11	4	1.3
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG12	4	1.3
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG13	4	1.3
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG11	19	1.3
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG12	19	1.3
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG13	19	1.3
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG11	13	1.3
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG12	13	1.3
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG13	13	1.3
(1,913)	1:15:A:VAL:HG21	1:17:A:VAL:HA	18	1.3
(1,913)	1:15:A:VAL:HG22	1:17:A:VAL:HA	18	1.3
(1,913)	1:15:A:VAL:HG23	1:17:A:VAL:HA	18	1.3
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD21	8	1.3
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD22	8	1.3
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD23	8	1.3
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD21	8	1.3
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD22	8	1.3
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD23	8	1.3
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD21	8	1.3
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD22	8	1.3
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD23	8	1.3
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD21	20	1.3
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD22	20	1.3
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD23	20	1.3
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD21	20	1.3
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD22	20	1.3
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD23	20	1.3
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD21	20	1.3
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD22	20	1.3
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD23	20	1.3
(1,827)	1:42:A:LEU:HD21	1:95:A:VAL:H	7	1.3
(1,827)	1:42:A:LEU:HD22	1:95:A:VAL:H	7	1.3
(1,827)	1:42:A:LEU:HD23	1:95:A:VAL:H	7	1.3
(1,734)	1:77:A:LEU:HA	1:96:A:LEU:HD11	11	1.3
(1,734)	1:77:A:LEU:HA	1:96:A:LEU:HD12	11	1.3
(1,734)	1:77:A:LEU:HA	1:96:A:LEU:HD13	11	1.3
(1,602)	1:54:A:GLU:HA	1:55:A:GLN:HB3	13	1.3
(1,521)	1:59:A:PHE:HB2	1:92:A:THR:HB	11	1.3
(1,464)	1:51:A:PRO:HB3	1:52:A:GLN:HG2	4	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,112)	1:15:A:VAL:HG21	1:18:A:ARG:HD2	8	1.3
(1,112)	1:15:A:VAL:HG22	1:18:A:ARG:HD2	8	1.3
(1,112)	1:15:A:VAL:HG23	1:18:A:ARG:HD2	8	1.3
(1,64)	1:7:A:LEU:HB2	1:41:A:GLY:HA3	3	1.3
(1,2057)	1:81:A:MET:HG3	1:84:A:ILE:H	5	1.29
(1,1647)	1:42:A:LEU:HD21	1:96:A:LEU:HA	2	1.29
(1,1647)	1:42:A:LEU:HD22	1:96:A:LEU:HA	2	1.29
(1,1647)	1:42:A:LEU:HD23	1:96:A:LEU:HA	2	1.29
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD21	6	1.29
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD22	6	1.29
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD23	6	1.29
(1,992)	1:15:A:VAL:HG21	1:18:A:ARG:HA	6	1.29
(1,992)	1:15:A:VAL:HG22	1:18:A:ARG:HA	6	1.29
(1,992)	1:15:A:VAL:HG23	1:18:A:ARG:HA	6	1.29
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG11	4	1.29
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG12	4	1.29
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG13	4	1.29
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG11	13	1.29
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG12	13	1.29
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG13	13	1.29
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG11	18	1.29
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG12	18	1.29
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG13	18	1.29
(1,913)	1:15:A:VAL:HG21	1:17:A:VAL:HA	13	1.29
(1,913)	1:15:A:VAL:HG22	1:17:A:VAL:HA	13	1.29
(1,913)	1:15:A:VAL:HG23	1:17:A:VAL:HA	13	1.29
(1,209)	1:42:A:LEU:HD11	1:44:A:GLU:HG3	17	1.29
(1,209)	1:42:A:LEU:HD12	1:44:A:GLU:HG3	17	1.29
(1,209)	1:42:A:LEU:HD13	1:44:A:GLU:HG3	17	1.29
(1,205)	1:42:A:LEU:HD11	1:44:A:GLU:HG2	6	1.29
(1,205)	1:42:A:LEU:HD12	1:44:A:GLU:HG2	6	1.29
(1,205)	1:42:A:LEU:HD13	1:44:A:GLU:HG2	6	1.29
(1,13)	1:35:A:LEU:HD11	1:38:A:GLY:HA2	9	1.29
(1,13)	1:35:A:LEU:HD11	1:38:A:GLY:HA3	9	1.29
(1,13)	1:35:A:LEU:HD12	1:38:A:GLY:HA2	9	1.29
(1,13)	1:35:A:LEU:HD12	1:38:A:GLY:HA3	9	1.29
(1,13)	1:35:A:LEU:HD13	1:38:A:GLY:HA2	9	1.29
(1,13)	1:35:A:LEU:HD13	1:38:A:GLY:HA3	9	1.29
(1,2414)	1:59:A:PHE:HB2	1:94:A:GLY:H	2	1.28
(1,2184)	1:34:A:HIS:H	1:40:A:CYS:HB3	11	1.28
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG11	18	1.28
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG12	18	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG13	18	1.28
(1,1512)	1:56:A:PRO:HB2	1:81:A:MET:HA	15	1.28
(1,1319)	1:99:A:HIS:HA	1:100:A:VAL:HG21	3	1.28
(1,1319)	1:99:A:HIS:HA	1:100:A:VAL:HG22	3	1.28
(1,1319)	1:99:A:HIS:HA	1:100:A:VAL:HG23	3	1.28
(1,1319)	1:99:A:HIS:HA	1:100:A:VAL:HG21	4	1.28
(1,1319)	1:99:A:HIS:HA	1:100:A:VAL:HG22	4	1.28
(1,1319)	1:99:A:HIS:HA	1:100:A:VAL:HG23	4	1.28
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD21	12	1.28
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD22	12	1.28
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD23	12	1.28
(1,1100)	1:58:A:VAL:HG21	1:77:A:LEU:HB3	3	1.28
(1,1100)	1:58:A:VAL:HG22	1:77:A:LEU:HB3	3	1.28
(1,1100)	1:58:A:VAL:HG23	1:77:A:LEU:HB3	3	1.28
(1,989)	1:15:A:VAL:HG21	1:17:A:VAL:H	1	1.28
(1,989)	1:15:A:VAL:HG22	1:17:A:VAL:H	1	1.28
(1,989)	1:15:A:VAL:HG23	1:17:A:VAL:H	1	1.28
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG11	11	1.28
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG12	11	1.28
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG13	11	1.28
(1,888)	1:7:A:LEU:HD11	1:40:A:CYS:HA	16	1.28
(1,888)	1:7:A:LEU:HD12	1:40:A:CYS:HA	16	1.28
(1,888)	1:7:A:LEU:HD13	1:40:A:CYS:HA	16	1.28
(1,733)	1:7:A:LEU:HD21	1:42:A:LEU:HB3	3	1.28
(1,733)	1:7:A:LEU:HD22	1:42:A:LEU:HB3	3	1.28
(1,733)	1:7:A:LEU:HD23	1:42:A:LEU:HB3	3	1.28
(1,435)	1:42:A:LEU:HD11	1:108:A:ARG:HB2	16	1.28
(1,435)	1:42:A:LEU:HD12	1:108:A:ARG:HB2	16	1.28
(1,435)	1:42:A:LEU:HD13	1:108:A:ARG:HB2	16	1.28
(1,428)	1:63:A:SER:HB3	1:74:A:VAL:HB	12	1.28
(1,205)	1:42:A:LEU:HD11	1:44:A:GLU:HG2	9	1.28
(1,205)	1:42:A:LEU:HD12	1:44:A:GLU:HG2	9	1.28
(1,205)	1:42:A:LEU:HD13	1:44:A:GLU:HG2	9	1.28
(1,64)	1:7:A:LEU:HB2	1:41:A:GLY:HA3	8	1.28
(1,64)	1:7:A:LEU:HB2	1:41:A:GLY:HA3	20	1.28
(1,2100)	1:63:A:SER:HB2	1:66:A:LEU:H	11	1.27
(1,1512)	1:56:A:PRO:HB2	1:81:A:MET:HA	10	1.27
(1,1184)	1:63:A:SER:HB3	1:74:A:VAL:HG21	13	1.27
(1,1184)	1:63:A:SER:HB3	1:74:A:VAL:HG22	13	1.27
(1,1184)	1:63:A:SER:HB3	1:74:A:VAL:HG23	13	1.27
(1,1024)	1:15:A:VAL:HG21	1:18:A:ARG:H	16	1.27
(1,1024)	1:15:A:VAL:HG22	1:18:A:ARG:H	16	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1024)	1:15:A:VAL:HG23	1:18:A:ARG:H	16	1.27
(1,913)	1:15:A:VAL:HG21	1:17:A:VAL:HA	5	1.27
(1,913)	1:15:A:VAL:HG22	1:17:A:VAL:HA	5	1.27
(1,913)	1:15:A:VAL:HG23	1:17:A:VAL:HA	5	1.27
(1,835)	1:42:A:LEU:HD21	1:60:A:ILE:HG12	2	1.27
(1,835)	1:42:A:LEU:HD22	1:60:A:ILE:HG12	2	1.27
(1,835)	1:42:A:LEU:HD23	1:60:A:ILE:HG12	2	1.27
(1,818)	1:62:A:ARG:HD2	1:73:A:LYS:HG3	9	1.27
(1,818)	1:62:A:ARG:HD3	1:73:A:LYS:HG3	9	1.27
(1,654)	1:42:A:LEU:HG	1:96:A:LEU:HD21	11	1.27
(1,654)	1:42:A:LEU:HG	1:96:A:LEU:HD22	11	1.27
(1,654)	1:42:A:LEU:HG	1:96:A:LEU:HD23	11	1.27
(1,601)	1:55:A:GLN:HB2	1:57:A:TYR:H	17	1.27
(1,521)	1:59:A:PHE:HB2	1:92:A:THR:HB	2	1.27
(1,494)	1:7:A:LEU:HD11	1:40:A:CYS:HB2	7	1.27
(1,494)	1:7:A:LEU:HD12	1:40:A:CYS:HB2	7	1.27
(1,494)	1:7:A:LEU:HD13	1:40:A:CYS:HB2	7	1.27
(1,450)	1:8:A:PRO:HB3	1:41:A:GLY:HA3	4	1.27
(1,209)	1:42:A:LEU:HD11	1:44:A:GLU:HG3	14	1.27
(1,209)	1:42:A:LEU:HD12	1:44:A:GLU:HG3	14	1.27
(1,209)	1:42:A:LEU:HD13	1:44:A:GLU:HG3	14	1.27
(1,144)	1:73:A:LYS:HE2	1:93:A:LEU:HD21	9	1.27
(1,144)	1:73:A:LYS:HE2	1:93:A:LEU:HD22	9	1.27
(1,144)	1:73:A:LYS:HE2	1:93:A:LEU:HD23	9	1.27
(1,144)	1:73:A:LYS:HE3	1:93:A:LEU:HD21	9	1.27
(1,144)	1:73:A:LYS:HE3	1:93:A:LEU:HD22	9	1.27
(1,144)	1:73:A:LYS:HE3	1:93:A:LEU:HD23	9	1.27
(1,112)	1:15:A:VAL:HG21	1:18:A:ARG:HD2	13	1.27
(1,112)	1:15:A:VAL:HG22	1:18:A:ARG:HD2	13	1.27
(1,112)	1:15:A:VAL:HG23	1:18:A:ARG:HD2	13	1.27
(1,64)	1:7:A:LEU:HB2	1:41:A:GLY:HA3	18	1.27
(1,2312)	1:114:A:LYS:HA	1:115:A:ASN:HD22	17	1.26
(1,1647)	1:42:A:LEU:HD21	1:96:A:LEU:HA	20	1.26
(1,1647)	1:42:A:LEU:HD22	1:96:A:LEU:HA	20	1.26
(1,1647)	1:42:A:LEU:HD23	1:96:A:LEU:HA	20	1.26
(1,1358)	1:63:A:SER:HA	1:76:A:GLU:HB2	4	1.26
(1,1167)	1:74:A:VAL:HG21	1:75:A:VAL:HA	17	1.26
(1,1167)	1:74:A:VAL:HG22	1:75:A:VAL:HA	17	1.26
(1,1167)	1:74:A:VAL:HG23	1:75:A:VAL:HA	17	1.26
(1,1073)	1:12:A:VAL:HA	1:53:A:LEU:HD11	1	1.26
(1,1073)	1:12:A:VAL:HA	1:53:A:LEU:HD12	1	1.26
(1,1073)	1:12:A:VAL:HA	1:53:A:LEU:HD13	1	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG11	3	1.26
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG12	3	1.26
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG13	3	1.26
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG11	8	1.26
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG12	8	1.26
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG13	8	1.26
(1,913)	1:15:A:VAL:HG21	1:17:A:VAL:HA	10	1.26
(1,913)	1:15:A:VAL:HG22	1:17:A:VAL:HA	10	1.26
(1,913)	1:15:A:VAL:HG23	1:17:A:VAL:HA	10	1.26
(1,835)	1:42:A:LEU:HD21	1:60:A:ILE:HG12	9	1.26
(1,835)	1:42:A:LEU:HD22	1:60:A:ILE:HG12	9	1.26
(1,835)	1:42:A:LEU:HD23	1:60:A:ILE:HG12	9	1.26
(1,818)	1:62:A:ARG:HD2	1:73:A:LYS:HG3	8	1.26
(1,818)	1:62:A:ARG:HD3	1:73:A:LYS:HG3	8	1.26
(1,734)	1:77:A:LEU:HA	1:96:A:LEU:HD11	4	1.26
(1,734)	1:77:A:LEU:HA	1:96:A:LEU:HD12	4	1.26
(1,734)	1:77:A:LEU:HA	1:96:A:LEU:HD13	4	1.26
(1,654)	1:42:A:LEU:HG	1:96:A:LEU:HD21	1	1.26
(1,654)	1:42:A:LEU:HG	1:96:A:LEU:HD22	1	1.26
(1,654)	1:42:A:LEU:HG	1:96:A:LEU:HD23	1	1.26
(1,521)	1:59:A:PHE:HB2	1:92:A:THR:HB	15	1.26
(1,187)	1:42:A:LEU:HD21	1:60:A:ILE:HB	3	1.26
(1,187)	1:42:A:LEU:HD22	1:60:A:ILE:HB	3	1.26
(1,187)	1:42:A:LEU:HD23	1:60:A:ILE:HB	3	1.26
(1,126)	1:25:A:GLU:HG3	1:28:A:LEU:HB2	6	1.26
(1,126)	1:25:A:GLU:HG3	1:28:A:LEU:HB3	6	1.26
(1,2529)	1:6:A:SER:HB2	1:107:A:TYR:HE1	9	1.25
(1,2529)	1:6:A:SER:HB2	1:107:A:TYR:HE2	9	1.25
(1,2243)	1:63:A:SER:HB3	1:76:A:GLU:H	8	1.25
(1,2243)	1:63:A:SER:HB3	1:76:A:GLU:H	19	1.25
(1,1090)	1:17:A:VAL:HG11	1:98:A:PRO:HG2	17	1.25
(1,1090)	1:17:A:VAL:HG12	1:98:A:PRO:HG2	17	1.25
(1,1090)	1:17:A:VAL:HG13	1:98:A:PRO:HG2	17	1.25
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG11	12	1.25
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG12	12	1.25
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG13	12	1.25
(1,913)	1:15:A:VAL:HG21	1:17:A:VAL:HA	1	1.25
(1,913)	1:15:A:VAL:HG22	1:17:A:VAL:HA	1	1.25
(1,913)	1:15:A:VAL:HG23	1:17:A:VAL:HA	1	1.25
(1,913)	1:15:A:VAL:HG21	1:17:A:VAL:HA	9	1.25
(1,913)	1:15:A:VAL:HG22	1:17:A:VAL:HA	9	1.25
(1,913)	1:15:A:VAL:HG23	1:17:A:VAL:HA	9	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,882)	1:2:A:HIS:HD2	1:112:A:LEU:HD21	19	1.25
(1,882)	1:2:A:HIS:HD2	1:112:A:LEU:HD22	19	1.25
(1,882)	1:2:A:HIS:HD2	1:112:A:LEU:HD23	19	1.25
(1,827)	1:42:A:LEU:HD21	1:95:A:VAL:H	18	1.25
(1,827)	1:42:A:LEU:HD22	1:95:A:VAL:H	18	1.25
(1,827)	1:42:A:LEU:HD23	1:95:A:VAL:H	18	1.25
(1,2414)	1:59:A:PHE:HB2	1:94:A:GLY:H	15	1.24
(1,1345)	1:100:A:VAL:HG11	1:102:A:GLU:HA	8	1.24
(1,1345)	1:100:A:VAL:HG12	1:102:A:GLU:HA	8	1.24
(1,1345)	1:100:A:VAL:HG13	1:102:A:GLU:HA	8	1.24
(1,1319)	1:99:A:HIS:HA	1:100:A:VAL:HG21	11	1.24
(1,1319)	1:99:A:HIS:HA	1:100:A:VAL:HG22	11	1.24
(1,1319)	1:99:A:HIS:HA	1:100:A:VAL:HG23	11	1.24
(1,1313)	1:16:A:LEU:H	1:17:A:VAL:HG21	16	1.24
(1,1313)	1:16:A:LEU:H	1:17:A:VAL:HG22	16	1.24
(1,1313)	1:16:A:LEU:H	1:17:A:VAL:HG23	16	1.24
(1,1090)	1:17:A:VAL:HG11	1:98:A:PRO:HG2	6	1.24
(1,1090)	1:17:A:VAL:HG12	1:98:A:PRO:HG2	6	1.24
(1,1090)	1:17:A:VAL:HG13	1:98:A:PRO:HG2	6	1.24
(1,1034)	1:8:A:PRO:HB3	1:104:A:PRO:HA	3	1.24
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG11	19	1.24
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG12	19	1.24
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG13	19	1.24
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG11	5	1.24
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG12	5	1.24
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG13	5	1.24
(1,913)	1:15:A:VAL:HG21	1:17:A:VAL:HA	19	1.24
(1,913)	1:15:A:VAL:HG22	1:17:A:VAL:HA	19	1.24
(1,913)	1:15:A:VAL:HG23	1:17:A:VAL:HA	19	1.24
(1,826)	1:45:A:LEU:HD11	1:50:A:LEU:HD21	14	1.24
(1,826)	1:45:A:LEU:HD11	1:50:A:LEU:HD22	14	1.24
(1,826)	1:45:A:LEU:HD11	1:50:A:LEU:HD23	14	1.24
(1,826)	1:45:A:LEU:HD12	1:50:A:LEU:HD21	14	1.24
(1,826)	1:45:A:LEU:HD12	1:50:A:LEU:HD22	14	1.24
(1,826)	1:45:A:LEU:HD12	1:50:A:LEU:HD23	14	1.24
(1,826)	1:45:A:LEU:HD13	1:50:A:LEU:HD21	14	1.24
(1,826)	1:45:A:LEU:HD13	1:50:A:LEU:HD22	14	1.24
(1,826)	1:45:A:LEU:HD13	1:50:A:LEU:HD23	14	1.24
(1,139)	1:63:A:SER:HB2	1:66:A:LEU:HB2	14	1.24
(1,2361)	1:4:A:GLN:HE21	1:109:A:ASN:HD22	11	1.23
(1,1782)	1:5:A:LEU:H	1:112:A:LEU:HB3	17	1.23
(1,1557)	1:73:A:LYS:HA	1:74:A:VAL:HG11	20	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1557)	1:73:A:LYS:HA	1:74:A:VAL:HG12	20	1.23
(1,1557)	1:73:A:LYS:HA	1:74:A:VAL:HG13	20	1.23
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD21	10	1.23
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD22	10	1.23
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD23	10	1.23
(1,1167)	1:74:A:VAL:HG21	1:75:A:VAL:HA	14	1.23
(1,1167)	1:74:A:VAL:HG22	1:75:A:VAL:HA	14	1.23
(1,1167)	1:74:A:VAL:HG23	1:75:A:VAL:HA	14	1.23
(1,1034)	1:8:A:PRO:HB3	1:104:A:PRO:HA	2	1.23
(1,1024)	1:15:A:VAL:HG21	1:18:A:ARG:H	3	1.23
(1,1024)	1:15:A:VAL:HG22	1:18:A:ARG:H	3	1.23
(1,1024)	1:15:A:VAL:HG23	1:18:A:ARG:H	3	1.23
(1,986)	1:42:A:LEU:HA	1:96:A:LEU:HD21	17	1.23
(1,986)	1:42:A:LEU:HA	1:96:A:LEU:HD22	17	1.23
(1,986)	1:42:A:LEU:HA	1:96:A:LEU:HD23	17	1.23
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG11	8	1.23
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG12	8	1.23
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG13	8	1.23
(1,913)	1:15:A:VAL:HG21	1:17:A:VAL:HA	6	1.23
(1,913)	1:15:A:VAL:HG22	1:17:A:VAL:HA	6	1.23
(1,913)	1:15:A:VAL:HG23	1:17:A:VAL:HA	6	1.23
(1,827)	1:42:A:LEU:HD21	1:95:A:VAL:H	14	1.23
(1,827)	1:42:A:LEU:HD22	1:95:A:VAL:H	14	1.23
(1,827)	1:42:A:LEU:HD23	1:95:A:VAL:H	14	1.23
(1,814)	1:15:A:VAL:HA	1:102:A:GLU:HG2	2	1.23
(1,684)	1:11:A:GLN:HB2	1:13:A:ARG:HG2	3	1.23
(1,601)	1:55:A:GLN:HB2	1:57:A:TYR:H	7	1.23
(1,521)	1:59:A:PHE:HB2	1:92:A:THR:HB	4	1.23
(1,2515)	1:99:A:HIS:HD2	1:102:A:GLU:HB3	10	1.22
(1,2515)	1:99:A:HIS:HD2	1:102:A:GLU:HB3	15	1.22
(1,2372)	1:55:A:GLN:HE22	1:56:A:PRO:HD3	17	1.22
(1,2312)	1:114:A:LYS:HA	1:115:A:ASN:HD22	3	1.22
(1,2188)	1:34:A:HIS:H	1:37:A:ASN:HB3	1	1.22
(1,2188)	1:34:A:HIS:H	1:37:A:ASN:HB3	11	1.22
(1,2124)	1:63:A:SER:H	1:76:A:GLU:HB2	1	1.22
(1,2124)	1:63:A:SER:H	1:76:A:GLU:HB2	4	1.22
(1,1757)	1:24:A:VAL:HG11	1:56:A:PRO:HD3	16	1.22
(1,1757)	1:24:A:VAL:HG12	1:56:A:PRO:HD3	16	1.22
(1,1757)	1:24:A:VAL:HG13	1:56:A:PRO:HD3	16	1.22
(1,1647)	1:42:A:LEU:HD21	1:96:A:LEU:HA	7	1.22
(1,1647)	1:42:A:LEU:HD22	1:96:A:LEU:HA	7	1.22
(1,1647)	1:42:A:LEU:HD23	1:96:A:LEU:HA	7	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1647)	1:42:A:LEU:HD21	1:96:A:LEU:HA	16	1.22
(1,1647)	1:42:A:LEU:HD22	1:96:A:LEU:HA	16	1.22
(1,1647)	1:42:A:LEU:HD23	1:96:A:LEU:HA	16	1.22
(1,1264)	1:49:A:VAL:HG21	1:50:A:LEU:HA	12	1.22
(1,1264)	1:49:A:VAL:HG22	1:50:A:LEU:HA	12	1.22
(1,1264)	1:49:A:VAL:HG23	1:50:A:LEU:HA	12	1.22
(1,1168)	1:74:A:VAL:HG21	1:113:A:ARG:HA	1	1.22
(1,1168)	1:74:A:VAL:HG22	1:113:A:ARG:HA	1	1.22
(1,1168)	1:74:A:VAL:HG23	1:113:A:ARG:HA	1	1.22
(1,989)	1:15:A:VAL:HG21	1:17:A:VAL:H	13	1.22
(1,989)	1:15:A:VAL:HG22	1:17:A:VAL:H	13	1.22
(1,989)	1:15:A:VAL:HG23	1:17:A:VAL:H	13	1.22
(1,989)	1:15:A:VAL:HG21	1:17:A:VAL:H	18	1.22
(1,989)	1:15:A:VAL:HG22	1:17:A:VAL:H	18	1.22
(1,989)	1:15:A:VAL:HG23	1:17:A:VAL:H	18	1.22
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG11	6	1.22
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG12	6	1.22
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG13	6	1.22
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG11	17	1.22
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG12	17	1.22
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG13	17	1.22
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG11	20	1.22
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG12	20	1.22
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG13	20	1.22
(1,842)	1:112:A:LEU:HD11	1:114:A:LYS:HG2	10	1.22
(1,842)	1:112:A:LEU:HD11	1:114:A:LYS:HG3	10	1.22
(1,842)	1:112:A:LEU:HD12	1:114:A:LYS:HG2	10	1.22
(1,842)	1:112:A:LEU:HD12	1:114:A:LYS:HG3	10	1.22
(1,842)	1:112:A:LEU:HD13	1:114:A:LYS:HG2	10	1.22
(1,842)	1:112:A:LEU:HD13	1:114:A:LYS:HG3	10	1.22
(1,803)	1:63:A:SER:HB2	1:74:A:VAL:HG21	1	1.22
(1,803)	1:63:A:SER:HB2	1:74:A:VAL:HG22	1	1.22
(1,803)	1:63:A:SER:HB2	1:74:A:VAL:HG23	1	1.22
(1,601)	1:55:A:GLN:HB2	1:57:A:TYR:H	2	1.22
(1,521)	1:59:A:PHE:HB2	1:92:A:THR:HB	5	1.22
(1,521)	1:59:A:PHE:HB2	1:92:A:THR:HB	20	1.22
(1,209)	1:42:A:LEU:HD11	1:44:A:GLU:HG3	1	1.22
(1,209)	1:42:A:LEU:HD12	1:44:A:GLU:HG3	1	1.22
(1,209)	1:42:A:LEU:HD13	1:44:A:GLU:HG3	1	1.22
(1,161)	1:11:A:GLN:HB3	1:14:A:ASP:HB3	9	1.22
(1,2124)	1:63:A:SER:H	1:76:A:GLU:HB2	15	1.21
(1,2057)	1:81:A:MET:HG3	1:84:A:ILE:H	17	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG11	19	1.21
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG12	19	1.21
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG13	19	1.21
(1,1345)	1:100:A:VAL:HG11	1:102:A:GLU:HA	15	1.21
(1,1345)	1:100:A:VAL:HG12	1:102:A:GLU:HA	15	1.21
(1,1345)	1:100:A:VAL:HG13	1:102:A:GLU:HA	15	1.21
(1,1167)	1:74:A:VAL:HG21	1:75:A:VAL:HA	13	1.21
(1,1167)	1:74:A:VAL:HG22	1:75:A:VAL:HA	13	1.21
(1,1167)	1:74:A:VAL:HG23	1:75:A:VAL:HA	13	1.21
(1,1093)	1:58:A:VAL:HG21	1:78:A:VAL:H	1	1.21
(1,1093)	1:58:A:VAL:HG22	1:78:A:VAL:H	1	1.21
(1,1093)	1:58:A:VAL:HG23	1:78:A:VAL:H	1	1.21
(1,1093)	1:58:A:VAL:HG21	1:78:A:VAL:H	5	1.21
(1,1093)	1:58:A:VAL:HG22	1:78:A:VAL:H	5	1.21
(1,1093)	1:58:A:VAL:HG23	1:78:A:VAL:H	5	1.21
(1,1027)	1:15:A:VAL:HG21	1:18:A:ARG:HG2	20	1.21
(1,1027)	1:15:A:VAL:HG22	1:18:A:ARG:HG2	20	1.21
(1,1027)	1:15:A:VAL:HG23	1:18:A:ARG:HG2	20	1.21
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG11	1	1.21
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG12	1	1.21
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG13	1	1.21
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG11	2	1.21
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG12	2	1.21
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG13	2	1.21
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG11	14	1.21
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG12	14	1.21
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG13	14	1.21
(1,494)	1:7:A:LEU:HD11	1:40:A:CYS:HB2	3	1.21
(1,494)	1:7:A:LEU:HD12	1:40:A:CYS:HB2	3	1.21
(1,494)	1:7:A:LEU:HD13	1:40:A:CYS:HB2	3	1.21
(1,421)	1:73:A:LYS:HB2	1:74:A:VAL:HG11	3	1.21
(1,421)	1:73:A:LYS:HB2	1:74:A:VAL:HG12	3	1.21
(1,421)	1:73:A:LYS:HB2	1:74:A:VAL:HG13	3	1.21
(1,421)	1:73:A:LYS:HB3	1:74:A:VAL:HG11	3	1.21
(1,421)	1:73:A:LYS:HB3	1:74:A:VAL:HG12	3	1.21
(1,421)	1:73:A:LYS:HB3	1:74:A:VAL:HG13	3	1.21
(1,296)	1:63:A:SER:HB3	1:76:A:GLU:HG2	8	1.21
(1,296)	1:63:A:SER:HB3	1:76:A:GLU:HG3	8	1.21
(1,223)	1:100:A:VAL:HG11	1:102:A:GLU:HG2	12	1.21
(1,223)	1:100:A:VAL:HG12	1:102:A:GLU:HG2	12	1.21
(1,223)	1:100:A:VAL:HG13	1:102:A:GLU:HG2	12	1.21
(1,205)	1:42:A:LEU:HD11	1:44:A:GLU:HG2	17	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,205)	1:42:A:LEU:HD12	1:44:A:GLU:HG2	17	1.21
(1,205)	1:42:A:LEU:HD13	1:44:A:GLU:HG2	17	1.21
(1,187)	1:42:A:LEU:HD21	1:60:A:ILE:HB	8	1.21
(1,187)	1:42:A:LEU:HD22	1:60:A:ILE:HB	8	1.21
(1,187)	1:42:A:LEU:HD23	1:60:A:ILE:HB	8	1.21
(1,161)	1:11:A:GLN:HB3	1:14:A:ASP:HB3	6	1.21
(1,161)	1:11:A:GLN:HB3	1:14:A:ASP:HB3	10	1.21
(1,35)	1:21:A:GLY:HA2	1:26:A:GLU:HG3	5	1.21
(1,2278)	1:41:A:GLY:H	1:96:A:LEU:HD21	14	1.2
(1,2278)	1:41:A:GLY:H	1:96:A:LEU:HD22	14	1.2
(1,2278)	1:41:A:GLY:H	1:96:A:LEU:HD23	14	1.2
(1,2243)	1:63:A:SER:HB3	1:76:A:GLU:H	10	1.2
(1,1757)	1:24:A:VAL:HG11	1:56:A:PRO:HD3	19	1.2
(1,1757)	1:24:A:VAL:HG12	1:56:A:PRO:HD3	19	1.2
(1,1757)	1:24:A:VAL:HG13	1:56:A:PRO:HD3	19	1.2
(1,1167)	1:74:A:VAL:HG21	1:75:A:VAL:HA	11	1.2
(1,1167)	1:74:A:VAL:HG22	1:75:A:VAL:HA	11	1.2
(1,1167)	1:74:A:VAL:HG23	1:75:A:VAL:HA	11	1.2
(1,1093)	1:58:A:VAL:HG21	1:78:A:VAL:H	11	1.2
(1,1093)	1:58:A:VAL:HG22	1:78:A:VAL:H	11	1.2
(1,1093)	1:58:A:VAL:HG23	1:78:A:VAL:H	11	1.2
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG11	18	1.2
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG12	18	1.2
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG13	18	1.2
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG11	10	1.2
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG12	10	1.2
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG13	10	1.2
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG11	15	1.2
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG12	15	1.2
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG13	15	1.2
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG11	20	1.2
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG12	20	1.2
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG13	20	1.2
(1,880)	1:112:A:LEU:HD21	1:113:A:ARG:H	5	1.2
(1,880)	1:112:A:LEU:HD22	1:113:A:ARG:H	5	1.2
(1,880)	1:112:A:LEU:HD23	1:113:A:ARG:H	5	1.2
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD21	18	1.2
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD22	18	1.2
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD23	18	1.2
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD21	18	1.2
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD22	18	1.2
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD23	18	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD21	18	1.2
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD22	18	1.2
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD23	18	1.2
(1,734)	1:77:A:LEU:HA	1:96:A:LEU:HD11	15	1.2
(1,734)	1:77:A:LEU:HA	1:96:A:LEU:HD12	15	1.2
(1,734)	1:77:A:LEU:HA	1:96:A:LEU:HD13	15	1.2
(1,733)	1:7:A:LEU:HD21	1:42:A:LEU:HB3	14	1.2
(1,733)	1:7:A:LEU:HD22	1:42:A:LEU:HB3	14	1.2
(1,733)	1:7:A:LEU:HD23	1:42:A:LEU:HB3	14	1.2
(1,521)	1:59:A:PHE:HB2	1:92:A:THR:HB	16	1.2
(1,133)	1:42:A:LEU:HD11	1:108:A:ARG:HD2	18	1.2
(1,133)	1:42:A:LEU:HD12	1:108:A:ARG:HD2	18	1.2
(1,133)	1:42:A:LEU:HD13	1:108:A:ARG:HD2	18	1.2
(1,112)	1:15:A:VAL:HG21	1:18:A:ARG:HD2	1	1.2
(1,112)	1:15:A:VAL:HG22	1:18:A:ARG:HD2	1	1.2
(1,112)	1:15:A:VAL:HG23	1:18:A:ARG:HD2	1	1.2
(1,2372)	1:55:A:GLN:HE22	1:56:A:PRO:HD3	7	1.19
(1,1512)	1:56:A:PRO:HB2	1:81:A:MET:HA	7	1.19
(1,1313)	1:16:A:LEU:H	1:17:A:VAL:HG21	4	1.19
(1,1313)	1:16:A:LEU:H	1:17:A:VAL:HG22	4	1.19
(1,1313)	1:16:A:LEU:H	1:17:A:VAL:HG23	4	1.19
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG11	20	1.19
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG12	20	1.19
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG13	20	1.19
(1,1114)	1:94:A:GLY:HA2	1:95:A:VAL:HG21	4	1.19
(1,1114)	1:94:A:GLY:HA2	1:95:A:VAL:HG22	4	1.19
(1,1114)	1:94:A:GLY:HA2	1:95:A:VAL:HG23	4	1.19
(1,1024)	1:15:A:VAL:HG21	1:18:A:ARG:H	8	1.19
(1,1024)	1:15:A:VAL:HG22	1:18:A:ARG:H	8	1.19
(1,1024)	1:15:A:VAL:HG23	1:18:A:ARG:H	8	1.19
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG11	7	1.19
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG12	7	1.19
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG13	7	1.19
(1,913)	1:15:A:VAL:HG21	1:17:A:VAL:HA	14	1.19
(1,913)	1:15:A:VAL:HG22	1:17:A:VAL:HA	14	1.19
(1,913)	1:15:A:VAL:HG23	1:17:A:VAL:HA	14	1.19
(1,913)	1:15:A:VAL:HG21	1:17:A:VAL:HA	16	1.19
(1,913)	1:15:A:VAL:HG22	1:17:A:VAL:HA	16	1.19
(1,913)	1:15:A:VAL:HG23	1:17:A:VAL:HA	16	1.19
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD11	13	1.19
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD12	13	1.19
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD13	13	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,847)	1:42:A:LEU:HD21	1:43:A:VAL:H	14	1.19
(1,847)	1:42:A:LEU:HD22	1:43:A:VAL:H	14	1.19
(1,847)	1:42:A:LEU:HD23	1:43:A:VAL:H	14	1.19
(1,816)	1:63:A:SER:HB3	1:75:A:VAL:H	16	1.19
(1,601)	1:55:A:GLN:HB2	1:57:A:TYR:H	1	1.19
(1,126)	1:25:A:GLU:HG3	1:28:A:LEU:HB2	10	1.19
(1,126)	1:25:A:GLU:HG3	1:28:A:LEU:HB3	10	1.19
(1,2529)	1:6:A:SER:HB2	1:107:A:TYR:HE1	11	1.18
(1,2529)	1:6:A:SER:HB2	1:107:A:TYR:HE2	11	1.18
(1,2414)	1:59:A:PHE:HB2	1:94:A:GLY:H	4	1.18
(1,2414)	1:59:A:PHE:HB2	1:94:A:GLY:H	20	1.18
(1,2257)	1:20:A:PHE:HB3	1:28:A:LEU:H	12	1.18
(1,2188)	1:34:A:HIS:H	1:37:A:ASN:HB3	18	1.18
(1,1264)	1:49:A:VAL:HG21	1:50:A:LEU:HA	5	1.18
(1,1264)	1:49:A:VAL:HG22	1:50:A:LEU:HA	5	1.18
(1,1264)	1:49:A:VAL:HG23	1:50:A:LEU:HA	5	1.18
(1,1186)	1:72:A:HIS:H	1:74:A:VAL:HG11	10	1.18
(1,1186)	1:72:A:HIS:H	1:74:A:VAL:HG12	10	1.18
(1,1186)	1:72:A:HIS:H	1:74:A:VAL:HG13	10	1.18
(1,992)	1:15:A:VAL:HG21	1:18:A:ARG:HA	3	1.18
(1,992)	1:15:A:VAL:HG22	1:18:A:ARG:HA	3	1.18
(1,992)	1:15:A:VAL:HG23	1:18:A:ARG:HA	3	1.18
(1,992)	1:15:A:VAL:HG21	1:18:A:ARG:HA	10	1.18
(1,992)	1:15:A:VAL:HG22	1:18:A:ARG:HA	10	1.18
(1,992)	1:15:A:VAL:HG23	1:18:A:ARG:HA	10	1.18
(1,991)	1:15:A:VAL:HG21	1:18:A:ARG:HE	13	1.18
(1,991)	1:15:A:VAL:HG22	1:18:A:ARG:HE	13	1.18
(1,991)	1:15:A:VAL:HG23	1:18:A:ARG:HE	13	1.18
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG11	9	1.18
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG12	9	1.18
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG13	9	1.18
(1,913)	1:15:A:VAL:HG21	1:17:A:VAL:HA	15	1.18
(1,913)	1:15:A:VAL:HG22	1:17:A:VAL:HA	15	1.18
(1,913)	1:15:A:VAL:HG23	1:17:A:VAL:HA	15	1.18
(1,827)	1:42:A:LEU:HD21	1:95:A:VAL:H	13	1.18
(1,827)	1:42:A:LEU:HD22	1:95:A:VAL:H	13	1.18
(1,827)	1:42:A:LEU:HD23	1:95:A:VAL:H	13	1.18
(1,2057)	1:81:A:MET:HG3	1:84:A:ILE:H	1	1.17
(1,1167)	1:74:A:VAL:HG21	1:75:A:VAL:HA	1	1.17
(1,1167)	1:74:A:VAL:HG22	1:75:A:VAL:HA	1	1.17
(1,1167)	1:74:A:VAL:HG23	1:75:A:VAL:HA	1	1.17
(1,1093)	1:58:A:VAL:HG21	1:78:A:VAL:H	20	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1093)	1:58:A:VAL:HG22	1:78:A:VAL:H	20	1.17
(1,1093)	1:58:A:VAL:HG23	1:78:A:VAL:H	20	1.17
(1,991)	1:15:A:VAL:HG21	1:18:A:ARG:HE	10	1.17
(1,991)	1:15:A:VAL:HG22	1:18:A:ARG:HE	10	1.17
(1,991)	1:15:A:VAL:HG23	1:18:A:ARG:HE	10	1.17
(1,888)	1:7:A:LEU:HD11	1:40:A:CYS:HA	5	1.17
(1,888)	1:7:A:LEU:HD12	1:40:A:CYS:HA	5	1.17
(1,888)	1:7:A:LEU:HD13	1:40:A:CYS:HA	5	1.17
(1,827)	1:42:A:LEU:HD21	1:95:A:VAL:H	2	1.17
(1,827)	1:42:A:LEU:HD22	1:95:A:VAL:H	2	1.17
(1,827)	1:42:A:LEU:HD23	1:95:A:VAL:H	2	1.17
(1,827)	1:42:A:LEU:HD21	1:95:A:VAL:H	3	1.17
(1,827)	1:42:A:LEU:HD22	1:95:A:VAL:H	3	1.17
(1,827)	1:42:A:LEU:HD23	1:95:A:VAL:H	3	1.17
(1,733)	1:7:A:LEU:HD21	1:42:A:LEU:HB3	7	1.17
(1,733)	1:7:A:LEU:HD22	1:42:A:LEU:HB3	7	1.17
(1,733)	1:7:A:LEU:HD23	1:42:A:LEU:HB3	7	1.17
(1,669)	1:11:A:GLN:HG2	1:13:A:ARG:HG2	4	1.17
(1,601)	1:55:A:GLN:HB2	1:57:A:TYR:H	19	1.17
(1,521)	1:59:A:PHE:HB2	1:92:A:THR:HB	12	1.17
(1,477)	1:62:A:ARG:HB2	1:91:A:ILE:HA	10	1.17
(1,296)	1:63:A:SER:HB3	1:76:A:GLU:HG2	5	1.17
(1,296)	1:63:A:SER:HB3	1:76:A:GLU:HG3	5	1.17
(1,135)	1:42:A:LEU:HD11	1:108:A:ARG:HD3	15	1.17
(1,135)	1:42:A:LEU:HD12	1:108:A:ARG:HD3	15	1.17
(1,135)	1:42:A:LEU:HD13	1:108:A:ARG:HD3	15	1.17
(1,108)	1:18:A:ARG:HD3	1:53:A:LEU:HD11	17	1.17
(1,108)	1:18:A:ARG:HD3	1:53:A:LEU:HD12	17	1.17
(1,108)	1:18:A:ARG:HD3	1:53:A:LEU:HD13	17	1.17
(1,2383)	1:35:A:LEU:HD11	1:38:A:GLY:H	9	1.16
(1,2383)	1:35:A:LEU:HD12	1:38:A:GLY:H	9	1.16
(1,2383)	1:35:A:LEU:HD13	1:38:A:GLY:H	9	1.16
(1,2372)	1:55:A:GLN:HE22	1:56:A:PRO:HD3	5	1.16
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG11	9	1.16
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG12	9	1.16
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG13	9	1.16
(1,1167)	1:74:A:VAL:HG21	1:75:A:VAL:HA	20	1.16
(1,1167)	1:74:A:VAL:HG22	1:75:A:VAL:HA	20	1.16
(1,1167)	1:74:A:VAL:HG23	1:75:A:VAL:HA	20	1.16
(1,1024)	1:15:A:VAL:HG21	1:18:A:ARG:H	12	1.16
(1,1024)	1:15:A:VAL:HG22	1:18:A:ARG:H	12	1.16
(1,1024)	1:15:A:VAL:HG23	1:18:A:ARG:H	12	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,995)	1:15:A:VAL:HG21	1:18:A:ARG:HG3	13	1.16
(1,995)	1:15:A:VAL:HG22	1:18:A:ARG:HG3	13	1.16
(1,995)	1:15:A:VAL:HG23	1:18:A:ARG:HG3	13	1.16
(1,991)	1:15:A:VAL:HG21	1:18:A:ARG:HE	2	1.16
(1,991)	1:15:A:VAL:HG22	1:18:A:ARG:HE	2	1.16
(1,991)	1:15:A:VAL:HG23	1:18:A:ARG:HE	2	1.16
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG11	3	1.16
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG12	3	1.16
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG13	3	1.16
(1,913)	1:15:A:VAL:HG21	1:17:A:VAL:HA	4	1.16
(1,913)	1:15:A:VAL:HG22	1:17:A:VAL:HA	4	1.16
(1,913)	1:15:A:VAL:HG23	1:17:A:VAL:HA	4	1.16
(1,827)	1:42:A:LEU:HD21	1:95:A:VAL:H	11	1.16
(1,827)	1:42:A:LEU:HD22	1:95:A:VAL:H	11	1.16
(1,827)	1:42:A:LEU:HD23	1:95:A:VAL:H	11	1.16
(1,435)	1:42:A:LEU:HD11	1:108:A:ARG:HB2	10	1.16
(1,435)	1:42:A:LEU:HD12	1:108:A:ARG:HB2	10	1.16
(1,435)	1:42:A:LEU:HD13	1:108:A:ARG:HB2	10	1.16
(1,161)	1:11:A:GLN:HB3	1:14:A:ASP:HB3	11	1.16
(1,133)	1:42:A:LEU:HD11	1:108:A:ARG:HD2	14	1.16
(1,133)	1:42:A:LEU:HD12	1:108:A:ARG:HD2	14	1.16
(1,133)	1:42:A:LEU:HD13	1:108:A:ARG:HD2	14	1.16
(1,89)	1:29:A:SER:HA	1:32:A:ARG:HD3	11	1.16
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG11	3	1.15
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG12	3	1.15
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG13	3	1.15
(1,1757)	1:24:A:VAL:HG11	1:56:A:PRO:HD3	5	1.15
(1,1757)	1:24:A:VAL:HG12	1:56:A:PRO:HD3	5	1.15
(1,1757)	1:24:A:VAL:HG13	1:56:A:PRO:HD3	5	1.15
(1,1647)	1:42:A:LEU:HD21	1:96:A:LEU:HA	12	1.15
(1,1647)	1:42:A:LEU:HD22	1:96:A:LEU:HA	12	1.15
(1,1647)	1:42:A:LEU:HD23	1:96:A:LEU:HA	12	1.15
(1,1512)	1:56:A:PRO:HB2	1:81:A:MET:HA	9	1.15
(1,1345)	1:100:A:VAL:HG11	1:102:A:GLU:HA	16	1.15
(1,1345)	1:100:A:VAL:HG12	1:102:A:GLU:HA	16	1.15
(1,1345)	1:100:A:VAL:HG13	1:102:A:GLU:HA	16	1.15
(1,1313)	1:16:A:LEU:H	1:17:A:VAL:HG21	11	1.15
(1,1313)	1:16:A:LEU:H	1:17:A:VAL:HG22	11	1.15
(1,1313)	1:16:A:LEU:H	1:17:A:VAL:HG23	11	1.15
(1,1241)	1:72:A:HIS:HB2	1:74:A:VAL:HG11	8	1.15
(1,1241)	1:72:A:HIS:HB2	1:74:A:VAL:HG12	8	1.15
(1,1241)	1:72:A:HIS:HB2	1:74:A:VAL:HG13	8	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1241)	1:72:A:HIS:HB3	1:74:A:VAL:HG11	8	1.15
(1,1241)	1:72:A:HIS:HB3	1:74:A:VAL:HG12	8	1.15
(1,1241)	1:72:A:HIS:HB3	1:74:A:VAL:HG13	8	1.15
(1,1093)	1:58:A:VAL:HG21	1:78:A:VAL:H	8	1.15
(1,1093)	1:58:A:VAL:HG22	1:78:A:VAL:H	8	1.15
(1,1093)	1:58:A:VAL:HG23	1:78:A:VAL:H	8	1.15
(1,1034)	1:8:A:PRO:HB3	1:104:A:PRO:HA	15	1.15
(1,992)	1:15:A:VAL:HG21	1:18:A:ARG:HA	16	1.15
(1,992)	1:15:A:VAL:HG22	1:18:A:ARG:HA	16	1.15
(1,992)	1:15:A:VAL:HG23	1:18:A:ARG:HA	16	1.15
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG11	14	1.15
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG12	14	1.15
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG13	14	1.15
(1,835)	1:42:A:LEU:HD21	1:60:A:ILE:HG12	13	1.15
(1,835)	1:42:A:LEU:HD22	1:60:A:ILE:HG12	13	1.15
(1,835)	1:42:A:LEU:HD23	1:60:A:ILE:HG12	13	1.15
(1,827)	1:42:A:LEU:HD21	1:95:A:VAL:H	16	1.15
(1,827)	1:42:A:LEU:HD22	1:95:A:VAL:H	16	1.15
(1,827)	1:42:A:LEU:HD23	1:95:A:VAL:H	16	1.15
(1,816)	1:63:A:SER:HB3	1:75:A:VAL:H	12	1.15
(1,816)	1:63:A:SER:HB3	1:75:A:VAL:H	18	1.15
(1,654)	1:42:A:LEU:HG	1:96:A:LEU:HD21	14	1.15
(1,654)	1:42:A:LEU:HG	1:96:A:LEU:HD22	14	1.15
(1,654)	1:42:A:LEU:HG	1:96:A:LEU:HD23	14	1.15
(1,601)	1:55:A:GLN:HB2	1:57:A:TYR:H	5	1.15
(1,421)	1:73:A:LYS:HB2	1:74:A:VAL:HG11	20	1.15
(1,421)	1:73:A:LYS:HB2	1:74:A:VAL:HG12	20	1.15
(1,421)	1:73:A:LYS:HB2	1:74:A:VAL:HG13	20	1.15
(1,421)	1:73:A:LYS:HB3	1:74:A:VAL:HG11	20	1.15
(1,421)	1:73:A:LYS:HB3	1:74:A:VAL:HG12	20	1.15
(1,421)	1:73:A:LYS:HB3	1:74:A:VAL:HG13	20	1.15
(1,112)	1:15:A:VAL:HG21	1:18:A:ARG:HD2	3	1.15
(1,112)	1:15:A:VAL:HG22	1:18:A:ARG:HD2	3	1.15
(1,112)	1:15:A:VAL:HG23	1:18:A:ARG:HD2	3	1.15
(1,2414)	1:59:A:PHE:HB2	1:94:A:GLY:H	1	1.14
(1,2070)	1:8:A:PRO:HG3	1:42:A:LEU:H	4	1.14
(1,1647)	1:42:A:LEU:HD21	1:96:A:LEU:HA	15	1.14
(1,1647)	1:42:A:LEU:HD22	1:96:A:LEU:HA	15	1.14
(1,1647)	1:42:A:LEU:HD23	1:96:A:LEU:HA	15	1.14
(1,1093)	1:58:A:VAL:HG21	1:78:A:VAL:H	14	1.14
(1,1093)	1:58:A:VAL:HG22	1:78:A:VAL:H	14	1.14
(1,1093)	1:58:A:VAL:HG23	1:78:A:VAL:H	14	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,989)	1:15:A:VAL:HG21	1:17:A:VAL:H	4	1.14
(1,989)	1:15:A:VAL:HG22	1:17:A:VAL:H	4	1.14
(1,989)	1:15:A:VAL:HG23	1:17:A:VAL:H	4	1.14
(1,989)	1:15:A:VAL:HG21	1:17:A:VAL:H	20	1.14
(1,989)	1:15:A:VAL:HG22	1:17:A:VAL:H	20	1.14
(1,989)	1:15:A:VAL:HG23	1:17:A:VAL:H	20	1.14
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG11	8	1.14
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG12	8	1.14
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG13	8	1.14
(1,913)	1:15:A:VAL:HG21	1:17:A:VAL:HA	12	1.14
(1,913)	1:15:A:VAL:HG22	1:17:A:VAL:HA	12	1.14
(1,913)	1:15:A:VAL:HG23	1:17:A:VAL:HA	12	1.14
(1,881)	1:77:A:LEU:H	1:112:A:LEU:HD21	19	1.14
(1,881)	1:77:A:LEU:H	1:112:A:LEU:HD22	19	1.14
(1,881)	1:77:A:LEU:H	1:112:A:LEU:HD23	19	1.14
(1,591)	1:80:A:GLU:HG2	1:85:A:GLN:HB3	6	1.14
(1,591)	1:80:A:GLU:HG3	1:85:A:GLN:HB3	6	1.14
(1,205)	1:42:A:LEU:HD11	1:44:A:GLU:HG2	14	1.14
(1,205)	1:42:A:LEU:HD12	1:44:A:GLU:HG2	14	1.14
(1,205)	1:42:A:LEU:HD13	1:44:A:GLU:HG2	14	1.14
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD1	14	1.13
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD2	14	1.13
(1,2414)	1:59:A:PHE:HB2	1:94:A:GLY:H	3	1.13
(1,2414)	1:59:A:PHE:HB2	1:94:A:GLY:H	12	1.13
(1,2383)	1:35:A:LEU:HD11	1:38:A:GLY:H	5	1.13
(1,2383)	1:35:A:LEU:HD12	1:38:A:GLY:H	5	1.13
(1,2383)	1:35:A:LEU:HD13	1:38:A:GLY:H	5	1.13
(1,2383)	1:35:A:LEU:HD11	1:38:A:GLY:H	8	1.13
(1,2383)	1:35:A:LEU:HD12	1:38:A:GLY:H	8	1.13
(1,2383)	1:35:A:LEU:HD13	1:38:A:GLY:H	8	1.13
(1,2383)	1:35:A:LEU:HD11	1:38:A:GLY:H	10	1.13
(1,2383)	1:35:A:LEU:HD12	1:38:A:GLY:H	10	1.13
(1,2383)	1:35:A:LEU:HD13	1:38:A:GLY:H	10	1.13
(1,2278)	1:41:A:GLY:H	1:96:A:LEU:HD21	11	1.13
(1,2278)	1:41:A:GLY:H	1:96:A:LEU:HD22	11	1.13
(1,2278)	1:41:A:GLY:H	1:96:A:LEU:HD23	11	1.13
(1,2188)	1:34:A:HIS:H	1:37:A:ASN:HB3	7	1.13
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG11	2	1.13
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG12	2	1.13
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG13	2	1.13
(1,1757)	1:24:A:VAL:HG11	1:56:A:PRO:HD3	18	1.13
(1,1757)	1:24:A:VAL:HG12	1:56:A:PRO:HD3	18	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1757)	1:24:A:VAL:HG13	1:56:A:PRO:HD3	18	1.13
(1,1647)	1:42:A:LEU:HD21	1:96:A:LEU:HA	9	1.13
(1,1647)	1:42:A:LEU:HD22	1:96:A:LEU:HA	9	1.13
(1,1647)	1:42:A:LEU:HD23	1:96:A:LEU:HA	9	1.13
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD21	14	1.13
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD22	14	1.13
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD23	14	1.13
(1,1093)	1:58:A:VAL:HG21	1:78:A:VAL:H	4	1.13
(1,1093)	1:58:A:VAL:HG22	1:78:A:VAL:H	4	1.13
(1,1093)	1:58:A:VAL:HG23	1:78:A:VAL:H	4	1.13
(1,1093)	1:58:A:VAL:HG21	1:78:A:VAL:H	7	1.13
(1,1093)	1:58:A:VAL:HG22	1:78:A:VAL:H	7	1.13
(1,1093)	1:58:A:VAL:HG23	1:78:A:VAL:H	7	1.13
(1,1093)	1:58:A:VAL:HG21	1:78:A:VAL:H	16	1.13
(1,1093)	1:58:A:VAL:HG22	1:78:A:VAL:H	16	1.13
(1,1093)	1:58:A:VAL:HG23	1:78:A:VAL:H	16	1.13
(1,1065)	1:18:A:ARG:HG2	1:53:A:LEU:HD11	2	1.13
(1,1065)	1:18:A:ARG:HG2	1:53:A:LEU:HD12	2	1.13
(1,1065)	1:18:A:ARG:HG2	1:53:A:LEU:HD13	2	1.13
(1,992)	1:15:A:VAL:HG21	1:18:A:ARG:HA	8	1.13
(1,992)	1:15:A:VAL:HG22	1:18:A:ARG:HA	8	1.13
(1,992)	1:15:A:VAL:HG23	1:18:A:ARG:HA	8	1.13
(1,428)	1:63:A:SER:HB3	1:74:A:VAL:HB	2	1.13
(1,126)	1:25:A:GLU:HG3	1:28:A:LEU:HB2	2	1.13
(1,126)	1:25:A:GLU:HG3	1:28:A:LEU:HB3	2	1.13
(1,112)	1:15:A:VAL:HG21	1:18:A:ARG:HD2	4	1.13
(1,112)	1:15:A:VAL:HG22	1:18:A:ARG:HD2	4	1.13
(1,112)	1:15:A:VAL:HG23	1:18:A:ARG:HD2	4	1.13
(1,2414)	1:59:A:PHE:HB2	1:94:A:GLY:H	5	1.12
(1,2414)	1:59:A:PHE:HB2	1:94:A:GLY:H	6	1.12
(1,2372)	1:55:A:GLN:HE22	1:56:A:PRO:HD3	19	1.12
(1,2243)	1:63:A:SER:HB3	1:76:A:GLU:H	16	1.12
(1,1782)	1:5:A:LEU:H	1:112:A:LEU:HB3	9	1.12
(1,1647)	1:42:A:LEU:HD21	1:96:A:LEU:HA	6	1.12
(1,1647)	1:42:A:LEU:HD22	1:96:A:LEU:HA	6	1.12
(1,1647)	1:42:A:LEU:HD23	1:96:A:LEU:HA	6	1.12
(1,1581)	1:24:A:VAL:HG11	1:81:A:MET:HE1	2	1.12
(1,1581)	1:24:A:VAL:HG11	1:81:A:MET:HE2	2	1.12
(1,1581)	1:24:A:VAL:HG11	1:81:A:MET:HE3	2	1.12
(1,1581)	1:24:A:VAL:HG12	1:81:A:MET:HE1	2	1.12
(1,1581)	1:24:A:VAL:HG12	1:81:A:MET:HE2	2	1.12
(1,1581)	1:24:A:VAL:HG12	1:81:A:MET:HE3	2	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1581)	1:24:A:VAL:HG13	1:81:A:MET:HE1	2	1.12
(1,1581)	1:24:A:VAL:HG13	1:81:A:MET:HE2	2	1.12
(1,1581)	1:24:A:VAL:HG13	1:81:A:MET:HE3	2	1.12
(1,1512)	1:56:A:PRO:HB2	1:81:A:MET:HA	5	1.12
(1,1313)	1:16:A:LEU:H	1:17:A:VAL:HG21	19	1.12
(1,1313)	1:16:A:LEU:H	1:17:A:VAL:HG22	19	1.12
(1,1313)	1:16:A:LEU:H	1:17:A:VAL:HG23	19	1.12
(1,1167)	1:74:A:VAL:HG21	1:75:A:VAL:HA	8	1.12
(1,1167)	1:74:A:VAL:HG22	1:75:A:VAL:HA	8	1.12
(1,1167)	1:74:A:VAL:HG23	1:75:A:VAL:HA	8	1.12
(1,1093)	1:58:A:VAL:HG21	1:78:A:VAL:H	6	1.12
(1,1093)	1:58:A:VAL:HG22	1:78:A:VAL:H	6	1.12
(1,1093)	1:58:A:VAL:HG23	1:78:A:VAL:H	6	1.12
(1,986)	1:42:A:LEU:HA	1:96:A:LEU:HD21	1	1.12
(1,986)	1:42:A:LEU:HA	1:96:A:LEU:HD22	1	1.12
(1,986)	1:42:A:LEU:HA	1:96:A:LEU:HD23	1	1.12
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG11	17	1.12
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG12	17	1.12
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG13	17	1.12
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG11	12	1.12
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG12	12	1.12
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG13	12	1.12
(1,816)	1:63:A:SER:HB3	1:75:A:VAL:H	7	1.12
(1,601)	1:55:A:GLN:HB2	1:57:A:TYR:H	13	1.12
(1,421)	1:73:A:LYS:HB2	1:74:A:VAL:HG11	7	1.12
(1,421)	1:73:A:LYS:HB2	1:74:A:VAL:HG12	7	1.12
(1,421)	1:73:A:LYS:HB2	1:74:A:VAL:HG13	7	1.12
(1,421)	1:73:A:LYS:HB3	1:74:A:VAL:HG11	7	1.12
(1,421)	1:73:A:LYS:HB3	1:74:A:VAL:HG12	7	1.12
(1,421)	1:73:A:LYS:HB3	1:74:A:VAL:HG13	7	1.12
(1,35)	1:21:A:GLY:HA2	1:26:A:GLU:HG3	6	1.12
(1,35)	1:21:A:GLY:HA2	1:26:A:GLU:HG3	19	1.12
(1,2414)	1:59:A:PHE:HB2	1:94:A:GLY:H	16	1.11
(1,2224)	1:18:A:ARG:HE	1:53:A:LEU:HD11	18	1.11
(1,2224)	1:18:A:ARG:HE	1:53:A:LEU:HD12	18	1.11
(1,2224)	1:18:A:ARG:HE	1:53:A:LEU:HD13	18	1.11
(1,2188)	1:34:A:HIS:H	1:37:A:ASN:HB3	4	1.11
(1,1621)	1:63:A:SER:HB2	1:64:A:ASP:HA	19	1.11
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG11	7	1.11
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG12	7	1.11
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG13	7	1.11
(1,1116)	1:50:A:LEU:HD21	1:95:A:VAL:HG21	6	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1116)	1:50:A:LEU:HD21	1:95:A:VAL:HG22	6	1.11
(1,1116)	1:50:A:LEU:HD21	1:95:A:VAL:HG23	6	1.11
(1,1116)	1:50:A:LEU:HD22	1:95:A:VAL:HG21	6	1.11
(1,1116)	1:50:A:LEU:HD22	1:95:A:VAL:HG22	6	1.11
(1,1116)	1:50:A:LEU:HD22	1:95:A:VAL:HG23	6	1.11
(1,1116)	1:50:A:LEU:HD23	1:95:A:VAL:HG21	6	1.11
(1,1116)	1:50:A:LEU:HD23	1:95:A:VAL:HG22	6	1.11
(1,1116)	1:50:A:LEU:HD23	1:95:A:VAL:HG23	6	1.11
(1,1093)	1:58:A:VAL:HG21	1:78:A:VAL:H	10	1.11
(1,1093)	1:58:A:VAL:HG22	1:78:A:VAL:H	10	1.11
(1,1093)	1:58:A:VAL:HG23	1:78:A:VAL:H	10	1.11
(1,1034)	1:8:A:PRO:HB3	1:104:A:PRO:HA	6	1.11
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG11	2	1.11
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG12	2	1.11
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG13	2	1.11
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG11	8	1.11
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG12	8	1.11
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG13	8	1.11
(1,916)	1:24:A:VAL:HG11	1:56:A:PRO:HG3	1	1.11
(1,916)	1:24:A:VAL:HG12	1:56:A:PRO:HG3	1	1.11
(1,916)	1:24:A:VAL:HG13	1:56:A:PRO:HG3	1	1.11
(1,913)	1:15:A:VAL:HG21	1:17:A:VAL:HA	8	1.11
(1,913)	1:15:A:VAL:HG22	1:17:A:VAL:HA	8	1.11
(1,913)	1:15:A:VAL:HG23	1:17:A:VAL:HA	8	1.11
(1,835)	1:42:A:LEU:HD21	1:60:A:ILE:HG12	6	1.11
(1,835)	1:42:A:LEU:HD22	1:60:A:ILE:HG12	6	1.11
(1,835)	1:42:A:LEU:HD23	1:60:A:ILE:HG12	6	1.11
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG11	8	1.11
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG12	8	1.11
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG13	8	1.11
(1,304)	1:56:A:PRO:HB3	1:79:A:ALA:HA	20	1.11
(1,296)	1:63:A:SER:HB3	1:76:A:GLU:HG2	11	1.11
(1,296)	1:63:A:SER:HB3	1:76:A:GLU:HG3	11	1.11
(1,239)	1:29:A:SER:H	1:30:A:GLU:HG3	2	1.11
(1,205)	1:42:A:LEU:HD11	1:44:A:GLU:HG2	11	1.11
(1,205)	1:42:A:LEU:HD12	1:44:A:GLU:HG2	11	1.11
(1,205)	1:42:A:LEU:HD13	1:44:A:GLU:HG2	11	1.11
(1,2383)	1:35:A:LEU:HD11	1:38:A:GLY:H	6	1.1
(1,2383)	1:35:A:LEU:HD12	1:38:A:GLY:H	6	1.1
(1,2383)	1:35:A:LEU:HD13	1:38:A:GLY:H	6	1.1
(1,2372)	1:55:A:GLN:HE22	1:56:A:PRO:HD3	1	1.1
(1,2372)	1:55:A:GLN:HE22	1:56:A:PRO:HD3	13	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2124)	1:63:A:SER:H	1:76:A:GLU:HB2	10	1.1
(1,1642)	1:2:A:HIS:HB2	1:112:A:LEU:HA	5	1.1
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG11	12	1.1
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG12	12	1.1
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG13	12	1.1
(1,1167)	1:74:A:VAL:HG21	1:75:A:VAL:HA	19	1.1
(1,1167)	1:74:A:VAL:HG22	1:75:A:VAL:HA	19	1.1
(1,1167)	1:74:A:VAL:HG23	1:75:A:VAL:HA	19	1.1
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG11	7	1.1
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG12	7	1.1
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG13	7	1.1
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG11	10	1.1
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG12	10	1.1
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG13	10	1.1
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG11	13	1.1
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG12	13	1.1
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG13	13	1.1
(1,889)	1:112:A:LEU:HD21	1:113:A:ARG:HD2	5	1.1
(1,889)	1:112:A:LEU:HD21	1:113:A:ARG:HD3	5	1.1
(1,889)	1:112:A:LEU:HD22	1:113:A:ARG:HD2	5	1.1
(1,889)	1:112:A:LEU:HD22	1:113:A:ARG:HD3	5	1.1
(1,889)	1:112:A:LEU:HD23	1:113:A:ARG:HD2	5	1.1
(1,889)	1:112:A:LEU:HD23	1:113:A:ARG:HD3	5	1.1
(1,733)	1:7:A:LEU:HD21	1:42:A:LEU:HB3	13	1.1
(1,733)	1:7:A:LEU:HD22	1:42:A:LEU:HB3	13	1.1
(1,733)	1:7:A:LEU:HD23	1:42:A:LEU:HB3	13	1.1
(1,521)	1:59:A:PHE:HB2	1:92:A:THR:HB	13	1.1
(1,437)	1:42:A:LEU:HD11	1:108:A:ARG:HB3	18	1.1
(1,437)	1:42:A:LEU:HD12	1:108:A:ARG:HB3	18	1.1
(1,437)	1:42:A:LEU:HD13	1:108:A:ARG:HB3	18	1.1
(1,209)	1:42:A:LEU:HD11	1:44:A:GLU:HG3	9	1.1
(1,209)	1:42:A:LEU:HD12	1:44:A:GLU:HG3	9	1.1
(1,209)	1:42:A:LEU:HD13	1:44:A:GLU:HG3	9	1.1
(1,205)	1:42:A:LEU:HD11	1:44:A:GLU:HG2	10	1.1
(1,205)	1:42:A:LEU:HD12	1:44:A:GLU:HG2	10	1.1
(1,205)	1:42:A:LEU:HD13	1:44:A:GLU:HG2	10	1.1
(1,161)	1:11:A:GLN:HB3	1:14:A:ASP:HB3	18	1.1
(1,133)	1:42:A:LEU:HD11	1:108:A:ARG:HD2	1	1.1
(1,133)	1:42:A:LEU:HD12	1:108:A:ARG:HD2	1	1.1
(1,133)	1:42:A:LEU:HD13	1:108:A:ARG:HD2	1	1.1
(1,133)	1:42:A:LEU:HD11	1:108:A:ARG:HD2	19	1.1
(1,133)	1:42:A:LEU:HD12	1:108:A:ARG:HD2	19	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,133)	1:42:A:LEU:HD13	1:108:A:ARG:HD2	19	1.1
(1,112)	1:15:A:VAL:HG21	1:18:A:ARG:HD2	7	1.1
(1,112)	1:15:A:VAL:HG22	1:18:A:ARG:HD2	7	1.1
(1,112)	1:15:A:VAL:HG23	1:18:A:ARG:HD2	7	1.1
(1,13)	1:35:A:LEU:HD11	1:38:A:GLY:HA2	13	1.1
(1,13)	1:35:A:LEU:HD11	1:38:A:GLY:HA3	13	1.1
(1,13)	1:35:A:LEU:HD12	1:38:A:GLY:HA2	13	1.1
(1,13)	1:35:A:LEU:HD12	1:38:A:GLY:HA3	13	1.1
(1,13)	1:35:A:LEU:HD13	1:38:A:GLY:HA2	13	1.1
(1,13)	1:35:A:LEU:HD13	1:38:A:GLY:HA3	13	1.1
(1,2414)	1:59:A:PHE:HB2	1:94:A:GLY:H	9	1.09
(1,2414)	1:59:A:PHE:HB2	1:94:A:GLY:H	18	1.09
(1,1710)	1:7:A:LEU:HA	1:41:A:GLY:HA3	10	1.09
(1,1647)	1:42:A:LEU:HD21	1:96:A:LEU:HA	18	1.09
(1,1647)	1:42:A:LEU:HD22	1:96:A:LEU:HA	18	1.09
(1,1647)	1:42:A:LEU:HD23	1:96:A:LEU:HA	18	1.09
(1,1512)	1:56:A:PRO:HB2	1:81:A:MET:HA	20	1.09
(1,1313)	1:16:A:LEU:H	1:17:A:VAL:HG21	5	1.09
(1,1313)	1:16:A:LEU:H	1:17:A:VAL:HG22	5	1.09
(1,1313)	1:16:A:LEU:H	1:17:A:VAL:HG23	5	1.09
(1,1241)	1:72:A:HIS:HB2	1:74:A:VAL:HG11	7	1.09
(1,1241)	1:72:A:HIS:HB2	1:74:A:VAL:HG12	7	1.09
(1,1241)	1:72:A:HIS:HB2	1:74:A:VAL:HG13	7	1.09
(1,1241)	1:72:A:HIS:HB3	1:74:A:VAL:HG11	7	1.09
(1,1241)	1:72:A:HIS:HB3	1:74:A:VAL:HG12	7	1.09
(1,1241)	1:72:A:HIS:HB3	1:74:A:VAL:HG13	7	1.09
(1,1167)	1:74:A:VAL:HG21	1:75:A:VAL:HA	7	1.09
(1,1167)	1:74:A:VAL:HG22	1:75:A:VAL:HA	7	1.09
(1,1167)	1:74:A:VAL:HG23	1:75:A:VAL:HA	7	1.09
(1,1167)	1:74:A:VAL:HG21	1:75:A:VAL:HA	10	1.09
(1,1167)	1:74:A:VAL:HG22	1:75:A:VAL:HA	10	1.09
(1,1167)	1:74:A:VAL:HG23	1:75:A:VAL:HA	10	1.09
(1,1006)	1:53:A:LEU:HD11	1:97:A:VAL:HG11	16	1.09
(1,1006)	1:53:A:LEU:HD11	1:97:A:VAL:HG12	16	1.09
(1,1006)	1:53:A:LEU:HD11	1:97:A:VAL:HG13	16	1.09
(1,1006)	1:53:A:LEU:HD12	1:97:A:VAL:HG11	16	1.09
(1,1006)	1:53:A:LEU:HD12	1:97:A:VAL:HG12	16	1.09
(1,1006)	1:53:A:LEU:HD12	1:97:A:VAL:HG13	16	1.09
(1,1006)	1:53:A:LEU:HD13	1:97:A:VAL:HG11	16	1.09
(1,1006)	1:53:A:LEU:HD13	1:97:A:VAL:HG12	16	1.09
(1,1006)	1:53:A:LEU:HD13	1:97:A:VAL:HG13	16	1.09
(1,995)	1:15:A:VAL:HG21	1:18:A:ARG:HG3	5	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,995)	1:15:A:VAL:HG22	1:18:A:ARG:HG3	5	1.09
(1,995)	1:15:A:VAL:HG23	1:18:A:ARG:HG3	5	1.09
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG11	6	1.09
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG12	6	1.09
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG13	6	1.09
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG11	15	1.09
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG12	15	1.09
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG13	15	1.09
(1,847)	1:42:A:LEU:HD21	1:43:A:VAL:H	19	1.09
(1,847)	1:42:A:LEU:HD22	1:43:A:VAL:H	19	1.09
(1,847)	1:42:A:LEU:HD23	1:43:A:VAL:H	19	1.09
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD21	16	1.09
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD22	16	1.09
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD23	16	1.09
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD21	16	1.09
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD22	16	1.09
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD23	16	1.09
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD21	16	1.09
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD22	16	1.09
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD23	16	1.09
(1,759)	1:60:A:ILE:HG12	1:76:A:GLU:H	20	1.09
(1,605)	1:39:A:THR:HB	1:99:A:HIS:HB2	2	1.09
(1,601)	1:55:A:GLN:HB2	1:57:A:TYR:H	15	1.09
(1,497)	1:7:A:LEU:HD11	1:40:A:CYS:HB3	16	1.09
(1,497)	1:7:A:LEU:HD12	1:40:A:CYS:HB3	16	1.09
(1,497)	1:7:A:LEU:HD13	1:40:A:CYS:HB3	16	1.09
(1,497)	1:7:A:LEU:HD11	1:40:A:CYS:HB3	19	1.09
(1,497)	1:7:A:LEU:HD12	1:40:A:CYS:HB3	19	1.09
(1,497)	1:7:A:LEU:HD13	1:40:A:CYS:HB3	19	1.09
(1,161)	1:11:A:GLN:HB3	1:14:A:ASP:HB3	15	1.09
(1,13)	1:35:A:LEU:HD11	1:38:A:GLY:HA2	18	1.09
(1,13)	1:35:A:LEU:HD11	1:38:A:GLY:HA3	18	1.09
(1,13)	1:35:A:LEU:HD12	1:38:A:GLY:HA2	18	1.09
(1,13)	1:35:A:LEU:HD12	1:38:A:GLY:HA3	18	1.09
(1,13)	1:35:A:LEU:HD13	1:38:A:GLY:HA2	18	1.09
(1,13)	1:35:A:LEU:HD13	1:38:A:GLY:HA3	18	1.09
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD1	4	1.08
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD2	4	1.08
(1,2383)	1:35:A:LEU:HD11	1:38:A:GLY:H	3	1.08
(1,2383)	1:35:A:LEU:HD12	1:38:A:GLY:H	3	1.08
(1,2383)	1:35:A:LEU:HD13	1:38:A:GLY:H	3	1.08
(1,2383)	1:35:A:LEU:HD11	1:38:A:GLY:H	17	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2383)	1:35:A:LEU:HD12	1:38:A:GLY:H	17	1.08
(1,2383)	1:35:A:LEU:HD13	1:38:A:GLY:H	17	1.08
(1,2243)	1:63:A:SER:HB3	1:76:A:GLU:H	18	1.08
(1,2243)	1:63:A:SER:HB3	1:76:A:GLU:H	20	1.08
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG11	13	1.08
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG12	13	1.08
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG13	13	1.08
(1,1647)	1:42:A:LEU:HD21	1:96:A:LEU:HA	14	1.08
(1,1647)	1:42:A:LEU:HD22	1:96:A:LEU:HA	14	1.08
(1,1647)	1:42:A:LEU:HD23	1:96:A:LEU:HA	14	1.08
(1,1512)	1:56:A:PRO:HB2	1:81:A:MET:HA	18	1.08
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD21	2	1.08
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD22	2	1.08
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD23	2	1.08
(1,1090)	1:17:A:VAL:HG11	1:98:A:PRO:HG2	2	1.08
(1,1090)	1:17:A:VAL:HG12	1:98:A:PRO:HG2	2	1.08
(1,1090)	1:17:A:VAL:HG13	1:98:A:PRO:HG2	2	1.08
(1,1034)	1:8:A:PRO:HB3	1:104:A:PRO:HA	11	1.08
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG11	9	1.08
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG12	9	1.08
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG13	9	1.08
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG11	20	1.08
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG12	20	1.08
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG13	20	1.08
(1,844)	1:35:A:LEU:HD11	1:40:A:CYS:HB2	9	1.08
(1,844)	1:35:A:LEU:HD12	1:40:A:CYS:HB2	9	1.08
(1,844)	1:35:A:LEU:HD13	1:40:A:CYS:HB2	9	1.08
(1,835)	1:42:A:LEU:HD21	1:60:A:ILE:HG12	11	1.08
(1,835)	1:42:A:LEU:HD22	1:60:A:ILE:HG12	11	1.08
(1,835)	1:42:A:LEU:HD23	1:60:A:ILE:HG12	11	1.08
(1,494)	1:7:A:LEU:HD11	1:40:A:CYS:HB2	18	1.08
(1,494)	1:7:A:LEU:HD12	1:40:A:CYS:HB2	18	1.08
(1,494)	1:7:A:LEU:HD13	1:40:A:CYS:HB2	18	1.08
(1,428)	1:63:A:SER:HB3	1:74:A:VAL:HB	18	1.08
(1,304)	1:56:A:PRO:HB3	1:79:A:ALA:HA	5	1.08
(1,200)	1:62:A:ARG:HG2	1:91:A:ILE:HB	3	1.08
(1,35)	1:21:A:GLY:HA2	1:26:A:GLU:HG3	14	1.08
(1,2414)	1:59:A:PHE:HB2	1:94:A:GLY:H	17	1.07
(1,2188)	1:34:A:HIS:H	1:37:A:ASN:HB3	10	1.07
(1,1941)	1:35:A:LEU:HD11	1:40:A:CYS:H	11	1.07
(1,1941)	1:35:A:LEU:HD12	1:40:A:CYS:H	11	1.07
(1,1941)	1:35:A:LEU:HD13	1:40:A:CYS:H	11	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1512)	1:56:A:PRO:HB2	1:81:A:MET:HA	12	1.07
(1,1151)	1:10:A:LEU:HD21	1:41:A:GLY:HA2	12	1.07
(1,1151)	1:10:A:LEU:HD22	1:41:A:GLY:HA2	12	1.07
(1,1151)	1:10:A:LEU:HD23	1:41:A:GLY:HA2	12	1.07
(1,1093)	1:58:A:VAL:HG21	1:78:A:VAL:H	9	1.07
(1,1093)	1:58:A:VAL:HG22	1:78:A:VAL:H	9	1.07
(1,1093)	1:58:A:VAL:HG23	1:78:A:VAL:H	9	1.07
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG11	5	1.07
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG12	5	1.07
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG13	5	1.07
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG11	7	1.07
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG12	7	1.07
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG13	7	1.07
(1,759)	1:60:A:ILE:HG12	1:76:A:GLU:H	10	1.07
(1,605)	1:39:A:THR:HB	1:99:A:HIS:HB2	3	1.07
(1,601)	1:55:A:GLN:HB2	1:57:A:TYR:H	10	1.07
(1,435)	1:42:A:LEU:HD11	1:108:A:ARG:HB2	12	1.07
(1,435)	1:42:A:LEU:HD12	1:108:A:ARG:HB2	12	1.07
(1,435)	1:42:A:LEU:HD13	1:108:A:ARG:HB2	12	1.07
(1,205)	1:42:A:LEU:HD11	1:44:A:GLU:HG2	3	1.07
(1,205)	1:42:A:LEU:HD12	1:44:A:GLU:HG2	3	1.07
(1,205)	1:42:A:LEU:HD13	1:44:A:GLU:HG2	3	1.07
(1,161)	1:11:A:GLN:HB3	1:14:A:ASP:HB3	16	1.07
(1,135)	1:42:A:LEU:HD11	1:108:A:ARG:HD3	9	1.07
(1,135)	1:42:A:LEU:HD12	1:108:A:ARG:HD3	9	1.07
(1,135)	1:42:A:LEU:HD13	1:108:A:ARG:HD3	9	1.07
(1,43)	1:47:A:LYS:HG3	1:48:A:GLY:HA3	9	1.07
(1,13)	1:35:A:LEU:HD11	1:38:A:GLY:HA2	7	1.07
(1,13)	1:35:A:LEU:HD11	1:38:A:GLY:HA3	7	1.07
(1,13)	1:35:A:LEU:HD12	1:38:A:GLY:HA2	7	1.07
(1,13)	1:35:A:LEU:HD12	1:38:A:GLY:HA3	7	1.07
(1,13)	1:35:A:LEU:HD13	1:38:A:GLY:HA2	7	1.07
(1,13)	1:35:A:LEU:HD13	1:38:A:GLY:HA3	7	1.07
(1,2341)	1:11:A:GLN:HE22	1:12:A:VAL:HG11	1	1.06
(1,2341)	1:11:A:GLN:HE22	1:12:A:VAL:HG12	1	1.06
(1,2341)	1:11:A:GLN:HE22	1:12:A:VAL:HG13	1	1.06
(1,2278)	1:41:A:GLY:H	1:96:A:LEU:HD21	7	1.06
(1,2278)	1:41:A:GLY:H	1:96:A:LEU:HD22	7	1.06
(1,2278)	1:41:A:GLY:H	1:96:A:LEU:HD23	7	1.06
(1,2257)	1:20:A:PHE:HB3	1:28:A:LEU:H	10	1.06
(1,2243)	1:63:A:SER:HB3	1:76:A:GLU:H	6	1.06
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG11	12	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG12	12	1.06
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG13	12	1.06
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG11	20	1.06
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG12	20	1.06
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG13	20	1.06
(1,1782)	1:5:A:LEU:H	1:112:A:LEU:HB3	4	1.06
(1,1782)	1:5:A:LEU:H	1:112:A:LEU:HB3	6	1.06
(1,1782)	1:5:A:LEU:H	1:112:A:LEU:HB3	20	1.06
(1,1728)	1:7:A:LEU:HD11	1:8:A:PRO:HD3	11	1.06
(1,1728)	1:7:A:LEU:HD12	1:8:A:PRO:HD3	11	1.06
(1,1728)	1:7:A:LEU:HD13	1:8:A:PRO:HD3	11	1.06
(1,1647)	1:42:A:LEU:HD21	1:96:A:LEU:HA	11	1.06
(1,1647)	1:42:A:LEU:HD22	1:96:A:LEU:HA	11	1.06
(1,1647)	1:42:A:LEU:HD23	1:96:A:LEU:HA	11	1.06
(1,1512)	1:56:A:PRO:HB2	1:81:A:MET:HA	19	1.06
(1,1241)	1:72:A:HIS:HB2	1:74:A:VAL:HG11	10	1.06
(1,1241)	1:72:A:HIS:HB2	1:74:A:VAL:HG12	10	1.06
(1,1241)	1:72:A:HIS:HB2	1:74:A:VAL:HG13	10	1.06
(1,1241)	1:72:A:HIS:HB3	1:74:A:VAL:HG11	10	1.06
(1,1241)	1:72:A:HIS:HB3	1:74:A:VAL:HG12	10	1.06
(1,1241)	1:72:A:HIS:HB3	1:74:A:VAL:HG13	10	1.06
(1,1027)	1:15:A:VAL:HG21	1:18:A:ARG:HG2	14	1.06
(1,1027)	1:15:A:VAL:HG22	1:18:A:ARG:HG2	14	1.06
(1,1027)	1:15:A:VAL:HG23	1:18:A:ARG:HG2	14	1.06
(1,989)	1:15:A:VAL:HG21	1:17:A:VAL:H	3	1.06
(1,989)	1:15:A:VAL:HG22	1:17:A:VAL:H	3	1.06
(1,989)	1:15:A:VAL:HG23	1:17:A:VAL:H	3	1.06
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG11	3	1.06
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG12	3	1.06
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG13	3	1.06
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG11	15	1.06
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG12	15	1.06
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG13	15	1.06
(1,913)	1:15:A:VAL:HG21	1:17:A:VAL:HA	3	1.06
(1,913)	1:15:A:VAL:HG22	1:17:A:VAL:HA	3	1.06
(1,913)	1:15:A:VAL:HG23	1:17:A:VAL:HA	3	1.06
(1,913)	1:15:A:VAL:HG21	1:17:A:VAL:HA	20	1.06
(1,913)	1:15:A:VAL:HG22	1:17:A:VAL:HA	20	1.06
(1,913)	1:15:A:VAL:HG23	1:17:A:VAL:HA	20	1.06
(1,605)	1:39:A:THR:HB	1:99:A:HIS:HB2	12	1.06
(1,601)	1:55:A:GLN:HB2	1:57:A:TYR:H	20	1.06
(1,437)	1:42:A:LEU:HD11	1:108:A:ARG:HB3	4	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,437)	1:42:A:LEU:HD12	1:108:A:ARG:HB3	4	1.06
(1,437)	1:42:A:LEU:HD13	1:108:A:ARG:HB3	4	1.06
(1,161)	1:11:A:GLN:HB3	1:14:A:ASP:HB3	5	1.06
(1,2257)	1:20:A:PHE:HB3	1:28:A:LEU:H	16	1.05
(1,1728)	1:7:A:LEU:HD11	1:8:A:PRO:HD3	20	1.05
(1,1728)	1:7:A:LEU:HD12	1:8:A:PRO:HD3	20	1.05
(1,1728)	1:7:A:LEU:HD13	1:8:A:PRO:HD3	20	1.05
(1,1557)	1:73:A:LYS:HA	1:74:A:VAL:HG11	7	1.05
(1,1557)	1:73:A:LYS:HA	1:74:A:VAL:HG12	7	1.05
(1,1557)	1:73:A:LYS:HA	1:74:A:VAL:HG13	7	1.05
(1,1512)	1:56:A:PRO:HB2	1:81:A:MET:HA	4	1.05
(1,989)	1:15:A:VAL:HG21	1:17:A:VAL:H	14	1.05
(1,989)	1:15:A:VAL:HG22	1:17:A:VAL:H	14	1.05
(1,989)	1:15:A:VAL:HG23	1:17:A:VAL:H	14	1.05
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD11	20	1.05
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD12	20	1.05
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD13	20	1.05
(1,827)	1:42:A:LEU:HD21	1:95:A:VAL:H	4	1.05
(1,827)	1:42:A:LEU:HD22	1:95:A:VAL:H	4	1.05
(1,827)	1:42:A:LEU:HD23	1:95:A:VAL:H	4	1.05
(1,759)	1:60:A:ILE:HG12	1:76:A:GLU:H	5	1.05
(1,759)	1:60:A:ILE:HG12	1:76:A:GLU:H	15	1.05
(1,638)	1:89:A:SER:HB2	1:91:A:ILE:HG12	11	1.05
(1,605)	1:39:A:THR:HB	1:99:A:HIS:HB2	9	1.05
(1,601)	1:55:A:GLN:HB2	1:57:A:TYR:H	18	1.05
(1,466)	1:72:A:HIS:HB2	1:73:A:LYS:HG2	17	1.05
(1,466)	1:72:A:HIS:HB3	1:73:A:LYS:HG2	17	1.05
(1,437)	1:42:A:LEU:HD11	1:108:A:ARG:HB3	3	1.05
(1,437)	1:42:A:LEU:HD12	1:108:A:ARG:HB3	3	1.05
(1,437)	1:42:A:LEU:HD13	1:108:A:ARG:HB3	3	1.05
(1,437)	1:42:A:LEU:HD11	1:108:A:ARG:HB3	19	1.05
(1,437)	1:42:A:LEU:HD12	1:108:A:ARG:HB3	19	1.05
(1,437)	1:42:A:LEU:HD13	1:108:A:ARG:HB3	19	1.05
(1,304)	1:56:A:PRO:HB3	1:79:A:ALA:HA	1	1.05
(1,139)	1:63:A:SER:HB2	1:66:A:LEU:HB2	13	1.05
(1,43)	1:47:A:LYS:HG3	1:48:A:GLY:HA3	1	1.05
(1,35)	1:21:A:GLY:HA2	1:26:A:GLU:HG3	9	1.05
(1,2414)	1:59:A:PHE:HB2	1:94:A:GLY:H	7	1.04
(1,2383)	1:35:A:LEU:HD11	1:38:A:GLY:H	2	1.04
(1,2383)	1:35:A:LEU:HD12	1:38:A:GLY:H	2	1.04
(1,2383)	1:35:A:LEU:HD13	1:38:A:GLY:H	2	1.04
(1,1757)	1:24:A:VAL:HG11	1:56:A:PRO:HD3	15	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1757)	1:24:A:VAL:HG12	1:56:A:PRO:HD3	15	1.04
(1,1757)	1:24:A:VAL:HG13	1:56:A:PRO:HD3	15	1.04
(1,1621)	1:63:A:SER:HB2	1:64:A:ASP:HA	5	1.04
(1,1167)	1:74:A:VAL:HG21	1:75:A:VAL:HA	3	1.04
(1,1167)	1:74:A:VAL:HG22	1:75:A:VAL:HA	3	1.04
(1,1167)	1:74:A:VAL:HG23	1:75:A:VAL:HA	3	1.04
(1,1093)	1:58:A:VAL:HG21	1:78:A:VAL:H	3	1.04
(1,1093)	1:58:A:VAL:HG22	1:78:A:VAL:H	3	1.04
(1,1093)	1:58:A:VAL:HG23	1:78:A:VAL:H	3	1.04
(1,827)	1:42:A:LEU:HD21	1:95:A:VAL:H	12	1.04
(1,827)	1:42:A:LEU:HD22	1:95:A:VAL:H	12	1.04
(1,827)	1:42:A:LEU:HD23	1:95:A:VAL:H	12	1.04
(1,759)	1:60:A:ILE:HG12	1:76:A:GLU:H	3	1.04
(1,759)	1:60:A:ILE:HG12	1:76:A:GLU:H	6	1.04
(1,759)	1:60:A:ILE:HG12	1:76:A:GLU:H	16	1.04
(1,437)	1:42:A:LEU:HD11	1:108:A:ARG:HB3	14	1.04
(1,437)	1:42:A:LEU:HD12	1:108:A:ARG:HB3	14	1.04
(1,437)	1:42:A:LEU:HD13	1:108:A:ARG:HB3	14	1.04
(1,304)	1:56:A:PRO:HB3	1:79:A:ALA:HA	7	1.04
(1,139)	1:63:A:SER:HB2	1:66:A:LEU:HB2	19	1.04
(1,2383)	1:35:A:LEU:HD11	1:38:A:GLY:H	7	1.03
(1,2383)	1:35:A:LEU:HD12	1:38:A:GLY:H	7	1.03
(1,2383)	1:35:A:LEU:HD13	1:38:A:GLY:H	7	1.03
(1,2313)	1:4:A:GLN:HE22	1:109:A:ASN:HD22	11	1.03
(1,2188)	1:34:A:HIS:H	1:37:A:ASN:HB3	2	1.03
(1,2188)	1:34:A:HIS:H	1:37:A:ASN:HB3	8	1.03
(1,1757)	1:24:A:VAL:HG11	1:56:A:PRO:HD3	9	1.03
(1,1757)	1:24:A:VAL:HG12	1:56:A:PRO:HD3	9	1.03
(1,1757)	1:24:A:VAL:HG13	1:56:A:PRO:HD3	9	1.03
(1,1621)	1:63:A:SER:HB2	1:64:A:ASP:HA	7	1.03
(1,1621)	1:63:A:SER:HB2	1:64:A:ASP:HA	16	1.03
(1,1151)	1:10:A:LEU:HD21	1:41:A:GLY:HA2	20	1.03
(1,1151)	1:10:A:LEU:HD22	1:41:A:GLY:HA2	20	1.03
(1,1151)	1:10:A:LEU:HD23	1:41:A:GLY:HA2	20	1.03
(1,986)	1:42:A:LEU:HA	1:96:A:LEU:HD21	14	1.03
(1,986)	1:42:A:LEU:HA	1:96:A:LEU:HD22	14	1.03
(1,986)	1:42:A:LEU:HA	1:96:A:LEU:HD23	14	1.03
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG11	16	1.03
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG12	16	1.03
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG13	16	1.03
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG11	18	1.03
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG12	18	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG13	18	1.03
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG11	1	1.03
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG12	1	1.03
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG13	1	1.03
(1,816)	1:63:A:SER:HB3	1:75:A:VAL:H	2	1.03
(1,759)	1:60:A:ILE:HG12	1:76:A:GLU:H	11	1.03
(1,759)	1:60:A:ILE:HG12	1:76:A:GLU:H	13	1.03
(1,601)	1:55:A:GLN:HB2	1:57:A:TYR:H	6	1.03
(1,521)	1:59:A:PHE:HB2	1:92:A:THR:HB	9	1.03
(1,304)	1:56:A:PRO:HB3	1:79:A:ALA:HA	12	1.03
(1,225)	1:100:A:VAL:HG11	1:102:A:GLU:HG3	19	1.03
(1,225)	1:100:A:VAL:HG12	1:102:A:GLU:HG3	19	1.03
(1,225)	1:100:A:VAL:HG13	1:102:A:GLU:HG3	19	1.03
(1,205)	1:42:A:LEU:HD11	1:44:A:GLU:HG2	15	1.03
(1,205)	1:42:A:LEU:HD12	1:44:A:GLU:HG2	15	1.03
(1,205)	1:42:A:LEU:HD13	1:44:A:GLU:HG2	15	1.03
(1,82)	1:7:A:LEU:HD11	1:41:A:GLY:HA3	17	1.03
(1,82)	1:7:A:LEU:HD12	1:41:A:GLY:HA3	17	1.03
(1,82)	1:7:A:LEU:HD13	1:41:A:GLY:HA3	17	1.03
(1,82)	1:7:A:LEU:HD11	1:41:A:GLY:HA3	19	1.03
(1,82)	1:7:A:LEU:HD12	1:41:A:GLY:HA3	19	1.03
(1,82)	1:7:A:LEU:HD13	1:41:A:GLY:HA3	19	1.03
(1,64)	1:7:A:LEU:HB2	1:41:A:GLY:HA3	9	1.03
(1,2383)	1:35:A:LEU:HD11	1:38:A:GLY:H	12	1.02
(1,2383)	1:35:A:LEU:HD12	1:38:A:GLY:H	12	1.02
(1,2383)	1:35:A:LEU:HD13	1:38:A:GLY:H	12	1.02
(1,2373)	1:55:A:GLN:HE22	1:82:A:ASP:HB2	19	1.02
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG11	8	1.02
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG12	8	1.02
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG13	8	1.02
(1,1621)	1:63:A:SER:HB2	1:64:A:ASP:HA	9	1.02
(1,1241)	1:72:A:HIS:HB2	1:74:A:VAL:HG11	13	1.02
(1,1241)	1:72:A:HIS:HB2	1:74:A:VAL:HG12	13	1.02
(1,1241)	1:72:A:HIS:HB2	1:74:A:VAL:HG13	13	1.02
(1,1241)	1:72:A:HIS:HB3	1:74:A:VAL:HG11	13	1.02
(1,1241)	1:72:A:HIS:HB3	1:74:A:VAL:HG12	13	1.02
(1,1241)	1:72:A:HIS:HB3	1:74:A:VAL:HG13	13	1.02
(1,1057)	1:29:A:SER:HA	1:32:A:ARG:HB2	2	1.02
(1,1034)	1:8:A:PRO:HB3	1:104:A:PRO:HA	20	1.02
(1,989)	1:15:A:VAL:HG21	1:17:A:VAL:H	10	1.02
(1,989)	1:15:A:VAL:HG22	1:17:A:VAL:H	10	1.02
(1,989)	1:15:A:VAL:HG23	1:17:A:VAL:H	10	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,989)	1:15:A:VAL:HG21	1:17:A:VAL:H	16	1.02
(1,989)	1:15:A:VAL:HG22	1:17:A:VAL:H	16	1.02
(1,989)	1:15:A:VAL:HG23	1:17:A:VAL:H	16	1.02
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG11	19	1.02
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG12	19	1.02
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG13	19	1.02
(1,759)	1:60:A:ILE:HG12	1:76:A:GLU:H	2	1.02
(1,759)	1:60:A:ILE:HG12	1:76:A:GLU:H	7	1.02
(1,759)	1:60:A:ILE:HG12	1:76:A:GLU:H	12	1.02
(1,601)	1:55:A:GLN:HB2	1:57:A:TYR:H	9	1.02
(1,350)	1:3:A:VAL:HB	1:112:A:LEU:HD11	5	1.02
(1,350)	1:3:A:VAL:HB	1:112:A:LEU:HD12	5	1.02
(1,350)	1:3:A:VAL:HB	1:112:A:LEU:HD13	5	1.02
(1,304)	1:56:A:PRO:HB3	1:79:A:ALA:HA	17	1.02
(1,126)	1:25:A:GLU:HG3	1:28:A:LEU:HB2	13	1.02
(1,126)	1:25:A:GLU:HG3	1:28:A:LEU:HB3	13	1.02
(1,2414)	1:59:A:PHE:HB2	1:94:A:GLY:H	11	1.01
(1,2278)	1:41:A:GLY:H	1:96:A:LEU:HD21	17	1.01
(1,2278)	1:41:A:GLY:H	1:96:A:LEU:HD22	17	1.01
(1,2278)	1:41:A:GLY:H	1:96:A:LEU:HD23	17	1.01
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG11	5	1.01
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG12	5	1.01
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG13	5	1.01
(1,1557)	1:73:A:LYS:HA	1:74:A:VAL:HG11	8	1.01
(1,1557)	1:73:A:LYS:HA	1:74:A:VAL:HG12	8	1.01
(1,1557)	1:73:A:LYS:HA	1:74:A:VAL:HG13	8	1.01
(1,1557)	1:73:A:LYS:HA	1:74:A:VAL:HG11	10	1.01
(1,1557)	1:73:A:LYS:HA	1:74:A:VAL:HG12	10	1.01
(1,1557)	1:73:A:LYS:HA	1:74:A:VAL:HG13	10	1.01
(1,1502)	1:43:A:VAL:HG21	1:97:A:VAL:HG21	8	1.01
(1,1502)	1:43:A:VAL:HG21	1:97:A:VAL:HG22	8	1.01
(1,1502)	1:43:A:VAL:HG21	1:97:A:VAL:HG23	8	1.01
(1,1502)	1:43:A:VAL:HG22	1:97:A:VAL:HG21	8	1.01
(1,1502)	1:43:A:VAL:HG22	1:97:A:VAL:HG22	8	1.01
(1,1502)	1:43:A:VAL:HG22	1:97:A:VAL:HG23	8	1.01
(1,1502)	1:43:A:VAL:HG23	1:97:A:VAL:HG21	8	1.01
(1,1502)	1:43:A:VAL:HG23	1:97:A:VAL:HG22	8	1.01
(1,1502)	1:43:A:VAL:HG23	1:97:A:VAL:HG23	8	1.01
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD21	20	1.01
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD22	20	1.01
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD23	20	1.01
(1,1116)	1:50:A:LEU:HD21	1:95:A:VAL:HG21	3	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1116)	1:50:A:LEU:HD21	1:95:A:VAL:HG22	3	1.01
(1,1116)	1:50:A:LEU:HD21	1:95:A:VAL:HG23	3	1.01
(1,1116)	1:50:A:LEU:HD22	1:95:A:VAL:HG21	3	1.01
(1,1116)	1:50:A:LEU:HD22	1:95:A:VAL:HG22	3	1.01
(1,1116)	1:50:A:LEU:HD22	1:95:A:VAL:HG23	3	1.01
(1,1116)	1:50:A:LEU:HD23	1:95:A:VAL:HG21	3	1.01
(1,1116)	1:50:A:LEU:HD23	1:95:A:VAL:HG22	3	1.01
(1,1116)	1:50:A:LEU:HD23	1:95:A:VAL:HG23	3	1.01
(1,1057)	1:29:A:SER:HA	1:32:A:ARG:HB2	18	1.01
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG11	15	1.01
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG12	15	1.01
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG13	15	1.01
(1,835)	1:42:A:LEU:HD21	1:60:A:ILE:HG12	7	1.01
(1,835)	1:42:A:LEU:HD22	1:60:A:ILE:HG12	7	1.01
(1,835)	1:42:A:LEU:HD23	1:60:A:ILE:HG12	7	1.01
(1,759)	1:60:A:ILE:HG12	1:76:A:GLU:H	4	1.01
(1,552)	1:17:A:VAL:HG11	1:18:A:ARG:HG2	4	1.01
(1,552)	1:17:A:VAL:HG12	1:18:A:ARG:HG2	4	1.01
(1,552)	1:17:A:VAL:HG13	1:18:A:ARG:HG2	4	1.01
(1,304)	1:56:A:PRO:HB3	1:79:A:ALA:HA	13	1.01
(1,304)	1:56:A:PRO:HB3	1:79:A:ALA:HA	15	1.01
(1,200)	1:62:A:ARG:HG2	1:91:A:ILE:HB	6	1.01
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD1	17	1.0
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD2	17	1.0
(1,2383)	1:35:A:LEU:HD11	1:38:A:GLY:H	18	1.0
(1,2383)	1:35:A:LEU:HD12	1:38:A:GLY:H	18	1.0
(1,2383)	1:35:A:LEU:HD13	1:38:A:GLY:H	18	1.0
(1,2188)	1:34:A:HIS:H	1:37:A:ASN:HB3	16	1.0
(1,1978)	1:50:A:LEU:HD21	1:53:A:LEU:H	14	1.0
(1,1978)	1:50:A:LEU:HD22	1:53:A:LEU:H	14	1.0
(1,1978)	1:50:A:LEU:HD23	1:53:A:LEU:H	14	1.0
(1,827)	1:42:A:LEU:HD21	1:95:A:VAL:H	1	1.0
(1,827)	1:42:A:LEU:HD22	1:95:A:VAL:H	1	1.0
(1,827)	1:42:A:LEU:HD23	1:95:A:VAL:H	1	1.0
(1,759)	1:60:A:ILE:HG12	1:76:A:GLU:H	17	1.0
(1,759)	1:60:A:ILE:HG12	1:76:A:GLU:H	18	1.0
(1,759)	1:60:A:ILE:HG12	1:76:A:GLU:H	19	1.0
(1,464)	1:51:A:PRO:HB3	1:52:A:GLN:HG2	20	1.0
(1,64)	1:7:A:LEU:HB2	1:41:A:GLY:HA3	11	1.0
(1,2257)	1:20:A:PHE:HB3	1:28:A:LEU:H	17	0.99
(1,1642)	1:2:A:HIS:HB2	1:112:A:LEU:HA	18	0.99
(1,1557)	1:73:A:LYS:HA	1:74:A:VAL:HG11	1	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1557)	1:73:A:LYS:HA	1:74:A:VAL:HG12	1	0.99
(1,1557)	1:73:A:LYS:HA	1:74:A:VAL:HG13	1	0.99
(1,1557)	1:73:A:LYS:HA	1:74:A:VAL:HG11	17	0.99
(1,1557)	1:73:A:LYS:HA	1:74:A:VAL:HG12	17	0.99
(1,1557)	1:73:A:LYS:HA	1:74:A:VAL:HG13	17	0.99
(1,1155)	1:9:A:VAL:HA	1:42:A:LEU:HB2	16	0.99
(1,1034)	1:8:A:PRO:HB3	1:104:A:PRO:HA	10	0.99
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG11	17	0.99
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG12	17	0.99
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG13	17	0.99
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG11	8	0.99
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG12	8	0.99
(1,968)	1:14:A:ASP:HA	1:15:A:VAL:HG13	8	0.99
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG11	10	0.99
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG12	10	0.99
(1,962)	1:14:A:ASP:H	1:15:A:VAL:HG13	10	0.99
(1,827)	1:42:A:LEU:HD21	1:95:A:VAL:H	9	0.99
(1,827)	1:42:A:LEU:HD22	1:95:A:VAL:H	9	0.99
(1,827)	1:42:A:LEU:HD23	1:95:A:VAL:H	9	0.99
(1,778)	1:10:A:LEU:HD11	1:102:A:GLU:HB3	9	0.99
(1,778)	1:10:A:LEU:HD12	1:102:A:GLU:HB3	9	0.99
(1,778)	1:10:A:LEU:HD13	1:102:A:GLU:HB3	9	0.99
(1,759)	1:60:A:ILE:HG12	1:76:A:GLU:H	14	0.99
(1,605)	1:39:A:THR:HB	1:99:A:HIS:HB2	18	0.99
(1,601)	1:55:A:GLN:HB2	1:57:A:TYR:H	4	0.99
(1,552)	1:17:A:VAL:HG11	1:18:A:ARG:HG2	17	0.99
(1,552)	1:17:A:VAL:HG12	1:18:A:ARG:HG2	17	0.99
(1,552)	1:17:A:VAL:HG13	1:18:A:ARG:HG2	17	0.99
(1,304)	1:56:A:PRO:HB3	1:79:A:ALA:HA	8	0.99
(1,304)	1:56:A:PRO:HB3	1:79:A:ALA:HA	9	0.99
(1,304)	1:56:A:PRO:HB3	1:79:A:ALA:HA	11	0.99
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG11	15	0.99
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG12	15	0.99
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG13	15	0.99
(1,209)	1:42:A:LEU:HD11	1:44:A:GLU:HG3	2	0.99
(1,209)	1:42:A:LEU:HD12	1:44:A:GLU:HG3	2	0.99
(1,209)	1:42:A:LEU:HD13	1:44:A:GLU:HG3	2	0.99
(1,161)	1:11:A:GLN:HB3	1:14:A:ASP:HB3	13	0.99
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD1	19	0.98
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD2	19	0.98
(1,1642)	1:2:A:HIS:HB2	1:112:A:LEU:HA	9	0.98
(1,1027)	1:15:A:VAL:HG21	1:18:A:ARG:HG2	19	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1027)	1:15:A:VAL:HG22	1:18:A:ARG:HG2	19	0.98
(1,1027)	1:15:A:VAL:HG23	1:18:A:ARG:HG2	19	0.98
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG11	3	0.98
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG12	3	0.98
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG13	3	0.98
(1,903)	1:74:A:VAL:HG11	1:111:A:LEU:HD11	20	0.98
(1,903)	1:74:A:VAL:HG11	1:111:A:LEU:HD12	20	0.98
(1,903)	1:74:A:VAL:HG11	1:111:A:LEU:HD13	20	0.98
(1,903)	1:74:A:VAL:HG12	1:111:A:LEU:HD11	20	0.98
(1,903)	1:74:A:VAL:HG12	1:111:A:LEU:HD12	20	0.98
(1,903)	1:74:A:VAL:HG12	1:111:A:LEU:HD13	20	0.98
(1,903)	1:74:A:VAL:HG13	1:111:A:LEU:HD11	20	0.98
(1,903)	1:74:A:VAL:HG13	1:111:A:LEU:HD12	20	0.98
(1,903)	1:74:A:VAL:HG13	1:111:A:LEU:HD13	20	0.98
(1,888)	1:7:A:LEU:HD11	1:40:A:CYS:HA	4	0.98
(1,888)	1:7:A:LEU:HD12	1:40:A:CYS:HA	4	0.98
(1,888)	1:7:A:LEU:HD13	1:40:A:CYS:HA	4	0.98
(1,847)	1:42:A:LEU:HD21	1:43:A:VAL:H	10	0.98
(1,847)	1:42:A:LEU:HD22	1:43:A:VAL:H	10	0.98
(1,847)	1:42:A:LEU:HD23	1:43:A:VAL:H	10	0.98
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD21	19	0.98
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD22	19	0.98
(1,836)	1:42:A:LEU:HD21	1:96:A:LEU:HD23	19	0.98
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD21	19	0.98
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD22	19	0.98
(1,836)	1:42:A:LEU:HD22	1:96:A:LEU:HD23	19	0.98
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD21	19	0.98
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD22	19	0.98
(1,836)	1:42:A:LEU:HD23	1:96:A:LEU:HD23	19	0.98
(1,835)	1:42:A:LEU:HD21	1:60:A:ILE:HG12	10	0.98
(1,835)	1:42:A:LEU:HD22	1:60:A:ILE:HG12	10	0.98
(1,835)	1:42:A:LEU:HD23	1:60:A:ILE:HG12	10	0.98
(1,827)	1:42:A:LEU:HD21	1:95:A:VAL:H	19	0.98
(1,827)	1:42:A:LEU:HD22	1:95:A:VAL:H	19	0.98
(1,827)	1:42:A:LEU:HD23	1:95:A:VAL:H	19	0.98
(1,759)	1:60:A:ILE:HG12	1:76:A:GLU:H	1	0.98
(1,759)	1:60:A:ILE:HG12	1:76:A:GLU:H	9	0.98
(1,733)	1:7:A:LEU:HD21	1:42:A:LEU:HB3	15	0.98
(1,733)	1:7:A:LEU:HD22	1:42:A:LEU:HB3	15	0.98
(1,733)	1:7:A:LEU:HD23	1:42:A:LEU:HB3	15	0.98
(1,494)	1:7:A:LEU:HD11	1:40:A:CYS:HB2	9	0.98
(1,494)	1:7:A:LEU:HD12	1:40:A:CYS:HB2	9	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,494)	1:7:A:LEU:HD13	1:40:A:CYS:HB2	9	0.98
(1,187)	1:42:A:LEU:HD21	1:60:A:ILE:HB	19	0.98
(1,187)	1:42:A:LEU:HD22	1:60:A:ILE:HB	19	0.98
(1,187)	1:42:A:LEU:HD23	1:60:A:ILE:HB	19	0.98
(1,112)	1:15:A:VAL:HG21	1:18:A:ARG:HD2	20	0.98
(1,112)	1:15:A:VAL:HG22	1:18:A:ARG:HD2	20	0.98
(1,112)	1:15:A:VAL:HG23	1:18:A:ARG:HD2	20	0.98
(1,44)	1:48:A:GLY:HA3	1:51:A:PRO:HD3	8	0.98
(1,43)	1:47:A:LYS:HG3	1:48:A:GLY:HA3	14	0.98
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD1	15	0.97
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD2	15	0.97
(1,2373)	1:55:A:GLN:HE22	1:82:A:ASP:HB2	17	0.97
(1,1647)	1:42:A:LEU:HD21	1:96:A:LEU:HA	1	0.97
(1,1647)	1:42:A:LEU:HD22	1:96:A:LEU:HA	1	0.97
(1,1647)	1:42:A:LEU:HD23	1:96:A:LEU:HA	1	0.97
(1,1557)	1:73:A:LYS:HA	1:74:A:VAL:HG11	11	0.97
(1,1557)	1:73:A:LYS:HA	1:74:A:VAL:HG12	11	0.97
(1,1557)	1:73:A:LYS:HA	1:74:A:VAL:HG13	11	0.97
(1,1512)	1:56:A:PRO:HB2	1:81:A:MET:HA	13	0.97
(1,1034)	1:8:A:PRO:HB3	1:104:A:PRO:HA	5	0.97
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG11	9	0.97
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG12	9	0.97
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG13	9	0.97
(1,844)	1:35:A:LEU:HD11	1:40:A:CYS:HB2	7	0.97
(1,844)	1:35:A:LEU:HD12	1:40:A:CYS:HB2	7	0.97
(1,844)	1:35:A:LEU:HD13	1:40:A:CYS:HB2	7	0.97
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD21	6	0.97
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD22	6	0.97
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD23	6	0.97
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG11	3	0.97
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG12	3	0.97
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG13	3	0.97
(1,605)	1:39:A:THR:HB	1:99:A:HIS:HB2	13	0.97
(1,601)	1:55:A:GLN:HB2	1:57:A:TYR:H	3	0.97
(1,558)	1:36:A:LYS:H	1:36:A:LYS:HD3	9	0.97
(1,509)	1:38:A:GLY:HA2	1:40:A:CYS:HB2	10	0.97
(1,509)	1:38:A:GLY:HA3	1:40:A:CYS:HB2	10	0.97
(1,435)	1:42:A:LEU:HD11	1:108:A:ARG:HB2	11	0.97
(1,435)	1:42:A:LEU:HD12	1:108:A:ARG:HB2	11	0.97
(1,435)	1:42:A:LEU:HD13	1:108:A:ARG:HB2	11	0.97
(1,435)	1:42:A:LEU:HD11	1:108:A:ARG:HB2	14	0.97
(1,435)	1:42:A:LEU:HD12	1:108:A:ARG:HB2	14	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,435)	1:42:A:LEU:HD13	1:108:A:ARG:HB2	14	0.97
(1,428)	1:63:A:SER:HB3	1:74:A:VAL:HB	16	0.97
(1,2426)	1:21:A:GLY:H	1:30:A:GLU:HB3	12	0.96
(1,2351)	1:4:A:GLN:HE22	1:5:A:LEU:H	14	0.96
(1,1812)	1:112:A:LEU:HD21	1:114:A:LYS:H	5	0.96
(1,1812)	1:112:A:LEU:HD22	1:114:A:LYS:H	5	0.96
(1,1812)	1:112:A:LEU:HD23	1:114:A:LYS:H	5	0.96
(1,1812)	1:112:A:LEU:HD21	1:114:A:LYS:H	19	0.96
(1,1812)	1:112:A:LEU:HD22	1:114:A:LYS:H	19	0.96
(1,1812)	1:112:A:LEU:HD23	1:114:A:LYS:H	19	0.96
(1,1728)	1:7:A:LEU:HD11	1:8:A:PRO:HD3	9	0.96
(1,1728)	1:7:A:LEU:HD12	1:8:A:PRO:HD3	9	0.96
(1,1728)	1:7:A:LEU:HD13	1:8:A:PRO:HD3	9	0.96
(1,1728)	1:7:A:LEU:HD11	1:8:A:PRO:HD3	13	0.96
(1,1728)	1:7:A:LEU:HD12	1:8:A:PRO:HD3	13	0.96
(1,1728)	1:7:A:LEU:HD13	1:8:A:PRO:HD3	13	0.96
(1,1512)	1:56:A:PRO:HB2	1:81:A:MET:HA	3	0.96
(1,1512)	1:56:A:PRO:HB2	1:81:A:MET:HA	6	0.96
(1,992)	1:15:A:VAL:HG21	1:18:A:ARG:HA	15	0.96
(1,992)	1:15:A:VAL:HG22	1:18:A:ARG:HA	15	0.96
(1,992)	1:15:A:VAL:HG23	1:18:A:ARG:HA	15	0.96
(1,986)	1:42:A:LEU:HA	1:96:A:LEU:HD21	11	0.96
(1,986)	1:42:A:LEU:HA	1:96:A:LEU:HD22	11	0.96
(1,986)	1:42:A:LEU:HA	1:96:A:LEU:HD23	11	0.96
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG11	1	0.96
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG12	1	0.96
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG13	1	0.96
(1,883)	1:76:A:GLU:HA	1:112:A:LEU:HD21	5	0.96
(1,883)	1:76:A:GLU:HA	1:112:A:LEU:HD22	5	0.96
(1,883)	1:76:A:GLU:HA	1:112:A:LEU:HD23	5	0.96
(1,847)	1:42:A:LEU:HD21	1:43:A:VAL:H	15	0.96
(1,847)	1:42:A:LEU:HD22	1:43:A:VAL:H	15	0.96
(1,847)	1:42:A:LEU:HD23	1:43:A:VAL:H	15	0.96
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD21	18	0.96
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD22	18	0.96
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD23	18	0.96
(1,437)	1:42:A:LEU:HD11	1:108:A:ARG:HB3	1	0.96
(1,437)	1:42:A:LEU:HD12	1:108:A:ARG:HB3	1	0.96
(1,437)	1:42:A:LEU:HD13	1:108:A:ARG:HB3	1	0.96
(1,205)	1:42:A:LEU:HD11	1:44:A:GLU:HG2	4	0.96
(1,205)	1:42:A:LEU:HD12	1:44:A:GLU:HG2	4	0.96
(1,205)	1:42:A:LEU:HD13	1:44:A:GLU:HG2	4	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,204)	1:43:A:VAL:HA	1:44:A:GLU:HG2	7	0.96
(1,142)	1:59:A:PHE:HB2	1:60:A:ILE:HG12	10	0.96
(1,135)	1:42:A:LEU:HD11	1:108:A:ARG:HD3	3	0.96
(1,135)	1:42:A:LEU:HD12	1:108:A:ARG:HD3	3	0.96
(1,135)	1:42:A:LEU:HD13	1:108:A:ARG:HD3	3	0.96
(1,35)	1:21:A:GLY:HA2	1:26:A:GLU:HG3	13	0.96
(1,2414)	1:59:A:PHE:HB2	1:94:A:GLY:H	19	0.95
(1,2257)	1:20:A:PHE:HB3	1:28:A:LEU:H	13	0.95
(1,2257)	1:20:A:PHE:HB3	1:28:A:LEU:H	19	0.95
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG11	4	0.95
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG12	4	0.95
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG13	4	0.95
(1,1782)	1:5:A:LEU:H	1:112:A:LEU:HB3	3	0.95
(1,1512)	1:56:A:PRO:HB2	1:81:A:MET:HA	8	0.95
(1,1186)	1:72:A:HIS:H	1:74:A:VAL:HG11	17	0.95
(1,1186)	1:72:A:HIS:H	1:74:A:VAL:HG12	17	0.95
(1,1186)	1:72:A:HIS:H	1:74:A:VAL:HG13	17	0.95
(1,1123)	1:24:A:VAL:HG11	1:81:A:MET:HB2	7	0.95
(1,1123)	1:24:A:VAL:HG12	1:81:A:MET:HB2	7	0.95
(1,1123)	1:24:A:VAL:HG13	1:81:A:MET:HB2	7	0.95
(1,1123)	1:24:A:VAL:HG11	1:81:A:MET:HB2	9	0.95
(1,1123)	1:24:A:VAL:HG12	1:81:A:MET:HB2	9	0.95
(1,1123)	1:24:A:VAL:HG13	1:81:A:MET:HB2	9	0.95
(1,1123)	1:24:A:VAL:HG11	1:81:A:MET:HB2	15	0.95
(1,1123)	1:24:A:VAL:HG12	1:81:A:MET:HB2	15	0.95
(1,1123)	1:24:A:VAL:HG13	1:81:A:MET:HB2	15	0.95
(1,1123)	1:24:A:VAL:HG11	1:81:A:MET:HB2	18	0.95
(1,1123)	1:24:A:VAL:HG12	1:81:A:MET:HB2	18	0.95
(1,1123)	1:24:A:VAL:HG13	1:81:A:MET:HB2	18	0.95
(1,1034)	1:8:A:PRO:HB3	1:104:A:PRO:HA	13	0.95
(1,1027)	1:15:A:VAL:HG21	1:18:A:ARG:HG2	4	0.95
(1,1027)	1:15:A:VAL:HG22	1:18:A:ARG:HG2	4	0.95
(1,1027)	1:15:A:VAL:HG23	1:18:A:ARG:HG2	4	0.95
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG11	7	0.95
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG12	7	0.95
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG13	7	0.95
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG11	17	0.95
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG12	17	0.95
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG13	17	0.95
(1,903)	1:74:A:VAL:HG11	1:111:A:LEU:HD11	13	0.95
(1,903)	1:74:A:VAL:HG11	1:111:A:LEU:HD12	13	0.95
(1,903)	1:74:A:VAL:HG11	1:111:A:LEU:HD13	13	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,903)	1:74:A:VAL:HG12	1:111:A:LEU:HD11	13	0.95
(1,903)	1:74:A:VAL:HG12	1:111:A:LEU:HD12	13	0.95
(1,903)	1:74:A:VAL:HG12	1:111:A:LEU:HD13	13	0.95
(1,903)	1:74:A:VAL:HG13	1:111:A:LEU:HD11	13	0.95
(1,903)	1:74:A:VAL:HG13	1:111:A:LEU:HD12	13	0.95
(1,903)	1:74:A:VAL:HG13	1:111:A:LEU:HD13	13	0.95
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD21	3	0.95
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD22	3	0.95
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD23	3	0.95
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD21	20	0.95
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD22	20	0.95
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD23	20	0.95
(1,826)	1:45:A:LEU:HD11	1:50:A:LEU:HD21	6	0.95
(1,826)	1:45:A:LEU:HD11	1:50:A:LEU:HD22	6	0.95
(1,826)	1:45:A:LEU:HD11	1:50:A:LEU:HD23	6	0.95
(1,826)	1:45:A:LEU:HD12	1:50:A:LEU:HD21	6	0.95
(1,826)	1:45:A:LEU:HD12	1:50:A:LEU:HD22	6	0.95
(1,826)	1:45:A:LEU:HD12	1:50:A:LEU:HD23	6	0.95
(1,826)	1:45:A:LEU:HD13	1:50:A:LEU:HD21	6	0.95
(1,826)	1:45:A:LEU:HD13	1:50:A:LEU:HD22	6	0.95
(1,826)	1:45:A:LEU:HD13	1:50:A:LEU:HD23	6	0.95
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG11	5	0.95
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG12	5	0.95
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG13	5	0.95
(1,605)	1:39:A:THR:HB	1:99:A:HIS:HB2	15	0.95
(1,601)	1:55:A:GLN:HB2	1:57:A:TYR:H	8	0.95
(1,552)	1:17:A:VAL:HG11	1:18:A:ARG:HG2	11	0.95
(1,552)	1:17:A:VAL:HG12	1:18:A:ARG:HG2	11	0.95
(1,552)	1:17:A:VAL:HG13	1:18:A:ARG:HG2	11	0.95
(1,466)	1:72:A:HIS:HB2	1:73:A:LYS:HG2	14	0.95
(1,466)	1:72:A:HIS:HB3	1:73:A:LYS:HG2	14	0.95
(1,304)	1:56:A:PRO:HB3	1:79:A:ALA:HA	2	0.95
(1,2414)	1:59:A:PHE:HB2	1:94:A:GLY:H	10	0.94
(1,2383)	1:35:A:LEU:HD11	1:38:A:GLY:H	4	0.94
(1,2383)	1:35:A:LEU:HD12	1:38:A:GLY:H	4	0.94
(1,2383)	1:35:A:LEU:HD13	1:38:A:GLY:H	4	0.94
(1,2361)	1:4:A:GLN:HE21	1:109:A:ASN:HD22	5	0.94
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG11	14	0.94
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG12	14	0.94
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG13	14	0.94
(1,1942)	1:7:A:LEU:HD11	1:40:A:CYS:H	15	0.94
(1,1942)	1:7:A:LEU:HD12	1:40:A:CYS:H	15	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1942)	1:7:A:LEU:HD13	1:40:A:CYS:H	15	0.94
(1,1782)	1:5:A:LEU:H	1:112:A:LEU:HB3	16	0.94
(1,1728)	1:7:A:LEU:HD11	1:8:A:PRO:HD3	3	0.94
(1,1728)	1:7:A:LEU:HD12	1:8:A:PRO:HD3	3	0.94
(1,1728)	1:7:A:LEU:HD13	1:8:A:PRO:HD3	3	0.94
(1,1621)	1:63:A:SER:HB2	1:64:A:ASP:HA	3	0.94
(1,1621)	1:63:A:SER:HB2	1:64:A:ASP:HA	11	0.94
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD21	12	0.94
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD22	12	0.94
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD23	12	0.94
(1,1151)	1:10:A:LEU:HD21	1:41:A:GLY:HA2	14	0.94
(1,1151)	1:10:A:LEU:HD22	1:41:A:GLY:HA2	14	0.94
(1,1151)	1:10:A:LEU:HD23	1:41:A:GLY:HA2	14	0.94
(1,1034)	1:8:A:PRO:HB3	1:104:A:PRO:HA	12	0.94
(1,1008)	1:58:A:VAL:HA	1:59:A:PHE:HB3	2	0.94
(1,1008)	1:58:A:VAL:HA	1:59:A:PHE:HB3	10	0.94
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG11	1	0.94
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG12	1	0.94
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG13	1	0.94
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG11	3	0.94
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG12	3	0.94
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG13	3	0.94
(1,844)	1:35:A:LEU:HD11	1:40:A:CYS:HB2	13	0.94
(1,844)	1:35:A:LEU:HD12	1:40:A:CYS:HB2	13	0.94
(1,844)	1:35:A:LEU:HD13	1:40:A:CYS:HB2	13	0.94
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD21	10	0.94
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD22	10	0.94
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD23	10	0.94
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD21	11	0.94
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD22	11	0.94
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD23	11	0.94
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD21	15	0.94
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD22	15	0.94
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD23	15	0.94
(1,678)	1:45:A:LEU:HG	1:50:A:LEU:HD21	6	0.94
(1,678)	1:45:A:LEU:HG	1:50:A:LEU:HD22	6	0.94
(1,678)	1:45:A:LEU:HG	1:50:A:LEU:HD23	6	0.94
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG11	2	0.94
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG12	2	0.94
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG13	2	0.94
(1,605)	1:39:A:THR:HB	1:99:A:HIS:HB2	11	0.94
(1,605)	1:39:A:THR:HB	1:99:A:HIS:HB2	20	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,601)	1:55:A:GLN:HB2	1:57:A:TYR:H	11	0.94
(1,601)	1:55:A:GLN:HB2	1:57:A:TYR:H	14	0.94
(1,558)	1:36:A:LYS:H	1:36:A:LYS:HD3	7	0.94
(1,464)	1:51:A:PRO:HB3	1:52:A:GLN:HG2	3	0.94
(1,435)	1:42:A:LEU:HD11	1:108:A:ARG:HB2	6	0.94
(1,435)	1:42:A:LEU:HD12	1:108:A:ARG:HB2	6	0.94
(1,435)	1:42:A:LEU:HD13	1:108:A:ARG:HB2	6	0.94
(1,304)	1:56:A:PRO:HB3	1:79:A:ALA:HA	14	0.94
(1,225)	1:100:A:VAL:HG11	1:102:A:GLU:HG3	9	0.94
(1,225)	1:100:A:VAL:HG12	1:102:A:GLU:HG3	9	0.94
(1,225)	1:100:A:VAL:HG13	1:102:A:GLU:HG3	9	0.94
(1,2257)	1:20:A:PHE:HB3	1:28:A:LEU:H	5	0.93
(1,2235)	1:20:A:PHE:H	1:30:A:GLU:HB3	11	0.93
(1,1123)	1:24:A:VAL:HG11	1:81:A:MET:HB2	19	0.93
(1,1123)	1:24:A:VAL:HG12	1:81:A:MET:HB2	19	0.93
(1,1123)	1:24:A:VAL:HG13	1:81:A:MET:HB2	19	0.93
(1,1034)	1:8:A:PRO:HB3	1:104:A:PRO:HA	1	0.93
(1,1034)	1:8:A:PRO:HB3	1:104:A:PRO:HA	7	0.93
(1,1027)	1:15:A:VAL:HG21	1:18:A:ARG:HG2	18	0.93
(1,1027)	1:15:A:VAL:HG22	1:18:A:ARG:HG2	18	0.93
(1,1027)	1:15:A:VAL:HG23	1:18:A:ARG:HG2	18	0.93
(1,1008)	1:58:A:VAL:HA	1:59:A:PHE:HB3	18	0.93
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG11	16	0.93
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG12	16	0.93
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG13	16	0.93
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD21	8	0.93
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD22	8	0.93
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD23	8	0.93
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD21	2	0.93
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD22	2	0.93
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD23	2	0.93
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD21	12	0.93
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD22	12	0.93
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD23	12	0.93
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD21	16	0.93
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD22	16	0.93
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD23	16	0.93
(1,770)	1:75:A:VAL:HA	1:93:A:LEU:HD11	9	0.93
(1,770)	1:75:A:VAL:HA	1:93:A:LEU:HD12	9	0.93
(1,770)	1:75:A:VAL:HA	1:93:A:LEU:HD13	9	0.93
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG11	18	0.93
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG12	18	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG13	18	0.93
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG11	19	0.93
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG12	19	0.93
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG13	19	0.93
(1,568)	1:10:A:LEU:HA	1:11:A:GLN:HB3	18	0.93
(1,494)	1:7:A:LEU:HD11	1:40:A:CYS:HB2	11	0.93
(1,494)	1:7:A:LEU:HD12	1:40:A:CYS:HB2	11	0.93
(1,494)	1:7:A:LEU:HD13	1:40:A:CYS:HB2	11	0.93
(1,464)	1:51:A:PRO:HB3	1:52:A:GLN:HG2	15	0.93
(1,437)	1:42:A:LEU:HD11	1:108:A:ARG:HB3	15	0.93
(1,437)	1:42:A:LEU:HD12	1:108:A:ARG:HB3	15	0.93
(1,437)	1:42:A:LEU:HD13	1:108:A:ARG:HB3	15	0.93
(1,296)	1:63:A:SER:HB3	1:76:A:GLU:HG2	18	0.93
(1,296)	1:63:A:SER:HB3	1:76:A:GLU:HG3	18	0.93
(1,142)	1:59:A:PHE:HB2	1:60:A:ILE:HG12	16	0.93
(1,139)	1:63:A:SER:HB2	1:66:A:LEU:HB2	10	0.93
(1,139)	1:63:A:SER:HB2	1:66:A:LEU:HB2	20	0.93
(1,13)	1:35:A:LEU:HD11	1:38:A:GLY:HA2	3	0.93
(1,13)	1:35:A:LEU:HD11	1:38:A:GLY:HA3	3	0.93
(1,13)	1:35:A:LEU:HD12	1:38:A:GLY:HA2	3	0.93
(1,13)	1:35:A:LEU:HD12	1:38:A:GLY:HA3	3	0.93
(1,13)	1:35:A:LEU:HD13	1:38:A:GLY:HA2	3	0.93
(1,13)	1:35:A:LEU:HD13	1:38:A:GLY:HA3	3	0.93
(1,2414)	1:59:A:PHE:HB2	1:94:A:GLY:H	8	0.92
(1,2414)	1:59:A:PHE:HB2	1:94:A:GLY:H	13	0.92
(1,2352)	1:4:A:GLN:HE22	1:111:A:LEU:HD11	2	0.92
(1,2352)	1:4:A:GLN:HE22	1:111:A:LEU:HD12	2	0.92
(1,2352)	1:4:A:GLN:HE22	1:111:A:LEU:HD13	2	0.92
(1,2257)	1:20:A:PHE:HB3	1:28:A:LEU:H	11	0.92
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG11	7	0.92
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG12	7	0.92
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG13	7	0.92
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG11	16	0.92
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG12	16	0.92
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG13	16	0.92
(1,1978)	1:50:A:LEU:HD21	1:53:A:LEU:H	6	0.92
(1,1978)	1:50:A:LEU:HD22	1:53:A:LEU:H	6	0.92
(1,1978)	1:50:A:LEU:HD23	1:53:A:LEU:H	6	0.92
(1,1728)	1:7:A:LEU:HD11	1:8:A:PRO:HD3	7	0.92
(1,1728)	1:7:A:LEU:HD12	1:8:A:PRO:HD3	7	0.92
(1,1728)	1:7:A:LEU:HD13	1:8:A:PRO:HD3	7	0.92
(1,1728)	1:7:A:LEU:HD11	1:8:A:PRO:HD3	14	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1728)	1:7:A:LEU:HD12	1:8:A:PRO:HD3	14	0.92
(1,1728)	1:7:A:LEU:HD13	1:8:A:PRO:HD3	14	0.92
(1,1557)	1:73:A:LYS:HA	1:74:A:VAL:HG11	3	0.92
(1,1557)	1:73:A:LYS:HA	1:74:A:VAL:HG12	3	0.92
(1,1557)	1:73:A:LYS:HA	1:74:A:VAL:HG13	3	0.92
(1,1557)	1:73:A:LYS:HA	1:74:A:VAL:HG11	19	0.92
(1,1557)	1:73:A:LYS:HA	1:74:A:VAL:HG12	19	0.92
(1,1557)	1:73:A:LYS:HA	1:74:A:VAL:HG13	19	0.92
(1,1123)	1:24:A:VAL:HG11	1:81:A:MET:HB2	3	0.92
(1,1123)	1:24:A:VAL:HG12	1:81:A:MET:HB2	3	0.92
(1,1123)	1:24:A:VAL:HG13	1:81:A:MET:HB2	3	0.92
(1,1074)	1:53:A:LEU:HD11	1:97:A:VAL:HG21	18	0.92
(1,1074)	1:53:A:LEU:HD11	1:97:A:VAL:HG22	18	0.92
(1,1074)	1:53:A:LEU:HD11	1:97:A:VAL:HG23	18	0.92
(1,1074)	1:53:A:LEU:HD12	1:97:A:VAL:HG21	18	0.92
(1,1074)	1:53:A:LEU:HD12	1:97:A:VAL:HG22	18	0.92
(1,1074)	1:53:A:LEU:HD12	1:97:A:VAL:HG23	18	0.92
(1,1074)	1:53:A:LEU:HD13	1:97:A:VAL:HG21	18	0.92
(1,1074)	1:53:A:LEU:HD13	1:97:A:VAL:HG22	18	0.92
(1,1074)	1:53:A:LEU:HD13	1:97:A:VAL:HG23	18	0.92
(1,1026)	1:15:A:VAL:HG21	1:18:A:ARG:HD3	5	0.92
(1,1026)	1:15:A:VAL:HG22	1:18:A:ARG:HD3	5	0.92
(1,1026)	1:15:A:VAL:HG23	1:18:A:ARG:HD3	5	0.92
(1,1008)	1:58:A:VAL:HA	1:59:A:PHE:HB3	8	0.92
(1,916)	1:24:A:VAL:HG11	1:56:A:PRO:HG3	16	0.92
(1,916)	1:24:A:VAL:HG12	1:56:A:PRO:HG3	16	0.92
(1,916)	1:24:A:VAL:HG13	1:56:A:PRO:HG3	16	0.92
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD21	7	0.92
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD22	7	0.92
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD23	7	0.92
(1,707)	1:42:A:LEU:HD11	1:108:A:ARG:HG2	10	0.92
(1,707)	1:42:A:LEU:HD12	1:108:A:ARG:HG2	10	0.92
(1,707)	1:42:A:LEU:HD13	1:108:A:ARG:HG2	10	0.92
(1,568)	1:10:A:LEU:HA	1:11:A:GLN:HB3	12	0.92
(1,497)	1:7:A:LEU:HD11	1:40:A:CYS:HB3	5	0.92
(1,497)	1:7:A:LEU:HD12	1:40:A:CYS:HB3	5	0.92
(1,497)	1:7:A:LEU:HD13	1:40:A:CYS:HB3	5	0.92
(1,103)	1:18:A:ARG:HD2	1:53:A:LEU:HD11	16	0.92
(1,103)	1:18:A:ARG:HD2	1:53:A:LEU:HD12	16	0.92
(1,103)	1:18:A:ARG:HD2	1:53:A:LEU:HD13	16	0.92
(1,13)	1:35:A:LEU:HD11	1:38:A:GLY:HA2	6	0.92
(1,13)	1:35:A:LEU:HD11	1:38:A:GLY:HA3	6	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13)	1:35:A:LEU:HD12	1:38:A:GLY:HA2	6	0.92
(1,13)	1:35:A:LEU:HD12	1:38:A:GLY:HA3	6	0.92
(1,13)	1:35:A:LEU:HD13	1:38:A:GLY:HA2	6	0.92
(1,13)	1:35:A:LEU:HD13	1:38:A:GLY:HA3	6	0.92
(1,2463)	1:20:A:PHE:HD1	1:58:A:VAL:HG11	7	0.91
(1,2463)	1:20:A:PHE:HD1	1:58:A:VAL:HG12	7	0.91
(1,2463)	1:20:A:PHE:HD1	1:58:A:VAL:HG13	7	0.91
(1,2463)	1:20:A:PHE:HD2	1:58:A:VAL:HG11	7	0.91
(1,2463)	1:20:A:PHE:HD2	1:58:A:VAL:HG12	7	0.91
(1,2463)	1:20:A:PHE:HD2	1:58:A:VAL:HG13	7	0.91
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD1	6	0.91
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD2	6	0.91
(1,2373)	1:55:A:GLN:HE22	1:82:A:ASP:HB2	7	0.91
(1,2278)	1:41:A:GLY:H	1:96:A:LEU:HD21	1	0.91
(1,2278)	1:41:A:GLY:H	1:96:A:LEU:HD22	1	0.91
(1,2278)	1:41:A:GLY:H	1:96:A:LEU:HD23	1	0.91
(1,2188)	1:34:A:HIS:H	1:37:A:ASN:HB3	12	0.91
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG11	11	0.91
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG12	11	0.91
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG13	11	0.91
(1,1728)	1:7:A:LEU:HD11	1:8:A:PRO:HD3	15	0.91
(1,1728)	1:7:A:LEU:HD12	1:8:A:PRO:HD3	15	0.91
(1,1728)	1:7:A:LEU:HD13	1:8:A:PRO:HD3	15	0.91
(1,1710)	1:7:A:LEU:HA	1:41:A:GLY:HA3	12	0.91
(1,1345)	1:100:A:VAL:HG11	1:102:A:GLU:HA	13	0.91
(1,1345)	1:100:A:VAL:HG12	1:102:A:GLU:HA	13	0.91
(1,1345)	1:100:A:VAL:HG13	1:102:A:GLU:HA	13	0.91
(1,1241)	1:72:A:HIS:HB2	1:74:A:VAL:HG11	1	0.91
(1,1241)	1:72:A:HIS:HB2	1:74:A:VAL:HG12	1	0.91
(1,1241)	1:72:A:HIS:HB2	1:74:A:VAL:HG13	1	0.91
(1,1241)	1:72:A:HIS:HB3	1:74:A:VAL:HG11	1	0.91
(1,1241)	1:72:A:HIS:HB3	1:74:A:VAL:HG12	1	0.91
(1,1241)	1:72:A:HIS:HB3	1:74:A:VAL:HG13	1	0.91
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG11	1	0.91
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG12	1	0.91
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG13	1	0.91
(1,983)	1:96:A:LEU:HD21	1:97:A:VAL:H	17	0.91
(1,983)	1:96:A:LEU:HD22	1:97:A:VAL:H	17	0.91
(1,983)	1:96:A:LEU:HD23	1:97:A:VAL:H	17	0.91
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG11	12	0.91
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG12	12	0.91
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG13	12	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG11	14	0.91
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG12	14	0.91
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG13	14	0.91
(1,916)	1:24:A:VAL:HG11	1:56:A:PRO:HG3	7	0.91
(1,916)	1:24:A:VAL:HG12	1:56:A:PRO:HG3	7	0.91
(1,916)	1:24:A:VAL:HG13	1:56:A:PRO:HG3	7	0.91
(1,888)	1:7:A:LEU:HD11	1:40:A:CYS:HA	17	0.91
(1,888)	1:7:A:LEU:HD12	1:40:A:CYS:HA	17	0.91
(1,888)	1:7:A:LEU:HD13	1:40:A:CYS:HA	17	0.91
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD11	1	0.91
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD12	1	0.91
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD13	1	0.91
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD21	4	0.91
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD22	4	0.91
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD23	4	0.91
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD21	8	0.91
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD22	8	0.91
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD23	8	0.91
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD21	9	0.91
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD22	9	0.91
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD23	9	0.91
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD21	14	0.91
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD22	14	0.91
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD23	14	0.91
(1,740)	1:12:A:VAL:HG11	1:53:A:LEU:HD21	2	0.91
(1,740)	1:12:A:VAL:HG11	1:53:A:LEU:HD22	2	0.91
(1,740)	1:12:A:VAL:HG11	1:53:A:LEU:HD23	2	0.91
(1,740)	1:12:A:VAL:HG12	1:53:A:LEU:HD21	2	0.91
(1,740)	1:12:A:VAL:HG12	1:53:A:LEU:HD22	2	0.91
(1,740)	1:12:A:VAL:HG12	1:53:A:LEU:HD23	2	0.91
(1,740)	1:12:A:VAL:HG13	1:53:A:LEU:HD21	2	0.91
(1,740)	1:12:A:VAL:HG13	1:53:A:LEU:HD22	2	0.91
(1,740)	1:12:A:VAL:HG13	1:53:A:LEU:HD23	2	0.91
(1,558)	1:36:A:LYS:H	1:36:A:LYS:HD3	4	0.91
(1,558)	1:36:A:LYS:H	1:36:A:LYS:HD3	12	0.91
(1,558)	1:36:A:LYS:H	1:36:A:LYS:HD3	15	0.91
(1,304)	1:56:A:PRO:HB3	1:79:A:ALA:HA	3	0.91
(1,304)	1:56:A:PRO:HB3	1:79:A:ALA:HA	4	0.91
(1,304)	1:56:A:PRO:HB3	1:79:A:ALA:HA	10	0.91
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG11	4	0.91
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG12	4	0.91
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG13	4	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,142)	1:59:A:PHE:HB2	1:60:A:ILE:HG12	4	0.91
(1,82)	1:7:A:LEU:HD11	1:41:A:GLY:HA3	16	0.91
(1,82)	1:7:A:LEU:HD12	1:41:A:GLY:HA3	16	0.91
(1,82)	1:7:A:LEU:HD13	1:41:A:GLY:HA3	16	0.91
(1,52)	1:42:A:LEU:HD21	1:94:A:GLY:HA2	2	0.91
(1,52)	1:42:A:LEU:HD22	1:94:A:GLY:HA2	2	0.91
(1,52)	1:42:A:LEU:HD23	1:94:A:GLY:HA2	2	0.91
(1,13)	1:35:A:LEU:HD11	1:38:A:GLY:HA2	17	0.91
(1,13)	1:35:A:LEU:HD11	1:38:A:GLY:HA3	17	0.91
(1,13)	1:35:A:LEU:HD12	1:38:A:GLY:HA2	17	0.91
(1,13)	1:35:A:LEU:HD12	1:38:A:GLY:HA3	17	0.91
(1,13)	1:35:A:LEU:HD13	1:38:A:GLY:HA2	17	0.91
(1,13)	1:35:A:LEU:HD13	1:38:A:GLY:HA3	17	0.91
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD1	3	0.9
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD2	3	0.9
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD1	5	0.9
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD2	5	0.9
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD1	9	0.9
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD2	9	0.9
(1,2243)	1:63:A:SER:HB3	1:76:A:GLU:H	7	0.9
(1,1642)	1:2:A:HIS:HB2	1:112:A:LEU:HA	20	0.9
(1,1168)	1:74:A:VAL:HG21	1:113:A:ARG:HA	8	0.9
(1,1168)	1:74:A:VAL:HG22	1:113:A:ARG:HA	8	0.9
(1,1168)	1:74:A:VAL:HG23	1:113:A:ARG:HA	8	0.9
(1,1093)	1:58:A:VAL:HG21	1:78:A:VAL:H	12	0.9
(1,1093)	1:58:A:VAL:HG22	1:78:A:VAL:H	12	0.9
(1,1093)	1:58:A:VAL:HG23	1:78:A:VAL:H	12	0.9
(1,1093)	1:58:A:VAL:HG21	1:78:A:VAL:H	13	0.9
(1,1093)	1:58:A:VAL:HG22	1:78:A:VAL:H	13	0.9
(1,1093)	1:58:A:VAL:HG23	1:78:A:VAL:H	13	0.9
(1,1088)	1:17:A:VAL:HG11	1:18:A:ARG:H	2	0.9
(1,1088)	1:17:A:VAL:HG12	1:18:A:ARG:H	2	0.9
(1,1088)	1:17:A:VAL:HG13	1:18:A:ARG:H	2	0.9
(1,1074)	1:53:A:LEU:HD11	1:97:A:VAL:HG21	1	0.9
(1,1074)	1:53:A:LEU:HD11	1:97:A:VAL:HG22	1	0.9
(1,1074)	1:53:A:LEU:HD11	1:97:A:VAL:HG23	1	0.9
(1,1074)	1:53:A:LEU:HD12	1:97:A:VAL:HG21	1	0.9
(1,1074)	1:53:A:LEU:HD12	1:97:A:VAL:HG22	1	0.9
(1,1074)	1:53:A:LEU:HD12	1:97:A:VAL:HG23	1	0.9
(1,1074)	1:53:A:LEU:HD13	1:97:A:VAL:HG21	1	0.9
(1,1074)	1:53:A:LEU:HD13	1:97:A:VAL:HG22	1	0.9
(1,1074)	1:53:A:LEU:HD13	1:97:A:VAL:HG23	1	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1008)	1:58:A:VAL:HA	1:59:A:PHE:HB3	6	0.9
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG11	17	0.9
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG12	17	0.9
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG13	17	0.9
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG11	1	0.9
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG12	1	0.9
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG13	1	0.9
(1,964)	1:16:A:LEU:HA	1:16:A:LEU:HD21	11	0.9
(1,964)	1:16:A:LEU:HA	1:16:A:LEU:HD22	11	0.9
(1,964)	1:16:A:LEU:HA	1:16:A:LEU:HD23	11	0.9
(1,903)	1:74:A:VAL:HG11	1:111:A:LEU:HD11	3	0.9
(1,903)	1:74:A:VAL:HG11	1:111:A:LEU:HD12	3	0.9
(1,903)	1:74:A:VAL:HG11	1:111:A:LEU:HD13	3	0.9
(1,903)	1:74:A:VAL:HG12	1:111:A:LEU:HD11	3	0.9
(1,903)	1:74:A:VAL:HG12	1:111:A:LEU:HD12	3	0.9
(1,903)	1:74:A:VAL:HG12	1:111:A:LEU:HD13	3	0.9
(1,903)	1:74:A:VAL:HG13	1:111:A:LEU:HD11	3	0.9
(1,903)	1:74:A:VAL:HG13	1:111:A:LEU:HD12	3	0.9
(1,903)	1:74:A:VAL:HG13	1:111:A:LEU:HD13	3	0.9
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD21	1	0.9
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD22	1	0.9
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD23	1	0.9
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD21	5	0.9
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD22	5	0.9
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD23	5	0.9
(1,803)	1:63:A:SER:HB2	1:74:A:VAL:HG21	20	0.9
(1,803)	1:63:A:SER:HB2	1:74:A:VAL:HG22	20	0.9
(1,803)	1:63:A:SER:HB2	1:74:A:VAL:HG23	20	0.9
(1,772)	1:75:A:VAL:HB	1:93:A:LEU:HD11	14	0.9
(1,772)	1:75:A:VAL:HB	1:93:A:LEU:HD12	14	0.9
(1,772)	1:75:A:VAL:HB	1:93:A:LEU:HD13	14	0.9
(1,733)	1:7:A:LEU:HD21	1:42:A:LEU:HB3	5	0.9
(1,733)	1:7:A:LEU:HD22	1:42:A:LEU:HB3	5	0.9
(1,733)	1:7:A:LEU:HD23	1:42:A:LEU:HB3	5	0.9
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG11	16	0.9
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG12	16	0.9
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG13	16	0.9
(1,605)	1:39:A:THR:HB	1:99:A:HIS:HB2	19	0.9
(1,552)	1:17:A:VAL:HG11	1:18:A:ARG:HG2	14	0.9
(1,552)	1:17:A:VAL:HG12	1:18:A:ARG:HG2	14	0.9
(1,552)	1:17:A:VAL:HG13	1:18:A:ARG:HG2	14	0.9
(1,464)	1:51:A:PRO:HB3	1:52:A:GLN:HG2	12	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,435)	1:42:A:LEU:HD11	1:108:A:ARG:HB2	20	0.9
(1,435)	1:42:A:LEU:HD12	1:108:A:ARG:HB2	20	0.9
(1,435)	1:42:A:LEU:HD13	1:108:A:ARG:HB2	20	0.9
(1,209)	1:42:A:LEU:HD11	1:44:A:GLU:HG3	10	0.9
(1,209)	1:42:A:LEU:HD12	1:44:A:GLU:HG3	10	0.9
(1,209)	1:42:A:LEU:HD13	1:44:A:GLU:HG3	10	0.9
(1,108)	1:18:A:ARG:HD3	1:53:A:LEU:HD11	1	0.9
(1,108)	1:18:A:ARG:HD3	1:53:A:LEU:HD12	1	0.9
(1,108)	1:18:A:ARG:HD3	1:53:A:LEU:HD13	1	0.9
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD1	7	0.89
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD2	7	0.89
(1,1728)	1:7:A:LEU:HD11	1:8:A:PRO:HD3	18	0.89
(1,1728)	1:7:A:LEU:HD12	1:8:A:PRO:HD3	18	0.89
(1,1728)	1:7:A:LEU:HD13	1:8:A:PRO:HD3	18	0.89
(1,1710)	1:7:A:LEU:HA	1:41:A:GLY:HA3	1	0.89
(1,1647)	1:42:A:LEU:HD21	1:96:A:LEU:HA	3	0.89
(1,1647)	1:42:A:LEU:HD22	1:96:A:LEU:HA	3	0.89
(1,1647)	1:42:A:LEU:HD23	1:96:A:LEU:HA	3	0.89
(1,1557)	1:73:A:LYS:HA	1:74:A:VAL:HG11	13	0.89
(1,1557)	1:73:A:LYS:HA	1:74:A:VAL:HG12	13	0.89
(1,1557)	1:73:A:LYS:HA	1:74:A:VAL:HG13	13	0.89
(1,1473)	1:62:A:ARG:HA	1:63:A:SER:HB3	12	0.89
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG11	6	0.89
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG12	6	0.89
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG13	6	0.89
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG11	5	0.89
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG12	5	0.89
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG13	5	0.89
(1,847)	1:42:A:LEU:HD21	1:43:A:VAL:H	5	0.89
(1,847)	1:42:A:LEU:HD22	1:43:A:VAL:H	5	0.89
(1,847)	1:42:A:LEU:HD23	1:43:A:VAL:H	5	0.89
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD21	17	0.89
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD22	17	0.89
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD23	17	0.89
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD21	18	0.89
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD22	18	0.89
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD23	18	0.89
(1,639)	1:23:A:SER:HB2	1:24:A:VAL:HG21	4	0.89
(1,639)	1:23:A:SER:HB2	1:24:A:VAL:HG22	4	0.89
(1,639)	1:23:A:SER:HB2	1:24:A:VAL:HG23	4	0.89
(1,464)	1:51:A:PRO:HB3	1:52:A:GLN:HG2	10	0.89
(1,209)	1:42:A:LEU:HD11	1:44:A:GLU:HG3	20	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,209)	1:42:A:LEU:HD12	1:44:A:GLU:HG3	20	0.89
(1,209)	1:42:A:LEU:HD13	1:44:A:GLU:HG3	20	0.89
(1,142)	1:59:A:PHE:HB2	1:60:A:ILE:HG12	3	0.89
(1,142)	1:59:A:PHE:HB2	1:60:A:ILE:HG12	14	0.89
(1,135)	1:42:A:LEU:HD11	1:108:A:ARG:HD3	6	0.89
(1,135)	1:42:A:LEU:HD12	1:108:A:ARG:HD3	6	0.89
(1,135)	1:42:A:LEU:HD13	1:108:A:ARG:HD3	6	0.89
(1,108)	1:18:A:ARG:HD3	1:53:A:LEU:HD11	18	0.89
(1,108)	1:18:A:ARG:HD3	1:53:A:LEU:HD12	18	0.89
(1,108)	1:18:A:ARG:HD3	1:53:A:LEU:HD13	18	0.89
(1,44)	1:48:A:GLY:HA3	1:51:A:PRO:HD3	19	0.89
(1,2477)	1:50:A:LEU:HD21	1:59:A:PHE:HE1	14	0.88
(1,2477)	1:50:A:LEU:HD21	1:59:A:PHE:HE2	14	0.88
(1,2477)	1:50:A:LEU:HD22	1:59:A:PHE:HE1	14	0.88
(1,2477)	1:50:A:LEU:HD22	1:59:A:PHE:HE2	14	0.88
(1,2477)	1:50:A:LEU:HD23	1:59:A:PHE:HE1	14	0.88
(1,2477)	1:50:A:LEU:HD23	1:59:A:PHE:HE2	14	0.88
(1,2383)	1:35:A:LEU:HD11	1:38:A:GLY:H	13	0.88
(1,2383)	1:35:A:LEU:HD12	1:38:A:GLY:H	13	0.88
(1,2383)	1:35:A:LEU:HD13	1:38:A:GLY:H	13	0.88
(1,1978)	1:50:A:LEU:HD21	1:53:A:LEU:H	3	0.88
(1,1978)	1:50:A:LEU:HD22	1:53:A:LEU:H	3	0.88
(1,1978)	1:50:A:LEU:HD23	1:53:A:LEU:H	3	0.88
(1,1942)	1:7:A:LEU:HD11	1:40:A:CYS:H	13	0.88
(1,1942)	1:7:A:LEU:HD12	1:40:A:CYS:H	13	0.88
(1,1942)	1:7:A:LEU:HD13	1:40:A:CYS:H	13	0.88
(1,1512)	1:56:A:PRO:HB2	1:81:A:MET:HA	14	0.88
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB1	16	0.88
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB2	16	0.88
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB3	16	0.88
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG11	13	0.88
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG12	13	0.88
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG13	13	0.88
(1,1008)	1:58:A:VAL:HA	1:59:A:PHE:HB3	19	0.88
(1,992)	1:15:A:VAL:HG21	1:18:A:ARG:HA	12	0.88
(1,992)	1:15:A:VAL:HG22	1:18:A:ARG:HA	12	0.88
(1,992)	1:15:A:VAL:HG23	1:18:A:ARG:HA	12	0.88
(1,983)	1:96:A:LEU:HD21	1:97:A:VAL:H	7	0.88
(1,983)	1:96:A:LEU:HD22	1:97:A:VAL:H	7	0.88
(1,983)	1:96:A:LEU:HD23	1:97:A:VAL:H	7	0.88
(1,890)	1:7:A:LEU:HD11	1:8:A:PRO:HD2	19	0.88
(1,890)	1:7:A:LEU:HD12	1:8:A:PRO:HD2	19	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,890)	1:7:A:LEU:HD13	1:8:A:PRO:HD2	19	0.88
(1,883)	1:76:A:GLU:HA	1:112:A:LEU:HD21	1	0.88
(1,883)	1:76:A:GLU:HA	1:112:A:LEU:HD22	1	0.88
(1,883)	1:76:A:GLU:HA	1:112:A:LEU:HD23	1	0.88
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD21	4	0.88
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD22	4	0.88
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD23	4	0.88
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD21	13	0.88
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD22	13	0.88
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD23	13	0.88
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD21	17	0.88
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD22	17	0.88
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD23	17	0.88
(1,827)	1:42:A:LEU:HD21	1:95:A:VAL:H	17	0.88
(1,827)	1:42:A:LEU:HD22	1:95:A:VAL:H	17	0.88
(1,827)	1:42:A:LEU:HD23	1:95:A:VAL:H	17	0.88
(1,801)	1:15:A:VAL:HA	1:16:A:LEU:HB2	11	0.88
(1,801)	1:15:A:VAL:HA	1:16:A:LEU:HB2	13	0.88
(1,654)	1:42:A:LEU:HG	1:96:A:LEU:HD21	12	0.88
(1,654)	1:42:A:LEU:HG	1:96:A:LEU:HD22	12	0.88
(1,654)	1:42:A:LEU:HG	1:96:A:LEU:HD23	12	0.88
(1,605)	1:39:A:THR:HB	1:99:A:HIS:HB2	17	0.88
(1,568)	1:10:A:LEU:HA	1:11:A:GLN:HB3	10	0.88
(1,568)	1:10:A:LEU:HA	1:11:A:GLN:HB3	15	0.88
(1,558)	1:36:A:LYS:H	1:36:A:LYS:HD3	10	0.88
(1,509)	1:38:A:GLY:HA2	1:40:A:CYS:HB2	12	0.88
(1,509)	1:38:A:GLY:HA3	1:40:A:CYS:HB2	12	0.88
(1,497)	1:7:A:LEU:HD11	1:40:A:CYS:HB3	4	0.88
(1,497)	1:7:A:LEU:HD12	1:40:A:CYS:HB3	4	0.88
(1,497)	1:7:A:LEU:HD13	1:40:A:CYS:HB3	4	0.88
(1,464)	1:51:A:PRO:HB3	1:52:A:GLN:HG2	19	0.88
(1,243)	1:24:A:VAL:HG21	1:25:A:GLU:HG2	1	0.88
(1,243)	1:24:A:VAL:HG22	1:25:A:GLU:HG2	1	0.88
(1,243)	1:24:A:VAL:HG23	1:25:A:GLU:HG2	1	0.88
(1,142)	1:59:A:PHE:HB2	1:60:A:ILE:HG12	12	0.88
(1,142)	1:59:A:PHE:HB2	1:60:A:ILE:HG12	15	0.88
(1,89)	1:29:A:SER:HA	1:32:A:ARG:HD3	16	0.88
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD1	13	0.87
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD2	13	0.87
(1,1241)	1:72:A:HIS:HB2	1:74:A:VAL:HG11	17	0.87
(1,1241)	1:72:A:HIS:HB2	1:74:A:VAL:HG12	17	0.87
(1,1241)	1:72:A:HIS:HB2	1:74:A:VAL:HG13	17	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1241)	1:72:A:HIS:HB3	1:74:A:VAL:HG11	17	0.87
(1,1241)	1:72:A:HIS:HB3	1:74:A:VAL:HG12	17	0.87
(1,1241)	1:72:A:HIS:HB3	1:74:A:VAL:HG13	17	0.87
(1,1074)	1:53:A:LEU:HD11	1:97:A:VAL:HG21	16	0.87
(1,1074)	1:53:A:LEU:HD11	1:97:A:VAL:HG22	16	0.87
(1,1074)	1:53:A:LEU:HD11	1:97:A:VAL:HG23	16	0.87
(1,1074)	1:53:A:LEU:HD12	1:97:A:VAL:HG21	16	0.87
(1,1074)	1:53:A:LEU:HD12	1:97:A:VAL:HG22	16	0.87
(1,1074)	1:53:A:LEU:HD12	1:97:A:VAL:HG23	16	0.87
(1,1074)	1:53:A:LEU:HD13	1:97:A:VAL:HG21	16	0.87
(1,1074)	1:53:A:LEU:HD13	1:97:A:VAL:HG22	16	0.87
(1,1074)	1:53:A:LEU:HD13	1:97:A:VAL:HG23	16	0.87
(1,1008)	1:58:A:VAL:HA	1:59:A:PHE:HB3	3	0.87
(1,1008)	1:58:A:VAL:HA	1:59:A:PHE:HB3	4	0.87
(1,1008)	1:58:A:VAL:HA	1:59:A:PHE:HB3	12	0.87
(1,847)	1:42:A:LEU:HD21	1:43:A:VAL:H	4	0.87
(1,847)	1:42:A:LEU:HD22	1:43:A:VAL:H	4	0.87
(1,847)	1:42:A:LEU:HD23	1:43:A:VAL:H	4	0.87
(1,605)	1:39:A:THR:HB	1:99:A:HIS:HB2	16	0.87
(1,568)	1:10:A:LEU:HA	1:11:A:GLN:HB3	9	0.87
(1,568)	1:10:A:LEU:HA	1:11:A:GLN:HB3	13	0.87
(1,552)	1:17:A:VAL:HG11	1:18:A:ARG:HG2	19	0.87
(1,552)	1:17:A:VAL:HG12	1:18:A:ARG:HG2	19	0.87
(1,552)	1:17:A:VAL:HG13	1:18:A:ARG:HG2	19	0.87
(1,481)	1:112:A:LEU:HD21	1:113:A:ARG:HB2	1	0.87
(1,481)	1:112:A:LEU:HD22	1:113:A:ARG:HB2	1	0.87
(1,481)	1:112:A:LEU:HD23	1:113:A:ARG:HB2	1	0.87
(1,239)	1:29:A:SER:H	1:30:A:GLU:HG3	3	0.87
(1,239)	1:29:A:SER:H	1:30:A:GLU:HG3	18	0.87
(1,142)	1:59:A:PHE:HB2	1:60:A:ILE:HG12	17	0.87
(1,142)	1:59:A:PHE:HB2	1:60:A:ILE:HG12	18	0.87
(1,44)	1:48:A:GLY:HA3	1:51:A:PRO:HD3	13	0.87
(1,43)	1:47:A:LYS:HG3	1:48:A:GLY:HA3	2	0.87
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD1	2	0.86
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD2	2	0.86
(1,2426)	1:21:A:GLY:H	1:30:A:GLU:HB3	18	0.86
(1,2385)	1:50:A:LEU:HD11	1:87:A:GLY:H	3	0.86
(1,2385)	1:50:A:LEU:HD12	1:87:A:GLY:H	3	0.86
(1,2385)	1:50:A:LEU:HD13	1:87:A:GLY:H	3	0.86
(1,2257)	1:20:A:PHE:HB3	1:28:A:LEU:H	15	0.86
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG11	7	0.86
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG12	7	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG13	7	0.86
(1,1942)	1:7:A:LEU:HD11	1:40:A:CYS:H	20	0.86
(1,1942)	1:7:A:LEU:HD12	1:40:A:CYS:H	20	0.86
(1,1942)	1:7:A:LEU:HD13	1:40:A:CYS:H	20	0.86
(1,1728)	1:7:A:LEU:HD11	1:8:A:PRO:HD3	2	0.86
(1,1728)	1:7:A:LEU:HD12	1:8:A:PRO:HD3	2	0.86
(1,1728)	1:7:A:LEU:HD13	1:8:A:PRO:HD3	2	0.86
(1,1642)	1:2:A:HIS:HB2	1:112:A:LEU:HA	13	0.86
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB1	18	0.86
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB2	18	0.86
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB3	18	0.86
(1,1180)	1:74:A:VAL:HG21	1:111:A:LEU:H	10	0.86
(1,1180)	1:74:A:VAL:HG22	1:111:A:LEU:H	10	0.86
(1,1180)	1:74:A:VAL:HG23	1:111:A:LEU:H	10	0.86
(1,1093)	1:58:A:VAL:HG21	1:78:A:VAL:H	18	0.86
(1,1093)	1:58:A:VAL:HG22	1:78:A:VAL:H	18	0.86
(1,1093)	1:58:A:VAL:HG23	1:78:A:VAL:H	18	0.86
(1,1088)	1:17:A:VAL:HG11	1:18:A:ARG:H	6	0.86
(1,1088)	1:17:A:VAL:HG12	1:18:A:ARG:H	6	0.86
(1,1088)	1:17:A:VAL:HG13	1:18:A:ARG:H	6	0.86
(1,1088)	1:17:A:VAL:HG11	1:18:A:ARG:H	16	0.86
(1,1088)	1:17:A:VAL:HG12	1:18:A:ARG:H	16	0.86
(1,1088)	1:17:A:VAL:HG13	1:18:A:ARG:H	16	0.86
(1,1034)	1:8:A:PRO:HB3	1:104:A:PRO:HA	16	0.86
(1,1008)	1:58:A:VAL:HA	1:59:A:PHE:HB3	20	0.86
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG11	9	0.86
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG12	9	0.86
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG13	9	0.86
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG11	1	0.86
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG12	1	0.86
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG13	1	0.86
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG11	10	0.86
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG12	10	0.86
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG13	10	0.86
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG11	2	0.86
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG12	2	0.86
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG13	2	0.86
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD21	6	0.86
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD22	6	0.86
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD23	6	0.86
(1,835)	1:42:A:LEU:HD21	1:60:A:ILE:HG12	15	0.86
(1,835)	1:42:A:LEU:HD22	1:60:A:ILE:HG12	15	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,835)	1:42:A:LEU:HD23	1:60:A:ILE:HG12	15	0.86
(1,733)	1:7:A:LEU:HD21	1:42:A:LEU:HB3	4	0.86
(1,733)	1:7:A:LEU:HD22	1:42:A:LEU:HB3	4	0.86
(1,733)	1:7:A:LEU:HD23	1:42:A:LEU:HB3	4	0.86
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG11	1	0.86
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG12	1	0.86
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG13	1	0.86
(1,601)	1:55:A:GLN:HB2	1:57:A:TYR:H	12	0.86
(1,601)	1:55:A:GLN:HB2	1:57:A:TYR:H	16	0.86
(1,568)	1:10:A:LEU:HA	1:11:A:GLN:HB3	1	0.86
(1,568)	1:10:A:LEU:HA	1:11:A:GLN:HB3	3	0.86
(1,494)	1:7:A:LEU:HD11	1:40:A:CYS:HB2	1	0.86
(1,494)	1:7:A:LEU:HD12	1:40:A:CYS:HB2	1	0.86
(1,494)	1:7:A:LEU:HD13	1:40:A:CYS:HB2	1	0.86
(1,464)	1:51:A:PRO:HB3	1:52:A:GLN:HG2	14	0.86
(1,200)	1:62:A:ARG:HG2	1:91:A:ILE:HB	9	0.86
(1,161)	1:11:A:GLN:HB3	1:14:A:ASP:HB3	19	0.86
(1,35)	1:21:A:GLY:HA2	1:26:A:GLU:HG3	16	0.86
(1,13)	1:35:A:LEU:HD11	1:38:A:GLY:HA2	4	0.86
(1,13)	1:35:A:LEU:HD11	1:38:A:GLY:HA3	4	0.86
(1,13)	1:35:A:LEU:HD12	1:38:A:GLY:HA2	4	0.86
(1,13)	1:35:A:LEU:HD12	1:38:A:GLY:HA3	4	0.86
(1,13)	1:35:A:LEU:HD13	1:38:A:GLY:HA2	4	0.86
(1,13)	1:35:A:LEU:HD13	1:38:A:GLY:HA3	4	0.86
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD1	18	0.85
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD2	18	0.85
(1,2426)	1:21:A:GLY:H	1:30:A:GLU:HB3	11	0.85
(1,1642)	1:2:A:HIS:HB2	1:112:A:LEU:HA	17	0.85
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB1	15	0.85
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB2	15	0.85
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB3	15	0.85
(1,1392)	1:65:A:ALA:HB1	1:66:A:LEU:HD21	12	0.85
(1,1392)	1:65:A:ALA:HB1	1:66:A:LEU:HD22	12	0.85
(1,1392)	1:65:A:ALA:HB1	1:66:A:LEU:HD23	12	0.85
(1,1392)	1:65:A:ALA:HB2	1:66:A:LEU:HD21	12	0.85
(1,1392)	1:65:A:ALA:HB2	1:66:A:LEU:HD22	12	0.85
(1,1392)	1:65:A:ALA:HB2	1:66:A:LEU:HD23	12	0.85
(1,1392)	1:65:A:ALA:HB3	1:66:A:LEU:HD21	12	0.85
(1,1392)	1:65:A:ALA:HB3	1:66:A:LEU:HD22	12	0.85
(1,1392)	1:65:A:ALA:HB3	1:66:A:LEU:HD23	12	0.85
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG11	3	0.85
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG12	3	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG13	3	0.85
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG11	3	0.85
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG12	3	0.85
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG13	3	0.85
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG11	3	0.85
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG12	3	0.85
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG13	3	0.85
(1,1186)	1:72:A:HIS:H	1:74:A:VAL:HG11	8	0.85
(1,1186)	1:72:A:HIS:H	1:74:A:VAL:HG12	8	0.85
(1,1186)	1:72:A:HIS:H	1:74:A:VAL:HG13	8	0.85
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD21	8	0.85
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD22	8	0.85
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD23	8	0.85
(1,1034)	1:8:A:PRO:HB3	1:104:A:PRO:HA	8	0.85
(1,1027)	1:15:A:VAL:HG21	1:18:A:ARG:HG2	1	0.85
(1,1027)	1:15:A:VAL:HG22	1:18:A:ARG:HG2	1	0.85
(1,1027)	1:15:A:VAL:HG23	1:18:A:ARG:HG2	1	0.85
(1,991)	1:15:A:VAL:HG21	1:18:A:ARG:HE	17	0.85
(1,991)	1:15:A:VAL:HG22	1:18:A:ARG:HE	17	0.85
(1,991)	1:15:A:VAL:HG23	1:18:A:ARG:HE	17	0.85
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG11	2	0.85
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG12	2	0.85
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG13	2	0.85
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG11	5	0.85
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG12	5	0.85
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG13	5	0.85
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG11	7	0.85
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG12	7	0.85
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG13	7	0.85
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG11	9	0.85
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG12	9	0.85
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG13	9	0.85
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG11	14	0.85
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG12	14	0.85
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG13	14	0.85
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG11	15	0.85
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG12	15	0.85
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG13	15	0.85
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG11	20	0.85
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG12	20	0.85
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG13	20	0.85
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG11	6	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG12	6	0.85
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG13	6	0.85
(1,916)	1:24:A:VAL:HG11	1:56:A:PRO:HG3	15	0.85
(1,916)	1:24:A:VAL:HG12	1:56:A:PRO:HG3	15	0.85
(1,916)	1:24:A:VAL:HG13	1:56:A:PRO:HG3	15	0.85
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD11	14	0.85
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD12	14	0.85
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD13	14	0.85
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD21	1	0.85
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD22	1	0.85
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD23	1	0.85
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD21	19	0.85
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD22	19	0.85
(1,830)	1:42:A:LEU:HA	1:42:A:LEU:HD23	19	0.85
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG11	7	0.85
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG12	7	0.85
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG13	7	0.85
(1,568)	1:10:A:LEU:HA	1:11:A:GLN:HB3	4	0.85
(1,558)	1:36:A:LYS:H	1:36:A:LYS:HD3	16	0.85
(1,435)	1:42:A:LEU:HD11	1:108:A:ARG:HB2	3	0.85
(1,435)	1:42:A:LEU:HD12	1:108:A:ARG:HB2	3	0.85
(1,435)	1:42:A:LEU:HD13	1:108:A:ARG:HB2	3	0.85
(1,304)	1:56:A:PRO:HB3	1:79:A:ALA:HA	16	0.85
(1,35)	1:21:A:GLY:HA2	1:26:A:GLU:HG3	1	0.85
(1,2257)	1:20:A:PHE:HB3	1:28:A:LEU:H	1	0.84
(1,1728)	1:7:A:LEU:HD11	1:8:A:PRO:HD3	6	0.84
(1,1728)	1:7:A:LEU:HD12	1:8:A:PRO:HD3	6	0.84
(1,1728)	1:7:A:LEU:HD13	1:8:A:PRO:HD3	6	0.84
(1,1088)	1:17:A:VAL:HG11	1:18:A:ARG:H	11	0.84
(1,1088)	1:17:A:VAL:HG12	1:18:A:ARG:H	11	0.84
(1,1088)	1:17:A:VAL:HG13	1:18:A:ARG:H	11	0.84
(1,1026)	1:15:A:VAL:HG21	1:18:A:ARG:HD3	8	0.84
(1,1026)	1:15:A:VAL:HG22	1:18:A:ARG:HD3	8	0.84
(1,1026)	1:15:A:VAL:HG23	1:18:A:ARG:HD3	8	0.84
(1,1008)	1:58:A:VAL:HA	1:59:A:PHE:HB3	15	0.84
(1,1008)	1:58:A:VAL:HA	1:59:A:PHE:HB3	16	0.84
(1,995)	1:15:A:VAL:HG21	1:18:A:ARG:HG3	15	0.84
(1,995)	1:15:A:VAL:HG22	1:18:A:ARG:HG3	15	0.84
(1,995)	1:15:A:VAL:HG23	1:18:A:ARG:HG3	15	0.84
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG11	3	0.84
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG12	3	0.84
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG13	3	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG11	8	0.84
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG12	8	0.84
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG13	8	0.84
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG11	11	0.84
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG12	11	0.84
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG13	11	0.84
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG11	17	0.84
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG12	17	0.84
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG13	17	0.84
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG11	18	0.84
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG12	18	0.84
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG13	18	0.84
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG11	19	0.84
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG12	19	0.84
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG13	19	0.84
(1,803)	1:63:A:SER:HB2	1:74:A:VAL:HG21	19	0.84
(1,803)	1:63:A:SER:HB2	1:74:A:VAL:HG22	19	0.84
(1,803)	1:63:A:SER:HB2	1:74:A:VAL:HG23	19	0.84
(1,759)	1:60:A:ILE:HG12	1:76:A:GLU:H	8	0.84
(1,740)	1:12:A:VAL:HG11	1:53:A:LEU:HD21	16	0.84
(1,740)	1:12:A:VAL:HG11	1:53:A:LEU:HD22	16	0.84
(1,740)	1:12:A:VAL:HG11	1:53:A:LEU:HD23	16	0.84
(1,740)	1:12:A:VAL:HG12	1:53:A:LEU:HD21	16	0.84
(1,740)	1:12:A:VAL:HG12	1:53:A:LEU:HD22	16	0.84
(1,740)	1:12:A:VAL:HG12	1:53:A:LEU:HD23	16	0.84
(1,740)	1:12:A:VAL:HG13	1:53:A:LEU:HD21	16	0.84
(1,740)	1:12:A:VAL:HG13	1:53:A:LEU:HD22	16	0.84
(1,740)	1:12:A:VAL:HG13	1:53:A:LEU:HD23	16	0.84
(1,591)	1:80:A:GLU:HG2	1:85:A:GLN:HB3	5	0.84
(1,591)	1:80:A:GLU:HG3	1:85:A:GLN:HB3	5	0.84
(1,591)	1:80:A:GLU:HG2	1:85:A:GLN:HB3	17	0.84
(1,591)	1:80:A:GLU:HG3	1:85:A:GLN:HB3	17	0.84
(1,558)	1:36:A:LYS:H	1:36:A:LYS:HD3	11	0.84
(1,421)	1:73:A:LYS:HB2	1:74:A:VAL:HG11	10	0.84
(1,421)	1:73:A:LYS:HB2	1:74:A:VAL:HG12	10	0.84
(1,421)	1:73:A:LYS:HB2	1:74:A:VAL:HG13	10	0.84
(1,421)	1:73:A:LYS:HB3	1:74:A:VAL:HG11	10	0.84
(1,421)	1:73:A:LYS:HB3	1:74:A:VAL:HG12	10	0.84
(1,421)	1:73:A:LYS:HB3	1:74:A:VAL:HG13	10	0.84
(1,223)	1:100:A:VAL:HG11	1:102:A:GLU:HG2	20	0.84
(1,223)	1:100:A:VAL:HG12	1:102:A:GLU:HG2	20	0.84
(1,223)	1:100:A:VAL:HG13	1:102:A:GLU:HG2	20	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,200)	1:62:A:ARG:HG2	1:91:A:ILE:HB	5	0.84
(1,133)	1:42:A:LEU:HD11	1:108:A:ARG:HD2	13	0.84
(1,133)	1:42:A:LEU:HD12	1:108:A:ARG:HD2	13	0.84
(1,133)	1:42:A:LEU:HD13	1:108:A:ARG:HD2	13	0.84
(1,43)	1:47:A:LYS:HG3	1:48:A:GLY:HA3	13	0.84
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD1	8	0.83
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD2	8	0.83
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD1	16	0.83
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD2	16	0.83
(1,1647)	1:42:A:LEU:HD21	1:96:A:LEU:HA	8	0.83
(1,1647)	1:42:A:LEU:HD22	1:96:A:LEU:HA	8	0.83
(1,1647)	1:42:A:LEU:HD23	1:96:A:LEU:HA	8	0.83
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG11	3	0.83
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG12	3	0.83
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG13	3	0.83
(1,1093)	1:58:A:VAL:HG21	1:78:A:VAL:H	19	0.83
(1,1093)	1:58:A:VAL:HG22	1:78:A:VAL:H	19	0.83
(1,1093)	1:58:A:VAL:HG23	1:78:A:VAL:H	19	0.83
(1,1063)	1:53:A:LEU:HA	1:53:A:LEU:HD11	1	0.83
(1,1063)	1:53:A:LEU:HA	1:53:A:LEU:HD12	1	0.83
(1,1063)	1:53:A:LEU:HA	1:53:A:LEU:HD13	1	0.83
(1,1063)	1:53:A:LEU:HA	1:53:A:LEU:HD11	18	0.83
(1,1063)	1:53:A:LEU:HA	1:53:A:LEU:HD12	18	0.83
(1,1063)	1:53:A:LEU:HA	1:53:A:LEU:HD13	18	0.83
(1,983)	1:96:A:LEU:HD21	1:97:A:VAL:H	14	0.83
(1,983)	1:96:A:LEU:HD22	1:97:A:VAL:H	14	0.83
(1,983)	1:96:A:LEU:HD23	1:97:A:VAL:H	14	0.83
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG11	15	0.83
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG12	15	0.83
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG13	15	0.83
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG11	15	0.83
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG12	15	0.83
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG13	15	0.83
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG11	4	0.83
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG12	4	0.83
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG13	4	0.83
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG11	6	0.83
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG12	6	0.83
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG13	6	0.83
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG11	9	0.83
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG12	9	0.83
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG13	9	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,889)	1:112:A:LEU:HD21	1:113:A:ARG:HD2	19	0.83
(1,889)	1:112:A:LEU:HD21	1:113:A:ARG:HD3	19	0.83
(1,889)	1:112:A:LEU:HD22	1:113:A:ARG:HD2	19	0.83
(1,889)	1:112:A:LEU:HD22	1:113:A:ARG:HD3	19	0.83
(1,889)	1:112:A:LEU:HD23	1:113:A:ARG:HD2	19	0.83
(1,889)	1:112:A:LEU:HD23	1:113:A:ARG:HD3	19	0.83
(1,880)	1:112:A:LEU:HD21	1:113:A:ARG:H	19	0.83
(1,880)	1:112:A:LEU:HD22	1:113:A:ARG:H	19	0.83
(1,880)	1:112:A:LEU:HD23	1:113:A:ARG:H	19	0.83
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD21	9	0.83
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD22	9	0.83
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD23	9	0.83
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG21	15	0.83
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG22	15	0.83
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG23	15	0.83
(1,568)	1:10:A:LEU:HA	1:11:A:GLN:HB3	6	0.83
(1,568)	1:10:A:LEU:HA	1:11:A:GLN:HB3	8	0.83
(1,558)	1:36:A:LYS:H	1:36:A:LYS:HD3	20	0.83
(1,552)	1:17:A:VAL:HG11	1:18:A:ARG:HG2	18	0.83
(1,552)	1:17:A:VAL:HG12	1:18:A:ARG:HG2	18	0.83
(1,552)	1:17:A:VAL:HG13	1:18:A:ARG:HG2	18	0.83
(1,435)	1:42:A:LEU:HD11	1:108:A:ARG:HB2	19	0.83
(1,435)	1:42:A:LEU:HD12	1:108:A:ARG:HB2	19	0.83
(1,435)	1:42:A:LEU:HD13	1:108:A:ARG:HB2	19	0.83
(1,296)	1:63:A:SER:HB3	1:76:A:GLU:HG2	2	0.83
(1,296)	1:63:A:SER:HB3	1:76:A:GLU:HG3	2	0.83
(1,277)	1:18:A:ARG:HD3	1:54:A:GLU:HG2	16	0.83
(1,239)	1:29:A:SER:H	1:30:A:GLU:HG3	14	0.83
(1,225)	1:100:A:VAL:HG11	1:102:A:GLU:HG3	2	0.83
(1,225)	1:100:A:VAL:HG12	1:102:A:GLU:HG3	2	0.83
(1,225)	1:100:A:VAL:HG13	1:102:A:GLU:HG3	2	0.83
(1,13)	1:35:A:LEU:HD11	1:38:A:GLY:HA2	11	0.83
(1,13)	1:35:A:LEU:HD11	1:38:A:GLY:HA3	11	0.83
(1,13)	1:35:A:LEU:HD12	1:38:A:GLY:HA2	11	0.83
(1,13)	1:35:A:LEU:HD12	1:38:A:GLY:HA3	11	0.83
(1,13)	1:35:A:LEU:HD13	1:38:A:GLY:HA2	11	0.83
(1,13)	1:35:A:LEU:HD13	1:38:A:GLY:HA3	11	0.83
(1,2313)	1:4:A:GLN:HE22	1:109:A:ASN:HD22	7	0.82
(1,1942)	1:7:A:LEU:HD11	1:40:A:CYS:H	2	0.82
(1,1942)	1:7:A:LEU:HD12	1:40:A:CYS:H	2	0.82
(1,1942)	1:7:A:LEU:HD13	1:40:A:CYS:H	2	0.82
(1,1512)	1:56:A:PRO:HB2	1:81:A:MET:HA	11	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1184)	1:63:A:SER:HB3	1:74:A:VAL:HG21	7	0.82
(1,1184)	1:63:A:SER:HB3	1:74:A:VAL:HG22	7	0.82
(1,1184)	1:63:A:SER:HB3	1:74:A:VAL:HG23	7	0.82
(1,1155)	1:9:A:VAL:HA	1:42:A:LEU:HB2	10	0.82
(1,1063)	1:53:A:LEU:HA	1:53:A:LEU:HD11	17	0.82
(1,1063)	1:53:A:LEU:HA	1:53:A:LEU:HD12	17	0.82
(1,1063)	1:53:A:LEU:HA	1:53:A:LEU:HD13	17	0.82
(1,1008)	1:58:A:VAL:HA	1:59:A:PHE:HB3	5	0.82
(1,1008)	1:58:A:VAL:HA	1:59:A:PHE:HB3	7	0.82
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG11	12	0.82
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG12	12	0.82
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG13	12	0.82
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG11	4	0.82
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG12	4	0.82
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG13	4	0.82
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD21	15	0.82
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD22	15	0.82
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD23	15	0.82
(1,835)	1:42:A:LEU:HD21	1:60:A:ILE:HG12	14	0.82
(1,835)	1:42:A:LEU:HD22	1:60:A:ILE:HG12	14	0.82
(1,835)	1:42:A:LEU:HD23	1:60:A:ILE:HG12	14	0.82
(1,742)	1:42:A:LEU:HD21	1:60:A:ILE:HG13	9	0.82
(1,742)	1:42:A:LEU:HD22	1:60:A:ILE:HG13	9	0.82
(1,742)	1:42:A:LEU:HD23	1:60:A:ILE:HG13	9	0.82
(1,568)	1:10:A:LEU:HA	1:11:A:GLN:HB3	2	0.82
(1,568)	1:10:A:LEU:HA	1:11:A:GLN:HB3	5	0.82
(1,558)	1:36:A:LYS:H	1:36:A:LYS:HD3	14	0.82
(1,142)	1:59:A:PHE:HB2	1:60:A:ILE:HG12	2	0.82
(1,135)	1:42:A:LEU:HD11	1:108:A:ARG:HD3	2	0.82
(1,135)	1:42:A:LEU:HD12	1:108:A:ARG:HD3	2	0.82
(1,135)	1:42:A:LEU:HD13	1:108:A:ARG:HD3	2	0.82
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD1	12	0.81
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD2	12	0.81
(1,2426)	1:21:A:GLY:H	1:30:A:GLU:HB3	3	0.81
(1,2313)	1:4:A:GLN:HE22	1:109:A:ASN:HD22	3	0.81
(1,1710)	1:7:A:LEU:HA	1:41:A:GLY:HA3	8	0.81
(1,1621)	1:63:A:SER:HB2	1:64:A:ASP:HA	18	0.81
(1,1512)	1:56:A:PRO:HB2	1:81:A:MET:HA	16	0.81
(1,1163)	1:3:A:VAL:HA	1:4:A:GLN:HB3	14	0.81
(1,1027)	1:15:A:VAL:HG21	1:18:A:ARG:HG2	7	0.81
(1,1027)	1:15:A:VAL:HG22	1:18:A:ARG:HG2	7	0.81
(1,1027)	1:15:A:VAL:HG23	1:18:A:ARG:HG2	7	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1008)	1:58:A:VAL:HA	1:59:A:PHE:HB3	1	0.81
(1,1008)	1:58:A:VAL:HA	1:59:A:PHE:HB3	11	0.81
(1,1008)	1:58:A:VAL:HA	1:59:A:PHE:HB3	13	0.81
(1,1008)	1:58:A:VAL:HA	1:59:A:PHE:HB3	14	0.81
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG11	3	0.81
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG12	3	0.81
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG13	3	0.81
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG11	3	0.81
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG12	3	0.81
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG13	3	0.81
(1,778)	1:10:A:LEU:HD11	1:102:A:GLU:HB3	14	0.81
(1,778)	1:10:A:LEU:HD12	1:102:A:GLU:HB3	14	0.81
(1,778)	1:10:A:LEU:HD13	1:102:A:GLU:HB3	14	0.81
(1,684)	1:11:A:GLN:HB2	1:13:A:ARG:HG2	4	0.81
(1,365)	1:55:A:GLN:H	1:55:A:GLN:HG3	4	0.81
(1,239)	1:29:A:SER:H	1:30:A:GLU:HG3	12	0.81
(1,225)	1:100:A:VAL:HG11	1:102:A:GLU:HG3	14	0.81
(1,225)	1:100:A:VAL:HG12	1:102:A:GLU:HG3	14	0.81
(1,225)	1:100:A:VAL:HG13	1:102:A:GLU:HG3	14	0.81
(1,43)	1:47:A:LYS:HG3	1:48:A:GLY:HA3	19	0.81
(1,13)	1:35:A:LEU:HD11	1:38:A:GLY:HA2	5	0.81
(1,13)	1:35:A:LEU:HD11	1:38:A:GLY:HA3	5	0.81
(1,13)	1:35:A:LEU:HD12	1:38:A:GLY:HA2	5	0.81
(1,13)	1:35:A:LEU:HD12	1:38:A:GLY:HA3	5	0.81
(1,13)	1:35:A:LEU:HD13	1:38:A:GLY:HA2	5	0.81
(1,13)	1:35:A:LEU:HD13	1:38:A:GLY:HA3	5	0.81
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD1	1	0.8
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD2	1	0.8
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD1	10	0.8
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD2	10	0.8
(1,2426)	1:21:A:GLY:H	1:30:A:GLU:HB3	7	0.8
(1,2235)	1:20:A:PHE:H	1:30:A:GLU:HB3	3	0.8
(1,1942)	1:7:A:LEU:HD11	1:40:A:CYS:H	14	0.8
(1,1942)	1:7:A:LEU:HD12	1:40:A:CYS:H	14	0.8
(1,1942)	1:7:A:LEU:HD13	1:40:A:CYS:H	14	0.8
(1,1765)	1:7:A:LEU:H	1:109:A:ASN:HB3	20	0.8
(1,1392)	1:65:A:ALA:HB1	1:66:A:LEU:HD21	20	0.8
(1,1392)	1:65:A:ALA:HB1	1:66:A:LEU:HD22	20	0.8
(1,1392)	1:65:A:ALA:HB1	1:66:A:LEU:HD23	20	0.8
(1,1392)	1:65:A:ALA:HB2	1:66:A:LEU:HD21	20	0.8
(1,1392)	1:65:A:ALA:HB2	1:66:A:LEU:HD22	20	0.8
(1,1392)	1:65:A:ALA:HB2	1:66:A:LEU:HD23	20	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1392)	1:65:A:ALA:HB3	1:66:A:LEU:HD21	20	0.8
(1,1392)	1:65:A:ALA:HB3	1:66:A:LEU:HD22	20	0.8
(1,1392)	1:65:A:ALA:HB3	1:66:A:LEU:HD23	20	0.8
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG11	9	0.8
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG12	9	0.8
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG13	9	0.8
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG11	6	0.8
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG12	6	0.8
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG13	6	0.8
(1,1168)	1:74:A:VAL:HG21	1:113:A:ARG:HA	10	0.8
(1,1168)	1:74:A:VAL:HG22	1:113:A:ARG:HA	10	0.8
(1,1168)	1:74:A:VAL:HG23	1:113:A:ARG:HA	10	0.8
(1,1123)	1:24:A:VAL:HG11	1:81:A:MET:HB2	8	0.8
(1,1123)	1:24:A:VAL:HG12	1:81:A:MET:HB2	8	0.8
(1,1123)	1:24:A:VAL:HG13	1:81:A:MET:HB2	8	0.8
(1,1091)	1:58:A:VAL:HG21	1:59:A:PHE:H	10	0.8
(1,1091)	1:58:A:VAL:HG22	1:59:A:PHE:H	10	0.8
(1,1091)	1:58:A:VAL:HG23	1:59:A:PHE:H	10	0.8
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG11	14	0.8
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG12	14	0.8
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG13	14	0.8
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG11	14	0.8
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG12	14	0.8
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG13	14	0.8
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG11	11	0.8
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG12	11	0.8
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG13	11	0.8
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD11	11	0.8
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD12	11	0.8
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD13	11	0.8
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD11	19	0.8
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD12	19	0.8
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD13	19	0.8
(1,880)	1:112:A:LEU:HD21	1:113:A:ARG:H	1	0.8
(1,880)	1:112:A:LEU:HD22	1:113:A:ARG:H	1	0.8
(1,880)	1:112:A:LEU:HD23	1:113:A:ARG:H	1	0.8
(1,799)	1:50:A:LEU:HD11	1:83:A:GLY:HA2	14	0.8
(1,799)	1:50:A:LEU:HD12	1:83:A:GLY:HA2	14	0.8
(1,799)	1:50:A:LEU:HD13	1:83:A:GLY:HA2	14	0.8
(1,742)	1:42:A:LEU:HD21	1:60:A:ILE:HG13	20	0.8
(1,742)	1:42:A:LEU:HD22	1:60:A:ILE:HG13	20	0.8
(1,742)	1:42:A:LEU:HD23	1:60:A:ILE:HG13	20	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,477)	1:62:A:ARG:HB2	1:91:A:ILE:HA	14	0.8
(1,365)	1:55:A:GLN:H	1:55:A:GLN:HG3	6	0.8
(1,204)	1:43:A:VAL:HA	1:44:A:GLU:HG2	19	0.8
(1,142)	1:59:A:PHE:HB2	1:60:A:ILE:HG12	5	0.8
(1,133)	1:42:A:LEU:HD11	1:108:A:ARG:HD2	8	0.8
(1,133)	1:42:A:LEU:HD12	1:108:A:ARG:HD2	8	0.8
(1,133)	1:42:A:LEU:HD13	1:108:A:ARG:HD2	8	0.8
(1,126)	1:25:A:GLU:HG3	1:28:A:LEU:HB2	14	0.8
(1,126)	1:25:A:GLU:HG3	1:28:A:LEU:HB3	14	0.8
(1,43)	1:47:A:LYS:HG3	1:48:A:GLY:HA3	7	0.8
(1,2341)	1:11:A:GLN:HE22	1:12:A:VAL:HG11	4	0.79
(1,2341)	1:11:A:GLN:HE22	1:12:A:VAL:HG12	4	0.79
(1,2341)	1:11:A:GLN:HE22	1:12:A:VAL:HG13	4	0.79
(1,2257)	1:20:A:PHE:HB3	1:28:A:LEU:H	9	0.79
(1,1642)	1:2:A:HIS:HB2	1:112:A:LEU:HA	19	0.79
(1,1557)	1:73:A:LYS:HA	1:74:A:VAL:HG11	14	0.79
(1,1557)	1:73:A:LYS:HA	1:74:A:VAL:HG12	14	0.79
(1,1557)	1:73:A:LYS:HA	1:74:A:VAL:HG13	14	0.79
(1,1325)	1:36:A:LYS:HA	1:36:A:LYS:HD3	2	0.79
(1,1279)	1:24:A:VAL:HG21	1:79:A:ALA:H	10	0.79
(1,1279)	1:24:A:VAL:HG22	1:79:A:ALA:H	10	0.79
(1,1279)	1:24:A:VAL:HG23	1:79:A:ALA:H	10	0.79
(1,1088)	1:17:A:VAL:HG11	1:18:A:ARG:H	19	0.79
(1,1088)	1:17:A:VAL:HG12	1:18:A:ARG:H	19	0.79
(1,1088)	1:17:A:VAL:HG13	1:18:A:ARG:H	19	0.79
(1,1005)	1:43:A:VAL:HG21	1:97:A:VAL:HG11	8	0.79
(1,1005)	1:43:A:VAL:HG21	1:97:A:VAL:HG12	8	0.79
(1,1005)	1:43:A:VAL:HG21	1:97:A:VAL:HG13	8	0.79
(1,1005)	1:43:A:VAL:HG22	1:97:A:VAL:HG11	8	0.79
(1,1005)	1:43:A:VAL:HG22	1:97:A:VAL:HG12	8	0.79
(1,1005)	1:43:A:VAL:HG22	1:97:A:VAL:HG13	8	0.79
(1,1005)	1:43:A:VAL:HG23	1:97:A:VAL:HG11	8	0.79
(1,1005)	1:43:A:VAL:HG23	1:97:A:VAL:HG12	8	0.79
(1,1005)	1:43:A:VAL:HG23	1:97:A:VAL:HG13	8	0.79
(1,983)	1:96:A:LEU:HD21	1:97:A:VAL:H	1	0.79
(1,983)	1:96:A:LEU:HD22	1:97:A:VAL:H	1	0.79
(1,983)	1:96:A:LEU:HD23	1:97:A:VAL:H	1	0.79
(1,983)	1:96:A:LEU:HD21	1:97:A:VAL:H	11	0.79
(1,983)	1:96:A:LEU:HD22	1:97:A:VAL:H	11	0.79
(1,983)	1:96:A:LEU:HD23	1:97:A:VAL:H	11	0.79
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG11	11	0.79
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG12	11	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG13	11	0.79
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG11	18	0.79
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG12	18	0.79
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG13	18	0.79
(1,903)	1:74:A:VAL:HG11	1:111:A:LEU:HD11	14	0.79
(1,903)	1:74:A:VAL:HG11	1:111:A:LEU:HD12	14	0.79
(1,903)	1:74:A:VAL:HG11	1:111:A:LEU:HD13	14	0.79
(1,903)	1:74:A:VAL:HG12	1:111:A:LEU:HD11	14	0.79
(1,903)	1:74:A:VAL:HG12	1:111:A:LEU:HD12	14	0.79
(1,903)	1:74:A:VAL:HG12	1:111:A:LEU:HD13	14	0.79
(1,903)	1:74:A:VAL:HG13	1:111:A:LEU:HD11	14	0.79
(1,903)	1:74:A:VAL:HG13	1:111:A:LEU:HD12	14	0.79
(1,903)	1:74:A:VAL:HG13	1:111:A:LEU:HD13	14	0.79
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD21	11	0.79
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD22	11	0.79
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD23	11	0.79
(1,818)	1:62:A:ARG:HD2	1:73:A:LYS:HG3	16	0.79
(1,818)	1:62:A:ARG:HD3	1:73:A:LYS:HG3	16	0.79
(1,814)	1:15:A:VAL:HA	1:102:A:GLU:HG2	9	0.79
(1,803)	1:63:A:SER:HB2	1:74:A:VAL:HG21	8	0.79
(1,803)	1:63:A:SER:HB2	1:74:A:VAL:HG22	8	0.79
(1,803)	1:63:A:SER:HB2	1:74:A:VAL:HG23	8	0.79
(1,742)	1:42:A:LEU:HD21	1:60:A:ILE:HG13	2	0.79
(1,742)	1:42:A:LEU:HD22	1:60:A:ILE:HG13	2	0.79
(1,742)	1:42:A:LEU:HD23	1:60:A:ILE:HG13	2	0.79
(1,209)	1:42:A:LEU:HD11	1:44:A:GLU:HG3	12	0.79
(1,209)	1:42:A:LEU:HD12	1:44:A:GLU:HG3	12	0.79
(1,209)	1:42:A:LEU:HD13	1:44:A:GLU:HG3	12	0.79
(1,52)	1:42:A:LEU:HD21	1:94:A:GLY:HA2	14	0.79
(1,52)	1:42:A:LEU:HD22	1:94:A:GLY:HA2	14	0.79
(1,52)	1:42:A:LEU:HD23	1:94:A:GLY:HA2	14	0.79
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD1	11	0.78
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD2	11	0.78
(1,2383)	1:35:A:LEU:HD11	1:38:A:GLY:H	11	0.78
(1,2383)	1:35:A:LEU:HD12	1:38:A:GLY:H	11	0.78
(1,2383)	1:35:A:LEU:HD13	1:38:A:GLY:H	11	0.78
(1,2372)	1:55:A:GLN:HE22	1:56:A:PRO:HD3	4	0.78
(1,2243)	1:63:A:SER:HB3	1:76:A:GLU:H	12	0.78
(1,2110)	1:36:A:LYS:H	1:37:A:ASN:HB3	11	0.78
(1,2110)	1:36:A:LYS:H	1:37:A:ASN:HB3	13	0.78
(1,2110)	1:36:A:LYS:H	1:37:A:ASN:HB3	20	0.78
(1,1782)	1:5:A:LEU:H	1:112:A:LEU:HB3	18	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1728)	1:7:A:LEU:HD11	1:8:A:PRO:HD3	4	0.78
(1,1728)	1:7:A:LEU:HD12	1:8:A:PRO:HD3	4	0.78
(1,1728)	1:7:A:LEU:HD13	1:8:A:PRO:HD3	4	0.78
(1,1728)	1:7:A:LEU:HD11	1:8:A:PRO:HD3	17	0.78
(1,1728)	1:7:A:LEU:HD12	1:8:A:PRO:HD3	17	0.78
(1,1728)	1:7:A:LEU:HD13	1:8:A:PRO:HD3	17	0.78
(1,1642)	1:2:A:HIS:HB2	1:112:A:LEU:HA	7	0.78
(1,1621)	1:63:A:SER:HB2	1:64:A:ASP:HA	2	0.78
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG11	9	0.78
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG12	9	0.78
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG13	9	0.78
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG11	9	0.78
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG12	9	0.78
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG13	9	0.78
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG11	9	0.78
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG12	9	0.78
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG13	9	0.78
(1,1163)	1:3:A:VAL:HA	1:4:A:GLN:HB3	13	0.78
(1,1155)	1:9:A:VAL:HA	1:42:A:LEU:HB2	14	0.78
(1,1093)	1:58:A:VAL:HG21	1:78:A:VAL:H	2	0.78
(1,1093)	1:58:A:VAL:HG22	1:78:A:VAL:H	2	0.78
(1,1093)	1:58:A:VAL:HG23	1:78:A:VAL:H	2	0.78
(1,1088)	1:17:A:VAL:HG11	1:18:A:ARG:H	4	0.78
(1,1088)	1:17:A:VAL:HG12	1:18:A:ARG:H	4	0.78
(1,1088)	1:17:A:VAL:HG13	1:18:A:ARG:H	4	0.78
(1,1088)	1:17:A:VAL:HG11	1:18:A:ARG:H	5	0.78
(1,1088)	1:17:A:VAL:HG12	1:18:A:ARG:H	5	0.78
(1,1088)	1:17:A:VAL:HG13	1:18:A:ARG:H	5	0.78
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD11	5	0.78
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD12	5	0.78
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD13	5	0.78
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD11	16	0.78
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD12	16	0.78
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD13	16	0.78
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD11	20	0.78
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD12	20	0.78
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD13	20	0.78
(1,876)	1:20:A:PHE:HE1	1:35:A:LEU:HD11	2	0.78
(1,876)	1:20:A:PHE:HE1	1:35:A:LEU:HD12	2	0.78
(1,876)	1:20:A:PHE:HE1	1:35:A:LEU:HD13	2	0.78
(1,876)	1:20:A:PHE:HE2	1:35:A:LEU:HD11	2	0.78
(1,876)	1:20:A:PHE:HE2	1:35:A:LEU:HD12	2	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,876)	1:20:A:PHE:HE2	1:35:A:LEU:HD13	2	0.78
(1,742)	1:42:A:LEU:HD21	1:60:A:ILE:HG13	5	0.78
(1,742)	1:42:A:LEU:HD22	1:60:A:ILE:HG13	5	0.78
(1,742)	1:42:A:LEU:HD23	1:60:A:ILE:HG13	5	0.78
(1,733)	1:7:A:LEU:HD21	1:42:A:LEU:HB3	16	0.78
(1,733)	1:7:A:LEU:HD22	1:42:A:LEU:HB3	16	0.78
(1,733)	1:7:A:LEU:HD23	1:42:A:LEU:HB3	16	0.78
(1,568)	1:10:A:LEU:HA	1:11:A:GLN:HB3	16	0.78
(1,552)	1:17:A:VAL:HG11	1:18:A:ARG:HG2	1	0.78
(1,552)	1:17:A:VAL:HG12	1:18:A:ARG:HG2	1	0.78
(1,552)	1:17:A:VAL:HG13	1:18:A:ARG:HG2	1	0.78
(1,437)	1:42:A:LEU:HD11	1:108:A:ARG:HB3	8	0.78
(1,437)	1:42:A:LEU:HD12	1:108:A:ARG:HB3	8	0.78
(1,437)	1:42:A:LEU:HD13	1:108:A:ARG:HB3	8	0.78
(1,437)	1:42:A:LEU:HD11	1:108:A:ARG:HB3	16	0.78
(1,437)	1:42:A:LEU:HD12	1:108:A:ARG:HB3	16	0.78
(1,437)	1:42:A:LEU:HD13	1:108:A:ARG:HB3	16	0.78
(1,239)	1:29:A:SER:H	1:30:A:GLU:HG3	11	0.78
(1,205)	1:42:A:LEU:HD11	1:44:A:GLU:HG2	1	0.78
(1,205)	1:42:A:LEU:HD12	1:44:A:GLU:HG2	1	0.78
(1,205)	1:42:A:LEU:HD13	1:44:A:GLU:HG2	1	0.78
(1,200)	1:62:A:ARG:HG2	1:91:A:ILE:HB	19	0.78
(1,142)	1:59:A:PHE:HB2	1:60:A:ILE:HG12	7	0.78
(1,52)	1:42:A:LEU:HD21	1:94:A:GLY:HA2	6	0.78
(1,52)	1:42:A:LEU:HD22	1:94:A:GLY:HA2	6	0.78
(1,52)	1:42:A:LEU:HD23	1:94:A:GLY:HA2	6	0.78
(1,2367)	1:39:A:THR:H	1:40:A:CYS:HB2	10	0.77
(1,2367)	1:39:A:THR:H	1:40:A:CYS:HB2	12	0.77
(1,1647)	1:42:A:LEU:HD21	1:96:A:LEU:HA	19	0.77
(1,1647)	1:42:A:LEU:HD22	1:96:A:LEU:HA	19	0.77
(1,1647)	1:42:A:LEU:HD23	1:96:A:LEU:HA	19	0.77
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG11	2	0.77
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG12	2	0.77
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG13	2	0.77
(1,1186)	1:72:A:HIS:H	1:74:A:VAL:HG11	1	0.77
(1,1186)	1:72:A:HIS:H	1:74:A:VAL:HG12	1	0.77
(1,1186)	1:72:A:HIS:H	1:74:A:VAL:HG13	1	0.77
(1,1088)	1:17:A:VAL:HG11	1:18:A:ARG:H	3	0.77
(1,1088)	1:17:A:VAL:HG12	1:18:A:ARG:H	3	0.77
(1,1088)	1:17:A:VAL:HG13	1:18:A:ARG:H	3	0.77
(1,983)	1:96:A:LEU:HD21	1:97:A:VAL:H	3	0.77
(1,983)	1:96:A:LEU:HD22	1:97:A:VAL:H	3	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,983)	1:96:A:LEU:HD23	1:97:A:VAL:H	3	0.77
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG11	2	0.77
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG12	2	0.77
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG13	2	0.77
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG11	2	0.77
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG12	2	0.77
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG13	2	0.77
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG11	4	0.77
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG12	4	0.77
(1,979)	1:14:A:ASP:HB2	1:15:A:VAL:HG13	4	0.77
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD11	15	0.77
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD12	15	0.77
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD13	15	0.77
(1,835)	1:42:A:LEU:HD21	1:60:A:ILE:HG12	17	0.77
(1,835)	1:42:A:LEU:HD22	1:60:A:ILE:HG12	17	0.77
(1,835)	1:42:A:LEU:HD23	1:60:A:ILE:HG12	17	0.77
(1,770)	1:75:A:VAL:HA	1:93:A:LEU:HD11	1	0.77
(1,770)	1:75:A:VAL:HA	1:93:A:LEU:HD12	1	0.77
(1,770)	1:75:A:VAL:HA	1:93:A:LEU:HD13	1	0.77
(1,437)	1:42:A:LEU:HD11	1:108:A:ARG:HB3	12	0.77
(1,437)	1:42:A:LEU:HD12	1:108:A:ARG:HB3	12	0.77
(1,437)	1:42:A:LEU:HD13	1:108:A:ARG:HB3	12	0.77
(1,350)	1:3:A:VAL:HB	1:112:A:LEU:HD11	10	0.77
(1,350)	1:3:A:VAL:HB	1:112:A:LEU:HD12	10	0.77
(1,350)	1:3:A:VAL:HB	1:112:A:LEU:HD13	10	0.77
(1,142)	1:59:A:PHE:HB2	1:60:A:ILE:HG12	1	0.77
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD1	20	0.76
(1,2437)	1:8:A:PRO:HB2	1:107:A:TYR:HD2	20	0.76
(1,2426)	1:21:A:GLY:H	1:30:A:GLU:HB3	14	0.76
(1,2100)	1:63:A:SER:HB2	1:66:A:LEU:H	10	0.76
(1,1710)	1:7:A:LEU:HA	1:41:A:GLY:HA3	17	0.76
(1,1642)	1:2:A:HIS:HB2	1:112:A:LEU:HA	4	0.76
(1,1358)	1:63:A:SER:HA	1:76:A:GLU:HB2	8	0.76
(1,1155)	1:9:A:VAL:HA	1:42:A:LEU:HB2	13	0.76
(1,1133)	1:12:A:VAL:HB	1:43:A:VAL:HG11	8	0.76
(1,1133)	1:12:A:VAL:HB	1:43:A:VAL:HG12	8	0.76
(1,1133)	1:12:A:VAL:HB	1:43:A:VAL:HG13	8	0.76
(1,1008)	1:58:A:VAL:HA	1:59:A:PHE:HB3	17	0.76
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG11	6	0.76
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG12	6	0.76
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG13	6	0.76
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG11	6	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG12	6	0.76
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG13	6	0.76
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG11	10	0.76
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG12	10	0.76
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG13	10	0.76
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG11	10	0.76
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG12	10	0.76
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG13	10	0.76
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD11	13	0.76
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD12	13	0.76
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD13	13	0.76
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD11	14	0.76
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD12	14	0.76
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD13	14	0.76
(1,890)	1:7:A:LEU:HD11	1:8:A:PRO:HD2	4	0.76
(1,890)	1:7:A:LEU:HD12	1:8:A:PRO:HD2	4	0.76
(1,890)	1:7:A:LEU:HD13	1:8:A:PRO:HD2	4	0.76
(1,835)	1:42:A:LEU:HD21	1:60:A:ILE:HG12	18	0.76
(1,835)	1:42:A:LEU:HD22	1:60:A:ILE:HG12	18	0.76
(1,835)	1:42:A:LEU:HD23	1:60:A:ILE:HG12	18	0.76
(1,576)	1:11:A:GLN:HB3	1:14:A:ASP:HA	8	0.76
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG21	11	0.76
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG22	11	0.76
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG23	11	0.76
(1,450)	1:8:A:PRO:HB3	1:41:A:GLY:HA3	15	0.76
(1,435)	1:42:A:LEU:HD11	1:108:A:ARG:HB2	2	0.76
(1,435)	1:42:A:LEU:HD12	1:108:A:ARG:HB2	2	0.76
(1,435)	1:42:A:LEU:HD13	1:108:A:ARG:HB2	2	0.76
(1,365)	1:55:A:GLN:H	1:55:A:GLN:HG3	18	0.76
(1,311)	1:33:A:GLU:H	1:33:A:GLU:HG2	17	0.76
(1,235)	1:23:A:SER:HB3	1:26:A:GLU:HG2	15	0.76
(1,52)	1:42:A:LEU:HD21	1:94:A:GLY:HA2	5	0.76
(1,52)	1:42:A:LEU:HD22	1:94:A:GLY:HA2	5	0.76
(1,52)	1:42:A:LEU:HD23	1:94:A:GLY:HA2	5	0.76
(1,35)	1:21:A:GLY:HA2	1:26:A:GLU:HG3	18	0.76
(1,2327)	1:49:A:VAL:HG11	1:52:A:GLN:HE22	12	0.75
(1,2327)	1:49:A:VAL:HG12	1:52:A:GLN:HE22	12	0.75
(1,2327)	1:49:A:VAL:HG13	1:52:A:GLN:HE22	12	0.75
(1,2325)	1:48:A:GLY:HA2	1:52:A:GLN:HE22	3	0.75
(1,2257)	1:20:A:PHE:HB3	1:28:A:LEU:H	14	0.75
(1,2243)	1:63:A:SER:HB3	1:76:A:GLU:H	9	0.75
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG11	12	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG12	12	0.75
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG13	12	0.75
(1,2110)	1:36:A:LYS:H	1:37:A:ASN:HB3	2	0.75
(1,1942)	1:7:A:LEU:HD11	1:40:A:CYS:H	6	0.75
(1,1942)	1:7:A:LEU:HD12	1:40:A:CYS:H	6	0.75
(1,1942)	1:7:A:LEU:HD13	1:40:A:CYS:H	6	0.75
(1,1812)	1:112:A:LEU:HD21	1:114:A:LYS:H	10	0.75
(1,1812)	1:112:A:LEU:HD22	1:114:A:LYS:H	10	0.75
(1,1812)	1:112:A:LEU:HD23	1:114:A:LYS:H	10	0.75
(1,1757)	1:24:A:VAL:HG11	1:56:A:PRO:HD3	2	0.75
(1,1757)	1:24:A:VAL:HG12	1:56:A:PRO:HD3	2	0.75
(1,1757)	1:24:A:VAL:HG13	1:56:A:PRO:HD3	2	0.75
(1,1642)	1:2:A:HIS:HB2	1:112:A:LEU:HA	6	0.75
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD21	3	0.75
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD22	3	0.75
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD23	3	0.75
(1,1101)	1:58:A:VAL:HG21	1:77:A:LEU:HD21	13	0.75
(1,1101)	1:58:A:VAL:HG21	1:77:A:LEU:HD22	13	0.75
(1,1101)	1:58:A:VAL:HG21	1:77:A:LEU:HD23	13	0.75
(1,1101)	1:58:A:VAL:HG22	1:77:A:LEU:HD21	13	0.75
(1,1101)	1:58:A:VAL:HG22	1:77:A:LEU:HD22	13	0.75
(1,1101)	1:58:A:VAL:HG22	1:77:A:LEU:HD23	13	0.75
(1,1101)	1:58:A:VAL:HG23	1:77:A:LEU:HD21	13	0.75
(1,1101)	1:58:A:VAL:HG23	1:77:A:LEU:HD22	13	0.75
(1,1101)	1:58:A:VAL:HG23	1:77:A:LEU:HD23	13	0.75
(1,1006)	1:53:A:LEU:HD11	1:97:A:VAL:HG11	1	0.75
(1,1006)	1:53:A:LEU:HD11	1:97:A:VAL:HG12	1	0.75
(1,1006)	1:53:A:LEU:HD11	1:97:A:VAL:HG13	1	0.75
(1,1006)	1:53:A:LEU:HD12	1:97:A:VAL:HG11	1	0.75
(1,1006)	1:53:A:LEU:HD12	1:97:A:VAL:HG12	1	0.75
(1,1006)	1:53:A:LEU:HD12	1:97:A:VAL:HG13	1	0.75
(1,1006)	1:53:A:LEU:HD13	1:97:A:VAL:HG11	1	0.75
(1,1006)	1:53:A:LEU:HD13	1:97:A:VAL:HG12	1	0.75
(1,1006)	1:53:A:LEU:HD13	1:97:A:VAL:HG13	1	0.75
(1,1006)	1:53:A:LEU:HD11	1:97:A:VAL:HG11	18	0.75
(1,1006)	1:53:A:LEU:HD11	1:97:A:VAL:HG12	18	0.75
(1,1006)	1:53:A:LEU:HD11	1:97:A:VAL:HG13	18	0.75
(1,1006)	1:53:A:LEU:HD12	1:97:A:VAL:HG11	18	0.75
(1,1006)	1:53:A:LEU:HD12	1:97:A:VAL:HG12	18	0.75
(1,1006)	1:53:A:LEU:HD12	1:97:A:VAL:HG13	18	0.75
(1,1006)	1:53:A:LEU:HD13	1:97:A:VAL:HG11	18	0.75
(1,1006)	1:53:A:LEU:HD13	1:97:A:VAL:HG12	18	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1006)	1:53:A:LEU:HD13	1:97:A:VAL:HG13	18	0.75
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG11	3	0.75
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG12	3	0.75
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG13	3	0.75
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG11	3	0.75
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG12	3	0.75
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG13	3	0.75
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD21	5	0.75
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD22	5	0.75
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD23	5	0.75
(1,827)	1:42:A:LEU:HD21	1:95:A:VAL:H	8	0.75
(1,827)	1:42:A:LEU:HD22	1:95:A:VAL:H	8	0.75
(1,827)	1:42:A:LEU:HD23	1:95:A:VAL:H	8	0.75
(1,552)	1:17:A:VAL:HG11	1:18:A:ARG:HG2	8	0.75
(1,552)	1:17:A:VAL:HG12	1:18:A:ARG:HG2	8	0.75
(1,552)	1:17:A:VAL:HG13	1:18:A:ARG:HG2	8	0.75
(1,496)	1:40:A:CYS:HB3	1:98:A:PRO:HB3	12	0.75
(1,464)	1:51:A:PRO:HB3	1:52:A:GLN:HG2	8	0.75
(1,450)	1:8:A:PRO:HB3	1:41:A:GLY:HA3	18	0.75
(1,435)	1:42:A:LEU:HD11	1:108:A:ARG:HB2	9	0.75
(1,435)	1:42:A:LEU:HD12	1:108:A:ARG:HB2	9	0.75
(1,435)	1:42:A:LEU:HD13	1:108:A:ARG:HB2	9	0.75
(1,428)	1:63:A:SER:HB3	1:74:A:VAL:HB	20	0.75
(1,421)	1:73:A:LYS:HB2	1:74:A:VAL:HG11	1	0.75
(1,421)	1:73:A:LYS:HB2	1:74:A:VAL:HG12	1	0.75
(1,421)	1:73:A:LYS:HB2	1:74:A:VAL:HG13	1	0.75
(1,421)	1:73:A:LYS:HB3	1:74:A:VAL:HG11	1	0.75
(1,421)	1:73:A:LYS:HB3	1:74:A:VAL:HG12	1	0.75
(1,421)	1:73:A:LYS:HB3	1:74:A:VAL:HG13	1	0.75
(1,311)	1:33:A:GLU:H	1:33:A:GLU:HG2	20	0.75
(1,304)	1:56:A:PRO:HB3	1:79:A:ALA:HA	6	0.75
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB1	3	0.75
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB2	3	0.75
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB3	3	0.75
(1,65)	1:41:A:GLY:HA3	1:99:A:HIS:HB3	11	0.75
(1,52)	1:42:A:LEU:HD21	1:94:A:GLY:HA2	15	0.75
(1,52)	1:42:A:LEU:HD22	1:94:A:GLY:HA2	15	0.75
(1,52)	1:42:A:LEU:HD23	1:94:A:GLY:HA2	15	0.75
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG11	11	0.75
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG12	11	0.75
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG13	11	0.75
(1,2524)	1:99:A:HIS:HD2	1:101:A:GLY:HA3	3	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2524)	1:99:A:HIS:HD2	1:101:A:GLY:HA3	17	0.74
(1,2361)	1:4:A:GLN:HE21	1:109:A:ASN:HD22	7	0.74
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG11	18	0.74
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG12	18	0.74
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG13	18	0.74
(1,2110)	1:36:A:LYS:H	1:37:A:ASN:HB3	12	0.74
(1,1885)	1:65:A:ALA:H	1:66:A:LEU:HD21	20	0.74
(1,1885)	1:65:A:ALA:H	1:66:A:LEU:HD22	20	0.74
(1,1885)	1:65:A:ALA:H	1:66:A:LEU:HD23	20	0.74
(1,1728)	1:7:A:LEU:HD11	1:8:A:PRO:HD3	8	0.74
(1,1728)	1:7:A:LEU:HD12	1:8:A:PRO:HD3	8	0.74
(1,1728)	1:7:A:LEU:HD13	1:8:A:PRO:HD3	8	0.74
(1,1008)	1:58:A:VAL:HA	1:59:A:PHE:HB3	9	0.74
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD11	8	0.74
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD12	8	0.74
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD13	8	0.74
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD11	4	0.74
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD12	4	0.74
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD13	4	0.74
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD11	5	0.74
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD12	5	0.74
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD13	5	0.74
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD11	18	0.74
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD12	18	0.74
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD13	18	0.74
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD21	12	0.74
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD22	12	0.74
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD23	12	0.74
(1,835)	1:42:A:LEU:HD21	1:60:A:ILE:HG12	1	0.74
(1,835)	1:42:A:LEU:HD22	1:60:A:ILE:HG12	1	0.74
(1,835)	1:42:A:LEU:HD23	1:60:A:ILE:HG12	1	0.74
(1,568)	1:10:A:LEU:HA	1:11:A:GLN:HB3	19	0.74
(1,494)	1:7:A:LEU:HD11	1:40:A:CYS:HB2	10	0.74
(1,494)	1:7:A:LEU:HD12	1:40:A:CYS:HB2	10	0.74
(1,494)	1:7:A:LEU:HD13	1:40:A:CYS:HB2	10	0.74
(1,460)	1:24:A:VAL:HB	1:25:A:GLU:HG3	4	0.74
(1,428)	1:63:A:SER:HB3	1:74:A:VAL:HB	15	0.74
(1,421)	1:73:A:LYS:HB2	1:74:A:VAL:HG11	19	0.74
(1,421)	1:73:A:LYS:HB2	1:74:A:VAL:HG12	19	0.74
(1,421)	1:73:A:LYS:HB2	1:74:A:VAL:HG13	19	0.74
(1,421)	1:73:A:LYS:HB3	1:74:A:VAL:HG11	19	0.74
(1,421)	1:73:A:LYS:HB3	1:74:A:VAL:HG12	19	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,421)	1:73:A:LYS:HB3	1:74:A:VAL:HG13	19	0.74
(1,311)	1:33:A:GLU:H	1:33:A:GLU:HG2	12	0.74
(1,311)	1:33:A:GLU:H	1:33:A:GLU:HG2	15	0.74
(1,304)	1:56:A:PRO:HB3	1:79:A:ALA:HA	19	0.74
(1,296)	1:63:A:SER:HB3	1:76:A:GLU:HG2	16	0.74
(1,296)	1:63:A:SER:HB3	1:76:A:GLU:HG3	16	0.74
(1,209)	1:42:A:LEU:HD11	1:44:A:GLU:HG3	15	0.74
(1,209)	1:42:A:LEU:HD12	1:44:A:GLU:HG3	15	0.74
(1,209)	1:42:A:LEU:HD13	1:44:A:GLU:HG3	15	0.74
(1,200)	1:62:A:ARG:HG2	1:91:A:ILE:HB	16	0.74
(1,142)	1:59:A:PHE:HB2	1:60:A:ILE:HG12	6	0.74
(1,2524)	1:99:A:HIS:HD2	1:101:A:GLY:HA3	6	0.73
(1,2524)	1:99:A:HIS:HD2	1:101:A:GLY:HA3	9	0.73
(1,2524)	1:99:A:HIS:HD2	1:101:A:GLY:HA3	16	0.73
(1,2524)	1:99:A:HIS:HD2	1:101:A:GLY:HA3	19	0.73
(1,2373)	1:55:A:GLN:HE22	1:82:A:ASP:HB2	5	0.73
(1,2257)	1:20:A:PHE:HB3	1:28:A:LEU:H	8	0.73
(1,1581)	1:24:A:VAL:HG11	1:81:A:MET:HE1	15	0.73
(1,1581)	1:24:A:VAL:HG11	1:81:A:MET:HE2	15	0.73
(1,1581)	1:24:A:VAL:HG11	1:81:A:MET:HE3	15	0.73
(1,1581)	1:24:A:VAL:HG12	1:81:A:MET:HE1	15	0.73
(1,1581)	1:24:A:VAL:HG12	1:81:A:MET:HE2	15	0.73
(1,1581)	1:24:A:VAL:HG12	1:81:A:MET:HE3	15	0.73
(1,1581)	1:24:A:VAL:HG13	1:81:A:MET:HE1	15	0.73
(1,1581)	1:24:A:VAL:HG13	1:81:A:MET:HE2	15	0.73
(1,1581)	1:24:A:VAL:HG13	1:81:A:MET:HE3	15	0.73
(1,1142)	1:95:A:VAL:HG11	1:96:A:LEU:H	4	0.73
(1,1142)	1:95:A:VAL:HG12	1:96:A:LEU:H	4	0.73
(1,1142)	1:95:A:VAL:HG13	1:96:A:LEU:H	4	0.73
(1,1026)	1:15:A:VAL:HG21	1:18:A:ARG:HD3	16	0.73
(1,1026)	1:15:A:VAL:HG22	1:18:A:ARG:HD3	16	0.73
(1,1026)	1:15:A:VAL:HG23	1:18:A:ARG:HD3	16	0.73
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD11	1	0.73
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD12	1	0.73
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD13	1	0.73
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD11	2	0.73
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD12	2	0.73
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD13	2	0.73
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD11	3	0.73
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD12	3	0.73
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD13	3	0.73
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD11	6	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD12	6	0.73
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD13	6	0.73
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD11	7	0.73
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD12	7	0.73
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD13	7	0.73
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD11	18	0.73
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD12	18	0.73
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD13	18	0.73
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD11	6	0.73
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD12	6	0.73
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD13	6	0.73
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD11	8	0.73
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD12	8	0.73
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD13	8	0.73
(1,816)	1:63:A:SER:HB3	1:75:A:VAL:H	9	0.73
(1,639)	1:23:A:SER:HB2	1:24:A:VAL:HG21	6	0.73
(1,639)	1:23:A:SER:HB2	1:24:A:VAL:HG22	6	0.73
(1,639)	1:23:A:SER:HB2	1:24:A:VAL:HG23	6	0.73
(1,605)	1:39:A:THR:HB	1:99:A:HIS:HB2	1	0.73
(1,605)	1:39:A:THR:HB	1:99:A:HIS:HB2	7	0.73
(1,590)	1:85:A:GLN:HB3	1:86:A:TYR:HE1	6	0.73
(1,590)	1:85:A:GLN:HB3	1:86:A:TYR:HE2	6	0.73
(1,494)	1:7:A:LEU:HD11	1:40:A:CYS:HB2	12	0.73
(1,494)	1:7:A:LEU:HD12	1:40:A:CYS:HB2	12	0.73
(1,494)	1:7:A:LEU:HD13	1:40:A:CYS:HB2	12	0.73
(1,435)	1:42:A:LEU:HD11	1:108:A:ARG:HB2	7	0.73
(1,435)	1:42:A:LEU:HD12	1:108:A:ARG:HB2	7	0.73
(1,435)	1:42:A:LEU:HD13	1:108:A:ARG:HB2	7	0.73
(1,421)	1:73:A:LYS:HB2	1:74:A:VAL:HG11	8	0.73
(1,421)	1:73:A:LYS:HB2	1:74:A:VAL:HG12	8	0.73
(1,421)	1:73:A:LYS:HB2	1:74:A:VAL:HG13	8	0.73
(1,421)	1:73:A:LYS:HB3	1:74:A:VAL:HG11	8	0.73
(1,421)	1:73:A:LYS:HB3	1:74:A:VAL:HG12	8	0.73
(1,421)	1:73:A:LYS:HB3	1:74:A:VAL:HG13	8	0.73
(1,421)	1:73:A:LYS:HB2	1:74:A:VAL:HG11	17	0.73
(1,421)	1:73:A:LYS:HB2	1:74:A:VAL:HG12	17	0.73
(1,421)	1:73:A:LYS:HB2	1:74:A:VAL:HG13	17	0.73
(1,421)	1:73:A:LYS:HB3	1:74:A:VAL:HG11	17	0.73
(1,421)	1:73:A:LYS:HB3	1:74:A:VAL:HG12	17	0.73
(1,421)	1:73:A:LYS:HB3	1:74:A:VAL:HG13	17	0.73
(1,393)	1:53:A:LEU:HD11	1:97:A:VAL:HB	2	0.73
(1,393)	1:53:A:LEU:HD12	1:97:A:VAL:HB	2	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,393)	1:53:A:LEU:HD13	1:97:A:VAL:HB	2	0.73
(1,365)	1:55:A:GLN:H	1:55:A:GLN:HG3	2	0.73
(1,204)	1:43:A:VAL:HA	1:44:A:GLU:HG2	3	0.73
(1,145)	1:65:A:ALA:HA	1:66:A:LEU:HB2	10	0.73
(1,139)	1:63:A:SER:HB2	1:66:A:LEU:HB2	12	0.73
(1,15)	1:9:A:VAL:HG11	1:42:A:LEU:HB2	11	0.73
(1,15)	1:9:A:VAL:HG12	1:42:A:LEU:HB2	11	0.73
(1,15)	1:9:A:VAL:HG13	1:42:A:LEU:HB2	11	0.73
(1,2524)	1:99:A:HIS:HD2	1:101:A:GLY:HA3	1	0.72
(1,2524)	1:99:A:HIS:HD2	1:101:A:GLY:HA3	2	0.72
(1,2524)	1:99:A:HIS:HD2	1:101:A:GLY:HA3	11	0.72
(1,2524)	1:99:A:HIS:HD2	1:101:A:GLY:HA3	15	0.72
(1,2524)	1:99:A:HIS:HD2	1:101:A:GLY:HA3	18	0.72
(1,2351)	1:4:A:GLN:HE22	1:5:A:LEU:H	10	0.72
(1,2243)	1:63:A:SER:HB3	1:76:A:GLU:H	15	0.72
(1,2110)	1:36:A:LYS:H	1:37:A:ASN:HB3	10	0.72
(1,1392)	1:65:A:ALA:HB1	1:66:A:LEU:HD21	13	0.72
(1,1392)	1:65:A:ALA:HB1	1:66:A:LEU:HD22	13	0.72
(1,1392)	1:65:A:ALA:HB1	1:66:A:LEU:HD23	13	0.72
(1,1392)	1:65:A:ALA:HB2	1:66:A:LEU:HD21	13	0.72
(1,1392)	1:65:A:ALA:HB2	1:66:A:LEU:HD22	13	0.72
(1,1392)	1:65:A:ALA:HB2	1:66:A:LEU:HD23	13	0.72
(1,1392)	1:65:A:ALA:HB3	1:66:A:LEU:HD21	13	0.72
(1,1392)	1:65:A:ALA:HB3	1:66:A:LEU:HD22	13	0.72
(1,1392)	1:65:A:ALA:HB3	1:66:A:LEU:HD23	13	0.72
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG11	12	0.72
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG12	12	0.72
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG13	12	0.72
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG11	12	0.72
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG12	12	0.72
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG13	12	0.72
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG11	12	0.72
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG12	12	0.72
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG13	12	0.72
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG11	15	0.72
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG12	15	0.72
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG13	15	0.72
(1,1181)	1:74:A:VAL:HG21	1:75:A:VAL:H	1	0.72
(1,1181)	1:74:A:VAL:HG22	1:75:A:VAL:H	1	0.72
(1,1181)	1:74:A:VAL:HG23	1:75:A:VAL:H	1	0.72
(1,1151)	1:10:A:LEU:HD21	1:41:A:GLY:HA2	2	0.72
(1,1151)	1:10:A:LEU:HD22	1:41:A:GLY:HA2	2	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1151)	1:10:A:LEU:HD23	1:41:A:GLY:HA2	2	0.72
(1,1073)	1:12:A:VAL:HA	1:53:A:LEU:HD11	17	0.72
(1,1073)	1:12:A:VAL:HA	1:53:A:LEU:HD12	17	0.72
(1,1073)	1:12:A:VAL:HA	1:53:A:LEU:HD13	17	0.72
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG11	10	0.72
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG12	10	0.72
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG13	10	0.72
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG11	18	0.72
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG12	18	0.72
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG13	18	0.72
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG11	20	0.72
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG12	20	0.72
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG13	20	0.72
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD11	4	0.72
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD12	4	0.72
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD13	4	0.72
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD11	9	0.72
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD12	9	0.72
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD13	9	0.72
(1,890)	1:7:A:LEU:HD11	1:8:A:PRO:HD2	16	0.72
(1,890)	1:7:A:LEU:HD12	1:8:A:PRO:HD2	16	0.72
(1,890)	1:7:A:LEU:HD13	1:8:A:PRO:HD2	16	0.72
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD11	3	0.72
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD12	3	0.72
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD13	3	0.72
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD11	13	0.72
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD12	13	0.72
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD13	13	0.72
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD21	1	0.72
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD22	1	0.72
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD23	1	0.72
(1,826)	1:45:A:LEU:HD11	1:50:A:LEU:HD21	3	0.72
(1,826)	1:45:A:LEU:HD11	1:50:A:LEU:HD22	3	0.72
(1,826)	1:45:A:LEU:HD11	1:50:A:LEU:HD23	3	0.72
(1,826)	1:45:A:LEU:HD12	1:50:A:LEU:HD21	3	0.72
(1,826)	1:45:A:LEU:HD12	1:50:A:LEU:HD22	3	0.72
(1,826)	1:45:A:LEU:HD12	1:50:A:LEU:HD23	3	0.72
(1,826)	1:45:A:LEU:HD13	1:50:A:LEU:HD21	3	0.72
(1,826)	1:45:A:LEU:HD13	1:50:A:LEU:HD22	3	0.72
(1,826)	1:45:A:LEU:HD13	1:50:A:LEU:HD23	3	0.72
(1,605)	1:39:A:THR:HB	1:99:A:HIS:HB2	5	0.72
(1,568)	1:10:A:LEU:HA	1:11:A:GLN:HB3	14	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,537)	1:18:A:ARG:HB2	1:53:A:LEU:HD11	16	0.72
(1,537)	1:18:A:ARG:HB2	1:53:A:LEU:HD12	16	0.72
(1,537)	1:18:A:ARG:HB2	1:53:A:LEU:HD13	16	0.72
(1,450)	1:8:A:PRO:HB3	1:41:A:GLY:HA3	5	0.72
(1,421)	1:73:A:LYS:HB2	1:74:A:VAL:HG11	13	0.72
(1,421)	1:73:A:LYS:HB2	1:74:A:VAL:HG12	13	0.72
(1,421)	1:73:A:LYS:HB2	1:74:A:VAL:HG13	13	0.72
(1,421)	1:73:A:LYS:HB3	1:74:A:VAL:HG11	13	0.72
(1,421)	1:73:A:LYS:HB3	1:74:A:VAL:HG12	13	0.72
(1,421)	1:73:A:LYS:HB3	1:74:A:VAL:HG13	13	0.72
(1,142)	1:59:A:PHE:HB2	1:60:A:ILE:HG12	11	0.72
(1,126)	1:25:A:GLU:HG3	1:28:A:LEU:HB2	8	0.72
(1,126)	1:25:A:GLU:HG3	1:28:A:LEU:HB3	8	0.72
(1,2524)	1:99:A:HIS:HD2	1:101:A:GLY:HA3	10	0.71
(1,2524)	1:99:A:HIS:HD2	1:101:A:GLY:HA3	13	0.71
(1,2372)	1:55:A:GLN:HE22	1:56:A:PRO:HD3	2	0.71
(1,2352)	1:4:A:GLN:HE22	1:111:A:LEU:HD11	7	0.71
(1,2352)	1:4:A:GLN:HE22	1:111:A:LEU:HD12	7	0.71
(1,2352)	1:4:A:GLN:HE22	1:111:A:LEU:HD13	7	0.71
(1,2325)	1:48:A:GLY:HA2	1:52:A:GLN:HE22	7	0.71
(1,2325)	1:48:A:GLY:HA2	1:52:A:GLN:HE22	14	0.71
(1,2257)	1:20:A:PHE:HB3	1:28:A:LEU:H	4	0.71
(1,2235)	1:20:A:PHE:H	1:30:A:GLU:HB3	2	0.71
(1,2235)	1:20:A:PHE:H	1:30:A:GLU:HB3	18	0.71
(1,2184)	1:34:A:HIS:H	1:40:A:CYS:HB3	7	0.71
(1,2184)	1:34:A:HIS:H	1:40:A:CYS:HB3	20	0.71
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG11	1	0.71
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG12	1	0.71
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG13	1	0.71
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG11	9	0.71
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG12	9	0.71
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG13	9	0.71
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG11	12	0.71
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG12	12	0.71
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG13	12	0.71
(1,1163)	1:3:A:VAL:HA	1:4:A:GLN:HB3	3	0.71
(1,1163)	1:3:A:VAL:HA	1:4:A:GLN:HB3	19	0.71
(1,1155)	1:9:A:VAL:HA	1:42:A:LEU:HB2	4	0.71
(1,1155)	1:9:A:VAL:HA	1:42:A:LEU:HB2	11	0.71
(1,1151)	1:10:A:LEU:HD21	1:41:A:GLY:HA2	16	0.71
(1,1151)	1:10:A:LEU:HD22	1:41:A:GLY:HA2	16	0.71
(1,1151)	1:10:A:LEU:HD23	1:41:A:GLY:HA2	16	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1027)	1:15:A:VAL:HG21	1:18:A:ARG:HG2	3	0.71
(1,1027)	1:15:A:VAL:HG22	1:18:A:ARG:HG2	3	0.71
(1,1027)	1:15:A:VAL:HG23	1:18:A:ARG:HG2	3	0.71
(1,1027)	1:15:A:VAL:HG21	1:18:A:ARG:HG2	12	0.71
(1,1027)	1:15:A:VAL:HG22	1:18:A:ARG:HG2	12	0.71
(1,1027)	1:15:A:VAL:HG23	1:18:A:ARG:HG2	12	0.71
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG11	6	0.71
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG12	6	0.71
(1,980)	1:11:A:GLN:H	1:15:A:VAL:HG13	6	0.71
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG11	8	0.71
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG12	8	0.71
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG13	8	0.71
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD11	12	0.71
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD12	12	0.71
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD13	12	0.71
(1,847)	1:42:A:LEU:HD21	1:43:A:VAL:H	7	0.71
(1,847)	1:42:A:LEU:HD22	1:43:A:VAL:H	7	0.71
(1,847)	1:42:A:LEU:HD23	1:43:A:VAL:H	7	0.71
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD11	7	0.71
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD12	7	0.71
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD13	7	0.71
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD11	11	0.71
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD12	11	0.71
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD13	11	0.71
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD11	17	0.71
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD12	17	0.71
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD13	17	0.71
(1,568)	1:10:A:LEU:HA	1:11:A:GLN:HB3	7	0.71
(1,532)	1:10:A:LEU:HB2	1:102:A:GLU:HB2	16	0.71
(1,464)	1:51:A:PRO:HB3	1:52:A:GLN:HG2	7	0.71
(1,450)	1:8:A:PRO:HB3	1:41:A:GLY:HA3	12	0.71
(1,204)	1:43:A:VAL:HA	1:44:A:GLU:HG2	9	0.71
(1,204)	1:43:A:VAL:HA	1:44:A:GLU:HG2	16	0.71
(1,142)	1:59:A:PHE:HB2	1:60:A:ILE:HG12	20	0.71
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG11	3	0.71
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG12	3	0.71
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG13	3	0.71
(1,2524)	1:99:A:HIS:HD2	1:101:A:GLY:HA3	7	0.7
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG11	1	0.7
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG12	1	0.7
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG13	1	0.7
(1,2110)	1:36:A:LYS:H	1:37:A:ASN:HB3	3	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2110)	1:36:A:LYS:H	1:37:A:ASN:HB3	15	0.7
(1,1782)	1:5:A:LEU:H	1:112:A:LEU:HB3	7	0.7
(1,1710)	1:7:A:LEU:HA	1:41:A:GLY:HA3	2	0.7
(1,1621)	1:63:A:SER:HB2	1:64:A:ASP:HA	8	0.7
(1,1387)	1:15:A:VAL:HG21	1:97:A:VAL:HA	4	0.7
(1,1387)	1:15:A:VAL:HG22	1:97:A:VAL:HA	4	0.7
(1,1387)	1:15:A:VAL:HG23	1:97:A:VAL:HA	4	0.7
(1,1151)	1:10:A:LEU:HD21	1:41:A:GLY:HA2	11	0.7
(1,1151)	1:10:A:LEU:HD22	1:41:A:GLY:HA2	11	0.7
(1,1151)	1:10:A:LEU:HD23	1:41:A:GLY:HA2	11	0.7
(1,1088)	1:17:A:VAL:HG11	1:18:A:ARG:H	7	0.7
(1,1088)	1:17:A:VAL:HG12	1:18:A:ARG:H	7	0.7
(1,1088)	1:17:A:VAL:HG13	1:18:A:ARG:H	7	0.7
(1,1027)	1:15:A:VAL:HG21	1:18:A:ARG:HG2	11	0.7
(1,1027)	1:15:A:VAL:HG22	1:18:A:ARG:HG2	11	0.7
(1,1027)	1:15:A:VAL:HG23	1:18:A:ARG:HG2	11	0.7
(1,1020)	1:66:A:LEU:HA	1:66:A:LEU:HD21	13	0.7
(1,1020)	1:66:A:LEU:HA	1:66:A:LEU:HD22	13	0.7
(1,1020)	1:66:A:LEU:HA	1:66:A:LEU:HD23	13	0.7
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG11	12	0.7
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG12	12	0.7
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG13	12	0.7
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG11	12	0.7
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG12	12	0.7
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG13	12	0.7
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG11	6	0.7
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG12	6	0.7
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG13	6	0.7
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG11	19	0.7
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG12	19	0.7
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG13	19	0.7
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD11	4	0.7
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD12	4	0.7
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD13	4	0.7
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD21	10	0.7
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD22	10	0.7
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD23	10	0.7
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD21	19	0.7
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD22	19	0.7
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD23	19	0.7
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD21	8	0.7
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD22	8	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD23	8	0.7
(1,568)	1:10:A:LEU:HA	1:11:A:GLN:HB3	11	0.7
(1,450)	1:8:A:PRO:HB3	1:41:A:GLY:HA3	11	0.7
(1,437)	1:42:A:LEU:HD11	1:108:A:ARG:HB3	6	0.7
(1,437)	1:42:A:LEU:HD12	1:108:A:ARG:HB3	6	0.7
(1,437)	1:42:A:LEU:HD13	1:108:A:ARG:HB3	6	0.7
(1,52)	1:42:A:LEU:HD21	1:94:A:GLY:HA2	10	0.7
(1,52)	1:42:A:LEU:HD22	1:94:A:GLY:HA2	10	0.7
(1,52)	1:42:A:LEU:HD23	1:94:A:GLY:HA2	10	0.7
(1,52)	1:42:A:LEU:HD21	1:94:A:GLY:HA2	20	0.7
(1,52)	1:42:A:LEU:HD22	1:94:A:GLY:HA2	20	0.7
(1,52)	1:42:A:LEU:HD23	1:94:A:GLY:HA2	20	0.7
(1,44)	1:48:A:GLY:HA3	1:51:A:PRO:HD3	1	0.7
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG11	7	0.7
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG12	7	0.7
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG13	7	0.7
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG11	14	0.7
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG12	14	0.7
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG13	14	0.7
(1,2257)	1:20:A:PHE:HB3	1:28:A:LEU:H	18	0.69
(1,2235)	1:20:A:PHE:H	1:30:A:GLU:HB3	13	0.69
(1,2100)	1:63:A:SER:HB2	1:66:A:LEU:H	9	0.69
(1,2097)	1:3:A:VAL:H	1:112:A:LEU:HB2	8	0.69
(1,1322)	1:60:A:ILE:HG21	1:78:A:VAL:HG21	14	0.69
(1,1322)	1:60:A:ILE:HG21	1:78:A:VAL:HG22	14	0.69
(1,1322)	1:60:A:ILE:HG21	1:78:A:VAL:HG23	14	0.69
(1,1322)	1:60:A:ILE:HG22	1:78:A:VAL:HG21	14	0.69
(1,1322)	1:60:A:ILE:HG22	1:78:A:VAL:HG22	14	0.69
(1,1322)	1:60:A:ILE:HG22	1:78:A:VAL:HG23	14	0.69
(1,1322)	1:60:A:ILE:HG23	1:78:A:VAL:HG21	14	0.69
(1,1322)	1:60:A:ILE:HG23	1:78:A:VAL:HG22	14	0.69
(1,1322)	1:60:A:ILE:HG23	1:78:A:VAL:HG23	14	0.69
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG11	17	0.69
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG12	17	0.69
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG13	17	0.69
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG11	9	0.69
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG12	9	0.69
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG13	9	0.69
(1,1155)	1:9:A:VAL:HA	1:42:A:LEU:HB2	12	0.69
(1,1140)	1:24:A:VAL:HG11	1:81:A:MET:HA	1	0.69
(1,1140)	1:24:A:VAL:HG12	1:81:A:MET:HA	1	0.69
(1,1140)	1:24:A:VAL:HG13	1:81:A:MET:HA	1	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1103)	1:49:A:VAL:HB	1:50:A:LEU:HD21	3	0.69
(1,1103)	1:49:A:VAL:HB	1:50:A:LEU:HD22	3	0.69
(1,1103)	1:49:A:VAL:HB	1:50:A:LEU:HD23	3	0.69
(1,1103)	1:49:A:VAL:HB	1:50:A:LEU:HD21	14	0.69
(1,1103)	1:49:A:VAL:HB	1:50:A:LEU:HD22	14	0.69
(1,1103)	1:49:A:VAL:HB	1:50:A:LEU:HD23	14	0.69
(1,1091)	1:58:A:VAL:HG21	1:59:A:PHE:H	7	0.69
(1,1091)	1:58:A:VAL:HG22	1:59:A:PHE:H	7	0.69
(1,1091)	1:58:A:VAL:HG23	1:59:A:PHE:H	7	0.69
(1,1088)	1:17:A:VAL:HG11	1:18:A:ARG:H	12	0.69
(1,1088)	1:17:A:VAL:HG12	1:18:A:ARG:H	12	0.69
(1,1088)	1:17:A:VAL:HG13	1:18:A:ARG:H	12	0.69
(1,1034)	1:8:A:PRO:HB3	1:104:A:PRO:HA	4	0.69
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG11	20	0.69
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG12	20	0.69
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG13	20	0.69
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG11	20	0.69
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG12	20	0.69
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG13	20	0.69
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG11	1	0.69
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG12	1	0.69
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG13	1	0.69
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG11	4	0.69
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG12	4	0.69
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG13	4	0.69
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG11	9	0.69
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG12	9	0.69
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG13	9	0.69
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG11	12	0.69
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG12	12	0.69
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG13	12	0.69
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG11	14	0.69
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG12	14	0.69
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG13	14	0.69
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD11	10	0.69
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD12	10	0.69
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD13	10	0.69
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD11	10	0.69
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD12	10	0.69
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD13	10	0.69
(1,835)	1:42:A:LEU:HD21	1:60:A:ILE:HG12	12	0.69
(1,835)	1:42:A:LEU:HD22	1:60:A:ILE:HG12	12	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,835)	1:42:A:LEU:HD23	1:60:A:ILE:HG12	12	0.69
(1,552)	1:17:A:VAL:HG11	1:18:A:ARG:HG2	9	0.69
(1,552)	1:17:A:VAL:HG12	1:18:A:ARG:HG2	9	0.69
(1,552)	1:17:A:VAL:HG13	1:18:A:ARG:HG2	9	0.69
(1,450)	1:8:A:PRO:HB3	1:41:A:GLY:HA3	10	0.69
(1,450)	1:8:A:PRO:HB3	1:41:A:GLY:HA3	13	0.69
(1,428)	1:63:A:SER:HB3	1:74:A:VAL:HB	9	0.69
(1,371)	1:76:A:GLU:HB3	1:112:A:LEU:HD21	1	0.69
(1,371)	1:76:A:GLU:HB3	1:112:A:LEU:HD22	1	0.69
(1,371)	1:76:A:GLU:HB3	1:112:A:LEU:HD23	1	0.69
(1,311)	1:33:A:GLU:H	1:33:A:GLU:HG2	4	0.69
(1,235)	1:23:A:SER:HB3	1:26:A:GLU:HG2	14	0.69
(1,56)	1:100:A:VAL:HG11	1:101:A:GLY:HA2	13	0.69
(1,56)	1:100:A:VAL:HG12	1:101:A:GLY:HA2	13	0.69
(1,56)	1:100:A:VAL:HG13	1:101:A:GLY:HA2	13	0.69
(1,2325)	1:48:A:GLY:HA2	1:52:A:GLN:HE22	10	0.68
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG11	4	0.68
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG12	4	0.68
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG13	4	0.68
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG11	9	0.68
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG12	9	0.68
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG13	9	0.68
(1,2196)	1:13:A:ARG:H	1:13:A:ARG:HB2	13	0.68
(1,1233)	1:103:A:THR:HG21	1:104:A:PRO:HD3	2	0.68
(1,1233)	1:103:A:THR:HG22	1:104:A:PRO:HD3	2	0.68
(1,1233)	1:103:A:THR:HG23	1:104:A:PRO:HD3	2	0.68
(1,1233)	1:103:A:THR:HG21	1:104:A:PRO:HD3	6	0.68
(1,1233)	1:103:A:THR:HG22	1:104:A:PRO:HD3	6	0.68
(1,1233)	1:103:A:THR:HG23	1:104:A:PRO:HD3	6	0.68
(1,1163)	1:3:A:VAL:HA	1:4:A:GLN:HB3	5	0.68
(1,1091)	1:58:A:VAL:HG21	1:59:A:PHE:H	8	0.68
(1,1091)	1:58:A:VAL:HG22	1:59:A:PHE:H	8	0.68
(1,1091)	1:58:A:VAL:HG23	1:59:A:PHE:H	8	0.68
(1,1091)	1:58:A:VAL:HG21	1:59:A:PHE:H	12	0.68
(1,1091)	1:58:A:VAL:HG22	1:59:A:PHE:H	12	0.68
(1,1091)	1:58:A:VAL:HG23	1:59:A:PHE:H	12	0.68
(1,1091)	1:58:A:VAL:HG21	1:59:A:PHE:H	14	0.68
(1,1091)	1:58:A:VAL:HG22	1:59:A:PHE:H	14	0.68
(1,1091)	1:58:A:VAL:HG23	1:59:A:PHE:H	14	0.68
(1,983)	1:96:A:LEU:HD21	1:97:A:VAL:H	15	0.68
(1,983)	1:96:A:LEU:HD22	1:97:A:VAL:H	15	0.68
(1,983)	1:96:A:LEU:HD23	1:97:A:VAL:H	15	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG11	18	0.68
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG12	18	0.68
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG13	18	0.68
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG11	5	0.68
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG12	5	0.68
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG13	5	0.68
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG11	6	0.68
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG12	6	0.68
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG13	6	0.68
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG11	7	0.68
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG12	7	0.68
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG13	7	0.68
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG11	8	0.68
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG12	8	0.68
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG13	8	0.68
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG11	15	0.68
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG12	15	0.68
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG13	15	0.68
(1,888)	1:7:A:LEU:HD11	1:40:A:CYS:HA	20	0.68
(1,888)	1:7:A:LEU:HD12	1:40:A:CYS:HA	20	0.68
(1,888)	1:7:A:LEU:HD13	1:40:A:CYS:HA	20	0.68
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD11	18	0.68
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD12	18	0.68
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD13	18	0.68
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD11	9	0.68
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD12	9	0.68
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD13	9	0.68
(1,707)	1:42:A:LEU:HD11	1:108:A:ARG:HG2	16	0.68
(1,707)	1:42:A:LEU:HD12	1:108:A:ARG:HG2	16	0.68
(1,707)	1:42:A:LEU:HD13	1:108:A:ARG:HG2	16	0.68
(1,605)	1:39:A:THR:HB	1:99:A:HIS:HB2	4	0.68
(1,464)	1:51:A:PRO:HB3	1:52:A:GLN:HG2	18	0.68
(1,435)	1:42:A:LEU:HD11	1:108:A:ARG:HB2	18	0.68
(1,435)	1:42:A:LEU:HD12	1:108:A:ARG:HB2	18	0.68
(1,435)	1:42:A:LEU:HD13	1:108:A:ARG:HB2	18	0.68
(1,318)	1:33:A:GLU:HG3	1:37:A:ASN:HD21	15	0.68
(1,318)	1:33:A:GLU:HG3	1:37:A:ASN:HD22	15	0.68
(1,311)	1:33:A:GLU:H	1:33:A:GLU:HG2	7	0.68
(1,243)	1:24:A:VAL:HG21	1:25:A:GLU:HG2	16	0.68
(1,243)	1:24:A:VAL:HG22	1:25:A:GLU:HG2	16	0.68
(1,243)	1:24:A:VAL:HG23	1:25:A:GLU:HG2	16	0.68
(1,43)	1:47:A:LYS:HG3	1:48:A:GLY:HA3	5	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG11	17	0.68
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG12	17	0.68
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG13	17	0.68
(1,2325)	1:48:A:GLY:HA2	1:52:A:GLN:HE22	17	0.67
(1,2196)	1:13:A:ARG:H	1:13:A:ARG:HB2	15	0.67
(1,1995)	1:10:A:LEU:HB2	1:11:A:GLN:H	8	0.67
(1,1728)	1:7:A:LEU:HD11	1:8:A:PRO:HD3	1	0.67
(1,1728)	1:7:A:LEU:HD12	1:8:A:PRO:HD3	1	0.67
(1,1728)	1:7:A:LEU:HD13	1:8:A:PRO:HD3	1	0.67
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB1	20	0.67
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB2	20	0.67
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB3	20	0.67
(1,1279)	1:24:A:VAL:HG21	1:79:A:ALA:H	2	0.67
(1,1279)	1:24:A:VAL:HG22	1:79:A:ALA:H	2	0.67
(1,1279)	1:24:A:VAL:HG23	1:79:A:ALA:H	2	0.67
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG11	6	0.67
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG12	6	0.67
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG13	6	0.67
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG11	6	0.67
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG12	6	0.67
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG13	6	0.67
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG11	6	0.67
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG12	6	0.67
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG13	6	0.67
(1,1233)	1:103:A:THR:HG21	1:104:A:PRO:HD3	12	0.67
(1,1233)	1:103:A:THR:HG22	1:104:A:PRO:HD3	12	0.67
(1,1233)	1:103:A:THR:HG23	1:104:A:PRO:HD3	12	0.67
(1,1233)	1:103:A:THR:HG21	1:104:A:PRO:HD3	16	0.67
(1,1233)	1:103:A:THR:HG22	1:104:A:PRO:HD3	16	0.67
(1,1233)	1:103:A:THR:HG23	1:104:A:PRO:HD3	16	0.67
(1,1233)	1:103:A:THR:HG21	1:104:A:PRO:HD3	17	0.67
(1,1233)	1:103:A:THR:HG22	1:104:A:PRO:HD3	17	0.67
(1,1233)	1:103:A:THR:HG23	1:104:A:PRO:HD3	17	0.67
(1,1233)	1:103:A:THR:HG21	1:104:A:PRO:HD3	19	0.67
(1,1233)	1:103:A:THR:HG22	1:104:A:PRO:HD3	19	0.67
(1,1233)	1:103:A:THR:HG23	1:104:A:PRO:HD3	19	0.67
(1,1166)	1:100:A:VAL:HG11	1:101:A:GLY:HA3	16	0.67
(1,1166)	1:100:A:VAL:HG12	1:101:A:GLY:HA3	16	0.67
(1,1166)	1:100:A:VAL:HG13	1:101:A:GLY:HA3	16	0.67
(1,1091)	1:58:A:VAL:HG21	1:59:A:PHE:H	4	0.67
(1,1091)	1:58:A:VAL:HG22	1:59:A:PHE:H	4	0.67
(1,1091)	1:58:A:VAL:HG23	1:59:A:PHE:H	4	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1027)	1:15:A:VAL:HG21	1:18:A:ARG:HG2	6	0.67
(1,1027)	1:15:A:VAL:HG22	1:18:A:ARG:HG2	6	0.67
(1,1027)	1:15:A:VAL:HG23	1:18:A:ARG:HG2	6	0.67
(1,1020)	1:66:A:LEU:HA	1:66:A:LEU:HD21	20	0.67
(1,1020)	1:66:A:LEU:HA	1:66:A:LEU:HD22	20	0.67
(1,1020)	1:66:A:LEU:HA	1:66:A:LEU:HD23	20	0.67
(1,983)	1:96:A:LEU:HD21	1:97:A:VAL:H	4	0.67
(1,983)	1:96:A:LEU:HD22	1:97:A:VAL:H	4	0.67
(1,983)	1:96:A:LEU:HD23	1:97:A:VAL:H	4	0.67
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG11	13	0.67
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG12	13	0.67
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG13	13	0.67
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG11	16	0.67
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG12	16	0.67
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG13	16	0.67
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG11	17	0.67
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG12	17	0.67
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG13	17	0.67
(1,903)	1:74:A:VAL:HG11	1:111:A:LEU:HD11	11	0.67
(1,903)	1:74:A:VAL:HG11	1:111:A:LEU:HD12	11	0.67
(1,903)	1:74:A:VAL:HG11	1:111:A:LEU:HD13	11	0.67
(1,903)	1:74:A:VAL:HG12	1:111:A:LEU:HD11	11	0.67
(1,903)	1:74:A:VAL:HG12	1:111:A:LEU:HD12	11	0.67
(1,903)	1:74:A:VAL:HG12	1:111:A:LEU:HD13	11	0.67
(1,903)	1:74:A:VAL:HG13	1:111:A:LEU:HD11	11	0.67
(1,903)	1:74:A:VAL:HG13	1:111:A:LEU:HD12	11	0.67
(1,903)	1:74:A:VAL:HG13	1:111:A:LEU:HD13	11	0.67
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD11	17	0.67
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD12	17	0.67
(1,892)	1:7:A:LEU:HA	1:7:A:LEU:HD13	17	0.67
(1,876)	1:20:A:PHE:HE1	1:35:A:LEU:HD11	6	0.67
(1,876)	1:20:A:PHE:HE1	1:35:A:LEU:HD12	6	0.67
(1,876)	1:20:A:PHE:HE1	1:35:A:LEU:HD13	6	0.67
(1,876)	1:20:A:PHE:HE2	1:35:A:LEU:HD11	6	0.67
(1,876)	1:20:A:PHE:HE2	1:35:A:LEU:HD12	6	0.67
(1,876)	1:20:A:PHE:HE2	1:35:A:LEU:HD13	6	0.67
(1,847)	1:42:A:LEU:HD21	1:43:A:VAL:H	6	0.67
(1,847)	1:42:A:LEU:HD22	1:43:A:VAL:H	6	0.67
(1,847)	1:42:A:LEU:HD23	1:43:A:VAL:H	6	0.67
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD11	2	0.67
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD12	2	0.67
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD13	2	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD21	7	0.67
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD22	7	0.67
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD23	7	0.67
(1,678)	1:45:A:LEU:HG	1:50:A:LEU:HD21	3	0.67
(1,678)	1:45:A:LEU:HG	1:50:A:LEU:HD22	3	0.67
(1,678)	1:45:A:LEU:HG	1:50:A:LEU:HD23	3	0.67
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG11	9	0.67
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG12	9	0.67
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG13	9	0.67
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB1	11	0.67
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB2	11	0.67
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB3	11	0.67
(1,239)	1:29:A:SER:H	1:30:A:GLU:HG3	13	0.67
(1,225)	1:100:A:VAL:HG11	1:102:A:GLU:HG3	17	0.67
(1,225)	1:100:A:VAL:HG12	1:102:A:GLU:HG3	17	0.67
(1,225)	1:100:A:VAL:HG13	1:102:A:GLU:HG3	17	0.67
(1,142)	1:59:A:PHE:HB2	1:60:A:ILE:HG12	19	0.67
(1,56)	1:100:A:VAL:HG11	1:101:A:GLY:HA2	17	0.67
(1,56)	1:100:A:VAL:HG12	1:101:A:GLY:HA2	17	0.67
(1,56)	1:100:A:VAL:HG13	1:101:A:GLY:HA2	17	0.67
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG11	20	0.67
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG12	20	0.67
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG13	20	0.67
(1,2325)	1:48:A:GLY:HA2	1:52:A:GLN:HE22	18	0.66
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG11	17	0.66
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG12	17	0.66
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG13	17	0.66
(1,2238)	1:20:A:PHE:H	1:98:A:PRO:HD2	11	0.66
(1,2110)	1:36:A:LYS:H	1:37:A:ASN:HB3	16	0.66
(1,1782)	1:5:A:LEU:H	1:112:A:LEU:HB3	14	0.66
(1,1642)	1:2:A:HIS:HB2	1:112:A:LEU:HA	11	0.66
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG11	19	0.66
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG12	19	0.66
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG13	19	0.66
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG11	19	0.66
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG12	19	0.66
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG13	19	0.66
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG11	19	0.66
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG12	19	0.66
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG13	19	0.66
(1,1233)	1:103:A:THR:HG21	1:104:A:PRO:HD3	4	0.66
(1,1233)	1:103:A:THR:HG22	1:104:A:PRO:HD3	4	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1233)	1:103:A:THR:HG23	1:104:A:PRO:HD3	4	0.66
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG11	11	0.66
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG12	11	0.66
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG13	11	0.66
(1,1185)	1:2:A:HIS:HB2	1:74:A:VAL:HG21	5	0.66
(1,1185)	1:2:A:HIS:HB2	1:74:A:VAL:HG22	5	0.66
(1,1185)	1:2:A:HIS:HB2	1:74:A:VAL:HG23	5	0.66
(1,1017)	1:24:A:VAL:HG21	1:79:A:ALA:HB1	10	0.66
(1,1017)	1:24:A:VAL:HG21	1:79:A:ALA:HB2	10	0.66
(1,1017)	1:24:A:VAL:HG21	1:79:A:ALA:HB3	10	0.66
(1,1017)	1:24:A:VAL:HG22	1:79:A:ALA:HB1	10	0.66
(1,1017)	1:24:A:VAL:HG22	1:79:A:ALA:HB2	10	0.66
(1,1017)	1:24:A:VAL:HG22	1:79:A:ALA:HB3	10	0.66
(1,1017)	1:24:A:VAL:HG23	1:79:A:ALA:HB1	10	0.66
(1,1017)	1:24:A:VAL:HG23	1:79:A:ALA:HB2	10	0.66
(1,1017)	1:24:A:VAL:HG23	1:79:A:ALA:HB3	10	0.66
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG11	11	0.66
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG12	11	0.66
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG13	11	0.66
(1,890)	1:7:A:LEU:HD11	1:8:A:PRO:HD2	5	0.66
(1,890)	1:7:A:LEU:HD12	1:8:A:PRO:HD2	5	0.66
(1,890)	1:7:A:LEU:HD13	1:8:A:PRO:HD2	5	0.66
(1,847)	1:42:A:LEU:HD21	1:43:A:VAL:H	17	0.66
(1,847)	1:42:A:LEU:HD22	1:43:A:VAL:H	17	0.66
(1,847)	1:42:A:LEU:HD23	1:43:A:VAL:H	17	0.66
(1,835)	1:42:A:LEU:HD21	1:60:A:ILE:HG12	4	0.66
(1,835)	1:42:A:LEU:HD22	1:60:A:ILE:HG12	4	0.66
(1,835)	1:42:A:LEU:HD23	1:60:A:ILE:HG12	4	0.66
(1,815)	1:63:A:SER:HB3	1:75:A:VAL:HA	10	0.66
(1,815)	1:63:A:SER:HB3	1:75:A:VAL:HA	20	0.66
(1,437)	1:42:A:LEU:HD11	1:108:A:ARG:HB3	10	0.66
(1,437)	1:42:A:LEU:HD12	1:108:A:ARG:HB3	10	0.66
(1,437)	1:42:A:LEU:HD13	1:108:A:ARG:HB3	10	0.66
(1,437)	1:42:A:LEU:HD11	1:108:A:ARG:HB3	13	0.66
(1,437)	1:42:A:LEU:HD12	1:108:A:ARG:HB3	13	0.66
(1,437)	1:42:A:LEU:HD13	1:108:A:ARG:HB3	13	0.66
(1,421)	1:73:A:LYS:HB2	1:74:A:VAL:HG11	11	0.66
(1,421)	1:73:A:LYS:HB2	1:74:A:VAL:HG12	11	0.66
(1,421)	1:73:A:LYS:HB2	1:74:A:VAL:HG13	11	0.66
(1,421)	1:73:A:LYS:HB3	1:74:A:VAL:HG11	11	0.66
(1,421)	1:73:A:LYS:HB3	1:74:A:VAL:HG12	11	0.66
(1,421)	1:73:A:LYS:HB3	1:74:A:VAL:HG13	11	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,205)	1:42:A:LEU:HD11	1:44:A:GLU:HG2	2	0.66
(1,205)	1:42:A:LEU:HD12	1:44:A:GLU:HG2	2	0.66
(1,205)	1:42:A:LEU:HD13	1:44:A:GLU:HG2	2	0.66
(1,204)	1:43:A:VAL:HA	1:44:A:GLU:HG2	14	0.66
(1,161)	1:11:A:GLN:HB3	1:14:A:ASP:HB3	7	0.66
(1,142)	1:59:A:PHE:HB2	1:60:A:ILE:HG12	9	0.66
(1,89)	1:29:A:SER:HA	1:32:A:ARG:HD3	8	0.66
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG11	6	0.66
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG12	6	0.66
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG13	6	0.66
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG11	10	0.66
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG12	10	0.66
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG13	10	0.66
(1,2436)	1:6:A:SER:HB2	1:107:A:TYR:HD1	11	0.65
(1,2436)	1:6:A:SER:HB2	1:107:A:TYR:HD2	11	0.65
(1,2359)	1:4:A:GLN:HE21	1:109:A:ASN:HB3	13	0.65
(1,2325)	1:48:A:GLY:HA2	1:52:A:GLN:HE22	11	0.65
(1,1962)	1:42:A:LEU:HD11	1:45:A:LEU:H	8	0.65
(1,1962)	1:42:A:LEU:HD12	1:45:A:LEU:H	8	0.65
(1,1962)	1:42:A:LEU:HD13	1:45:A:LEU:H	8	0.65
(1,1824)	1:10:A:LEU:H	1:42:A:LEU:HB2	16	0.65
(1,1313)	1:16:A:LEU:H	1:17:A:VAL:HG21	2	0.65
(1,1313)	1:16:A:LEU:H	1:17:A:VAL:HG22	2	0.65
(1,1313)	1:16:A:LEU:H	1:17:A:VAL:HG23	2	0.65
(1,1260)	1:24:A:VAL:HG21	1:28:A:LEU:H	5	0.65
(1,1260)	1:24:A:VAL:HG22	1:28:A:LEU:H	5	0.65
(1,1260)	1:24:A:VAL:HG23	1:28:A:LEU:H	5	0.65
(1,1233)	1:103:A:THR:HG21	1:104:A:PRO:HD3	3	0.65
(1,1233)	1:103:A:THR:HG22	1:104:A:PRO:HD3	3	0.65
(1,1233)	1:103:A:THR:HG23	1:104:A:PRO:HD3	3	0.65
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG11	10	0.65
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG12	10	0.65
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG13	10	0.65
(1,1181)	1:74:A:VAL:HG21	1:75:A:VAL:H	7	0.65
(1,1181)	1:74:A:VAL:HG22	1:75:A:VAL:H	7	0.65
(1,1181)	1:74:A:VAL:HG23	1:75:A:VAL:H	7	0.65
(1,1166)	1:100:A:VAL:HG11	1:101:A:GLY:HA3	12	0.65
(1,1166)	1:100:A:VAL:HG12	1:101:A:GLY:HA3	12	0.65
(1,1166)	1:100:A:VAL:HG13	1:101:A:GLY:HA3	12	0.65
(1,1151)	1:10:A:LEU:HD21	1:41:A:GLY:HA2	17	0.65
(1,1151)	1:10:A:LEU:HD22	1:41:A:GLY:HA2	17	0.65
(1,1151)	1:10:A:LEU:HD23	1:41:A:GLY:HA2	17	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1111)	1:95:A:VAL:H	1:95:A:VAL:HG21	4	0.65
(1,1111)	1:95:A:VAL:H	1:95:A:VAL:HG22	4	0.65
(1,1111)	1:95:A:VAL:H	1:95:A:VAL:HG23	4	0.65
(1,1101)	1:58:A:VAL:HG21	1:77:A:LEU:HD21	17	0.65
(1,1101)	1:58:A:VAL:HG21	1:77:A:LEU:HD22	17	0.65
(1,1101)	1:58:A:VAL:HG21	1:77:A:LEU:HD23	17	0.65
(1,1101)	1:58:A:VAL:HG22	1:77:A:LEU:HD21	17	0.65
(1,1101)	1:58:A:VAL:HG22	1:77:A:LEU:HD22	17	0.65
(1,1101)	1:58:A:VAL:HG22	1:77:A:LEU:HD23	17	0.65
(1,1101)	1:58:A:VAL:HG23	1:77:A:LEU:HD21	17	0.65
(1,1101)	1:58:A:VAL:HG23	1:77:A:LEU:HD22	17	0.65
(1,1101)	1:58:A:VAL:HG23	1:77:A:LEU:HD23	17	0.65
(1,1091)	1:58:A:VAL:HG21	1:59:A:PHE:H	2	0.65
(1,1091)	1:58:A:VAL:HG22	1:59:A:PHE:H	2	0.65
(1,1091)	1:58:A:VAL:HG23	1:59:A:PHE:H	2	0.65
(1,1091)	1:58:A:VAL:HG21	1:59:A:PHE:H	11	0.65
(1,1091)	1:58:A:VAL:HG22	1:59:A:PHE:H	11	0.65
(1,1091)	1:58:A:VAL:HG23	1:59:A:PHE:H	11	0.65
(1,1091)	1:58:A:VAL:HG21	1:59:A:PHE:H	19	0.65
(1,1091)	1:58:A:VAL:HG22	1:59:A:PHE:H	19	0.65
(1,1091)	1:58:A:VAL:HG23	1:59:A:PHE:H	19	0.65
(1,1063)	1:53:A:LEU:HA	1:53:A:LEU:HD11	16	0.65
(1,1063)	1:53:A:LEU:HA	1:53:A:LEU:HD12	16	0.65
(1,1063)	1:53:A:LEU:HA	1:53:A:LEU:HD13	16	0.65
(1,1020)	1:66:A:LEU:HA	1:66:A:LEU:HD21	10	0.65
(1,1020)	1:66:A:LEU:HA	1:66:A:LEU:HD22	10	0.65
(1,1020)	1:66:A:LEU:HA	1:66:A:LEU:HD23	10	0.65
(1,983)	1:96:A:LEU:HD21	1:97:A:VAL:H	12	0.65
(1,983)	1:96:A:LEU:HD22	1:97:A:VAL:H	12	0.65
(1,983)	1:96:A:LEU:HD23	1:97:A:VAL:H	12	0.65
(1,916)	1:24:A:VAL:HG11	1:56:A:PRO:HG3	9	0.65
(1,916)	1:24:A:VAL:HG12	1:56:A:PRO:HG3	9	0.65
(1,916)	1:24:A:VAL:HG13	1:56:A:PRO:HG3	9	0.65
(1,847)	1:42:A:LEU:HD21	1:43:A:VAL:H	12	0.65
(1,847)	1:42:A:LEU:HD22	1:43:A:VAL:H	12	0.65
(1,847)	1:42:A:LEU:HD23	1:43:A:VAL:H	12	0.65
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD11	12	0.65
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD12	12	0.65
(1,843)	1:35:A:LEU:HA	1:35:A:LEU:HD13	12	0.65
(1,835)	1:42:A:LEU:HD21	1:60:A:ILE:HG12	16	0.65
(1,835)	1:42:A:LEU:HD22	1:60:A:ILE:HG12	16	0.65
(1,835)	1:42:A:LEU:HD23	1:60:A:ILE:HG12	16	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,814)	1:15:A:VAL:HA	1:102:A:GLU:HG2	6	0.65
(1,742)	1:42:A:LEU:HD21	1:60:A:ILE:HG13	11	0.65
(1,742)	1:42:A:LEU:HD22	1:60:A:ILE:HG13	11	0.65
(1,742)	1:42:A:LEU:HD23	1:60:A:ILE:HG13	11	0.65
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG21	3	0.65
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG22	3	0.65
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG23	3	0.65
(1,435)	1:42:A:LEU:HD11	1:108:A:ARG:HB2	1	0.65
(1,435)	1:42:A:LEU:HD12	1:108:A:ARG:HB2	1	0.65
(1,435)	1:42:A:LEU:HD13	1:108:A:ARG:HB2	1	0.65
(1,435)	1:42:A:LEU:HD11	1:108:A:ARG:HB2	4	0.65
(1,435)	1:42:A:LEU:HD12	1:108:A:ARG:HB2	4	0.65
(1,435)	1:42:A:LEU:HD13	1:108:A:ARG:HB2	4	0.65
(1,311)	1:33:A:GLU:H	1:33:A:GLU:HG2	9	0.65
(1,311)	1:33:A:GLU:H	1:33:A:GLU:HG2	19	0.65
(1,255)	1:20:A:PHE:HB2	1:30:A:GLU:HG2	7	0.65
(1,243)	1:24:A:VAL:HG21	1:25:A:GLU:HG2	9	0.65
(1,243)	1:24:A:VAL:HG22	1:25:A:GLU:HG2	9	0.65
(1,243)	1:24:A:VAL:HG23	1:25:A:GLU:HG2	9	0.65
(1,126)	1:25:A:GLU:HG3	1:28:A:LEU:HB2	18	0.65
(1,126)	1:25:A:GLU:HG3	1:28:A:LEU:HB3	18	0.65
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG11	12	0.65
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG12	12	0.65
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG13	12	0.65
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG11	16	0.65
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG12	16	0.65
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG13	16	0.65
(1,2426)	1:21:A:GLY:H	1:30:A:GLU:HB3	9	0.64
(1,2257)	1:20:A:PHE:HB3	1:28:A:LEU:H	7	0.64
(1,2196)	1:13:A:ARG:H	1:13:A:ARG:HB2	5	0.64
(1,2110)	1:36:A:LYS:H	1:37:A:ASN:HB3	1	0.64
(1,2110)	1:36:A:LYS:H	1:37:A:ASN:HB3	5	0.64
(1,1733)	1:49:A:VAL:HG21	1:51:A:PRO:HD3	17	0.64
(1,1733)	1:49:A:VAL:HG22	1:51:A:PRO:HD3	17	0.64
(1,1733)	1:49:A:VAL:HG23	1:51:A:PRO:HD3	17	0.64
(1,1642)	1:2:A:HIS:HB2	1:112:A:LEU:HA	3	0.64
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG11	18	0.64
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG12	18	0.64
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG13	18	0.64
(1,1260)	1:24:A:VAL:HG21	1:28:A:LEU:H	2	0.64
(1,1260)	1:24:A:VAL:HG22	1:28:A:LEU:H	2	0.64
(1,1260)	1:24:A:VAL:HG23	1:28:A:LEU:H	2	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1260)	1:24:A:VAL:HG21	1:28:A:LEU:H	7	0.64
(1,1260)	1:24:A:VAL:HG22	1:28:A:LEU:H	7	0.64
(1,1260)	1:24:A:VAL:HG23	1:28:A:LEU:H	7	0.64
(1,1260)	1:24:A:VAL:HG21	1:28:A:LEU:H	8	0.64
(1,1260)	1:24:A:VAL:HG22	1:28:A:LEU:H	8	0.64
(1,1260)	1:24:A:VAL:HG23	1:28:A:LEU:H	8	0.64
(1,1260)	1:24:A:VAL:HG21	1:28:A:LEU:H	9	0.64
(1,1260)	1:24:A:VAL:HG22	1:28:A:LEU:H	9	0.64
(1,1260)	1:24:A:VAL:HG23	1:28:A:LEU:H	9	0.64
(1,1260)	1:24:A:VAL:HG21	1:28:A:LEU:H	15	0.64
(1,1260)	1:24:A:VAL:HG22	1:28:A:LEU:H	15	0.64
(1,1260)	1:24:A:VAL:HG23	1:28:A:LEU:H	15	0.64
(1,1260)	1:24:A:VAL:HG21	1:28:A:LEU:H	16	0.64
(1,1260)	1:24:A:VAL:HG22	1:28:A:LEU:H	16	0.64
(1,1260)	1:24:A:VAL:HG23	1:28:A:LEU:H	16	0.64
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG11	20	0.64
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG12	20	0.64
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG13	20	0.64
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG11	20	0.64
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG12	20	0.64
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG13	20	0.64
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG11	20	0.64
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG12	20	0.64
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG13	20	0.64
(1,1233)	1:103:A:THR:HG21	1:104:A:PRO:HD3	1	0.64
(1,1233)	1:103:A:THR:HG22	1:104:A:PRO:HD3	1	0.64
(1,1233)	1:103:A:THR:HG23	1:104:A:PRO:HD3	1	0.64
(1,1233)	1:103:A:THR:HG21	1:104:A:PRO:HD3	13	0.64
(1,1233)	1:103:A:THR:HG22	1:104:A:PRO:HD3	13	0.64
(1,1233)	1:103:A:THR:HG23	1:104:A:PRO:HD3	13	0.64
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG11	18	0.64
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG12	18	0.64
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG13	18	0.64
(1,1189)	1:9:A:VAL:HG21	1:44:A:GLU:HG2	3	0.64
(1,1189)	1:9:A:VAL:HG22	1:44:A:GLU:HG2	3	0.64
(1,1189)	1:9:A:VAL:HG23	1:44:A:GLU:HG2	3	0.64
(1,1091)	1:58:A:VAL:HG21	1:59:A:PHE:H	1	0.64
(1,1091)	1:58:A:VAL:HG22	1:59:A:PHE:H	1	0.64
(1,1091)	1:58:A:VAL:HG23	1:59:A:PHE:H	1	0.64
(1,1091)	1:58:A:VAL:HG21	1:59:A:PHE:H	18	0.64
(1,1091)	1:58:A:VAL:HG22	1:59:A:PHE:H	18	0.64
(1,1091)	1:58:A:VAL:HG23	1:59:A:PHE:H	18	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1027)	1:15:A:VAL:HG21	1:18:A:ARG:HG2	17	0.64
(1,1027)	1:15:A:VAL:HG22	1:18:A:ARG:HG2	17	0.64
(1,1027)	1:15:A:VAL:HG23	1:18:A:ARG:HG2	17	0.64
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG11	16	0.64
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG12	16	0.64
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG13	16	0.64
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG11	16	0.64
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG12	16	0.64
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG13	16	0.64
(1,916)	1:24:A:VAL:HG11	1:56:A:PRO:HG3	5	0.64
(1,916)	1:24:A:VAL:HG12	1:56:A:PRO:HG3	5	0.64
(1,916)	1:24:A:VAL:HG13	1:56:A:PRO:HG3	5	0.64
(1,916)	1:24:A:VAL:HG11	1:56:A:PRO:HG3	19	0.64
(1,916)	1:24:A:VAL:HG12	1:56:A:PRO:HG3	19	0.64
(1,916)	1:24:A:VAL:HG13	1:56:A:PRO:HG3	19	0.64
(1,888)	1:7:A:LEU:HD11	1:40:A:CYS:HA	2	0.64
(1,888)	1:7:A:LEU:HD12	1:40:A:CYS:HA	2	0.64
(1,888)	1:7:A:LEU:HD13	1:40:A:CYS:HA	2	0.64
(1,888)	1:7:A:LEU:HD11	1:40:A:CYS:HA	15	0.64
(1,888)	1:7:A:LEU:HD12	1:40:A:CYS:HA	15	0.64
(1,888)	1:7:A:LEU:HD13	1:40:A:CYS:HA	15	0.64
(1,880)	1:112:A:LEU:HD21	1:113:A:ARG:H	10	0.64
(1,880)	1:112:A:LEU:HD22	1:113:A:ARG:H	10	0.64
(1,880)	1:112:A:LEU:HD23	1:113:A:ARG:H	10	0.64
(1,847)	1:42:A:LEU:HD21	1:43:A:VAL:H	16	0.64
(1,847)	1:42:A:LEU:HD22	1:43:A:VAL:H	16	0.64
(1,847)	1:42:A:LEU:HD23	1:43:A:VAL:H	16	0.64
(1,844)	1:35:A:LEU:HD11	1:40:A:CYS:HB2	11	0.64
(1,844)	1:35:A:LEU:HD12	1:40:A:CYS:HB2	11	0.64
(1,844)	1:35:A:LEU:HD13	1:40:A:CYS:HB2	11	0.64
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG11	15	0.64
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG12	15	0.64
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG13	15	0.64
(1,568)	1:10:A:LEU:HA	1:11:A:GLN:HB3	20	0.64
(1,497)	1:7:A:LEU:HD11	1:40:A:CYS:HB3	10	0.64
(1,497)	1:7:A:LEU:HD12	1:40:A:CYS:HB3	10	0.64
(1,497)	1:7:A:LEU:HD13	1:40:A:CYS:HB3	10	0.64
(1,464)	1:51:A:PRO:HB3	1:52:A:GLN:HG2	5	0.64
(1,450)	1:8:A:PRO:HB3	1:41:A:GLY:HA3	16	0.64
(1,255)	1:20:A:PHE:HB2	1:30:A:GLU:HG2	20	0.64
(1,161)	1:11:A:GLN:HB3	1:14:A:ASP:HB3	17	0.64
(1,133)	1:42:A:LEU:HD11	1:108:A:ARG:HD2	17	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,133)	1:42:A:LEU:HD12	1:108:A:ARG:HD2	17	0.64
(1,133)	1:42:A:LEU:HD13	1:108:A:ARG:HD2	17	0.64
(1,56)	1:100:A:VAL:HG11	1:101:A:GLY:HA2	12	0.64
(1,56)	1:100:A:VAL:HG12	1:101:A:GLY:HA2	12	0.64
(1,56)	1:100:A:VAL:HG13	1:101:A:GLY:HA2	12	0.64
(1,56)	1:100:A:VAL:HG11	1:101:A:GLY:HA2	18	0.64
(1,56)	1:100:A:VAL:HG12	1:101:A:GLY:HA2	18	0.64
(1,56)	1:100:A:VAL:HG13	1:101:A:GLY:HA2	18	0.64
(1,2524)	1:99:A:HIS:HD2	1:101:A:GLY:HA3	5	0.63
(1,2524)	1:99:A:HIS:HD2	1:101:A:GLY:HA3	12	0.63
(1,2351)	1:4:A:GLN:HE22	1:5:A:LEU:H	20	0.63
(1,2257)	1:20:A:PHE:HB3	1:28:A:LEU:H	6	0.63
(1,2184)	1:34:A:HIS:H	1:40:A:CYS:HB3	2	0.63
(1,2110)	1:36:A:LYS:H	1:37:A:ASN:HB3	19	0.63
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG11	17	0.63
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG12	17	0.63
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG13	17	0.63
(1,1642)	1:2:A:HIS:HB2	1:112:A:LEU:HA	15	0.63
(1,1473)	1:62:A:ARG:HA	1:63:A:SER:HB3	10	0.63
(1,1260)	1:24:A:VAL:HG21	1:28:A:LEU:H	18	0.63
(1,1260)	1:24:A:VAL:HG22	1:28:A:LEU:H	18	0.63
(1,1260)	1:24:A:VAL:HG23	1:28:A:LEU:H	18	0.63
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG11	2	0.63
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG12	2	0.63
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG13	2	0.63
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG11	2	0.63
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG12	2	0.63
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG13	2	0.63
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG11	2	0.63
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG12	2	0.63
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG13	2	0.63
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG11	13	0.63
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG12	13	0.63
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG13	13	0.63
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG11	13	0.63
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG12	13	0.63
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG13	13	0.63
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG11	13	0.63
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG12	13	0.63
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG13	13	0.63
(1,1233)	1:103:A:THR:HG21	1:104:A:PRO:HD3	5	0.63
(1,1233)	1:103:A:THR:HG22	1:104:A:PRO:HD3	5	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1233)	1:103:A:THR:HG23	1:104:A:PRO:HD3	5	0.63
(1,1233)	1:103:A:THR:HG21	1:104:A:PRO:HD3	15	0.63
(1,1233)	1:103:A:THR:HG22	1:104:A:PRO:HD3	15	0.63
(1,1233)	1:103:A:THR:HG23	1:104:A:PRO:HD3	15	0.63
(1,1181)	1:74:A:VAL:HG21	1:75:A:VAL:H	11	0.63
(1,1181)	1:74:A:VAL:HG22	1:75:A:VAL:H	11	0.63
(1,1181)	1:74:A:VAL:HG23	1:75:A:VAL:H	11	0.63
(1,1091)	1:58:A:VAL:HG21	1:59:A:PHE:H	3	0.63
(1,1091)	1:58:A:VAL:HG22	1:59:A:PHE:H	3	0.63
(1,1091)	1:58:A:VAL:HG23	1:59:A:PHE:H	3	0.63
(1,1091)	1:58:A:VAL:HG21	1:59:A:PHE:H	16	0.63
(1,1091)	1:58:A:VAL:HG22	1:59:A:PHE:H	16	0.63
(1,1091)	1:58:A:VAL:HG23	1:59:A:PHE:H	16	0.63
(1,1091)	1:58:A:VAL:HG21	1:59:A:PHE:H	17	0.63
(1,1091)	1:58:A:VAL:HG22	1:59:A:PHE:H	17	0.63
(1,1091)	1:58:A:VAL:HG23	1:59:A:PHE:H	17	0.63
(1,1006)	1:53:A:LEU:HD11	1:97:A:VAL:HG11	17	0.63
(1,1006)	1:53:A:LEU:HD11	1:97:A:VAL:HG12	17	0.63
(1,1006)	1:53:A:LEU:HD11	1:97:A:VAL:HG13	17	0.63
(1,1006)	1:53:A:LEU:HD12	1:97:A:VAL:HG11	17	0.63
(1,1006)	1:53:A:LEU:HD12	1:97:A:VAL:HG12	17	0.63
(1,1006)	1:53:A:LEU:HD12	1:97:A:VAL:HG13	17	0.63
(1,1006)	1:53:A:LEU:HD13	1:97:A:VAL:HG11	17	0.63
(1,1006)	1:53:A:LEU:HD13	1:97:A:VAL:HG12	17	0.63
(1,1006)	1:53:A:LEU:HD13	1:97:A:VAL:HG13	17	0.63
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG11	2	0.63
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG12	2	0.63
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG13	2	0.63
(1,903)	1:74:A:VAL:HG11	1:111:A:LEU:HD11	19	0.63
(1,903)	1:74:A:VAL:HG11	1:111:A:LEU:HD12	19	0.63
(1,903)	1:74:A:VAL:HG11	1:111:A:LEU:HD13	19	0.63
(1,903)	1:74:A:VAL:HG12	1:111:A:LEU:HD11	19	0.63
(1,903)	1:74:A:VAL:HG12	1:111:A:LEU:HD12	19	0.63
(1,903)	1:74:A:VAL:HG12	1:111:A:LEU:HD13	19	0.63
(1,903)	1:74:A:VAL:HG13	1:111:A:LEU:HD11	19	0.63
(1,903)	1:74:A:VAL:HG13	1:111:A:LEU:HD12	19	0.63
(1,903)	1:74:A:VAL:HG13	1:111:A:LEU:HD13	19	0.63
(1,799)	1:50:A:LEU:HD11	1:83:A:GLY:HA2	3	0.63
(1,799)	1:50:A:LEU:HD12	1:83:A:GLY:HA2	3	0.63
(1,799)	1:50:A:LEU:HD13	1:83:A:GLY:HA2	3	0.63
(1,558)	1:36:A:LYS:H	1:36:A:LYS:HD3	2	0.63
(1,497)	1:7:A:LEU:HD11	1:40:A:CYS:HB3	12	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,497)	1:7:A:LEU:HD12	1:40:A:CYS:HB3	12	0.63
(1,497)	1:7:A:LEU:HD13	1:40:A:CYS:HB3	12	0.63
(1,494)	1:7:A:LEU:HD11	1:40:A:CYS:HB2	8	0.63
(1,494)	1:7:A:LEU:HD12	1:40:A:CYS:HB2	8	0.63
(1,494)	1:7:A:LEU:HD13	1:40:A:CYS:HB2	8	0.63
(1,332)	1:11:A:GLN:HG3	1:13:A:ARG:H	18	0.63
(1,311)	1:33:A:GLU:H	1:33:A:GLU:HG2	5	0.63
(1,243)	1:24:A:VAL:HG21	1:25:A:GLU:HG2	3	0.63
(1,243)	1:24:A:VAL:HG22	1:25:A:GLU:HG2	3	0.63
(1,243)	1:24:A:VAL:HG23	1:25:A:GLU:HG2	3	0.63
(1,56)	1:100:A:VAL:HG11	1:101:A:GLY:HA2	7	0.63
(1,56)	1:100:A:VAL:HG12	1:101:A:GLY:HA2	7	0.63
(1,56)	1:100:A:VAL:HG13	1:101:A:GLY:HA2	7	0.63
(1,56)	1:100:A:VAL:HG11	1:101:A:GLY:HA2	16	0.63
(1,56)	1:100:A:VAL:HG12	1:101:A:GLY:HA2	16	0.63
(1,56)	1:100:A:VAL:HG13	1:101:A:GLY:HA2	16	0.63
(1,52)	1:42:A:LEU:HD21	1:94:A:GLY:HA2	18	0.63
(1,52)	1:42:A:LEU:HD22	1:94:A:GLY:HA2	18	0.63
(1,52)	1:42:A:LEU:HD23	1:94:A:GLY:HA2	18	0.63
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG11	8	0.63
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG12	8	0.63
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG13	8	0.63
(1,2436)	1:6:A:SER:HB2	1:107:A:TYR:HD1	9	0.62
(1,2436)	1:6:A:SER:HB2	1:107:A:TYR:HD2	9	0.62
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG11	14	0.62
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG12	14	0.62
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG13	14	0.62
(1,2196)	1:13:A:ARG:H	1:13:A:ARG:HB2	1	0.62
(1,2196)	1:13:A:ARG:H	1:13:A:ARG:HB2	2	0.62
(1,2196)	1:13:A:ARG:H	1:13:A:ARG:HB2	6	0.62
(1,2196)	1:13:A:ARG:H	1:13:A:ARG:HB2	9	0.62
(1,2196)	1:13:A:ARG:H	1:13:A:ARG:HB2	17	0.62
(1,1621)	1:63:A:SER:HB2	1:64:A:ASP:HA	20	0.62
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB1	5	0.62
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB2	5	0.62
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB3	5	0.62
(1,1260)	1:24:A:VAL:HG21	1:28:A:LEU:H	3	0.62
(1,1260)	1:24:A:VAL:HG22	1:28:A:LEU:H	3	0.62
(1,1260)	1:24:A:VAL:HG23	1:28:A:LEU:H	3	0.62
(1,1233)	1:103:A:THR:HG21	1:104:A:PRO:HD3	11	0.62
(1,1233)	1:103:A:THR:HG22	1:104:A:PRO:HD3	11	0.62
(1,1233)	1:103:A:THR:HG23	1:104:A:PRO:HD3	11	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG11	13	0.62
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG12	13	0.62
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG13	13	0.62
(1,1181)	1:74:A:VAL:HG21	1:75:A:VAL:H	10	0.62
(1,1181)	1:74:A:VAL:HG22	1:75:A:VAL:H	10	0.62
(1,1181)	1:74:A:VAL:HG23	1:75:A:VAL:H	10	0.62
(1,1166)	1:100:A:VAL:HG11	1:101:A:GLY:HA3	17	0.62
(1,1166)	1:100:A:VAL:HG12	1:101:A:GLY:HA3	17	0.62
(1,1166)	1:100:A:VAL:HG13	1:101:A:GLY:HA3	17	0.62
(1,1155)	1:9:A:VAL:HA	1:42:A:LEU:HB2	19	0.62
(1,1073)	1:12:A:VAL:HA	1:53:A:LEU:HD11	16	0.62
(1,1073)	1:12:A:VAL:HA	1:53:A:LEU:HD12	16	0.62
(1,1073)	1:12:A:VAL:HA	1:53:A:LEU:HD13	16	0.62
(1,1061)	1:53:A:LEU:HD11	1:54:A:GLU:H	17	0.62
(1,1061)	1:53:A:LEU:HD12	1:54:A:GLU:H	17	0.62
(1,1061)	1:53:A:LEU:HD13	1:54:A:GLU:H	17	0.62
(1,1034)	1:8:A:PRO:HB3	1:104:A:PRO:HA	17	0.62
(1,983)	1:96:A:LEU:HD21	1:97:A:VAL:H	6	0.62
(1,983)	1:96:A:LEU:HD22	1:97:A:VAL:H	6	0.62
(1,983)	1:96:A:LEU:HD23	1:97:A:VAL:H	6	0.62
(1,888)	1:7:A:LEU:HD11	1:40:A:CYS:HA	14	0.62
(1,888)	1:7:A:LEU:HD12	1:40:A:CYS:HA	14	0.62
(1,888)	1:7:A:LEU:HD13	1:40:A:CYS:HA	14	0.62
(1,881)	1:77:A:LEU:H	1:112:A:LEU:HD21	5	0.62
(1,881)	1:77:A:LEU:H	1:112:A:LEU:HD22	5	0.62
(1,881)	1:77:A:LEU:H	1:112:A:LEU:HD23	5	0.62
(1,876)	1:20:A:PHE:HE1	1:35:A:LEU:HD11	3	0.62
(1,876)	1:20:A:PHE:HE1	1:35:A:LEU:HD12	3	0.62
(1,876)	1:20:A:PHE:HE1	1:35:A:LEU:HD13	3	0.62
(1,876)	1:20:A:PHE:HE2	1:35:A:LEU:HD11	3	0.62
(1,876)	1:20:A:PHE:HE2	1:35:A:LEU:HD12	3	0.62
(1,876)	1:20:A:PHE:HE2	1:35:A:LEU:HD13	3	0.62
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD21	3	0.62
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD22	3	0.62
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD23	3	0.62
(1,450)	1:8:A:PRO:HB3	1:41:A:GLY:HA3	2	0.62
(1,450)	1:8:A:PRO:HB3	1:41:A:GLY:HA3	19	0.62
(1,298)	1:26:A:GLU:HB2	1:56:A:PRO:HB3	4	0.62
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB1	13	0.62
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB2	13	0.62
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB3	13	0.62
(1,235)	1:23:A:SER:HB3	1:26:A:GLU:HG2	4	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,207)	1:44:A:GLU:HG3	1:45:A:LEU:H	4	0.62
(1,133)	1:42:A:LEU:HD11	1:108:A:ARG:HD2	5	0.62
(1,133)	1:42:A:LEU:HD12	1:108:A:ARG:HD2	5	0.62
(1,133)	1:42:A:LEU:HD13	1:108:A:ARG:HD2	5	0.62
(1,56)	1:100:A:VAL:HG11	1:101:A:GLY:HA2	9	0.62
(1,56)	1:100:A:VAL:HG12	1:101:A:GLY:HA2	9	0.62
(1,56)	1:100:A:VAL:HG13	1:101:A:GLY:HA2	9	0.62
(1,56)	1:100:A:VAL:HG11	1:101:A:GLY:HA2	19	0.62
(1,56)	1:100:A:VAL:HG12	1:101:A:GLY:HA2	19	0.62
(1,56)	1:100:A:VAL:HG13	1:101:A:GLY:HA2	19	0.62
(1,43)	1:47:A:LYS:HG3	1:48:A:GLY:HA3	8	0.62
(1,35)	1:21:A:GLY:HA2	1:26:A:GLU:HG3	20	0.62
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG11	4	0.62
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG12	4	0.62
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG13	4	0.62
(1,2426)	1:21:A:GLY:H	1:30:A:GLU:HB3	1	0.61
(1,2278)	1:41:A:GLY:H	1:96:A:LEU:HD21	12	0.61
(1,2278)	1:41:A:GLY:H	1:96:A:LEU:HD22	12	0.61
(1,2278)	1:41:A:GLY:H	1:96:A:LEU:HD23	12	0.61
(1,2196)	1:13:A:ARG:H	1:13:A:ARG:HB2	8	0.61
(1,2196)	1:13:A:ARG:H	1:13:A:ARG:HB2	11	0.61
(1,2196)	1:13:A:ARG:H	1:13:A:ARG:HB2	12	0.61
(1,2196)	1:13:A:ARG:H	1:13:A:ARG:HB2	18	0.61
(1,2196)	1:13:A:ARG:H	1:13:A:ARG:HB2	19	0.61
(1,2184)	1:34:A:HIS:H	1:40:A:CYS:HB3	19	0.61
(1,2110)	1:36:A:LYS:H	1:37:A:ASN:HB3	6	0.61
(1,1942)	1:7:A:LEU:HD11	1:40:A:CYS:H	3	0.61
(1,1942)	1:7:A:LEU:HD12	1:40:A:CYS:H	3	0.61
(1,1942)	1:7:A:LEU:HD13	1:40:A:CYS:H	3	0.61
(1,1710)	1:7:A:LEU:HA	1:41:A:GLY:HA3	6	0.61
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG11	16	0.61
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG12	16	0.61
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG13	16	0.61
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG11	16	0.61
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG12	16	0.61
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG13	16	0.61
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG11	16	0.61
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG12	16	0.61
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG13	16	0.61
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG11	16	0.61
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG12	16	0.61
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG13	16	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1166)	1:100:A:VAL:HG11	1:101:A:GLY:HA3	15	0.61
(1,1166)	1:100:A:VAL:HG12	1:101:A:GLY:HA3	15	0.61
(1,1166)	1:100:A:VAL:HG13	1:101:A:GLY:HA3	15	0.61
(1,1101)	1:58:A:VAL:HG21	1:77:A:LEU:HD21	19	0.61
(1,1101)	1:58:A:VAL:HG21	1:77:A:LEU:HD22	19	0.61
(1,1101)	1:58:A:VAL:HG21	1:77:A:LEU:HD23	19	0.61
(1,1101)	1:58:A:VAL:HG22	1:77:A:LEU:HD21	19	0.61
(1,1101)	1:58:A:VAL:HG22	1:77:A:LEU:HD22	19	0.61
(1,1101)	1:58:A:VAL:HG22	1:77:A:LEU:HD23	19	0.61
(1,1101)	1:58:A:VAL:HG23	1:77:A:LEU:HD21	19	0.61
(1,1101)	1:58:A:VAL:HG23	1:77:A:LEU:HD22	19	0.61
(1,1101)	1:58:A:VAL:HG23	1:77:A:LEU:HD23	19	0.61
(1,1091)	1:58:A:VAL:HG21	1:59:A:PHE:H	5	0.61
(1,1091)	1:58:A:VAL:HG22	1:59:A:PHE:H	5	0.61
(1,1091)	1:58:A:VAL:HG23	1:59:A:PHE:H	5	0.61
(1,986)	1:42:A:LEU:HA	1:96:A:LEU:HD21	12	0.61
(1,986)	1:42:A:LEU:HA	1:96:A:LEU:HD22	12	0.61
(1,986)	1:42:A:LEU:HA	1:96:A:LEU:HD23	12	0.61
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG11	11	0.61
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG12	11	0.61
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG13	11	0.61
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG11	11	0.61
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG12	11	0.61
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG13	11	0.61
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG11	17	0.61
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG12	17	0.61
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG13	17	0.61
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG11	17	0.61
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG12	17	0.61
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG13	17	0.61
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG11	5	0.61
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG12	5	0.61
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG13	5	0.61
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD11	7	0.61
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD12	7	0.61
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD13	7	0.61
(1,884)	1:112:A:LEU:HA	1:112:A:LEU:HD21	10	0.61
(1,884)	1:112:A:LEU:HA	1:112:A:LEU:HD22	10	0.61
(1,884)	1:112:A:LEU:HA	1:112:A:LEU:HD23	10	0.61
(1,818)	1:62:A:ARG:HD2	1:73:A:LYS:HG3	4	0.61
(1,818)	1:62:A:ARG:HD3	1:73:A:LYS:HG3	4	0.61
(1,816)	1:63:A:SER:HB3	1:75:A:VAL:H	15	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,815)	1:63:A:SER:HB3	1:75:A:VAL:HA	5	0.61
(1,799)	1:50:A:LEU:HD11	1:83:A:GLY:HA2	6	0.61
(1,799)	1:50:A:LEU:HD12	1:83:A:GLY:HA2	6	0.61
(1,799)	1:50:A:LEU:HD13	1:83:A:GLY:HA2	6	0.61
(1,707)	1:42:A:LEU:HD11	1:108:A:ARG:HG2	7	0.61
(1,707)	1:42:A:LEU:HD12	1:108:A:ARG:HG2	7	0.61
(1,707)	1:42:A:LEU:HD13	1:108:A:ARG:HG2	7	0.61
(1,638)	1:89:A:SER:HB2	1:91:A:ILE:HG12	9	0.61
(1,532)	1:10:A:LEU:HB2	1:102:A:GLU:HB2	15	0.61
(1,464)	1:51:A:PRO:HB3	1:52:A:GLN:HG2	11	0.61
(1,435)	1:42:A:LEU:HD11	1:108:A:ARG:HB2	17	0.61
(1,435)	1:42:A:LEU:HD12	1:108:A:ARG:HB2	17	0.61
(1,435)	1:42:A:LEU:HD13	1:108:A:ARG:HB2	17	0.61
(1,367)	1:76:A:GLU:HB2	1:112:A:LEU:HD21	1	0.61
(1,367)	1:76:A:GLU:HB2	1:112:A:LEU:HD22	1	0.61
(1,367)	1:76:A:GLU:HB2	1:112:A:LEU:HD23	1	0.61
(1,298)	1:26:A:GLU:HB2	1:56:A:PRO:HB3	6	0.61
(1,56)	1:100:A:VAL:HG11	1:101:A:GLY:HA2	8	0.61
(1,56)	1:100:A:VAL:HG12	1:101:A:GLY:HA2	8	0.61
(1,56)	1:100:A:VAL:HG13	1:101:A:GLY:HA2	8	0.61
(1,52)	1:42:A:LEU:HD21	1:94:A:GLY:HA2	7	0.61
(1,52)	1:42:A:LEU:HD22	1:94:A:GLY:HA2	7	0.61
(1,52)	1:42:A:LEU:HD23	1:94:A:GLY:HA2	7	0.61
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG11	5	0.61
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG12	5	0.61
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG13	5	0.61
(1,1942)	1:7:A:LEU:HD11	1:40:A:CYS:H	7	0.6
(1,1942)	1:7:A:LEU:HD12	1:40:A:CYS:H	7	0.6
(1,1942)	1:7:A:LEU:HD13	1:40:A:CYS:H	7	0.6
(1,1813)	1:2:A:HIS:HB2	1:114:A:LYS:H	16	0.6
(1,1710)	1:7:A:LEU:HA	1:41:A:GLY:HA3	15	0.6
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG11	19	0.6
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG12	19	0.6
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG13	19	0.6
(1,1358)	1:63:A:SER:HA	1:76:A:GLU:HB2	5	0.6
(1,1260)	1:24:A:VAL:HG21	1:28:A:LEU:H	19	0.6
(1,1260)	1:24:A:VAL:HG22	1:28:A:LEU:H	19	0.6
(1,1260)	1:24:A:VAL:HG23	1:28:A:LEU:H	19	0.6
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG11	8	0.6
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG12	8	0.6
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG13	8	0.6
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG11	8	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG12	8	0.6
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG13	8	0.6
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG11	8	0.6
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG12	8	0.6
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG13	8	0.6
(1,1091)	1:58:A:VAL:HG21	1:59:A:PHE:H	20	0.6
(1,1091)	1:58:A:VAL:HG22	1:59:A:PHE:H	20	0.6
(1,1091)	1:58:A:VAL:HG23	1:59:A:PHE:H	20	0.6
(1,847)	1:42:A:LEU:HD21	1:43:A:VAL:H	13	0.6
(1,847)	1:42:A:LEU:HD22	1:43:A:VAL:H	13	0.6
(1,847)	1:42:A:LEU:HD23	1:43:A:VAL:H	13	0.6
(1,742)	1:42:A:LEU:HD21	1:60:A:ILE:HG13	13	0.6
(1,742)	1:42:A:LEU:HD22	1:60:A:ILE:HG13	13	0.6
(1,742)	1:42:A:LEU:HD23	1:60:A:ILE:HG13	13	0.6
(1,720)	1:8:A:PRO:HG3	1:41:A:GLY:HA2	4	0.6
(1,707)	1:42:A:LEU:HD11	1:108:A:ARG:HG2	12	0.6
(1,707)	1:42:A:LEU:HD12	1:108:A:ARG:HG2	12	0.6
(1,707)	1:42:A:LEU:HD13	1:108:A:ARG:HG2	12	0.6
(1,421)	1:73:A:LYS:HB2	1:74:A:VAL:HG11	14	0.6
(1,421)	1:73:A:LYS:HB2	1:74:A:VAL:HG12	14	0.6
(1,421)	1:73:A:LYS:HB2	1:74:A:VAL:HG13	14	0.6
(1,421)	1:73:A:LYS:HB3	1:74:A:VAL:HG11	14	0.6
(1,421)	1:73:A:LYS:HB3	1:74:A:VAL:HG12	14	0.6
(1,421)	1:73:A:LYS:HB3	1:74:A:VAL:HG13	14	0.6
(1,371)	1:76:A:GLU:HB3	1:112:A:LEU:HD21	5	0.6
(1,371)	1:76:A:GLU:HB3	1:112:A:LEU:HD22	5	0.6
(1,371)	1:76:A:GLU:HB3	1:112:A:LEU:HD23	5	0.6
(1,332)	1:11:A:GLN:HG3	1:13:A:ARG:H	19	0.6
(1,243)	1:24:A:VAL:HG21	1:25:A:GLU:HG2	7	0.6
(1,243)	1:24:A:VAL:HG22	1:25:A:GLU:HG2	7	0.6
(1,243)	1:24:A:VAL:HG23	1:25:A:GLU:HG2	7	0.6
(1,210)	1:42:A:LEU:HG	1:44:A:GLU:HG2	7	0.6
(1,112)	1:15:A:VAL:HG21	1:18:A:ARG:HD2	16	0.6
(1,112)	1:15:A:VAL:HG22	1:18:A:ARG:HD2	16	0.6
(1,112)	1:15:A:VAL:HG23	1:18:A:ARG:HD2	16	0.6
(1,82)	1:7:A:LEU:HD11	1:41:A:GLY:HA3	5	0.6
(1,82)	1:7:A:LEU:HD12	1:41:A:GLY:HA3	5	0.6
(1,82)	1:7:A:LEU:HD13	1:41:A:GLY:HA3	5	0.6
(1,56)	1:100:A:VAL:HG11	1:101:A:GLY:HA2	15	0.6
(1,56)	1:100:A:VAL:HG12	1:101:A:GLY:HA2	15	0.6
(1,56)	1:100:A:VAL:HG13	1:101:A:GLY:HA2	15	0.6
(1,44)	1:48:A:GLY:HA3	1:51:A:PRO:HD3	9	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2278)	1:41:A:GLY:H	1:96:A:LEU:HD21	3	0.59
(1,2278)	1:41:A:GLY:H	1:96:A:LEU:HD22	3	0.59
(1,2278)	1:41:A:GLY:H	1:96:A:LEU:HD23	3	0.59
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG11	2	0.59
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG12	2	0.59
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG13	2	0.59
(1,2235)	1:20:A:PHE:H	1:30:A:GLU:HB3	10	0.59
(1,2110)	1:36:A:LYS:H	1:37:A:ASN:HB3	17	0.59
(1,1869)	1:31:A:ALA:H	1:77:A:LEU:HD21	10	0.59
(1,1869)	1:31:A:ALA:H	1:77:A:LEU:HD22	10	0.59
(1,1869)	1:31:A:ALA:H	1:77:A:LEU:HD23	10	0.59
(1,1260)	1:24:A:VAL:HG21	1:28:A:LEU:H	10	0.59
(1,1260)	1:24:A:VAL:HG22	1:28:A:LEU:H	10	0.59
(1,1260)	1:24:A:VAL:HG23	1:28:A:LEU:H	10	0.59
(1,1163)	1:3:A:VAL:HA	1:4:A:GLN:HB3	6	0.59
(1,1151)	1:10:A:LEU:HD21	1:41:A:GLY:HA2	8	0.59
(1,1151)	1:10:A:LEU:HD22	1:41:A:GLY:HA2	8	0.59
(1,1151)	1:10:A:LEU:HD23	1:41:A:GLY:HA2	8	0.59
(1,888)	1:7:A:LEU:HD11	1:40:A:CYS:HA	13	0.59
(1,888)	1:7:A:LEU:HD12	1:40:A:CYS:HA	13	0.59
(1,888)	1:7:A:LEU:HD13	1:40:A:CYS:HA	13	0.59
(1,884)	1:112:A:LEU:HA	1:112:A:LEU:HD21	19	0.59
(1,884)	1:112:A:LEU:HA	1:112:A:LEU:HD22	19	0.59
(1,884)	1:112:A:LEU:HA	1:112:A:LEU:HD23	19	0.59
(1,847)	1:42:A:LEU:HD21	1:43:A:VAL:H	3	0.59
(1,847)	1:42:A:LEU:HD22	1:43:A:VAL:H	3	0.59
(1,847)	1:42:A:LEU:HD23	1:43:A:VAL:H	3	0.59
(1,778)	1:10:A:LEU:HD11	1:102:A:GLU:HB3	19	0.59
(1,778)	1:10:A:LEU:HD12	1:102:A:GLU:HB3	19	0.59
(1,778)	1:10:A:LEU:HD13	1:102:A:GLU:HB3	19	0.59
(1,772)	1:75:A:VAL:HB	1:93:A:LEU:HD11	9	0.59
(1,772)	1:75:A:VAL:HB	1:93:A:LEU:HD12	9	0.59
(1,772)	1:75:A:VAL:HB	1:93:A:LEU:HD13	9	0.59
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG21	13	0.59
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG22	13	0.59
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG23	13	0.59
(1,477)	1:62:A:ARG:HB2	1:91:A:ILE:HA	1	0.59
(1,450)	1:8:A:PRO:HB3	1:41:A:GLY:HA3	14	0.59
(1,318)	1:33:A:GLU:HG3	1:37:A:ASN:HD21	19	0.59
(1,318)	1:33:A:GLU:HG3	1:37:A:ASN:HD22	19	0.59
(1,296)	1:63:A:SER:HB3	1:76:A:GLU:HG2	9	0.59
(1,296)	1:63:A:SER:HB3	1:76:A:GLU:HG3	9	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB1	2	0.59
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB2	2	0.59
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB3	2	0.59
(1,207)	1:44:A:GLU:HG3	1:45:A:LEU:H	11	0.59
(1,205)	1:42:A:LEU:HD11	1:44:A:GLU:HG2	5	0.59
(1,205)	1:42:A:LEU:HD12	1:44:A:GLU:HG2	5	0.59
(1,205)	1:42:A:LEU:HD13	1:44:A:GLU:HG2	5	0.59
(1,35)	1:21:A:GLY:HA2	1:26:A:GLU:HG3	12	0.59
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG11	13	0.59
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG12	13	0.59
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG13	13	0.59
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG11	15	0.59
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG12	15	0.59
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG13	15	0.59
(1,2281)	1:41:A:GLY:H	1:99:A:HIS:HB3	12	0.58
(1,2196)	1:13:A:ARG:H	1:13:A:ARG:HB2	7	0.58
(1,2196)	1:13:A:ARG:H	1:13:A:ARG:HB2	14	0.58
(1,2110)	1:36:A:LYS:H	1:37:A:ASN:HB3	14	0.58
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG11	13	0.58
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG12	13	0.58
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG13	13	0.58
(1,1464)	1:42:A:LEU:HD11	1:44:A:GLU:HA	8	0.58
(1,1464)	1:42:A:LEU:HD12	1:44:A:GLU:HA	8	0.58
(1,1464)	1:42:A:LEU:HD13	1:44:A:GLU:HA	8	0.58
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG11	5	0.58
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG12	5	0.58
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG13	5	0.58
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG11	5	0.58
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG12	5	0.58
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG13	5	0.58
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG11	5	0.58
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG12	5	0.58
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG13	5	0.58
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG11	7	0.58
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG12	7	0.58
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG13	7	0.58
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG11	7	0.58
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG12	7	0.58
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG13	7	0.58
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG11	7	0.58
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG12	7	0.58
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG13	7	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1181)	1:74:A:VAL:HG21	1:75:A:VAL:H	8	0.58
(1,1181)	1:74:A:VAL:HG22	1:75:A:VAL:H	8	0.58
(1,1181)	1:74:A:VAL:HG23	1:75:A:VAL:H	8	0.58
(1,1163)	1:3:A:VAL:HA	1:4:A:GLN:HB3	1	0.58
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG11	1	0.58
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG12	1	0.58
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG13	1	0.58
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG11	1	0.58
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG12	1	0.58
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG13	1	0.58
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG11	20	0.58
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG12	20	0.58
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG13	20	0.58
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG11	8	0.58
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG12	8	0.58
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG13	8	0.58
(1,858)	1:40:A:CYS:HB3	1:98:A:PRO:HA	7	0.58
(1,815)	1:63:A:SER:HB3	1:75:A:VAL:HA	3	0.58
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG21	4	0.58
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG22	4	0.58
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG23	4	0.58
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG21	19	0.58
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG22	19	0.58
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG23	19	0.58
(1,464)	1:51:A:PRO:HB3	1:52:A:GLN:HG2	13	0.58
(1,332)	1:11:A:GLN:HG3	1:13:A:ARG:H	14	0.58
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB1	12	0.58
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB2	12	0.58
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB3	12	0.58
(1,66)	1:10:A:LEU:HG	1:41:A:GLY:HA2	12	0.58
(1,35)	1:21:A:GLY:HA2	1:26:A:GLU:HG3	8	0.58
(1,2325)	1:48:A:GLY:HA2	1:52:A:GLN:HE22	6	0.57
(1,2235)	1:20:A:PHE:H	1:30:A:GLU:HB3	14	0.57
(1,2196)	1:13:A:ARG:H	1:13:A:ARG:HB2	10	0.57
(1,2196)	1:13:A:ARG:H	1:13:A:ARG:HB2	16	0.57
(1,2184)	1:34:A:HIS:H	1:40:A:CYS:HB3	5	0.57
(1,2110)	1:36:A:LYS:H	1:37:A:ASN:HB3	7	0.57
(1,2000)	1:20:A:PHE:HB2	1:30:A:GLU:H	3	0.57
(1,1824)	1:10:A:LEU:H	1:42:A:LEU:HB2	10	0.57
(1,1710)	1:7:A:LEU:HA	1:41:A:GLY:HA3	11	0.57
(1,1103)	1:49:A:VAL:HB	1:50:A:LEU:HD21	6	0.57
(1,1103)	1:49:A:VAL:HB	1:50:A:LEU:HD22	6	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1103)	1:49:A:VAL:HB	1:50:A:LEU:HD23	6	0.57
(1,1101)	1:58:A:VAL:HG21	1:77:A:LEU:HD21	7	0.57
(1,1101)	1:58:A:VAL:HG21	1:77:A:LEU:HD22	7	0.57
(1,1101)	1:58:A:VAL:HG21	1:77:A:LEU:HD23	7	0.57
(1,1101)	1:58:A:VAL:HG22	1:77:A:LEU:HD21	7	0.57
(1,1101)	1:58:A:VAL:HG22	1:77:A:LEU:HD22	7	0.57
(1,1101)	1:58:A:VAL:HG22	1:77:A:LEU:HD23	7	0.57
(1,1101)	1:58:A:VAL:HG23	1:77:A:LEU:HD21	7	0.57
(1,1101)	1:58:A:VAL:HG23	1:77:A:LEU:HD22	7	0.57
(1,1101)	1:58:A:VAL:HG23	1:77:A:LEU:HD23	7	0.57
(1,1091)	1:58:A:VAL:HG21	1:59:A:PHE:H	13	0.57
(1,1091)	1:58:A:VAL:HG22	1:59:A:PHE:H	13	0.57
(1,1091)	1:58:A:VAL:HG23	1:59:A:PHE:H	13	0.57
(1,1076)	1:58:A:VAL:HG21	1:79:A:ALA:H	14	0.57
(1,1076)	1:58:A:VAL:HG22	1:79:A:ALA:H	14	0.57
(1,1076)	1:58:A:VAL:HG23	1:79:A:ALA:H	14	0.57
(1,1061)	1:53:A:LEU:HD11	1:54:A:GLU:H	2	0.57
(1,1061)	1:53:A:LEU:HD12	1:54:A:GLU:H	2	0.57
(1,1061)	1:53:A:LEU:HD13	1:54:A:GLU:H	2	0.57
(1,1027)	1:15:A:VAL:HG21	1:18:A:ARG:HG2	9	0.57
(1,1027)	1:15:A:VAL:HG22	1:18:A:ARG:HG2	9	0.57
(1,1027)	1:15:A:VAL:HG23	1:18:A:ARG:HG2	9	0.57
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG11	13	0.57
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG12	13	0.57
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG13	13	0.57
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG11	13	0.57
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG12	13	0.57
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG13	13	0.57
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG21	16	0.57
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG22	16	0.57
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG23	16	0.57
(1,408)	1:8:A:PRO:HB3	1:104:A:PRO:HB2	14	0.57
(1,142)	1:59:A:PHE:HB2	1:60:A:ILE:HG12	13	0.57
(1,44)	1:48:A:GLY:HA3	1:51:A:PRO:HD3	2	0.57
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG11	18	0.57
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG12	18	0.57
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG13	18	0.57
(1,2515)	1:99:A:HIS:HD2	1:102:A:GLU:HB3	17	0.56
(1,2351)	1:4:A:GLN:HE22	1:5:A:LEU:H	8	0.56
(1,1942)	1:7:A:LEU:HD11	1:40:A:CYS:H	17	0.56
(1,1942)	1:7:A:LEU:HD12	1:40:A:CYS:H	17	0.56
(1,1942)	1:7:A:LEU:HD13	1:40:A:CYS:H	17	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1370)	1:12:A:VAL:HG11	1:13:A:ARG:HB2	19	0.56
(1,1370)	1:12:A:VAL:HG12	1:13:A:ARG:HB2	19	0.56
(1,1370)	1:12:A:VAL:HG13	1:13:A:ARG:HB2	19	0.56
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG11	4	0.56
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG12	4	0.56
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG13	4	0.56
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG11	4	0.56
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG12	4	0.56
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG13	4	0.56
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG11	4	0.56
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG12	4	0.56
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG13	4	0.56
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG11	8	0.56
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG12	8	0.56
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG13	8	0.56
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG11	2	0.56
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG12	2	0.56
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG13	2	0.56
(1,1166)	1:100:A:VAL:HG11	1:101:A:GLY:HA3	13	0.56
(1,1166)	1:100:A:VAL:HG12	1:101:A:GLY:HA3	13	0.56
(1,1166)	1:100:A:VAL:HG13	1:101:A:GLY:HA3	13	0.56
(1,1163)	1:3:A:VAL:HA	1:4:A:GLN:HB3	4	0.56
(1,1163)	1:3:A:VAL:HA	1:4:A:GLN:HB3	15	0.56
(1,1027)	1:15:A:VAL:HG21	1:18:A:ARG:HG2	5	0.56
(1,1027)	1:15:A:VAL:HG22	1:18:A:ARG:HG2	5	0.56
(1,1027)	1:15:A:VAL:HG23	1:18:A:ARG:HG2	5	0.56
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG11	9	0.56
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG12	9	0.56
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG13	9	0.56
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG11	9	0.56
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG12	9	0.56
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG13	9	0.56
(1,835)	1:42:A:LEU:HD21	1:60:A:ILE:HG12	3	0.56
(1,835)	1:42:A:LEU:HD22	1:60:A:ILE:HG12	3	0.56
(1,835)	1:42:A:LEU:HD23	1:60:A:ILE:HG12	3	0.56
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD21	15	0.56
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD22	15	0.56
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD23	15	0.56
(1,763)	1:3:A:VAL:HG11	1:112:A:LEU:HD11	19	0.56
(1,763)	1:3:A:VAL:HG11	1:112:A:LEU:HD12	19	0.56
(1,763)	1:3:A:VAL:HG11	1:112:A:LEU:HD13	19	0.56
(1,763)	1:3:A:VAL:HG12	1:112:A:LEU:HD11	19	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,763)	1:3:A:VAL:HG12	1:112:A:LEU:HD12	19	0.56
(1,763)	1:3:A:VAL:HG12	1:112:A:LEU:HD13	19	0.56
(1,763)	1:3:A:VAL:HG13	1:112:A:LEU:HD11	19	0.56
(1,763)	1:3:A:VAL:HG13	1:112:A:LEU:HD12	19	0.56
(1,763)	1:3:A:VAL:HG13	1:112:A:LEU:HD13	19	0.56
(1,763)	1:3:A:VAL:HG21	1:112:A:LEU:HD11	19	0.56
(1,763)	1:3:A:VAL:HG21	1:112:A:LEU:HD12	19	0.56
(1,763)	1:3:A:VAL:HG21	1:112:A:LEU:HD13	19	0.56
(1,763)	1:3:A:VAL:HG22	1:112:A:LEU:HD11	19	0.56
(1,763)	1:3:A:VAL:HG22	1:112:A:LEU:HD12	19	0.56
(1,763)	1:3:A:VAL:HG22	1:112:A:LEU:HD13	19	0.56
(1,763)	1:3:A:VAL:HG23	1:112:A:LEU:HD11	19	0.56
(1,763)	1:3:A:VAL:HG23	1:112:A:LEU:HD12	19	0.56
(1,763)	1:3:A:VAL:HG23	1:112:A:LEU:HD13	19	0.56
(1,742)	1:42:A:LEU:HD21	1:60:A:ILE:HG13	6	0.56
(1,742)	1:42:A:LEU:HD22	1:60:A:ILE:HG13	6	0.56
(1,742)	1:42:A:LEU:HD23	1:60:A:ILE:HG13	6	0.56
(1,707)	1:42:A:LEU:HD11	1:108:A:ARG:HG2	15	0.56
(1,707)	1:42:A:LEU:HD12	1:108:A:ARG:HG2	15	0.56
(1,707)	1:42:A:LEU:HD13	1:108:A:ARG:HG2	15	0.56
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG11	10	0.56
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG12	10	0.56
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG13	10	0.56
(1,590)	1:85:A:GLN:HB3	1:86:A:TYR:HE1	5	0.56
(1,590)	1:85:A:GLN:HB3	1:86:A:TYR:HE2	5	0.56
(1,568)	1:10:A:LEU:HA	1:11:A:GLN:HB3	17	0.56
(1,450)	1:8:A:PRO:HB3	1:41:A:GLY:HA3	3	0.56
(1,437)	1:42:A:LEU:HD11	1:108:A:ARG:HB3	7	0.56
(1,437)	1:42:A:LEU:HD12	1:108:A:ARG:HB3	7	0.56
(1,437)	1:42:A:LEU:HD13	1:108:A:ARG:HB3	7	0.56
(1,437)	1:42:A:LEU:HD11	1:108:A:ARG:HB3	17	0.56
(1,437)	1:42:A:LEU:HD12	1:108:A:ARG:HB3	17	0.56
(1,437)	1:42:A:LEU:HD13	1:108:A:ARG:HB3	17	0.56
(1,44)	1:48:A:GLY:HA3	1:51:A:PRO:HD3	16	0.56
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG11	2	0.56
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG12	2	0.56
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG13	2	0.56
(1,2450)	1:59:A:PHE:HD1	1:86:A:TYR:HB3	13	0.55
(1,2450)	1:59:A:PHE:HD2	1:86:A:TYR:HB3	13	0.55
(1,2426)	1:21:A:GLY:H	1:30:A:GLU:HB3	5	0.55
(1,2373)	1:55:A:GLN:HE22	1:82:A:ASP:HB2	13	0.55
(1,2351)	1:4:A:GLN:HE22	1:5:A:LEU:H	3	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG11	11	0.55
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG12	11	0.55
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG13	11	0.55
(1,2110)	1:36:A:LYS:H	1:37:A:ASN:HB3	18	0.55
(1,1739)	1:50:A:LEU:HB3	1:51:A:PRO:HD2	5	0.55
(1,1733)	1:49:A:VAL:HG21	1:51:A:PRO:HD3	13	0.55
(1,1733)	1:49:A:VAL:HG22	1:51:A:PRO:HD3	13	0.55
(1,1733)	1:49:A:VAL:HG23	1:51:A:PRO:HD3	13	0.55
(1,1642)	1:2:A:HIS:HB2	1:112:A:LEU:HA	14	0.55
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG11	20	0.55
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG12	20	0.55
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG13	20	0.55
(1,1473)	1:62:A:ARG:HA	1:63:A:SER:HB3	20	0.55
(1,1403)	1:28:A:LEU:HA	1:28:A:LEU:HD21	16	0.55
(1,1403)	1:28:A:LEU:HA	1:28:A:LEU:HD22	16	0.55
(1,1403)	1:28:A:LEU:HA	1:28:A:LEU:HD23	16	0.55
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB1	7	0.55
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB2	7	0.55
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB3	7	0.55
(1,1189)	1:9:A:VAL:HG21	1:44:A:GLU:HG2	7	0.55
(1,1189)	1:9:A:VAL:HG22	1:44:A:GLU:HG2	7	0.55
(1,1189)	1:9:A:VAL:HG23	1:44:A:GLU:HG2	7	0.55
(1,1181)	1:74:A:VAL:HG21	1:75:A:VAL:H	14	0.55
(1,1181)	1:74:A:VAL:HG22	1:75:A:VAL:H	14	0.55
(1,1181)	1:74:A:VAL:HG23	1:75:A:VAL:H	14	0.55
(1,1163)	1:3:A:VAL:HA	1:4:A:GLN:HB3	11	0.55
(1,1163)	1:3:A:VAL:HA	1:4:A:GLN:HB3	12	0.55
(1,847)	1:42:A:LEU:HD21	1:43:A:VAL:H	11	0.55
(1,847)	1:42:A:LEU:HD22	1:43:A:VAL:H	11	0.55
(1,847)	1:42:A:LEU:HD23	1:43:A:VAL:H	11	0.55
(1,803)	1:63:A:SER:HB2	1:74:A:VAL:HG21	11	0.55
(1,803)	1:63:A:SER:HB2	1:74:A:VAL:HG22	11	0.55
(1,803)	1:63:A:SER:HB2	1:74:A:VAL:HG23	11	0.55
(1,707)	1:42:A:LEU:HD11	1:108:A:ARG:HG2	3	0.55
(1,707)	1:42:A:LEU:HD12	1:108:A:ARG:HG2	3	0.55
(1,707)	1:42:A:LEU:HD13	1:108:A:ARG:HG2	3	0.55
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG21	1	0.55
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG22	1	0.55
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG23	1	0.55
(1,532)	1:10:A:LEU:HB2	1:102:A:GLU:HB2	17	0.55
(1,499)	1:34:A:HIS:HA	1:40:A:CYS:HB3	7	0.55
(1,464)	1:51:A:PRO:HB3	1:52:A:GLN:HG2	17	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,450)	1:8:A:PRO:HB3	1:41:A:GLY:HA3	6	0.55
(1,332)	1:11:A:GLN:HG3	1:13:A:ARG:H	2	0.55
(1,332)	1:11:A:GLN:HG3	1:13:A:ARG:H	13	0.55
(1,211)	1:43:A:VAL:HG11	1:44:A:GLU:HG2	7	0.55
(1,211)	1:43:A:VAL:HG12	1:44:A:GLU:HG2	7	0.55
(1,211)	1:43:A:VAL:HG13	1:44:A:GLU:HG2	7	0.55
(1,209)	1:42:A:LEU:HD11	1:44:A:GLU:HG3	18	0.55
(1,209)	1:42:A:LEU:HD12	1:44:A:GLU:HG3	18	0.55
(1,209)	1:42:A:LEU:HD13	1:44:A:GLU:HG3	18	0.55
(1,207)	1:44:A:GLU:HG3	1:45:A:LEU:H	16	0.55
(1,126)	1:25:A:GLU:HG3	1:28:A:LEU:HB2	20	0.55
(1,126)	1:25:A:GLU:HG3	1:28:A:LEU:HB3	20	0.55
(1,56)	1:100:A:VAL:HG11	1:101:A:GLY:HA2	20	0.55
(1,56)	1:100:A:VAL:HG12	1:101:A:GLY:HA2	20	0.55
(1,56)	1:100:A:VAL:HG13	1:101:A:GLY:HA2	20	0.55
(1,35)	1:21:A:GLY:HA2	1:26:A:GLU:HG3	17	0.55
(1,2416)	1:93:A:LEU:HB3	1:94:A:GLY:H	1	0.54
(1,2327)	1:49:A:VAL:HG11	1:52:A:GLN:HE22	7	0.54
(1,2327)	1:49:A:VAL:HG12	1:52:A:GLN:HE22	7	0.54
(1,2327)	1:49:A:VAL:HG13	1:52:A:GLN:HE22	7	0.54
(1,1824)	1:10:A:LEU:H	1:42:A:LEU:HB2	13	0.54
(1,1739)	1:50:A:LEU:HB3	1:51:A:PRO:HD2	7	0.54
(1,1733)	1:49:A:VAL:HG21	1:51:A:PRO:HD3	16	0.54
(1,1733)	1:49:A:VAL:HG22	1:51:A:PRO:HD3	16	0.54
(1,1733)	1:49:A:VAL:HG23	1:51:A:PRO:HD3	16	0.54
(1,1728)	1:7:A:LEU:HD11	1:8:A:PRO:HD3	12	0.54
(1,1728)	1:7:A:LEU:HD12	1:8:A:PRO:HD3	12	0.54
(1,1728)	1:7:A:LEU:HD13	1:8:A:PRO:HD3	12	0.54
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB1	11	0.54
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB2	11	0.54
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB3	11	0.54
(1,1287)	1:34:A:HIS:HA	1:37:A:ASN:HB3	20	0.54
(1,1260)	1:24:A:VAL:HG21	1:28:A:LEU:H	1	0.54
(1,1260)	1:24:A:VAL:HG22	1:28:A:LEU:H	1	0.54
(1,1260)	1:24:A:VAL:HG23	1:28:A:LEU:H	1	0.54
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG11	11	0.54
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG12	11	0.54
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG13	11	0.54
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG11	11	0.54
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG12	11	0.54
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG13	11	0.54
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG11	11	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG12	11	0.54
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG13	11	0.54
(1,1207)	1:9:A:VAL:HG11	1:44:A:GLU:HG2	3	0.54
(1,1207)	1:9:A:VAL:HG12	1:44:A:GLU:HG2	3	0.54
(1,1207)	1:9:A:VAL:HG13	1:44:A:GLU:HG2	3	0.54
(1,1166)	1:100:A:VAL:HG11	1:101:A:GLY:HA3	7	0.54
(1,1166)	1:100:A:VAL:HG12	1:101:A:GLY:HA3	7	0.54
(1,1166)	1:100:A:VAL:HG13	1:101:A:GLY:HA3	7	0.54
(1,1166)	1:100:A:VAL:HG11	1:101:A:GLY:HA3	19	0.54
(1,1166)	1:100:A:VAL:HG12	1:101:A:GLY:HA3	19	0.54
(1,1166)	1:100:A:VAL:HG13	1:101:A:GLY:HA3	19	0.54
(1,1163)	1:3:A:VAL:HA	1:4:A:GLN:HB3	9	0.54
(1,1163)	1:3:A:VAL:HA	1:4:A:GLN:HB3	18	0.54
(1,1155)	1:9:A:VAL:HA	1:42:A:LEU:HB2	3	0.54
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG11	19	0.54
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG12	19	0.54
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG13	19	0.54
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG11	19	0.54
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG12	19	0.54
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG13	19	0.54
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD11	6	0.54
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD12	6	0.54
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD13	6	0.54
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD11	15	0.54
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD12	15	0.54
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD13	15	0.54
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD21	13	0.54
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD22	13	0.54
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD23	13	0.54
(1,746)	1:60:A:ILE:HG12	1:61:A:LYS:H	4	0.54
(1,499)	1:34:A:HIS:HA	1:40:A:CYS:HB3	20	0.54
(1,464)	1:51:A:PRO:HB3	1:52:A:GLN:HG2	6	0.54
(1,450)	1:8:A:PRO:HB3	1:41:A:GLY:HA3	1	0.54
(1,321)	1:33:A:GLU:HG3	1:36:A:LYS:HE2	9	0.54
(1,321)	1:33:A:GLU:HG3	1:36:A:LYS:HE3	9	0.54
(1,161)	1:11:A:GLN:HB3	1:14:A:ASP:HB3	20	0.54
(1,56)	1:100:A:VAL:HG11	1:101:A:GLY:HA2	2	0.54
(1,56)	1:100:A:VAL:HG12	1:101:A:GLY:HA2	2	0.54
(1,56)	1:100:A:VAL:HG13	1:101:A:GLY:HA2	2	0.54
(1,15)	1:9:A:VAL:HG11	1:42:A:LEU:HB2	19	0.54
(1,15)	1:9:A:VAL:HG12	1:42:A:LEU:HB2	19	0.54
(1,15)	1:9:A:VAL:HG13	1:42:A:LEU:HB2	19	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2384)	1:85:A:GLN:HB3	1:87:A:GLY:H	6	0.53
(1,2351)	1:4:A:GLN:HE22	1:5:A:LEU:H	11	0.53
(1,1710)	1:7:A:LEU:HA	1:41:A:GLY:HA3	13	0.53
(1,1710)	1:7:A:LEU:HA	1:41:A:GLY:HA3	20	0.53
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG11	1	0.53
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG12	1	0.53
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG13	1	0.53
(1,1185)	1:2:A:HIS:HB2	1:74:A:VAL:HG21	18	0.53
(1,1185)	1:2:A:HIS:HB2	1:74:A:VAL:HG22	18	0.53
(1,1185)	1:2:A:HIS:HB2	1:74:A:VAL:HG23	18	0.53
(1,1181)	1:74:A:VAL:HG21	1:75:A:VAL:H	3	0.53
(1,1181)	1:74:A:VAL:HG22	1:75:A:VAL:H	3	0.53
(1,1181)	1:74:A:VAL:HG23	1:75:A:VAL:H	3	0.53
(1,1166)	1:100:A:VAL:HG11	1:101:A:GLY:HA3	9	0.53
(1,1166)	1:100:A:VAL:HG12	1:101:A:GLY:HA3	9	0.53
(1,1166)	1:100:A:VAL:HG13	1:101:A:GLY:HA3	9	0.53
(1,1163)	1:3:A:VAL:HA	1:4:A:GLN:HB3	7	0.53
(1,1151)	1:10:A:LEU:HD21	1:41:A:GLY:HA2	3	0.53
(1,1151)	1:10:A:LEU:HD22	1:41:A:GLY:HA2	3	0.53
(1,1151)	1:10:A:LEU:HD23	1:41:A:GLY:HA2	3	0.53
(1,1091)	1:58:A:VAL:HG21	1:59:A:PHE:H	6	0.53
(1,1091)	1:58:A:VAL:HG22	1:59:A:PHE:H	6	0.53
(1,1091)	1:58:A:VAL:HG23	1:59:A:PHE:H	6	0.53
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG11	5	0.53
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG12	5	0.53
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG13	5	0.53
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG11	5	0.53
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG12	5	0.53
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG13	5	0.53
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG11	10	0.53
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG12	10	0.53
(1,963)	1:15:A:VAL:H	1:15:A:VAL:HG13	10	0.53
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG11	19	0.53
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG12	19	0.53
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG13	19	0.53
(1,847)	1:42:A:LEU:HD21	1:43:A:VAL:H	1	0.53
(1,847)	1:42:A:LEU:HD22	1:43:A:VAL:H	1	0.53
(1,847)	1:42:A:LEU:HD23	1:43:A:VAL:H	1	0.53
(1,847)	1:42:A:LEU:HD21	1:43:A:VAL:H	18	0.53
(1,847)	1:42:A:LEU:HD22	1:43:A:VAL:H	18	0.53
(1,847)	1:42:A:LEU:HD23	1:43:A:VAL:H	18	0.53
(1,450)	1:8:A:PRO:HB3	1:41:A:GLY:HA3	9	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB1	14	0.53
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB2	14	0.53
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB3	14	0.53
(1,207)	1:44:A:GLU:HG3	1:45:A:LEU:H	5	0.53
(1,145)	1:65:A:ALA:HA	1:66:A:LEU:HB2	14	0.53
(1,142)	1:59:A:PHE:HB2	1:60:A:ILE:HG12	8	0.53
(1,56)	1:100:A:VAL:HG11	1:101:A:GLY:HA2	5	0.53
(1,56)	1:100:A:VAL:HG12	1:101:A:GLY:HA2	5	0.53
(1,56)	1:100:A:VAL:HG13	1:101:A:GLY:HA2	5	0.53
(1,52)	1:42:A:LEU:HD21	1:94:A:GLY:HA2	11	0.53
(1,52)	1:42:A:LEU:HD22	1:94:A:GLY:HA2	11	0.53
(1,52)	1:42:A:LEU:HD23	1:94:A:GLY:HA2	11	0.53
(1,43)	1:47:A:LYS:HG3	1:48:A:GLY:HA3	10	0.53
(1,2524)	1:99:A:HIS:HD2	1:101:A:GLY:HA3	8	0.52
(1,2327)	1:49:A:VAL:HG11	1:52:A:GLN:HE22	17	0.52
(1,2327)	1:49:A:VAL:HG12	1:52:A:GLN:HE22	17	0.52
(1,2327)	1:49:A:VAL:HG13	1:52:A:GLN:HE22	17	0.52
(1,2278)	1:41:A:GLY:H	1:96:A:LEU:HD21	15	0.52
(1,2278)	1:41:A:GLY:H	1:96:A:LEU:HD22	15	0.52
(1,2278)	1:41:A:GLY:H	1:96:A:LEU:HD23	15	0.52
(1,2235)	1:20:A:PHE:H	1:30:A:GLU:HB3	12	0.52
(1,2235)	1:20:A:PHE:H	1:30:A:GLU:HB3	20	0.52
(1,1733)	1:49:A:VAL:HG21	1:51:A:PRO:HD3	4	0.52
(1,1733)	1:49:A:VAL:HG22	1:51:A:PRO:HD3	4	0.52
(1,1733)	1:49:A:VAL:HG23	1:51:A:PRO:HD3	4	0.52
(1,1733)	1:49:A:VAL:HG21	1:51:A:PRO:HD3	8	0.52
(1,1733)	1:49:A:VAL:HG22	1:51:A:PRO:HD3	8	0.52
(1,1733)	1:49:A:VAL:HG23	1:51:A:PRO:HD3	8	0.52
(1,1733)	1:49:A:VAL:HG21	1:51:A:PRO:HD3	11	0.52
(1,1733)	1:49:A:VAL:HG22	1:51:A:PRO:HD3	11	0.52
(1,1733)	1:49:A:VAL:HG23	1:51:A:PRO:HD3	11	0.52
(1,1710)	1:7:A:LEU:HA	1:41:A:GLY:HA3	7	0.52
(1,1710)	1:7:A:LEU:HA	1:41:A:GLY:HA3	14	0.52
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG11	7	0.52
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG12	7	0.52
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG13	7	0.52
(1,1287)	1:34:A:HIS:HA	1:37:A:ASN:HB3	19	0.52
(1,1233)	1:103:A:THR:HG21	1:104:A:PRO:HD3	14	0.52
(1,1233)	1:103:A:THR:HG22	1:104:A:PRO:HD3	14	0.52
(1,1233)	1:103:A:THR:HG23	1:104:A:PRO:HD3	14	0.52
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG11	4	0.52
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG12	4	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG13	4	0.52
(1,1181)	1:74:A:VAL:HG21	1:75:A:VAL:H	19	0.52
(1,1181)	1:74:A:VAL:HG22	1:75:A:VAL:H	19	0.52
(1,1181)	1:74:A:VAL:HG23	1:75:A:VAL:H	19	0.52
(1,1166)	1:100:A:VAL:HG11	1:101:A:GLY:HA3	8	0.52
(1,1166)	1:100:A:VAL:HG12	1:101:A:GLY:HA3	8	0.52
(1,1166)	1:100:A:VAL:HG13	1:101:A:GLY:HA3	8	0.52
(1,1091)	1:58:A:VAL:HG21	1:59:A:PHE:H	9	0.52
(1,1091)	1:58:A:VAL:HG22	1:59:A:PHE:H	9	0.52
(1,1091)	1:58:A:VAL:HG23	1:59:A:PHE:H	9	0.52
(1,1088)	1:17:A:VAL:HG11	1:18:A:ARG:H	17	0.52
(1,1088)	1:17:A:VAL:HG12	1:18:A:ARG:H	17	0.52
(1,1088)	1:17:A:VAL:HG13	1:18:A:ARG:H	17	0.52
(1,1074)	1:53:A:LEU:HD11	1:97:A:VAL:HG21	17	0.52
(1,1074)	1:53:A:LEU:HD11	1:97:A:VAL:HG22	17	0.52
(1,1074)	1:53:A:LEU:HD11	1:97:A:VAL:HG23	17	0.52
(1,1074)	1:53:A:LEU:HD12	1:97:A:VAL:HG21	17	0.52
(1,1074)	1:53:A:LEU:HD12	1:97:A:VAL:HG22	17	0.52
(1,1074)	1:53:A:LEU:HD12	1:97:A:VAL:HG23	17	0.52
(1,1074)	1:53:A:LEU:HD13	1:97:A:VAL:HG21	17	0.52
(1,1074)	1:53:A:LEU:HD13	1:97:A:VAL:HG22	17	0.52
(1,1074)	1:53:A:LEU:HD13	1:97:A:VAL:HG23	17	0.52
(1,1017)	1:24:A:VAL:HG21	1:79:A:ALA:HB1	2	0.52
(1,1017)	1:24:A:VAL:HG21	1:79:A:ALA:HB2	2	0.52
(1,1017)	1:24:A:VAL:HG21	1:79:A:ALA:HB3	2	0.52
(1,1017)	1:24:A:VAL:HG22	1:79:A:ALA:HB1	2	0.52
(1,1017)	1:24:A:VAL:HG22	1:79:A:ALA:HB2	2	0.52
(1,1017)	1:24:A:VAL:HG22	1:79:A:ALA:HB3	2	0.52
(1,1017)	1:24:A:VAL:HG23	1:79:A:ALA:HB1	2	0.52
(1,1017)	1:24:A:VAL:HG23	1:79:A:ALA:HB2	2	0.52
(1,1017)	1:24:A:VAL:HG23	1:79:A:ALA:HB3	2	0.52
(1,1017)	1:24:A:VAL:HG21	1:79:A:ALA:HB1	8	0.52
(1,1017)	1:24:A:VAL:HG21	1:79:A:ALA:HB2	8	0.52
(1,1017)	1:24:A:VAL:HG21	1:79:A:ALA:HB3	8	0.52
(1,1017)	1:24:A:VAL:HG22	1:79:A:ALA:HB1	8	0.52
(1,1017)	1:24:A:VAL:HG22	1:79:A:ALA:HB2	8	0.52
(1,1017)	1:24:A:VAL:HG22	1:79:A:ALA:HB3	8	0.52
(1,1017)	1:24:A:VAL:HG23	1:79:A:ALA:HB1	8	0.52
(1,1017)	1:24:A:VAL:HG23	1:79:A:ALA:HB2	8	0.52
(1,1017)	1:24:A:VAL:HG23	1:79:A:ALA:HB3	8	0.52
(1,985)	1:96:A:LEU:HA	1:96:A:LEU:HD21	3	0.52
(1,985)	1:96:A:LEU:HA	1:96:A:LEU:HD22	3	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,985)	1:96:A:LEU:HA	1:96:A:LEU:HD23	3	0.52
(1,903)	1:74:A:VAL:HG11	1:111:A:LEU:HD11	17	0.52
(1,903)	1:74:A:VAL:HG11	1:111:A:LEU:HD12	17	0.52
(1,903)	1:74:A:VAL:HG11	1:111:A:LEU:HD13	17	0.52
(1,903)	1:74:A:VAL:HG12	1:111:A:LEU:HD11	17	0.52
(1,903)	1:74:A:VAL:HG12	1:111:A:LEU:HD12	17	0.52
(1,903)	1:74:A:VAL:HG12	1:111:A:LEU:HD13	17	0.52
(1,903)	1:74:A:VAL:HG13	1:111:A:LEU:HD11	17	0.52
(1,903)	1:74:A:VAL:HG13	1:111:A:LEU:HD12	17	0.52
(1,903)	1:74:A:VAL:HG13	1:111:A:LEU:HD13	17	0.52
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD21	6	0.52
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD22	6	0.52
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD23	6	0.52
(1,818)	1:62:A:ARG:HD2	1:73:A:LYS:HG3	6	0.52
(1,818)	1:62:A:ARG:HD3	1:73:A:LYS:HG3	6	0.52
(1,552)	1:17:A:VAL:HG11	1:18:A:ARG:HG2	15	0.52
(1,552)	1:17:A:VAL:HG12	1:18:A:ARG:HG2	15	0.52
(1,552)	1:17:A:VAL:HG13	1:18:A:ARG:HG2	15	0.52
(1,373)	1:80:A:GLU:HG2	1:85:A:GLN:HG3	12	0.52
(1,373)	1:80:A:GLU:HG3	1:85:A:GLN:HG3	12	0.52
(1,332)	1:11:A:GLN:HG3	1:13:A:ARG:H	7	0.52
(1,297)	1:56:A:PRO:HB3	1:80:A:GLU:H	13	0.52
(1,205)	1:42:A:LEU:HD11	1:44:A:GLU:HG2	20	0.52
(1,205)	1:42:A:LEU:HD12	1:44:A:GLU:HG2	20	0.52
(1,205)	1:42:A:LEU:HD13	1:44:A:GLU:HG2	20	0.52
(1,102)	1:15:A:VAL:HB	1:18:A:ARG:HD2	5	0.52
(1,35)	1:21:A:GLY:HA2	1:26:A:GLU:HG3	7	0.52
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE1	4	0.51
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE2	4	0.51
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE1	5	0.51
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE2	5	0.51
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE1	14	0.51
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE2	14	0.51
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE1	15	0.51
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE2	15	0.51
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE1	16	0.51
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE2	16	0.51
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE1	18	0.51
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE2	18	0.51
(1,2419)	1:42:A:LEU:HD21	1:94:A:GLY:H	5	0.51
(1,2419)	1:42:A:LEU:HD22	1:94:A:GLY:H	5	0.51
(1,2419)	1:42:A:LEU:HD23	1:94:A:GLY:H	5	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2184)	1:34:A:HIS:H	1:40:A:CYS:HB3	4	0.51
(1,2184)	1:34:A:HIS:H	1:40:A:CYS:HB3	8	0.51
(1,1733)	1:49:A:VAL:HG21	1:51:A:PRO:HD3	2	0.51
(1,1733)	1:49:A:VAL:HG22	1:51:A:PRO:HD3	2	0.51
(1,1733)	1:49:A:VAL:HG23	1:51:A:PRO:HD3	2	0.51
(1,1621)	1:63:A:SER:HB2	1:64:A:ASP:HA	15	0.51
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG11	16	0.51
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG12	16	0.51
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG13	16	0.51
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG11	1	0.51
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG12	1	0.51
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG13	1	0.51
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG11	1	0.51
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG12	1	0.51
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG13	1	0.51
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG11	1	0.51
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG12	1	0.51
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG13	1	0.51
(1,1233)	1:103:A:THR:HG21	1:104:A:PRO:HD3	7	0.51
(1,1233)	1:103:A:THR:HG22	1:104:A:PRO:HD3	7	0.51
(1,1233)	1:103:A:THR:HG23	1:104:A:PRO:HD3	7	0.51
(1,1185)	1:2:A:HIS:HB2	1:74:A:VAL:HG21	2	0.51
(1,1185)	1:2:A:HIS:HB2	1:74:A:VAL:HG22	2	0.51
(1,1185)	1:2:A:HIS:HB2	1:74:A:VAL:HG23	2	0.51
(1,1166)	1:100:A:VAL:HG11	1:101:A:GLY:HA3	18	0.51
(1,1166)	1:100:A:VAL:HG12	1:101:A:GLY:HA3	18	0.51
(1,1166)	1:100:A:VAL:HG13	1:101:A:GLY:HA3	18	0.51
(1,1166)	1:100:A:VAL:HG11	1:101:A:GLY:HA3	20	0.51
(1,1166)	1:100:A:VAL:HG12	1:101:A:GLY:HA3	20	0.51
(1,1166)	1:100:A:VAL:HG13	1:101:A:GLY:HA3	20	0.51
(1,1155)	1:9:A:VAL:HA	1:42:A:LEU:HB2	15	0.51
(1,1151)	1:10:A:LEU:HD21	1:41:A:GLY:HA2	18	0.51
(1,1151)	1:10:A:LEU:HD22	1:41:A:GLY:HA2	18	0.51
(1,1151)	1:10:A:LEU:HD23	1:41:A:GLY:HA2	18	0.51
(1,1026)	1:15:A:VAL:HG21	1:18:A:ARG:HD3	15	0.51
(1,1026)	1:15:A:VAL:HG22	1:18:A:ARG:HD3	15	0.51
(1,1026)	1:15:A:VAL:HG23	1:18:A:ARG:HD3	15	0.51
(1,903)	1:74:A:VAL:HG11	1:111:A:LEU:HD11	8	0.51
(1,903)	1:74:A:VAL:HG11	1:111:A:LEU:HD12	8	0.51
(1,903)	1:74:A:VAL:HG11	1:111:A:LEU:HD13	8	0.51
(1,903)	1:74:A:VAL:HG12	1:111:A:LEU:HD11	8	0.51
(1,903)	1:74:A:VAL:HG12	1:111:A:LEU:HD12	8	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,903)	1:74:A:VAL:HG12	1:111:A:LEU:HD13	8	0.51
(1,903)	1:74:A:VAL:HG13	1:111:A:LEU:HD11	8	0.51
(1,903)	1:74:A:VAL:HG13	1:111:A:LEU:HD12	8	0.51
(1,903)	1:74:A:VAL:HG13	1:111:A:LEU:HD13	8	0.51
(1,847)	1:42:A:LEU:HD21	1:43:A:VAL:H	2	0.51
(1,847)	1:42:A:LEU:HD22	1:43:A:VAL:H	2	0.51
(1,847)	1:42:A:LEU:HD23	1:43:A:VAL:H	2	0.51
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD21	10	0.51
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD22	10	0.51
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD23	10	0.51
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD21	11	0.51
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD22	11	0.51
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD23	11	0.51
(1,742)	1:42:A:LEU:HD21	1:60:A:ILE:HG13	10	0.51
(1,742)	1:42:A:LEU:HD22	1:60:A:ILE:HG13	10	0.51
(1,742)	1:42:A:LEU:HD23	1:60:A:ILE:HG13	10	0.51
(1,576)	1:11:A:GLN:HB3	1:14:A:ASP:HA	1	0.51
(1,460)	1:24:A:VAL:HB	1:25:A:GLU:HG3	11	0.51
(1,450)	1:8:A:PRO:HB3	1:41:A:GLY:HA3	20	0.51
(1,255)	1:20:A:PHE:HB2	1:30:A:GLU:HG2	10	0.51
(1,126)	1:25:A:GLU:HG3	1:28:A:LEU:HB2	7	0.51
(1,126)	1:25:A:GLU:HG3	1:28:A:LEU:HB3	7	0.51
(1,56)	1:100:A:VAL:HG11	1:101:A:GLY:HA2	14	0.51
(1,56)	1:100:A:VAL:HG12	1:101:A:GLY:HA2	14	0.51
(1,56)	1:100:A:VAL:HG13	1:101:A:GLY:HA2	14	0.51
(1,52)	1:42:A:LEU:HD21	1:94:A:GLY:HA2	16	0.51
(1,52)	1:42:A:LEU:HD22	1:94:A:GLY:HA2	16	0.51
(1,52)	1:42:A:LEU:HD23	1:94:A:GLY:HA2	16	0.51
(1,15)	1:9:A:VAL:HG11	1:42:A:LEU:HB2	14	0.51
(1,15)	1:9:A:VAL:HG12	1:42:A:LEU:HB2	14	0.51
(1,15)	1:9:A:VAL:HG13	1:42:A:LEU:HB2	14	0.51
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE1	2	0.5
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE2	2	0.5
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE1	3	0.5
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE2	3	0.5
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE1	6	0.5
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE2	6	0.5
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE1	7	0.5
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE2	7	0.5
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE1	9	0.5
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE2	9	0.5
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE1	10	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE2	10	0.5
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE1	11	0.5
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE2	11	0.5
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE1	13	0.5
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE2	13	0.5
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE1	17	0.5
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE2	17	0.5
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE1	19	0.5
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE2	19	0.5
(1,2416)	1:93:A:LEU:HB3	1:94:A:GLY:H	13	0.5
(1,2351)	1:4:A:GLN:HE22	1:5:A:LEU:H	1	0.5
(1,2351)	1:4:A:GLN:HE22	1:5:A:LEU:H	9	0.5
(1,2313)	1:4:A:GLN:HE22	1:109:A:ASN:HD22	12	0.5
(1,2257)	1:20:A:PHE:HB3	1:28:A:LEU:H	20	0.5
(1,2184)	1:34:A:HIS:H	1:40:A:CYS:HB3	6	0.5
(1,2110)	1:36:A:LYS:H	1:37:A:ASN:HB3	4	0.5
(1,2100)	1:63:A:SER:HB2	1:66:A:LEU:H	2	0.5
(1,1824)	1:10:A:LEU:H	1:42:A:LEU:HB2	12	0.5
(1,1537)	1:59:A:PHE:HA	1:60:A:ILE:HG13	8	0.5
(1,1358)	1:63:A:SER:HA	1:76:A:GLU:HB2	9	0.5
(1,1287)	1:34:A:HIS:HA	1:37:A:ASN:HB3	6	0.5
(1,995)	1:15:A:VAL:HG21	1:18:A:ARG:HG3	19	0.5
(1,995)	1:15:A:VAL:HG22	1:18:A:ARG:HG3	19	0.5
(1,995)	1:15:A:VAL:HG23	1:18:A:ARG:HG3	19	0.5
(1,985)	1:96:A:LEU:HA	1:96:A:LEU:HD21	6	0.5
(1,985)	1:96:A:LEU:HA	1:96:A:LEU:HD22	6	0.5
(1,985)	1:96:A:LEU:HA	1:96:A:LEU:HD23	6	0.5
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG11	18	0.5
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG12	18	0.5
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG13	18	0.5
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG11	18	0.5
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG12	18	0.5
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG13	18	0.5
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG11	15	0.5
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG12	15	0.5
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG13	15	0.5
(1,847)	1:42:A:LEU:HD21	1:43:A:VAL:H	20	0.5
(1,847)	1:42:A:LEU:HD22	1:43:A:VAL:H	20	0.5
(1,847)	1:42:A:LEU:HD23	1:43:A:VAL:H	20	0.5
(1,640)	1:23:A:SER:HB2	1:24:A:VAL:H	14	0.5
(1,435)	1:42:A:LEU:HD11	1:108:A:ARG:HB2	13	0.5
(1,435)	1:42:A:LEU:HD12	1:108:A:ARG:HB2	13	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,435)	1:42:A:LEU:HD13	1:108:A:ARG:HB2	13	0.5
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB1	18	0.5
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB2	18	0.5
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB3	18	0.5
(1,204)	1:43:A:VAL:HA	1:44:A:GLU:HG2	15	0.5
(1,65)	1:41:A:GLY:HA3	1:99:A:HIS:HB3	3	0.5
(1,65)	1:41:A:GLY:HA3	1:99:A:HIS:HB3	17	0.5
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE1	20	0.49
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE2	20	0.49
(1,2351)	1:4:A:GLN:HE22	1:5:A:LEU:H	19	0.49
(1,2282)	1:8:A:PRO:HG3	1:41:A:GLY:H	18	0.49
(1,2184)	1:34:A:HIS:H	1:40:A:CYS:HB3	18	0.49
(1,1757)	1:24:A:VAL:HG11	1:56:A:PRO:HD3	3	0.49
(1,1757)	1:24:A:VAL:HG12	1:56:A:PRO:HD3	3	0.49
(1,1757)	1:24:A:VAL:HG13	1:56:A:PRO:HD3	3	0.49
(1,1733)	1:49:A:VAL:HG21	1:51:A:PRO:HD3	6	0.49
(1,1733)	1:49:A:VAL:HG22	1:51:A:PRO:HD3	6	0.49
(1,1733)	1:49:A:VAL:HG23	1:51:A:PRO:HD3	6	0.49
(1,1642)	1:2:A:HIS:HB2	1:112:A:LEU:HA	12	0.49
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG11	2	0.49
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG12	2	0.49
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG13	2	0.49
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG11	8	0.49
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG12	8	0.49
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG13	8	0.49
(1,1387)	1:15:A:VAL:HG21	1:97:A:VAL:HA	5	0.49
(1,1387)	1:15:A:VAL:HG22	1:97:A:VAL:HA	5	0.49
(1,1387)	1:15:A:VAL:HG23	1:97:A:VAL:HA	5	0.49
(1,1349)	1:62:A:ARG:HG3	1:75:A:VAL:HA	7	0.49
(1,1287)	1:34:A:HIS:HA	1:37:A:ASN:HB3	3	0.49
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD21	17	0.49
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD22	17	0.49
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD23	17	0.49
(1,1151)	1:10:A:LEU:HD21	1:41:A:GLY:HA2	4	0.49
(1,1151)	1:10:A:LEU:HD22	1:41:A:GLY:HA2	4	0.49
(1,1151)	1:10:A:LEU:HD23	1:41:A:GLY:HA2	4	0.49
(1,1034)	1:8:A:PRO:HB3	1:104:A:PRO:HA	18	0.49
(1,1023)	1:15:A:VAL:HG21	1:16:A:LEU:H	8	0.49
(1,1023)	1:15:A:VAL:HG22	1:16:A:LEU:H	8	0.49
(1,1023)	1:15:A:VAL:HG23	1:16:A:LEU:H	8	0.49
(1,1023)	1:15:A:VAL:HG21	1:16:A:LEU:H	19	0.49
(1,1023)	1:15:A:VAL:HG22	1:16:A:LEU:H	19	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1023)	1:15:A:VAL:HG23	1:16:A:LEU:H	19	0.49
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD21	16	0.49
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD22	16	0.49
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD23	16	0.49
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD21	12	0.49
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD22	12	0.49
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD23	12	0.49
(1,640)	1:23:A:SER:HB2	1:24:A:VAL:H	6	0.49
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG21	5	0.49
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG22	5	0.49
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG23	5	0.49
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG21	7	0.49
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG22	7	0.49
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG23	7	0.49
(1,532)	1:10:A:LEU:HB2	1:102:A:GLU:HB2	9	0.49
(1,332)	1:11:A:GLN:HG3	1:13:A:ARG:H	5	0.49
(1,211)	1:43:A:VAL:HG11	1:44:A:GLU:HG2	8	0.49
(1,211)	1:43:A:VAL:HG12	1:44:A:GLU:HG2	8	0.49
(1,211)	1:43:A:VAL:HG13	1:44:A:GLU:HG2	8	0.49
(1,52)	1:42:A:LEU:HD21	1:94:A:GLY:HA2	3	0.49
(1,52)	1:42:A:LEU:HD22	1:94:A:GLY:HA2	3	0.49
(1,52)	1:42:A:LEU:HD23	1:94:A:GLY:HA2	3	0.49
(1,44)	1:48:A:GLY:HA3	1:51:A:PRO:HD3	11	0.49
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE1	1	0.48
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE2	1	0.48
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE1	8	0.48
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE2	8	0.48
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE1	12	0.48
(1,2532)	1:8:A:PRO:HB2	1:107:A:TYR:HE2	12	0.48
(1,2426)	1:21:A:GLY:H	1:30:A:GLU:HB3	17	0.48
(1,2351)	1:4:A:GLN:HE22	1:5:A:LEU:H	17	0.48
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG11	5	0.48
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG12	5	0.48
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG13	5	0.48
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG11	13	0.48
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG12	13	0.48
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG13	13	0.48
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG11	10	0.48
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG12	10	0.48
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG13	10	0.48
(1,1995)	1:10:A:LEU:HB2	1:11:A:GLN:H	11	0.48
(1,1733)	1:49:A:VAL:HG21	1:51:A:PRO:HD3	12	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1733)	1:49:A:VAL:HG22	1:51:A:PRO:HD3	12	0.48
(1,1733)	1:49:A:VAL:HG23	1:51:A:PRO:HD3	12	0.48
(1,1710)	1:7:A:LEU:HA	1:41:A:GLY:HA3	18	0.48
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD21	15	0.48
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD22	15	0.48
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD23	15	0.48
(1,1151)	1:10:A:LEU:HD21	1:41:A:GLY:HA2	10	0.48
(1,1151)	1:10:A:LEU:HD22	1:41:A:GLY:HA2	10	0.48
(1,1151)	1:10:A:LEU:HD23	1:41:A:GLY:HA2	10	0.48
(1,1023)	1:15:A:VAL:HG21	1:16:A:LEU:H	9	0.48
(1,1023)	1:15:A:VAL:HG22	1:16:A:LEU:H	9	0.48
(1,1023)	1:15:A:VAL:HG23	1:16:A:LEU:H	9	0.48
(1,1023)	1:15:A:VAL:HG21	1:16:A:LEU:H	12	0.48
(1,1023)	1:15:A:VAL:HG22	1:16:A:LEU:H	12	0.48
(1,1023)	1:15:A:VAL:HG23	1:16:A:LEU:H	12	0.48
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG11	10	0.48
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG12	10	0.48
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG13	10	0.48
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG11	13	0.48
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG12	13	0.48
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG13	13	0.48
(1,742)	1:42:A:LEU:HD21	1:60:A:ILE:HG13	7	0.48
(1,742)	1:42:A:LEU:HD22	1:60:A:ILE:HG13	7	0.48
(1,742)	1:42:A:LEU:HD23	1:60:A:ILE:HG13	7	0.48
(1,576)	1:11:A:GLN:HB3	1:14:A:ASP:HA	4	0.48
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG21	14	0.48
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG22	14	0.48
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG23	14	0.48
(1,450)	1:8:A:PRO:HB3	1:41:A:GLY:HA3	17	0.48
(1,373)	1:80:A:GLU:HG2	1:85:A:GLN:HG3	18	0.48
(1,373)	1:80:A:GLU:HG3	1:85:A:GLN:HG3	18	0.48
(1,366)	1:55:A:GLN:HG3	1:57:A:TYR:HE1	6	0.48
(1,366)	1:55:A:GLN:HG3	1:57:A:TYR:HE2	6	0.48
(1,207)	1:44:A:GLU:HG3	1:45:A:LEU:H	2	0.48
(1,65)	1:41:A:GLY:HA3	1:99:A:HIS:HB3	13	0.48
(1,44)	1:48:A:GLY:HA3	1:51:A:PRO:HD3	10	0.48
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG11	9	0.48
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG12	9	0.48
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG13	9	0.48
(1,2352)	1:4:A:GLN:HE22	1:111:A:LEU:HD11	5	0.47
(1,2352)	1:4:A:GLN:HE22	1:111:A:LEU:HD12	5	0.47
(1,2352)	1:4:A:GLN:HE22	1:111:A:LEU:HD13	5	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2325)	1:48:A:GLY:HA2	1:52:A:GLN:HE22	13	0.47
(1,1739)	1:50:A:LEU:HB3	1:51:A:PRO:HD2	1	0.47
(1,1733)	1:49:A:VAL:HG21	1:51:A:PRO:HD3	3	0.47
(1,1733)	1:49:A:VAL:HG22	1:51:A:PRO:HD3	3	0.47
(1,1733)	1:49:A:VAL:HG23	1:51:A:PRO:HD3	3	0.47
(1,1642)	1:2:A:HIS:HB2	1:112:A:LEU:HA	16	0.47
(1,1387)	1:15:A:VAL:HG21	1:97:A:VAL:HA	13	0.47
(1,1387)	1:15:A:VAL:HG22	1:97:A:VAL:HA	13	0.47
(1,1387)	1:15:A:VAL:HG23	1:97:A:VAL:HA	13	0.47
(1,1325)	1:36:A:LYS:HA	1:36:A:LYS:HD3	14	0.47
(1,1247)	1:39:A:THR:HA	1:40:A:CYS:HB2	12	0.47
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG11	14	0.47
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG12	14	0.47
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG13	14	0.47
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG11	14	0.47
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG12	14	0.47
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG13	14	0.47
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG11	14	0.47
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG12	14	0.47
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG13	14	0.47
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG11	18	0.47
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG12	18	0.47
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG13	18	0.47
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG11	18	0.47
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG12	18	0.47
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG13	18	0.47
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG11	18	0.47
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG12	18	0.47
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG13	18	0.47
(1,1233)	1:103:A:THR:HG21	1:104:A:PRO:HD3	10	0.47
(1,1233)	1:103:A:THR:HG22	1:104:A:PRO:HD3	10	0.47
(1,1233)	1:103:A:THR:HG23	1:104:A:PRO:HD3	10	0.47
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG11	14	0.47
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG12	14	0.47
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG13	14	0.47
(1,1181)	1:74:A:VAL:HG21	1:75:A:VAL:H	17	0.47
(1,1181)	1:74:A:VAL:HG22	1:75:A:VAL:H	17	0.47
(1,1181)	1:74:A:VAL:HG23	1:75:A:VAL:H	17	0.47
(1,1163)	1:3:A:VAL:HA	1:4:A:GLN:HB3	10	0.47
(1,1123)	1:24:A:VAL:HG11	1:81:A:MET:HB2	1	0.47
(1,1123)	1:24:A:VAL:HG12	1:81:A:MET:HB2	1	0.47
(1,1123)	1:24:A:VAL:HG13	1:81:A:MET:HB2	1	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1023)	1:15:A:VAL:HG21	1:16:A:LEU:H	17	0.47
(1,1023)	1:15:A:VAL:HG22	1:16:A:LEU:H	17	0.47
(1,1023)	1:15:A:VAL:HG23	1:16:A:LEU:H	17	0.47
(1,990)	1:15:A:VAL:HG21	1:97:A:VAL:H	13	0.47
(1,990)	1:15:A:VAL:HG22	1:97:A:VAL:H	13	0.47
(1,990)	1:15:A:VAL:HG23	1:97:A:VAL:H	13	0.47
(1,985)	1:96:A:LEU:HA	1:96:A:LEU:HD21	4	0.47
(1,985)	1:96:A:LEU:HA	1:96:A:LEU:HD22	4	0.47
(1,985)	1:96:A:LEU:HA	1:96:A:LEU:HD23	4	0.47
(1,909)	1:28:A:LEU:HD21	1:77:A:LEU:HA	7	0.47
(1,909)	1:28:A:LEU:HD22	1:77:A:LEU:HA	7	0.47
(1,909)	1:28:A:LEU:HD23	1:77:A:LEU:HA	7	0.47
(1,903)	1:74:A:VAL:HG11	1:111:A:LEU:HD11	7	0.47
(1,903)	1:74:A:VAL:HG11	1:111:A:LEU:HD12	7	0.47
(1,903)	1:74:A:VAL:HG11	1:111:A:LEU:HD13	7	0.47
(1,903)	1:74:A:VAL:HG12	1:111:A:LEU:HD11	7	0.47
(1,903)	1:74:A:VAL:HG12	1:111:A:LEU:HD12	7	0.47
(1,903)	1:74:A:VAL:HG12	1:111:A:LEU:HD13	7	0.47
(1,903)	1:74:A:VAL:HG13	1:111:A:LEU:HD11	7	0.47
(1,903)	1:74:A:VAL:HG13	1:111:A:LEU:HD12	7	0.47
(1,903)	1:74:A:VAL:HG13	1:111:A:LEU:HD13	7	0.47
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD11	19	0.47
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD12	19	0.47
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD13	19	0.47
(1,707)	1:42:A:LEU:HD11	1:108:A:ARG:HG2	20	0.47
(1,707)	1:42:A:LEU:HD12	1:108:A:ARG:HG2	20	0.47
(1,707)	1:42:A:LEU:HD13	1:108:A:ARG:HG2	20	0.47
(1,638)	1:89:A:SER:HB2	1:91:A:ILE:HG12	19	0.47
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG21	6	0.47
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG22	6	0.47
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG23	6	0.47
(1,552)	1:17:A:VAL:HG11	1:18:A:ARG:HG2	13	0.47
(1,552)	1:17:A:VAL:HG12	1:18:A:ARG:HG2	13	0.47
(1,552)	1:17:A:VAL:HG13	1:18:A:ARG:HG2	13	0.47
(1,464)	1:51:A:PRO:HB3	1:52:A:GLN:HG2	9	0.47
(1,460)	1:24:A:VAL:HB	1:25:A:GLU:HG3	6	0.47
(1,437)	1:42:A:LEU:HD11	1:108:A:ARG:HB3	11	0.47
(1,437)	1:42:A:LEU:HD12	1:108:A:ARG:HB3	11	0.47
(1,437)	1:42:A:LEU:HD13	1:108:A:ARG:HB3	11	0.47
(1,366)	1:55:A:GLN:HG3	1:57:A:TYR:HE1	15	0.47
(1,366)	1:55:A:GLN:HG3	1:57:A:TYR:HE2	15	0.47
(1,366)	1:55:A:GLN:HG3	1:57:A:TYR:HE1	18	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,366)	1:55:A:GLN:HG3	1:57:A:TYR:HE2	18	0.47
(1,332)	1:11:A:GLN:HG3	1:13:A:ARG:H	1	0.47
(1,255)	1:20:A:PHE:HB2	1:30:A:GLU:HG2	16	0.47
(1,243)	1:24:A:VAL:HG21	1:25:A:GLU:HG2	15	0.47
(1,243)	1:24:A:VAL:HG22	1:25:A:GLU:HG2	15	0.47
(1,243)	1:24:A:VAL:HG23	1:25:A:GLU:HG2	15	0.47
(1,207)	1:44:A:GLU:HG3	1:45:A:LEU:H	1	0.47
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG11	19	0.47
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG12	19	0.47
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG13	19	0.47
(1,2509)	1:2:A:HIS:HD2	1:74:A:VAL:HG21	10	0.46
(1,2509)	1:2:A:HIS:HD2	1:74:A:VAL:HG22	10	0.46
(1,2509)	1:2:A:HIS:HD2	1:74:A:VAL:HG23	10	0.46
(1,2351)	1:4:A:GLN:HE22	1:5:A:LEU:H	15	0.46
(1,2325)	1:48:A:GLY:HA2	1:52:A:GLN:HE22	20	0.46
(1,2312)	1:114:A:LYS:HA	1:115:A:ASN:HD22	4	0.46
(1,2281)	1:41:A:GLY:H	1:99:A:HIS:HB3	18	0.46
(1,2235)	1:20:A:PHE:H	1:30:A:GLU:HB3	7	0.46
(1,2235)	1:20:A:PHE:H	1:30:A:GLU:HB3	16	0.46
(1,2184)	1:34:A:HIS:H	1:40:A:CYS:HB3	16	0.46
(1,2110)	1:36:A:LYS:H	1:37:A:ASN:HB3	8	0.46
(1,1824)	1:10:A:LEU:H	1:42:A:LEU:HB2	4	0.46
(1,1739)	1:50:A:LEU:HB3	1:51:A:PRO:HD2	19	0.46
(1,1733)	1:49:A:VAL:HG21	1:51:A:PRO:HD3	20	0.46
(1,1733)	1:49:A:VAL:HG22	1:51:A:PRO:HD3	20	0.46
(1,1733)	1:49:A:VAL:HG23	1:51:A:PRO:HD3	20	0.46
(1,1537)	1:59:A:PHE:HA	1:60:A:ILE:HG13	13	0.46
(1,1387)	1:15:A:VAL:HG21	1:97:A:VAL:HA	16	0.46
(1,1387)	1:15:A:VAL:HG22	1:97:A:VAL:HA	16	0.46
(1,1387)	1:15:A:VAL:HG23	1:97:A:VAL:HA	16	0.46
(1,1315)	1:16:A:LEU:HB2	1:17:A:VAL:HG21	6	0.46
(1,1315)	1:16:A:LEU:HB2	1:17:A:VAL:HG22	6	0.46
(1,1315)	1:16:A:LEU:HB2	1:17:A:VAL:HG23	6	0.46
(1,1315)	1:16:A:LEU:HB3	1:17:A:VAL:HG21	6	0.46
(1,1315)	1:16:A:LEU:HB3	1:17:A:VAL:HG22	6	0.46
(1,1315)	1:16:A:LEU:HB3	1:17:A:VAL:HG23	6	0.46
(1,1155)	1:9:A:VAL:HA	1:42:A:LEU:HB2	18	0.46
(1,1023)	1:15:A:VAL:HG21	1:16:A:LEU:H	13	0.46
(1,1023)	1:15:A:VAL:HG22	1:16:A:LEU:H	13	0.46
(1,1023)	1:15:A:VAL:HG23	1:16:A:LEU:H	13	0.46
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB1	7	0.46
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB2	7	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB3	7	0.46
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB1	7	0.46
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB2	7	0.46
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB3	7	0.46
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB1	7	0.46
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB2	7	0.46
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB3	7	0.46
(1,985)	1:96:A:LEU:HA	1:96:A:LEU:HD21	15	0.46
(1,985)	1:96:A:LEU:HA	1:96:A:LEU:HD22	15	0.46
(1,985)	1:96:A:LEU:HA	1:96:A:LEU:HD23	15	0.46
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG11	4	0.46
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG12	4	0.46
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG13	4	0.46
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG11	4	0.46
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG12	4	0.46
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG13	4	0.46
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD11	3	0.46
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD12	3	0.46
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD13	3	0.46
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD11	5	0.46
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD12	5	0.46
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD13	5	0.46
(1,466)	1:72:A:HIS:HB2	1:73:A:LYS:HG2	7	0.46
(1,466)	1:72:A:HIS:HB3	1:73:A:LYS:HG2	7	0.46
(1,466)	1:72:A:HIS:HB2	1:73:A:LYS:HG2	13	0.46
(1,466)	1:72:A:HIS:HB3	1:73:A:LYS:HG2	13	0.46
(1,435)	1:42:A:LEU:HD11	1:108:A:ARG:HB2	8	0.46
(1,435)	1:42:A:LEU:HD12	1:108:A:ARG:HB2	8	0.46
(1,435)	1:42:A:LEU:HD13	1:108:A:ARG:HB2	8	0.46
(1,366)	1:55:A:GLN:HG3	1:57:A:TYR:HE1	20	0.46
(1,366)	1:55:A:GLN:HG3	1:57:A:TYR:HE2	20	0.46
(1,210)	1:42:A:LEU:HG	1:44:A:GLU:HG2	8	0.46
(1,207)	1:44:A:GLU:HG3	1:45:A:LEU:H	14	0.46
(1,139)	1:63:A:SER:HB2	1:66:A:LEU:HB2	16	0.46
(1,126)	1:25:A:GLU:HG3	1:28:A:LEU:HB2	17	0.46
(1,126)	1:25:A:GLU:HG3	1:28:A:LEU:HB3	17	0.46
(1,2528)	1:78:A:VAL:HG11	1:86:A:TYR:HE1	14	0.45
(1,2528)	1:78:A:VAL:HG11	1:86:A:TYR:HE2	14	0.45
(1,2528)	1:78:A:VAL:HG12	1:86:A:TYR:HE1	14	0.45
(1,2528)	1:78:A:VAL:HG12	1:86:A:TYR:HE2	14	0.45
(1,2528)	1:78:A:VAL:HG13	1:86:A:TYR:HE1	14	0.45
(1,2528)	1:78:A:VAL:HG13	1:86:A:TYR:HE2	14	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2416)	1:93:A:LEU:HB3	1:94:A:GLY:H	11	0.45
(1,2416)	1:93:A:LEU:HB3	1:94:A:GLY:H	12	0.45
(1,2416)	1:93:A:LEU:HB3	1:94:A:GLY:H	19	0.45
(1,2325)	1:48:A:GLY:HA2	1:52:A:GLN:HE22	1	0.45
(1,2122)	1:63:A:SER:H	1:63:A:SER:HB3	10	0.45
(1,2122)	1:63:A:SER:H	1:63:A:SER:HB3	20	0.45
(1,2000)	1:20:A:PHE:HB2	1:30:A:GLU:H	2	0.45
(1,1995)	1:10:A:LEU:HB2	1:11:A:GLN:H	20	0.45
(1,1739)	1:50:A:LEU:HB3	1:51:A:PRO:HD2	15	0.45
(1,1729)	1:50:A:LEU:HD11	1:51:A:PRO:HD2	7	0.45
(1,1729)	1:50:A:LEU:HD12	1:51:A:PRO:HD2	7	0.45
(1,1729)	1:50:A:LEU:HD13	1:51:A:PRO:HD2	7	0.45
(1,1728)	1:7:A:LEU:HD11	1:8:A:PRO:HD3	10	0.45
(1,1728)	1:7:A:LEU:HD12	1:8:A:PRO:HD3	10	0.45
(1,1728)	1:7:A:LEU:HD13	1:8:A:PRO:HD3	10	0.45
(1,1710)	1:7:A:LEU:HA	1:41:A:GLY:HA3	9	0.45
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG11	5	0.45
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG12	5	0.45
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG13	5	0.45
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG11	6	0.45
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG12	6	0.45
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG13	6	0.45
(1,1403)	1:28:A:LEU:HA	1:28:A:LEU:HD21	7	0.45
(1,1403)	1:28:A:LEU:HA	1:28:A:LEU:HD22	7	0.45
(1,1403)	1:28:A:LEU:HA	1:28:A:LEU:HD23	7	0.45
(1,1358)	1:63:A:SER:HA	1:76:A:GLU:HB2	2	0.45
(1,1325)	1:36:A:LYS:HA	1:36:A:LYS:HD3	12	0.45
(1,1242)	1:74:A:VAL:H	1:74:A:VAL:HG11	20	0.45
(1,1242)	1:74:A:VAL:H	1:74:A:VAL:HG12	20	0.45
(1,1242)	1:74:A:VAL:H	1:74:A:VAL:HG13	20	0.45
(1,1233)	1:103:A:THR:HG21	1:104:A:PRO:HD3	9	0.45
(1,1233)	1:103:A:THR:HG22	1:104:A:PRO:HD3	9	0.45
(1,1233)	1:103:A:THR:HG23	1:104:A:PRO:HD3	9	0.45
(1,1185)	1:2:A:HIS:HB2	1:74:A:VAL:HG21	9	0.45
(1,1185)	1:2:A:HIS:HB2	1:74:A:VAL:HG22	9	0.45
(1,1185)	1:2:A:HIS:HB2	1:74:A:VAL:HG23	9	0.45
(1,1166)	1:100:A:VAL:HG11	1:101:A:GLY:HA3	5	0.45
(1,1166)	1:100:A:VAL:HG12	1:101:A:GLY:HA3	5	0.45
(1,1166)	1:100:A:VAL:HG13	1:101:A:GLY:HA3	5	0.45
(1,1163)	1:3:A:VAL:HA	1:4:A:GLN:HB3	16	0.45
(1,1101)	1:58:A:VAL:HG21	1:77:A:LEU:HD21	14	0.45
(1,1101)	1:58:A:VAL:HG21	1:77:A:LEU:HD22	14	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1101)	1:58:A:VAL:HG21	1:77:A:LEU:HD23	14	0.45
(1,1101)	1:58:A:VAL:HG22	1:77:A:LEU:HD21	14	0.45
(1,1101)	1:58:A:VAL:HG22	1:77:A:LEU:HD22	14	0.45
(1,1101)	1:58:A:VAL:HG22	1:77:A:LEU:HD23	14	0.45
(1,1101)	1:58:A:VAL:HG23	1:77:A:LEU:HD21	14	0.45
(1,1101)	1:58:A:VAL:HG23	1:77:A:LEU:HD22	14	0.45
(1,1101)	1:58:A:VAL:HG23	1:77:A:LEU:HD23	14	0.45
(1,1017)	1:24:A:VAL:HG21	1:79:A:ALA:HB1	18	0.45
(1,1017)	1:24:A:VAL:HG21	1:79:A:ALA:HB2	18	0.45
(1,1017)	1:24:A:VAL:HG21	1:79:A:ALA:HB3	18	0.45
(1,1017)	1:24:A:VAL:HG22	1:79:A:ALA:HB1	18	0.45
(1,1017)	1:24:A:VAL:HG22	1:79:A:ALA:HB2	18	0.45
(1,1017)	1:24:A:VAL:HG22	1:79:A:ALA:HB3	18	0.45
(1,1017)	1:24:A:VAL:HG23	1:79:A:ALA:HB1	18	0.45
(1,1017)	1:24:A:VAL:HG23	1:79:A:ALA:HB2	18	0.45
(1,1017)	1:24:A:VAL:HG23	1:79:A:ALA:HB3	18	0.45
(1,990)	1:15:A:VAL:HG21	1:97:A:VAL:H	4	0.45
(1,990)	1:15:A:VAL:HG22	1:97:A:VAL:H	4	0.45
(1,990)	1:15:A:VAL:HG23	1:97:A:VAL:H	4	0.45
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG11	7	0.45
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG12	7	0.45
(1,981)	1:10:A:LEU:HB2	1:15:A:VAL:HG13	7	0.45
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG11	7	0.45
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG12	7	0.45
(1,981)	1:10:A:LEU:HB3	1:15:A:VAL:HG13	7	0.45
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG11	4	0.45
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG12	4	0.45
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG13	4	0.45
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG11	1	0.45
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG12	1	0.45
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG13	1	0.45
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG11	7	0.45
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG12	7	0.45
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG13	7	0.45
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG11	10	0.45
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG12	10	0.45
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG13	10	0.45
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG11	18	0.45
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG12	18	0.45
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG13	18	0.45
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD21	18	0.45
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD22	18	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD23	18	0.45
(1,888)	1:7:A:LEU:HD11	1:40:A:CYS:HA	10	0.45
(1,888)	1:7:A:LEU:HD12	1:40:A:CYS:HA	10	0.45
(1,888)	1:7:A:LEU:HD13	1:40:A:CYS:HA	10	0.45
(1,884)	1:112:A:LEU:HA	1:112:A:LEU:HD21	5	0.45
(1,884)	1:112:A:LEU:HA	1:112:A:LEU:HD22	5	0.45
(1,884)	1:112:A:LEU:HA	1:112:A:LEU:HD23	5	0.45
(1,818)	1:62:A:ARG:HD2	1:73:A:LYS:HG3	10	0.45
(1,818)	1:62:A:ARG:HD3	1:73:A:LYS:HG3	10	0.45
(1,682)	1:8:A:PRO:HG3	1:104:A:PRO:HB3	14	0.45
(1,561)	1:11:A:GLN:HB2	1:13:A:ARG:HG3	20	0.45
(1,437)	1:42:A:LEU:HD11	1:108:A:ARG:HB3	20	0.45
(1,437)	1:42:A:LEU:HD12	1:108:A:ARG:HB3	20	0.45
(1,437)	1:42:A:LEU:HD13	1:108:A:ARG:HB3	20	0.45
(1,366)	1:55:A:GLN:HG3	1:57:A:TYR:HE1	2	0.45
(1,366)	1:55:A:GLN:HG3	1:57:A:TYR:HE2	2	0.45
(1,366)	1:55:A:GLN:HG3	1:57:A:TYR:HE1	4	0.45
(1,366)	1:55:A:GLN:HG3	1:57:A:TYR:HE2	4	0.45
(1,332)	1:11:A:GLN:HG3	1:13:A:ARG:H	6	0.45
(1,332)	1:11:A:GLN:HG3	1:13:A:ARG:H	9	0.45
(1,256)	1:24:A:VAL:HG11	1:25:A:GLU:HG2	20	0.45
(1,256)	1:24:A:VAL:HG12	1:25:A:GLU:HG2	20	0.45
(1,256)	1:24:A:VAL:HG13	1:25:A:GLU:HG2	20	0.45
(1,207)	1:44:A:GLU:HG3	1:45:A:LEU:H	20	0.45
(1,204)	1:43:A:VAL:HA	1:44:A:GLU:HG2	13	0.45
(1,132)	1:108:A:ARG:HA	1:108:A:ARG:HD2	8	0.45
(1,65)	1:41:A:GLY:HA3	1:99:A:HIS:HB3	6	0.45
(1,5)	1:20:A:PHE:HA	1:98:A:PRO:HD2	17	0.45
(1,2)	1:17:A:VAL:HG11	1:98:A:PRO:HD3	18	0.45
(1,2)	1:17:A:VAL:HG12	1:98:A:PRO:HD3	18	0.45
(1,2)	1:17:A:VAL:HG13	1:98:A:PRO:HD3	18	0.45
(1,2)	1:17:A:VAL:HG21	1:98:A:PRO:HD3	18	0.45
(1,2)	1:17:A:VAL:HG22	1:98:A:PRO:HD3	18	0.45
(1,2)	1:17:A:VAL:HG23	1:98:A:PRO:HD3	18	0.45
(1,2426)	1:21:A:GLY:H	1:30:A:GLU:HB3	13	0.44
(1,2416)	1:93:A:LEU:HB3	1:94:A:GLY:H	17	0.44
(1,2361)	1:4:A:GLN:HE21	1:109:A:ASN:HD22	3	0.44
(1,2235)	1:20:A:PHE:H	1:30:A:GLU:HB3	9	0.44
(1,2184)	1:34:A:HIS:H	1:40:A:CYS:HB3	13	0.44
(1,2000)	1:20:A:PHE:HB2	1:30:A:GLU:H	7	0.44
(1,1961)	1:45:A:LEU:H	1:45:A:LEU:HB3	18	0.44
(1,1739)	1:50:A:LEU:HB3	1:51:A:PRO:HD2	12	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1733)	1:49:A:VAL:HG21	1:51:A:PRO:HD3	19	0.44
(1,1733)	1:49:A:VAL:HG22	1:51:A:PRO:HD3	19	0.44
(1,1733)	1:49:A:VAL:HG23	1:51:A:PRO:HD3	19	0.44
(1,1710)	1:7:A:LEU:HA	1:41:A:GLY:HA3	3	0.44
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB1	19	0.44
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB2	19	0.44
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB3	19	0.44
(1,1387)	1:15:A:VAL:HG21	1:97:A:VAL:HA	18	0.44
(1,1387)	1:15:A:VAL:HG22	1:97:A:VAL:HA	18	0.44
(1,1387)	1:15:A:VAL:HG23	1:97:A:VAL:HA	18	0.44
(1,1317)	1:100:A:VAL:H	1:100:A:VAL:HG21	11	0.44
(1,1317)	1:100:A:VAL:H	1:100:A:VAL:HG22	11	0.44
(1,1317)	1:100:A:VAL:H	1:100:A:VAL:HG23	11	0.44
(1,1256)	1:25:A:GLU:HA	1:28:A:LEU:HD11	16	0.44
(1,1256)	1:25:A:GLU:HA	1:28:A:LEU:HD12	16	0.44
(1,1256)	1:25:A:GLU:HA	1:28:A:LEU:HD13	16	0.44
(1,1233)	1:103:A:THR:HG21	1:104:A:PRO:HD3	20	0.44
(1,1233)	1:103:A:THR:HG22	1:104:A:PRO:HD3	20	0.44
(1,1233)	1:103:A:THR:HG23	1:104:A:PRO:HD3	20	0.44
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG11	7	0.44
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG12	7	0.44
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG13	7	0.44
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG11	16	0.44
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG12	16	0.44
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG13	16	0.44
(1,1061)	1:53:A:LEU:HD11	1:54:A:GLU:H	16	0.44
(1,1061)	1:53:A:LEU:HD12	1:54:A:GLU:H	16	0.44
(1,1061)	1:53:A:LEU:HD13	1:54:A:GLU:H	16	0.44
(1,1023)	1:15:A:VAL:HG21	1:16:A:LEU:H	20	0.44
(1,1023)	1:15:A:VAL:HG22	1:16:A:LEU:H	20	0.44
(1,1023)	1:15:A:VAL:HG23	1:16:A:LEU:H	20	0.44
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG11	13	0.44
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG12	13	0.44
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG13	13	0.44
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG11	16	0.44
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG12	16	0.44
(1,969)	1:14:A:ASP:HB3	1:15:A:VAL:HG13	16	0.44
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG11	14	0.44
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG12	14	0.44
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG13	14	0.44
(1,858)	1:40:A:CYS:HB3	1:98:A:PRO:HA	16	0.44
(1,746)	1:60:A:ILE:HG12	1:61:A:LYS:H	16	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,733)	1:7:A:LEU:HD21	1:42:A:LEU:HB3	19	0.44
(1,733)	1:7:A:LEU:HD22	1:42:A:LEU:HB3	19	0.44
(1,733)	1:7:A:LEU:HD23	1:42:A:LEU:HB3	19	0.44
(1,499)	1:34:A:HIS:HA	1:40:A:CYS:HB3	19	0.44
(1,498)	1:35:A:LEU:H	1:40:A:CYS:HB3	11	0.44
(1,366)	1:55:A:GLN:HG3	1:57:A:TYR:HE1	10	0.44
(1,366)	1:55:A:GLN:HG3	1:57:A:TYR:HE2	10	0.44
(1,366)	1:55:A:GLN:HG3	1:57:A:TYR:HE1	14	0.44
(1,366)	1:55:A:GLN:HG3	1:57:A:TYR:HE2	14	0.44
(1,207)	1:44:A:GLU:HG3	1:45:A:LEU:H	6	0.44
(1,82)	1:7:A:LEU:HD11	1:41:A:GLY:HA3	4	0.44
(1,82)	1:7:A:LEU:HD12	1:41:A:GLY:HA3	4	0.44
(1,82)	1:7:A:LEU:HD13	1:41:A:GLY:HA3	4	0.44
(1,65)	1:41:A:GLY:HA3	1:99:A:HIS:HB3	15	0.44
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD21	5	0.44
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD22	5	0.44
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD23	5	0.44
(1,2351)	1:4:A:GLN:HE22	1:5:A:LEU:H	18	0.43
(1,2327)	1:49:A:VAL:HG11	1:52:A:GLN:HE22	11	0.43
(1,2327)	1:49:A:VAL:HG12	1:52:A:GLN:HE22	11	0.43
(1,2327)	1:49:A:VAL:HG13	1:52:A:GLN:HE22	11	0.43
(1,2278)	1:41:A:GLY:H	1:96:A:LEU:HD21	6	0.43
(1,2278)	1:41:A:GLY:H	1:96:A:LEU:HD22	6	0.43
(1,2278)	1:41:A:GLY:H	1:96:A:LEU:HD23	6	0.43
(1,2238)	1:20:A:PHE:H	1:98:A:PRO:HD2	9	0.43
(1,1898)	1:102:A:GLU:HB3	1:103:A:THR:H	18	0.43
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB1	2	0.43
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB2	2	0.43
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB3	2	0.43
(1,1207)	1:9:A:VAL:HG11	1:44:A:GLU:HG2	19	0.43
(1,1207)	1:9:A:VAL:HG12	1:44:A:GLU:HG2	19	0.43
(1,1207)	1:9:A:VAL:HG13	1:44:A:GLU:HG2	19	0.43
(1,1189)	1:9:A:VAL:HG21	1:44:A:GLU:HG2	6	0.43
(1,1189)	1:9:A:VAL:HG22	1:44:A:GLU:HG2	6	0.43
(1,1189)	1:9:A:VAL:HG23	1:44:A:GLU:HG2	6	0.43
(1,1166)	1:100:A:VAL:HG11	1:101:A:GLY:HA3	14	0.43
(1,1166)	1:100:A:VAL:HG12	1:101:A:GLY:HA3	14	0.43
(1,1166)	1:100:A:VAL:HG13	1:101:A:GLY:HA3	14	0.43
(1,1151)	1:10:A:LEU:HD21	1:41:A:GLY:HA2	7	0.43
(1,1151)	1:10:A:LEU:HD22	1:41:A:GLY:HA2	7	0.43
(1,1151)	1:10:A:LEU:HD23	1:41:A:GLY:HA2	7	0.43
(1,994)	1:15:A:VAL:HG21	1:97:A:VAL:HB	4	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,994)	1:15:A:VAL:HG22	1:97:A:VAL:HB	4	0.43
(1,994)	1:15:A:VAL:HG23	1:97:A:VAL:HB	4	0.43
(1,991)	1:15:A:VAL:HG21	1:18:A:ARG:HE	14	0.43
(1,991)	1:15:A:VAL:HG22	1:18:A:ARG:HE	14	0.43
(1,991)	1:15:A:VAL:HG23	1:18:A:ARG:HE	14	0.43
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD21	3	0.43
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD22	3	0.43
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD23	3	0.43
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD21	10	0.43
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD22	10	0.43
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD23	10	0.43
(1,868)	1:36:A:LYS:H	1:36:A:LYS:HG2	17	0.43
(1,746)	1:60:A:ILE:HG12	1:61:A:LYS:H	10	0.43
(1,729)	1:50:A:LEU:HA	1:53:A:LEU:HD21	2	0.43
(1,729)	1:50:A:LEU:HA	1:53:A:LEU:HD22	2	0.43
(1,729)	1:50:A:LEU:HA	1:53:A:LEU:HD23	2	0.43
(1,680)	1:8:A:PRO:HG3	1:10:A:LEU:HG	4	0.43
(1,576)	1:11:A:GLN:HB3	1:14:A:ASP:HA	10	0.43
(1,496)	1:40:A:CYS:HB3	1:98:A:PRO:HB3	10	0.43
(1,366)	1:55:A:GLN:HG3	1:57:A:TYR:HE1	8	0.43
(1,366)	1:55:A:GLN:HG3	1:57:A:TYR:HE2	8	0.43
(1,332)	1:11:A:GLN:HG3	1:13:A:ARG:H	10	0.43
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG11	3	0.43
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG12	3	0.43
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG13	3	0.43
(1,210)	1:42:A:LEU:HG	1:44:A:GLU:HG2	16	0.43
(1,144)	1:73:A:LYS:HE2	1:93:A:LEU:HD21	14	0.43
(1,144)	1:73:A:LYS:HE2	1:93:A:LEU:HD22	14	0.43
(1,144)	1:73:A:LYS:HE2	1:93:A:LEU:HD23	14	0.43
(1,144)	1:73:A:LYS:HE3	1:93:A:LEU:HD21	14	0.43
(1,144)	1:73:A:LYS:HE3	1:93:A:LEU:HD22	14	0.43
(1,144)	1:73:A:LYS:HE3	1:93:A:LEU:HD23	14	0.43
(1,90)	1:32:A:ARG:HA	1:32:A:ARG:HD3	2	0.43
(1,65)	1:41:A:GLY:HA3	1:99:A:HIS:HB3	2	0.43
(1,15)	1:9:A:VAL:HG11	1:42:A:LEU:HB2	16	0.43
(1,15)	1:9:A:VAL:HG12	1:42:A:LEU:HB2	16	0.43
(1,15)	1:9:A:VAL:HG13	1:42:A:LEU:HB2	16	0.43
(1,2477)	1:50:A:LEU:HD21	1:59:A:PHE:HE1	3	0.42
(1,2477)	1:50:A:LEU:HD21	1:59:A:PHE:HE2	3	0.42
(1,2477)	1:50:A:LEU:HD22	1:59:A:PHE:HE1	3	0.42
(1,2477)	1:50:A:LEU:HD22	1:59:A:PHE:HE2	3	0.42
(1,2477)	1:50:A:LEU:HD23	1:59:A:PHE:HE1	3	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2477)	1:50:A:LEU:HD23	1:59:A:PHE:HE2	3	0.42
(1,2463)	1:20:A:PHE:HD1	1:58:A:VAL:HG11	1	0.42
(1,2463)	1:20:A:PHE:HD1	1:58:A:VAL:HG12	1	0.42
(1,2463)	1:20:A:PHE:HD1	1:58:A:VAL:HG13	1	0.42
(1,2463)	1:20:A:PHE:HD2	1:58:A:VAL:HG11	1	0.42
(1,2463)	1:20:A:PHE:HD2	1:58:A:VAL:HG12	1	0.42
(1,2463)	1:20:A:PHE:HD2	1:58:A:VAL:HG13	1	0.42
(1,2426)	1:21:A:GLY:H	1:30:A:GLU:HB3	19	0.42
(1,2397)	1:19:A:GLY:H	1:98:A:PRO:HD3	16	0.42
(1,2327)	1:49:A:VAL:HG11	1:52:A:GLN:HE22	16	0.42
(1,2327)	1:49:A:VAL:HG12	1:52:A:GLN:HE22	16	0.42
(1,2327)	1:49:A:VAL:HG13	1:52:A:GLN:HE22	16	0.42
(1,2325)	1:48:A:GLY:HA2	1:52:A:GLN:HE22	16	0.42
(1,2000)	1:20:A:PHE:HB2	1:30:A:GLU:H	4	0.42
(1,1898)	1:102:A:GLU:HB3	1:103:A:THR:H	20	0.42
(1,1739)	1:50:A:LEU:HB3	1:51:A:PRO:HD2	18	0.42
(1,1733)	1:49:A:VAL:HG21	1:51:A:PRO:HD3	14	0.42
(1,1733)	1:49:A:VAL:HG22	1:51:A:PRO:HD3	14	0.42
(1,1733)	1:49:A:VAL:HG23	1:51:A:PRO:HD3	14	0.42
(1,1621)	1:63:A:SER:HB2	1:64:A:ASP:HA	6	0.42
(1,1370)	1:12:A:VAL:HG11	1:13:A:ARG:HB2	16	0.42
(1,1370)	1:12:A:VAL:HG12	1:13:A:ARG:HB2	16	0.42
(1,1370)	1:12:A:VAL:HG13	1:13:A:ARG:HB2	16	0.42
(1,1242)	1:74:A:VAL:H	1:74:A:VAL:HG11	10	0.42
(1,1242)	1:74:A:VAL:H	1:74:A:VAL:HG12	10	0.42
(1,1242)	1:74:A:VAL:H	1:74:A:VAL:HG13	10	0.42
(1,1242)	1:74:A:VAL:H	1:74:A:VAL:HG11	11	0.42
(1,1242)	1:74:A:VAL:H	1:74:A:VAL:HG12	11	0.42
(1,1242)	1:74:A:VAL:H	1:74:A:VAL:HG13	11	0.42
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD21	6	0.42
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD22	6	0.42
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD23	6	0.42
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD21	7	0.42
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD22	7	0.42
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD23	7	0.42
(1,1023)	1:15:A:VAL:HG21	1:16:A:LEU:H	11	0.42
(1,1023)	1:15:A:VAL:HG22	1:16:A:LEU:H	11	0.42
(1,1023)	1:15:A:VAL:HG23	1:16:A:LEU:H	11	0.42
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG11	9	0.42
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG12	9	0.42
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG13	9	0.42
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD21	1	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD22	1	0.42
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD23	1	0.42
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD21	17	0.42
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD22	17	0.42
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD23	17	0.42
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD21	20	0.42
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD22	20	0.42
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD23	20	0.42
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD11	8	0.42
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD12	8	0.42
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD13	8	0.42
(1,746)	1:60:A:ILE:HG12	1:61:A:LYS:H	2	0.42
(1,746)	1:60:A:ILE:HG12	1:61:A:LYS:H	9	0.42
(1,746)	1:60:A:ILE:HG12	1:61:A:LYS:H	18	0.42
(1,729)	1:50:A:LEU:HA	1:53:A:LEU:HD21	1	0.42
(1,729)	1:50:A:LEU:HA	1:53:A:LEU:HD22	1	0.42
(1,729)	1:50:A:LEU:HA	1:53:A:LEU:HD23	1	0.42
(1,499)	1:34:A:HIS:HA	1:40:A:CYS:HB3	16	0.42
(1,450)	1:8:A:PRO:HB3	1:41:A:GLY:HA3	7	0.42
(1,365)	1:55:A:GLN:H	1:55:A:GLN:HG3	15	0.42
(1,298)	1:26:A:GLU:HB2	1:56:A:PRO:HB3	2	0.42
(1,213)	1:82:A:ASP:HB3	1:84:A:ILE:HB	2	0.42
(1,210)	1:42:A:LEU:HG	1:44:A:GLU:HG2	9	0.42
(1,207)	1:44:A:GLU:HG3	1:45:A:LEU:H	13	0.42
(1,65)	1:41:A:GLY:HA3	1:99:A:HIS:HB3	4	0.42
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG11	1	0.42
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG12	1	0.42
(1,33)	1:48:A:GLY:HA3	1:49:A:VAL:HG13	1	0.42
(1,2397)	1:19:A:GLY:H	1:98:A:PRO:HD3	2	0.41
(1,2212)	1:11:A:GLN:HG2	1:14:A:ASP:H	1	0.41
(1,2110)	1:36:A:LYS:H	1:37:A:ASN:HB3	9	0.41
(1,1733)	1:49:A:VAL:HG21	1:51:A:PRO:HD3	5	0.41
(1,1733)	1:49:A:VAL:HG22	1:51:A:PRO:HD3	5	0.41
(1,1733)	1:49:A:VAL:HG23	1:51:A:PRO:HD3	5	0.41
(1,1642)	1:2:A:HIS:HB2	1:112:A:LEU:HA	10	0.41
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG11	11	0.41
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG12	11	0.41
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG13	11	0.41
(1,1537)	1:59:A:PHE:HA	1:60:A:ILE:HG13	20	0.41
(1,1287)	1:34:A:HIS:HA	1:37:A:ASN:HB3	5	0.41
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG11	17	0.41
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG12	17	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG13	17	0.41
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG11	17	0.41
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG12	17	0.41
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG13	17	0.41
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG11	17	0.41
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG12	17	0.41
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG13	17	0.41
(1,1166)	1:100:A:VAL:HG11	1:101:A:GLY:HA3	2	0.41
(1,1166)	1:100:A:VAL:HG12	1:101:A:GLY:HA3	2	0.41
(1,1166)	1:100:A:VAL:HG13	1:101:A:GLY:HA3	2	0.41
(1,1155)	1:9:A:VAL:HA	1:42:A:LEU:HB2	6	0.41
(1,1023)	1:15:A:VAL:HG21	1:16:A:LEU:H	1	0.41
(1,1023)	1:15:A:VAL:HG22	1:16:A:LEU:H	1	0.41
(1,1023)	1:15:A:VAL:HG23	1:16:A:LEU:H	1	0.41
(1,1023)	1:15:A:VAL:HG21	1:16:A:LEU:H	6	0.41
(1,1023)	1:15:A:VAL:HG22	1:16:A:LEU:H	6	0.41
(1,1023)	1:15:A:VAL:HG23	1:16:A:LEU:H	6	0.41
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG11	14	0.41
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG12	14	0.41
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG13	14	0.41
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD21	4	0.41
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD22	4	0.41
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD23	4	0.41
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD21	5	0.41
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD22	5	0.41
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD23	5	0.41
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD21	19	0.41
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD22	19	0.41
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD23	19	0.41
(1,868)	1:36:A:LYS:H	1:36:A:LYS:HG2	1	0.41
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD21	13	0.41
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD22	13	0.41
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD23	13	0.41
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD21	16	0.41
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD22	16	0.41
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD23	16	0.41
(1,746)	1:60:A:ILE:HG12	1:61:A:LYS:H	1	0.41
(1,742)	1:42:A:LEU:HD21	1:60:A:ILE:HG13	14	0.41
(1,742)	1:42:A:LEU:HD22	1:60:A:ILE:HG13	14	0.41
(1,742)	1:42:A:LEU:HD23	1:60:A:ILE:HG13	14	0.41
(1,682)	1:8:A:PRO:HG3	1:104:A:PRO:HB3	4	0.41
(1,576)	1:11:A:GLN:HB3	1:14:A:ASP:HA	14	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG21	12	0.41
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG22	12	0.41
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG23	12	0.41
(1,437)	1:42:A:LEU:HD11	1:108:A:ARG:HB3	2	0.41
(1,437)	1:42:A:LEU:HD12	1:108:A:ARG:HB3	2	0.41
(1,437)	1:42:A:LEU:HD13	1:108:A:ARG:HB3	2	0.41
(1,296)	1:63:A:SER:HB3	1:76:A:GLU:HG2	15	0.41
(1,296)	1:63:A:SER:HB3	1:76:A:GLU:HG3	15	0.41
(1,139)	1:63:A:SER:HB2	1:66:A:LEU:HB2	11	0.41
(1,82)	1:7:A:LEU:HD11	1:41:A:GLY:HA3	2	0.41
(1,82)	1:7:A:LEU:HD12	1:41:A:GLY:HA3	2	0.41
(1,82)	1:7:A:LEU:HD13	1:41:A:GLY:HA3	2	0.41
(1,65)	1:41:A:GLY:HA3	1:99:A:HIS:HB3	14	0.41
(1,35)	1:21:A:GLY:HA2	1:26:A:GLU:HG3	10	0.41
(1,2524)	1:99:A:HIS:HD2	1:101:A:GLY:HA3	4	0.4
(1,2458)	1:20:A:PHE:HD1	1:98:A:PRO:HD2	9	0.4
(1,2458)	1:20:A:PHE:HD2	1:98:A:PRO:HD2	9	0.4
(1,2397)	1:19:A:GLY:H	1:98:A:PRO:HD3	1	0.4
(1,2397)	1:19:A:GLY:H	1:98:A:PRO:HD3	15	0.4
(1,2352)	1:4:A:GLN:HE22	1:111:A:LEU:HD11	11	0.4
(1,2352)	1:4:A:GLN:HE22	1:111:A:LEU:HD12	11	0.4
(1,2352)	1:4:A:GLN:HE22	1:111:A:LEU:HD13	11	0.4
(1,2235)	1:20:A:PHE:H	1:30:A:GLU:HB3	5	0.4
(1,2125)	1:62:A:ARG:HB3	1:63:A:SER:H	16	0.4
(1,1898)	1:102:A:GLU:HB3	1:103:A:THR:H	5	0.4
(1,1765)	1:7:A:LEU:H	1:109:A:ASN:HB3	14	0.4
(1,1739)	1:50:A:LEU:HB3	1:51:A:PRO:HD2	11	0.4
(1,1729)	1:50:A:LEU:HD11	1:51:A:PRO:HD2	15	0.4
(1,1729)	1:50:A:LEU:HD12	1:51:A:PRO:HD2	15	0.4
(1,1729)	1:50:A:LEU:HD13	1:51:A:PRO:HD2	15	0.4
(1,1537)	1:59:A:PHE:HA	1:60:A:ILE:HG13	12	0.4
(1,1387)	1:15:A:VAL:HG21	1:97:A:VAL:HA	10	0.4
(1,1387)	1:15:A:VAL:HG22	1:97:A:VAL:HA	10	0.4
(1,1387)	1:15:A:VAL:HG23	1:97:A:VAL:HA	10	0.4
(1,1345)	1:100:A:VAL:HG11	1:102:A:GLU:HA	12	0.4
(1,1345)	1:100:A:VAL:HG12	1:102:A:GLU:HA	12	0.4
(1,1345)	1:100:A:VAL:HG13	1:102:A:GLU:HA	12	0.4
(1,1242)	1:74:A:VAL:H	1:74:A:VAL:HG11	7	0.4
(1,1242)	1:74:A:VAL:H	1:74:A:VAL:HG12	7	0.4
(1,1242)	1:74:A:VAL:H	1:74:A:VAL:HG13	7	0.4
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG11	3	0.4
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG12	3	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG13	3	0.4
(1,1163)	1:3:A:VAL:HA	1:4:A:GLN:HB3	20	0.4
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD21	10	0.4
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD22	10	0.4
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD23	10	0.4
(1,1034)	1:8:A:PRO:HB3	1:104:A:PRO:HA	19	0.4
(1,1023)	1:15:A:VAL:HG21	1:16:A:LEU:H	4	0.4
(1,1023)	1:15:A:VAL:HG22	1:16:A:LEU:H	4	0.4
(1,1023)	1:15:A:VAL:HG23	1:16:A:LEU:H	4	0.4
(1,1023)	1:15:A:VAL:HG21	1:16:A:LEU:H	7	0.4
(1,1023)	1:15:A:VAL:HG22	1:16:A:LEU:H	7	0.4
(1,1023)	1:15:A:VAL:HG23	1:16:A:LEU:H	7	0.4
(1,1023)	1:15:A:VAL:HG21	1:16:A:LEU:H	14	0.4
(1,1023)	1:15:A:VAL:HG22	1:16:A:LEU:H	14	0.4
(1,1023)	1:15:A:VAL:HG23	1:16:A:LEU:H	14	0.4
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG11	1	0.4
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG12	1	0.4
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG13	1	0.4
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD21	2	0.4
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD22	2	0.4
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD23	2	0.4
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD21	11	0.4
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD22	11	0.4
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD23	11	0.4
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD21	12	0.4
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD22	12	0.4
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD23	12	0.4
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD21	13	0.4
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD22	13	0.4
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD23	13	0.4
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD21	15	0.4
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD22	15	0.4
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD23	15	0.4
(1,858)	1:40:A:CYS:HB3	1:98:A:PRO:HA	19	0.4
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD21	3	0.4
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD22	3	0.4
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD23	3	0.4
(1,719)	1:8:A:PRO:HG3	1:99:A:HIS:HD2	4	0.4
(1,707)	1:42:A:LEU:HD11	1:108:A:ARG:HG2	6	0.4
(1,707)	1:42:A:LEU:HD12	1:108:A:ARG:HG2	6	0.4
(1,707)	1:42:A:LEU:HD13	1:108:A:ARG:HG2	6	0.4
(1,464)	1:51:A:PRO:HB3	1:52:A:GLN:HG2	1	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,225)	1:100:A:VAL:HG11	1:102:A:GLU:HG3	5	0.4
(1,225)	1:100:A:VAL:HG12	1:102:A:GLU:HG3	5	0.4
(1,225)	1:100:A:VAL:HG13	1:102:A:GLU:HG3	5	0.4
(1,223)	1:100:A:VAL:HG11	1:102:A:GLU:HG2	7	0.4
(1,223)	1:100:A:VAL:HG12	1:102:A:GLU:HG2	7	0.4
(1,223)	1:100:A:VAL:HG13	1:102:A:GLU:HG2	7	0.4
(1,213)	1:82:A:ASP:HB3	1:84:A:ILE:HB	1	0.4
(1,82)	1:7:A:LEU:HD11	1:41:A:GLY:HA3	15	0.4
(1,82)	1:7:A:LEU:HD12	1:41:A:GLY:HA3	15	0.4
(1,82)	1:7:A:LEU:HD13	1:41:A:GLY:HA3	15	0.4
(1,44)	1:48:A:GLY:HA3	1:51:A:PRO:HD3	4	0.4
(1,43)	1:47:A:LYS:HG3	1:48:A:GLY:HA3	18	0.4
(1,2397)	1:19:A:GLY:H	1:98:A:PRO:HD3	3	0.39
(1,2397)	1:19:A:GLY:H	1:98:A:PRO:HD3	7	0.39
(1,2235)	1:20:A:PHE:H	1:30:A:GLU:HB3	1	0.39
(1,2113)	1:66:A:LEU:H	1:66:A:LEU:HB2	14	0.39
(1,2057)	1:81:A:MET:HG3	1:84:A:ILE:H	18	0.39
(1,1757)	1:24:A:VAL:HG11	1:56:A:PRO:HD3	8	0.39
(1,1757)	1:24:A:VAL:HG12	1:56:A:PRO:HD3	8	0.39
(1,1757)	1:24:A:VAL:HG13	1:56:A:PRO:HD3	8	0.39
(1,1537)	1:59:A:PHE:HA	1:60:A:ILE:HG13	17	0.39
(1,1370)	1:12:A:VAL:HG11	1:13:A:ARG:HB2	9	0.39
(1,1370)	1:12:A:VAL:HG12	1:13:A:ARG:HB2	9	0.39
(1,1370)	1:12:A:VAL:HG13	1:13:A:ARG:HB2	9	0.39
(1,1247)	1:39:A:THR:HA	1:40:A:CYS:HB2	10	0.39
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG11	19	0.39
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG12	19	0.39
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG13	19	0.39
(1,1181)	1:74:A:VAL:HG21	1:75:A:VAL:H	13	0.39
(1,1181)	1:74:A:VAL:HG22	1:75:A:VAL:H	13	0.39
(1,1181)	1:74:A:VAL:HG23	1:75:A:VAL:H	13	0.39
(1,1151)	1:10:A:LEU:HD21	1:41:A:GLY:HA2	9	0.39
(1,1151)	1:10:A:LEU:HD22	1:41:A:GLY:HA2	9	0.39
(1,1151)	1:10:A:LEU:HD23	1:41:A:GLY:HA2	9	0.39
(1,1061)	1:53:A:LEU:HD11	1:54:A:GLU:H	18	0.39
(1,1061)	1:53:A:LEU:HD12	1:54:A:GLU:H	18	0.39
(1,1061)	1:53:A:LEU:HD13	1:54:A:GLU:H	18	0.39
(1,1023)	1:15:A:VAL:HG21	1:16:A:LEU:H	15	0.39
(1,1023)	1:15:A:VAL:HG22	1:16:A:LEU:H	15	0.39
(1,1023)	1:15:A:VAL:HG23	1:16:A:LEU:H	15	0.39
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD21	6	0.39
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD22	6	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD23	6	0.39
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD21	7	0.39
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD22	7	0.39
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD23	7	0.39
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD21	14	0.39
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD22	14	0.39
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD23	14	0.39
(1,888)	1:7:A:LEU:HD11	1:40:A:CYS:HA	7	0.39
(1,888)	1:7:A:LEU:HD12	1:40:A:CYS:HA	7	0.39
(1,888)	1:7:A:LEU:HD13	1:40:A:CYS:HA	7	0.39
(1,872)	1:36:A:LYS:HG3	1:37:A:ASN:H	15	0.39
(1,815)	1:63:A:SER:HB3	1:75:A:VAL:HA	19	0.39
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG21	17	0.39
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG22	17	0.39
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG23	17	0.39
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG21	20	0.39
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG22	20	0.39
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG23	20	0.39
(1,441)	1:107:A:TYR:HA	1:108:A:ARG:HB3	18	0.39
(1,437)	1:42:A:LEU:HD11	1:108:A:ARG:HB3	5	0.39
(1,437)	1:42:A:LEU:HD12	1:108:A:ARG:HB3	5	0.39
(1,437)	1:42:A:LEU:HD13	1:108:A:ARG:HB3	5	0.39
(1,332)	1:11:A:GLN:HG3	1:13:A:ARG:H	16	0.39
(1,298)	1:26:A:GLU:HB2	1:56:A:PRO:HB3	5	0.39
(1,255)	1:20:A:PHE:HB2	1:30:A:GLU:HG2	8	0.39
(1,207)	1:44:A:GLU:HG3	1:45:A:LEU:H	10	0.39
(1,65)	1:41:A:GLY:HA3	1:99:A:HIS:HB3	12	0.39
(1,65)	1:41:A:GLY:HA3	1:99:A:HIS:HB3	18	0.39
(1,20)	1:80:A:GLU:HB2	1:83:A:GLY:HA3	11	0.39
(1,20)	1:80:A:GLU:HB2	1:83:A:GLY:HA3	12	0.39
(1,20)	1:80:A:GLU:HB2	1:83:A:GLY:HA3	19	0.39
(1,2419)	1:42:A:LEU:HD21	1:94:A:GLY:H	2	0.38
(1,2419)	1:42:A:LEU:HD22	1:94:A:GLY:H	2	0.38
(1,2419)	1:42:A:LEU:HD23	1:94:A:GLY:H	2	0.38
(1,2419)	1:42:A:LEU:HD21	1:94:A:GLY:H	10	0.38
(1,2419)	1:42:A:LEU:HD22	1:94:A:GLY:H	10	0.38
(1,2419)	1:42:A:LEU:HD23	1:94:A:GLY:H	10	0.38
(1,2419)	1:42:A:LEU:HD21	1:94:A:GLY:H	20	0.38
(1,2419)	1:42:A:LEU:HD22	1:94:A:GLY:H	20	0.38
(1,2419)	1:42:A:LEU:HD23	1:94:A:GLY:H	20	0.38
(1,2416)	1:93:A:LEU:HB3	1:94:A:GLY:H	7	0.38
(1,2397)	1:19:A:GLY:H	1:98:A:PRO:HD3	18	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2351)	1:4:A:GLN:HE22	1:5:A:LEU:H	12	0.38
(1,2257)	1:20:A:PHE:HB3	1:28:A:LEU:H	2	0.38
(1,2159)	1:24:A:VAL:HG21	1:80:A:GLU:H	10	0.38
(1,2159)	1:24:A:VAL:HG22	1:80:A:GLU:H	10	0.38
(1,2159)	1:24:A:VAL:HG23	1:80:A:GLU:H	10	0.38
(1,2125)	1:62:A:ARG:HB3	1:63:A:SER:H	13	0.38
(1,2081)	1:55:A:GLN:H	1:55:A:GLN:HB3	16	0.38
(1,2000)	1:20:A:PHE:HB2	1:30:A:GLU:H	20	0.38
(1,1995)	1:10:A:LEU:HB2	1:11:A:GLN:H	16	0.38
(1,1739)	1:50:A:LEU:HB3	1:51:A:PRO:HD2	10	0.38
(1,1733)	1:49:A:VAL:HG21	1:51:A:PRO:HD3	10	0.38
(1,1733)	1:49:A:VAL:HG22	1:51:A:PRO:HD3	10	0.38
(1,1733)	1:49:A:VAL:HG23	1:51:A:PRO:HD3	10	0.38
(1,1729)	1:50:A:LEU:HD11	1:51:A:PRO:HD2	9	0.38
(1,1729)	1:50:A:LEU:HD12	1:51:A:PRO:HD2	9	0.38
(1,1729)	1:50:A:LEU:HD13	1:51:A:PRO:HD2	9	0.38
(1,1621)	1:63:A:SER:HB2	1:64:A:ASP:HA	10	0.38
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG11	1	0.38
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG12	1	0.38
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG13	1	0.38
(1,1549)	1:82:A:ASP:HB3	1:84:A:ILE:HG21	4	0.38
(1,1549)	1:82:A:ASP:HB3	1:84:A:ILE:HG22	4	0.38
(1,1549)	1:82:A:ASP:HB3	1:84:A:ILE:HG23	4	0.38
(1,1537)	1:59:A:PHE:HA	1:60:A:ILE:HG13	19	0.38
(1,1370)	1:12:A:VAL:HG11	1:13:A:ARG:HB2	14	0.38
(1,1370)	1:12:A:VAL:HG12	1:13:A:ARG:HB2	14	0.38
(1,1370)	1:12:A:VAL:HG13	1:13:A:ARG:HB2	14	0.38
(1,1317)	1:100:A:VAL:H	1:100:A:VAL:HG21	3	0.38
(1,1317)	1:100:A:VAL:H	1:100:A:VAL:HG22	3	0.38
(1,1317)	1:100:A:VAL:H	1:100:A:VAL:HG23	3	0.38
(1,1312)	1:17:A:VAL:H	1:17:A:VAL:HG21	3	0.38
(1,1312)	1:17:A:VAL:H	1:17:A:VAL:HG22	3	0.38
(1,1312)	1:17:A:VAL:H	1:17:A:VAL:HG23	3	0.38
(1,1185)	1:2:A:HIS:HB2	1:74:A:VAL:HG21	16	0.38
(1,1185)	1:2:A:HIS:HB2	1:74:A:VAL:HG22	16	0.38
(1,1185)	1:2:A:HIS:HB2	1:74:A:VAL:HG23	16	0.38
(1,1061)	1:53:A:LEU:HD11	1:54:A:GLU:H	1	0.38
(1,1061)	1:53:A:LEU:HD12	1:54:A:GLU:H	1	0.38
(1,1061)	1:53:A:LEU:HD13	1:54:A:GLU:H	1	0.38
(1,1023)	1:15:A:VAL:HG21	1:16:A:LEU:H	5	0.38
(1,1023)	1:15:A:VAL:HG22	1:16:A:LEU:H	5	0.38
(1,1023)	1:15:A:VAL:HG23	1:16:A:LEU:H	5	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1017)	1:24:A:VAL:HG21	1:79:A:ALA:HB1	5	0.38
(1,1017)	1:24:A:VAL:HG21	1:79:A:ALA:HB2	5	0.38
(1,1017)	1:24:A:VAL:HG21	1:79:A:ALA:HB3	5	0.38
(1,1017)	1:24:A:VAL:HG22	1:79:A:ALA:HB1	5	0.38
(1,1017)	1:24:A:VAL:HG22	1:79:A:ALA:HB2	5	0.38
(1,1017)	1:24:A:VAL:HG22	1:79:A:ALA:HB3	5	0.38
(1,1017)	1:24:A:VAL:HG23	1:79:A:ALA:HB1	5	0.38
(1,1017)	1:24:A:VAL:HG23	1:79:A:ALA:HB2	5	0.38
(1,1017)	1:24:A:VAL:HG23	1:79:A:ALA:HB3	5	0.38
(1,990)	1:15:A:VAL:HG21	1:97:A:VAL:H	16	0.38
(1,990)	1:15:A:VAL:HG22	1:97:A:VAL:H	16	0.38
(1,990)	1:15:A:VAL:HG23	1:97:A:VAL:H	16	0.38
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG11	11	0.38
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG12	11	0.38
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG13	11	0.38
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG11	19	0.38
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG12	19	0.38
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG13	19	0.38
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD21	8	0.38
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD22	8	0.38
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD23	8	0.38
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD21	16	0.38
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD22	16	0.38
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD23	16	0.38
(1,868)	1:36:A:LYS:H	1:36:A:LYS:HG2	13	0.38
(1,858)	1:40:A:CYS:HB3	1:98:A:PRO:HA	1	0.38
(1,858)	1:40:A:CYS:HB3	1:98:A:PRO:HA	20	0.38
(1,837)	1:42:A:LEU:HD21	1:60:A:ILE:HD11	9	0.38
(1,837)	1:42:A:LEU:HD21	1:60:A:ILE:HD12	9	0.38
(1,837)	1:42:A:LEU:HD21	1:60:A:ILE:HD13	9	0.38
(1,837)	1:42:A:LEU:HD22	1:60:A:ILE:HD11	9	0.38
(1,837)	1:42:A:LEU:HD22	1:60:A:ILE:HD12	9	0.38
(1,837)	1:42:A:LEU:HD22	1:60:A:ILE:HD13	9	0.38
(1,837)	1:42:A:LEU:HD23	1:60:A:ILE:HD11	9	0.38
(1,837)	1:42:A:LEU:HD23	1:60:A:ILE:HD12	9	0.38
(1,837)	1:42:A:LEU:HD23	1:60:A:ILE:HD13	9	0.38
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD21	17	0.38
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD22	17	0.38
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD23	17	0.38
(1,815)	1:63:A:SER:HB3	1:75:A:VAL:HA	2	0.38
(1,772)	1:75:A:VAL:HB	1:93:A:LEU:HD11	1	0.38
(1,772)	1:75:A:VAL:HB	1:93:A:LEU:HD12	1	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,772)	1:75:A:VAL:HB	1:93:A:LEU:HD13	1	0.38
(1,576)	1:11:A:GLN:HB3	1:14:A:ASP:HA	2	0.38
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG21	9	0.38
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG22	9	0.38
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG23	9	0.38
(1,450)	1:8:A:PRO:HB3	1:41:A:GLY:HA3	8	0.38
(1,441)	1:107:A:TYR:HA	1:108:A:ARG:HB3	4	0.38
(1,441)	1:107:A:TYR:HA	1:108:A:ARG:HB3	19	0.38
(1,373)	1:80:A:GLU:HG2	1:85:A:GLN:HG3	7	0.38
(1,373)	1:80:A:GLU:HG3	1:85:A:GLN:HG3	7	0.38
(1,332)	1:11:A:GLN:HG3	1:13:A:ARG:H	12	0.38
(1,296)	1:63:A:SER:HB3	1:76:A:GLU:HG2	6	0.38
(1,296)	1:63:A:SER:HB3	1:76:A:GLU:HG3	6	0.38
(1,255)	1:20:A:PHE:HB2	1:30:A:GLU:HG2	6	0.38
(1,211)	1:43:A:VAL:HG11	1:44:A:GLU:HG2	20	0.38
(1,211)	1:43:A:VAL:HG12	1:44:A:GLU:HG2	20	0.38
(1,211)	1:43:A:VAL:HG13	1:44:A:GLU:HG2	20	0.38
(1,207)	1:44:A:GLU:HG3	1:45:A:LEU:H	17	0.38
(1,145)	1:65:A:ALA:HA	1:66:A:LEU:HB2	13	0.38
(1,82)	1:7:A:LEU:HD11	1:41:A:GLY:HA3	14	0.38
(1,82)	1:7:A:LEU:HD12	1:41:A:GLY:HA3	14	0.38
(1,82)	1:7:A:LEU:HD13	1:41:A:GLY:HA3	14	0.38
(1,65)	1:41:A:GLY:HA3	1:99:A:HIS:HB3	16	0.38
(1,2524)	1:99:A:HIS:HD2	1:101:A:GLY:HA3	14	0.37
(1,2426)	1:21:A:GLY:H	1:30:A:GLU:HB3	10	0.37
(1,2419)	1:42:A:LEU:HD21	1:94:A:GLY:H	11	0.37
(1,2419)	1:42:A:LEU:HD22	1:94:A:GLY:H	11	0.37
(1,2419)	1:42:A:LEU:HD23	1:94:A:GLY:H	11	0.37
(1,2416)	1:93:A:LEU:HB3	1:94:A:GLY:H	8	0.37
(1,2397)	1:19:A:GLY:H	1:98:A:PRO:HD3	6	0.37
(1,2397)	1:19:A:GLY:H	1:98:A:PRO:HD3	19	0.37
(1,2325)	1:48:A:GLY:HA2	1:52:A:GLN:HE22	15	0.37
(1,2282)	1:8:A:PRO:HG3	1:41:A:GLY:H	12	0.37
(1,2267)	1:32:A:ARG:H	1:32:A:ARG:HB2	18	0.37
(1,2184)	1:34:A:HIS:H	1:40:A:CYS:HB3	3	0.37
(1,2125)	1:62:A:ARG:HB3	1:63:A:SER:H	2	0.37
(1,2125)	1:62:A:ARG:HB3	1:63:A:SER:H	8	0.37
(1,2081)	1:55:A:GLN:H	1:55:A:GLN:HB3	18	0.37
(1,1961)	1:45:A:LEU:H	1:45:A:LEU:HB3	4	0.37
(1,1621)	1:63:A:SER:HB2	1:64:A:ASP:HA	12	0.37
(1,1537)	1:59:A:PHE:HA	1:60:A:ILE:HG13	10	0.37
(1,1537)	1:59:A:PHE:HA	1:60:A:ILE:HG13	11	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1387)	1:15:A:VAL:HG21	1:97:A:VAL:HA	1	0.37
(1,1387)	1:15:A:VAL:HG22	1:97:A:VAL:HA	1	0.37
(1,1387)	1:15:A:VAL:HG23	1:97:A:VAL:HA	1	0.37
(1,1370)	1:12:A:VAL:HG11	1:13:A:ARG:HB2	18	0.37
(1,1370)	1:12:A:VAL:HG12	1:13:A:ARG:HB2	18	0.37
(1,1370)	1:12:A:VAL:HG13	1:13:A:ARG:HB2	18	0.37
(1,1287)	1:34:A:HIS:HA	1:37:A:ASN:HB3	17	0.37
(1,1280)	1:95:A:VAL:HA	1:96:A:LEU:HB3	11	0.37
(1,1242)	1:74:A:VAL:H	1:74:A:VAL:HG11	19	0.37
(1,1242)	1:74:A:VAL:H	1:74:A:VAL:HG12	19	0.37
(1,1242)	1:74:A:VAL:H	1:74:A:VAL:HG13	19	0.37
(1,1155)	1:9:A:VAL:HA	1:42:A:LEU:HB2	9	0.37
(1,1151)	1:10:A:LEU:HD21	1:41:A:GLY:HA2	13	0.37
(1,1151)	1:10:A:LEU:HD22	1:41:A:GLY:HA2	13	0.37
(1,1151)	1:10:A:LEU:HD23	1:41:A:GLY:HA2	13	0.37
(1,1140)	1:24:A:VAL:HG11	1:81:A:MET:HA	7	0.37
(1,1140)	1:24:A:VAL:HG12	1:81:A:MET:HA	7	0.37
(1,1140)	1:24:A:VAL:HG13	1:81:A:MET:HA	7	0.37
(1,1121)	1:24:A:VAL:H	1:24:A:VAL:HG11	2	0.37
(1,1121)	1:24:A:VAL:H	1:24:A:VAL:HG12	2	0.37
(1,1121)	1:24:A:VAL:H	1:24:A:VAL:HG13	2	0.37
(1,1121)	1:24:A:VAL:H	1:24:A:VAL:HG11	9	0.37
(1,1121)	1:24:A:VAL:H	1:24:A:VAL:HG12	9	0.37
(1,1121)	1:24:A:VAL:H	1:24:A:VAL:HG13	9	0.37
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG11	19	0.37
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG12	19	0.37
(1,966)	1:12:A:VAL:HA	1:15:A:VAL:HG13	19	0.37
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG11	16	0.37
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG12	16	0.37
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG13	16	0.37
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD21	9	0.37
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD22	9	0.37
(1,911)	1:45:A:LEU:HB2	1:45:A:LEU:HD23	9	0.37
(1,888)	1:7:A:LEU:HD11	1:40:A:CYS:HA	12	0.37
(1,888)	1:7:A:LEU:HD12	1:40:A:CYS:HA	12	0.37
(1,888)	1:7:A:LEU:HD13	1:40:A:CYS:HA	12	0.37
(1,858)	1:40:A:CYS:HB3	1:98:A:PRO:HA	8	0.37
(1,858)	1:40:A:CYS:HB3	1:98:A:PRO:HA	17	0.37
(1,837)	1:42:A:LEU:HD21	1:60:A:ILE:HD11	2	0.37
(1,837)	1:42:A:LEU:HD21	1:60:A:ILE:HD12	2	0.37
(1,837)	1:42:A:LEU:HD21	1:60:A:ILE:HD13	2	0.37
(1,837)	1:42:A:LEU:HD22	1:60:A:ILE:HD11	2	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,837)	1:42:A:LEU:HD22	1:60:A:ILE:HD12	2	0.37
(1,837)	1:42:A:LEU:HD22	1:60:A:ILE:HD13	2	0.37
(1,837)	1:42:A:LEU:HD23	1:60:A:ILE:HD11	2	0.37
(1,837)	1:42:A:LEU:HD23	1:60:A:ILE:HD12	2	0.37
(1,837)	1:42:A:LEU:HD23	1:60:A:ILE:HD13	2	0.37
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD21	7	0.37
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD22	7	0.37
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD23	7	0.37
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD21	19	0.37
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD22	19	0.37
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD23	19	0.37
(1,746)	1:60:A:ILE:HG12	1:61:A:LYS:H	3	0.37
(1,746)	1:60:A:ILE:HG12	1:61:A:LYS:H	6	0.37
(1,640)	1:23:A:SER:HB2	1:24:A:VAL:H	4	0.37
(1,481)	1:112:A:LEU:HD21	1:113:A:ARG:HB2	10	0.37
(1,481)	1:112:A:LEU:HD22	1:113:A:ARG:HB2	10	0.37
(1,481)	1:112:A:LEU:HD23	1:113:A:ARG:HB2	10	0.37
(1,477)	1:62:A:ARG:HB2	1:91:A:ILE:HA	12	0.37
(1,466)	1:72:A:HIS:HB2	1:73:A:LYS:HG2	18	0.37
(1,466)	1:72:A:HIS:HB3	1:73:A:LYS:HG2	18	0.37
(1,441)	1:107:A:TYR:HA	1:108:A:ARG:HB3	1	0.37
(1,408)	1:8:A:PRO:HB3	1:104:A:PRO:HB2	13	0.37
(1,408)	1:8:A:PRO:HB3	1:104:A:PRO:HB2	16	0.37
(1,366)	1:55:A:GLN:HG3	1:57:A:TYR:HE1	12	0.37
(1,366)	1:55:A:GLN:HG3	1:57:A:TYR:HE2	12	0.37
(1,332)	1:11:A:GLN:HG3	1:13:A:ARG:H	8	0.37
(1,297)	1:56:A:PRO:HB3	1:80:A:GLU:H	10	0.37
(1,255)	1:20:A:PHE:HB2	1:30:A:GLU:HG2	9	0.37
(1,207)	1:44:A:GLU:HG3	1:45:A:LEU:H	12	0.37
(1,205)	1:42:A:LEU:HD11	1:44:A:GLU:HG2	12	0.37
(1,205)	1:42:A:LEU:HD12	1:44:A:GLU:HG2	12	0.37
(1,205)	1:42:A:LEU:HD13	1:44:A:GLU:HG2	12	0.37
(1,204)	1:43:A:VAL:HA	1:44:A:GLU:HG2	20	0.37
(1,20)	1:80:A:GLU:HB2	1:83:A:GLY:HA3	6	0.37
(1,2419)	1:42:A:LEU:HD21	1:94:A:GLY:H	9	0.36
(1,2419)	1:42:A:LEU:HD22	1:94:A:GLY:H	9	0.36
(1,2419)	1:42:A:LEU:HD23	1:94:A:GLY:H	9	0.36
(1,2416)	1:93:A:LEU:HB3	1:94:A:GLY:H	10	0.36
(1,2351)	1:4:A:GLN:HE22	1:5:A:LEU:H	4	0.36
(1,2281)	1:41:A:GLY:H	1:99:A:HIS:HB3	2	0.36
(1,2281)	1:41:A:GLY:H	1:99:A:HIS:HB3	10	0.36
(1,2212)	1:11:A:GLN:HG2	1:14:A:ASP:H	8	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1995)	1:10:A:LEU:HB2	1:11:A:GLN:H	14	0.36
(1,1765)	1:7:A:LEU:H	1:109:A:ASN:HB3	13	0.36
(1,1733)	1:49:A:VAL:HG21	1:51:A:PRO:HD3	7	0.36
(1,1733)	1:49:A:VAL:HG22	1:51:A:PRO:HD3	7	0.36
(1,1733)	1:49:A:VAL:HG23	1:51:A:PRO:HD3	7	0.36
(1,1733)	1:49:A:VAL:HG21	1:51:A:PRO:HD3	9	0.36
(1,1733)	1:49:A:VAL:HG22	1:51:A:PRO:HD3	9	0.36
(1,1733)	1:49:A:VAL:HG23	1:51:A:PRO:HD3	9	0.36
(1,1733)	1:49:A:VAL:HG21	1:51:A:PRO:HD3	15	0.36
(1,1733)	1:49:A:VAL:HG22	1:51:A:PRO:HD3	15	0.36
(1,1733)	1:49:A:VAL:HG23	1:51:A:PRO:HD3	15	0.36
(1,1733)	1:49:A:VAL:HG21	1:51:A:PRO:HD3	18	0.36
(1,1733)	1:49:A:VAL:HG22	1:51:A:PRO:HD3	18	0.36
(1,1733)	1:49:A:VAL:HG23	1:51:A:PRO:HD3	18	0.36
(1,1729)	1:50:A:LEU:HD11	1:51:A:PRO:HD2	1	0.36
(1,1729)	1:50:A:LEU:HD12	1:51:A:PRO:HD2	1	0.36
(1,1729)	1:50:A:LEU:HD13	1:51:A:PRO:HD2	1	0.36
(1,1729)	1:50:A:LEU:HD11	1:51:A:PRO:HD2	5	0.36
(1,1729)	1:50:A:LEU:HD12	1:51:A:PRO:HD2	5	0.36
(1,1729)	1:50:A:LEU:HD13	1:51:A:PRO:HD2	5	0.36
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG11	4	0.36
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG12	4	0.36
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG13	4	0.36
(1,1473)	1:62:A:ARG:HA	1:63:A:SER:HB3	6	0.36
(1,1312)	1:17:A:VAL:H	1:17:A:VAL:HG21	12	0.36
(1,1312)	1:17:A:VAL:H	1:17:A:VAL:HG22	12	0.36
(1,1312)	1:17:A:VAL:H	1:17:A:VAL:HG23	12	0.36
(1,1279)	1:24:A:VAL:HG21	1:79:A:ALA:H	8	0.36
(1,1279)	1:24:A:VAL:HG22	1:79:A:ALA:H	8	0.36
(1,1279)	1:24:A:VAL:HG23	1:79:A:ALA:H	8	0.36
(1,1242)	1:74:A:VAL:H	1:74:A:VAL:HG11	3	0.36
(1,1242)	1:74:A:VAL:H	1:74:A:VAL:HG12	3	0.36
(1,1242)	1:74:A:VAL:H	1:74:A:VAL:HG13	3	0.36
(1,1242)	1:74:A:VAL:H	1:74:A:VAL:HG11	8	0.36
(1,1242)	1:74:A:VAL:H	1:74:A:VAL:HG12	8	0.36
(1,1242)	1:74:A:VAL:H	1:74:A:VAL:HG13	8	0.36
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG11	3	0.36
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG12	3	0.36
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG13	3	0.36
(1,1181)	1:74:A:VAL:HG21	1:75:A:VAL:H	20	0.36
(1,1181)	1:74:A:VAL:HG22	1:75:A:VAL:H	20	0.36
(1,1181)	1:74:A:VAL:HG23	1:75:A:VAL:H	20	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD21	4	0.36
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD22	4	0.36
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD23	4	0.36
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD21	18	0.36
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD22	18	0.36
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD23	18	0.36
(1,1143)	1:95:A:VAL:HA	1:95:A:VAL:HG11	4	0.36
(1,1143)	1:95:A:VAL:HA	1:95:A:VAL:HG12	4	0.36
(1,1143)	1:95:A:VAL:HA	1:95:A:VAL:HG13	4	0.36
(1,1023)	1:15:A:VAL:HG21	1:16:A:LEU:H	18	0.36
(1,1023)	1:15:A:VAL:HG22	1:16:A:LEU:H	18	0.36
(1,1023)	1:15:A:VAL:HG23	1:16:A:LEU:H	18	0.36
(1,1017)	1:24:A:VAL:HG21	1:79:A:ALA:HB1	15	0.36
(1,1017)	1:24:A:VAL:HG21	1:79:A:ALA:HB2	15	0.36
(1,1017)	1:24:A:VAL:HG21	1:79:A:ALA:HB3	15	0.36
(1,1017)	1:24:A:VAL:HG22	1:79:A:ALA:HB1	15	0.36
(1,1017)	1:24:A:VAL:HG22	1:79:A:ALA:HB2	15	0.36
(1,1017)	1:24:A:VAL:HG22	1:79:A:ALA:HB3	15	0.36
(1,1017)	1:24:A:VAL:HG23	1:79:A:ALA:HB1	15	0.36
(1,1017)	1:24:A:VAL:HG23	1:79:A:ALA:HB2	15	0.36
(1,1017)	1:24:A:VAL:HG23	1:79:A:ALA:HB3	15	0.36
(1,990)	1:15:A:VAL:HG21	1:97:A:VAL:H	17	0.36
(1,990)	1:15:A:VAL:HG22	1:97:A:VAL:H	17	0.36
(1,990)	1:15:A:VAL:HG23	1:97:A:VAL:H	17	0.36
(1,990)	1:15:A:VAL:HG21	1:97:A:VAL:H	18	0.36
(1,990)	1:15:A:VAL:HG22	1:97:A:VAL:H	18	0.36
(1,990)	1:15:A:VAL:HG23	1:97:A:VAL:H	18	0.36
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG11	17	0.36
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG12	17	0.36
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG13	17	0.36
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG11	2	0.36
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG12	2	0.36
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG13	2	0.36
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG11	11	0.36
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG12	11	0.36
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG13	11	0.36
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG11	13	0.36
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG12	13	0.36
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG13	13	0.36
(1,868)	1:36:A:LYS:H	1:36:A:LYS:HG2	3	0.36
(1,868)	1:36:A:LYS:H	1:36:A:LYS:HG2	5	0.36
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD21	2	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD22	2	0.36
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD23	2	0.36
(1,777)	1:10:A:LEU:HD11	1:41:A:GLY:HA2	4	0.36
(1,777)	1:10:A:LEU:HD12	1:41:A:GLY:HA2	4	0.36
(1,777)	1:10:A:LEU:HD13	1:41:A:GLY:HA2	4	0.36
(1,576)	1:11:A:GLN:HB3	1:14:A:ASP:HA	6	0.36
(1,576)	1:11:A:GLN:HB3	1:14:A:ASP:HA	12	0.36
(1,204)	1:43:A:VAL:HA	1:44:A:GLU:HG2	6	0.36
(1,126)	1:25:A:GLU:HG3	1:28:A:LEU:HB2	12	0.36
(1,126)	1:25:A:GLU:HG3	1:28:A:LEU:HB3	12	0.36
(1,2477)	1:50:A:LEU:HD21	1:59:A:PHE:HE1	6	0.35
(1,2477)	1:50:A:LEU:HD21	1:59:A:PHE:HE2	6	0.35
(1,2477)	1:50:A:LEU:HD22	1:59:A:PHE:HE1	6	0.35
(1,2477)	1:50:A:LEU:HD22	1:59:A:PHE:HE2	6	0.35
(1,2477)	1:50:A:LEU:HD23	1:59:A:PHE:HE1	6	0.35
(1,2477)	1:50:A:LEU:HD23	1:59:A:PHE:HE2	6	0.35
(1,2416)	1:93:A:LEU:HB3	1:94:A:GLY:H	3	0.35
(1,2397)	1:19:A:GLY:H	1:98:A:PRO:HD3	12	0.35
(1,2352)	1:4:A:GLN:HE22	1:111:A:LEU:HD11	10	0.35
(1,2352)	1:4:A:GLN:HE22	1:111:A:LEU:HD12	10	0.35
(1,2352)	1:4:A:GLN:HE22	1:111:A:LEU:HD13	10	0.35
(1,2327)	1:49:A:VAL:HG11	1:52:A:GLN:HE22	3	0.35
(1,2327)	1:49:A:VAL:HG12	1:52:A:GLN:HE22	3	0.35
(1,2327)	1:49:A:VAL:HG13	1:52:A:GLN:HE22	3	0.35
(1,2313)	1:4:A:GLN:HE22	1:109:A:ASN:HD22	5	0.35
(1,2281)	1:41:A:GLY:H	1:99:A:HIS:HB3	3	0.35
(1,1961)	1:45:A:LEU:H	1:45:A:LEU:HB3	10	0.35
(1,1961)	1:45:A:LEU:H	1:45:A:LEU:HB3	20	0.35
(1,1549)	1:82:A:ASP:HB3	1:84:A:ILE:HG21	1	0.35
(1,1549)	1:82:A:ASP:HB3	1:84:A:ILE:HG22	1	0.35
(1,1549)	1:82:A:ASP:HB3	1:84:A:ILE:HG23	1	0.35
(1,1549)	1:82:A:ASP:HB3	1:84:A:ILE:HG21	2	0.35
(1,1549)	1:82:A:ASP:HB3	1:84:A:ILE:HG22	2	0.35
(1,1549)	1:82:A:ASP:HB3	1:84:A:ILE:HG23	2	0.35
(1,1325)	1:36:A:LYS:HA	1:36:A:LYS:HD3	4	0.35
(1,1242)	1:74:A:VAL:H	1:74:A:VAL:HG11	1	0.35
(1,1242)	1:74:A:VAL:H	1:74:A:VAL:HG12	1	0.35
(1,1242)	1:74:A:VAL:H	1:74:A:VAL:HG13	1	0.35
(1,1163)	1:3:A:VAL:HA	1:4:A:GLN:HB3	2	0.35
(1,1155)	1:9:A:VAL:HA	1:42:A:LEU:HB2	1	0.35
(1,1155)	1:9:A:VAL:HA	1:42:A:LEU:HB2	17	0.35
(1,1023)	1:15:A:VAL:HG21	1:16:A:LEU:H	16	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1023)	1:15:A:VAL:HG22	1:16:A:LEU:H	16	0.35
(1,1023)	1:15:A:VAL:HG23	1:16:A:LEU:H	16	0.35
(1,847)	1:42:A:LEU:HD21	1:43:A:VAL:H	9	0.35
(1,847)	1:42:A:LEU:HD22	1:43:A:VAL:H	9	0.35
(1,847)	1:42:A:LEU:HD23	1:43:A:VAL:H	9	0.35
(1,837)	1:42:A:LEU:HD21	1:60:A:ILE:HD11	5	0.35
(1,837)	1:42:A:LEU:HD21	1:60:A:ILE:HD12	5	0.35
(1,837)	1:42:A:LEU:HD21	1:60:A:ILE:HD13	5	0.35
(1,837)	1:42:A:LEU:HD22	1:60:A:ILE:HD11	5	0.35
(1,837)	1:42:A:LEU:HD22	1:60:A:ILE:HD12	5	0.35
(1,837)	1:42:A:LEU:HD22	1:60:A:ILE:HD13	5	0.35
(1,837)	1:42:A:LEU:HD23	1:60:A:ILE:HD11	5	0.35
(1,837)	1:42:A:LEU:HD23	1:60:A:ILE:HD12	5	0.35
(1,837)	1:42:A:LEU:HD23	1:60:A:ILE:HD13	5	0.35
(1,742)	1:42:A:LEU:HD21	1:60:A:ILE:HG13	17	0.35
(1,742)	1:42:A:LEU:HD22	1:60:A:ILE:HG13	17	0.35
(1,742)	1:42:A:LEU:HD23	1:60:A:ILE:HG13	17	0.35
(1,641)	1:23:A:SER:HB2	1:25:A:GLU:H	1	0.35
(1,567)	1:11:A:GLN:HB3	1:15:A:VAL:H	2	0.35
(1,477)	1:62:A:ARG:HB2	1:91:A:ILE:HA	4	0.35
(1,466)	1:72:A:HIS:HB2	1:73:A:LYS:HG2	6	0.35
(1,466)	1:72:A:HIS:HB3	1:73:A:LYS:HG2	6	0.35
(1,466)	1:72:A:HIS:HB2	1:73:A:LYS:HG2	12	0.35
(1,466)	1:72:A:HIS:HB3	1:73:A:LYS:HG2	12	0.35
(1,441)	1:107:A:TYR:HA	1:108:A:ARG:HB3	5	0.35
(1,441)	1:107:A:TYR:HA	1:108:A:ARG:HB3	8	0.35
(1,441)	1:107:A:TYR:HA	1:108:A:ARG:HB3	13	0.35
(1,350)	1:3:A:VAL:HB	1:112:A:LEU:HD11	19	0.35
(1,350)	1:3:A:VAL:HB	1:112:A:LEU:HD12	19	0.35
(1,350)	1:3:A:VAL:HB	1:112:A:LEU:HD13	19	0.35
(1,207)	1:44:A:GLU:HG3	1:45:A:LEU:H	8	0.35
(1,207)	1:44:A:GLU:HG3	1:45:A:LEU:H	9	0.35
(1,65)	1:41:A:GLY:HA3	1:99:A:HIS:HB3	7	0.35
(1,65)	1:41:A:GLY:HA3	1:99:A:HIS:HB3	9	0.35
(1,52)	1:42:A:LEU:HD21	1:94:A:GLY:HA2	9	0.35
(1,52)	1:42:A:LEU:HD22	1:94:A:GLY:HA2	9	0.35
(1,52)	1:42:A:LEU:HD23	1:94:A:GLY:HA2	9	0.35
(1,2515)	1:99:A:HIS:HD2	1:102:A:GLU:HB3	3	0.34
(1,2419)	1:42:A:LEU:HD21	1:94:A:GLY:H	6	0.34
(1,2419)	1:42:A:LEU:HD22	1:94:A:GLY:H	6	0.34
(1,2419)	1:42:A:LEU:HD23	1:94:A:GLY:H	6	0.34
(1,2397)	1:19:A:GLY:H	1:98:A:PRO:HD3	8	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2327)	1:49:A:VAL:HG11	1:52:A:GLN:HE22	13	0.34
(1,2327)	1:49:A:VAL:HG12	1:52:A:GLN:HE22	13	0.34
(1,2327)	1:49:A:VAL:HG13	1:52:A:GLN:HE22	13	0.34
(1,2281)	1:41:A:GLY:H	1:99:A:HIS:HB3	11	0.34
(1,2235)	1:20:A:PHE:H	1:30:A:GLU:HB3	19	0.34
(1,2184)	1:34:A:HIS:H	1:40:A:CYS:HB3	17	0.34
(1,2125)	1:62:A:ARG:HB3	1:63:A:SER:H	9	0.34
(1,2125)	1:62:A:ARG:HB3	1:63:A:SER:H	11	0.34
(1,2081)	1:55:A:GLN:H	1:55:A:GLN:HB3	12	0.34
(1,1995)	1:10:A:LEU:HB2	1:11:A:GLN:H	19	0.34
(1,1898)	1:102:A:GLU:HB3	1:103:A:THR:H	4	0.34
(1,1824)	1:10:A:LEU:H	1:42:A:LEU:HB2	14	0.34
(1,1759)	1:16:A:LEU:H	1:102:A:GLU:HG2	17	0.34
(1,1279)	1:24:A:VAL:HG21	1:79:A:ALA:H	5	0.34
(1,1279)	1:24:A:VAL:HG22	1:79:A:ALA:H	5	0.34
(1,1279)	1:24:A:VAL:HG23	1:79:A:ALA:H	5	0.34
(1,990)	1:15:A:VAL:HG21	1:97:A:VAL:H	7	0.34
(1,990)	1:15:A:VAL:HG22	1:97:A:VAL:H	7	0.34
(1,990)	1:15:A:VAL:HG23	1:97:A:VAL:H	7	0.34
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG11	20	0.34
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG12	20	0.34
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG13	20	0.34
(1,916)	1:24:A:VAL:HG11	1:56:A:PRO:HG3	8	0.34
(1,916)	1:24:A:VAL:HG12	1:56:A:PRO:HG3	8	0.34
(1,916)	1:24:A:VAL:HG13	1:56:A:PRO:HG3	8	0.34
(1,909)	1:28:A:LEU:HD21	1:77:A:LEU:HA	16	0.34
(1,909)	1:28:A:LEU:HD22	1:77:A:LEU:HA	16	0.34
(1,909)	1:28:A:LEU:HD23	1:77:A:LEU:HA	16	0.34
(1,888)	1:7:A:LEU:HD11	1:40:A:CYS:HA	6	0.34
(1,888)	1:7:A:LEU:HD12	1:40:A:CYS:HA	6	0.34
(1,888)	1:7:A:LEU:HD13	1:40:A:CYS:HA	6	0.34
(1,876)	1:20:A:PHE:HE1	1:35:A:LEU:HD11	8	0.34
(1,876)	1:20:A:PHE:HE1	1:35:A:LEU:HD12	8	0.34
(1,876)	1:20:A:PHE:HE1	1:35:A:LEU:HD13	8	0.34
(1,876)	1:20:A:PHE:HE2	1:35:A:LEU:HD11	8	0.34
(1,876)	1:20:A:PHE:HE2	1:35:A:LEU:HD12	8	0.34
(1,876)	1:20:A:PHE:HE2	1:35:A:LEU:HD13	8	0.34
(1,858)	1:40:A:CYS:HB3	1:98:A:PRO:HA	4	0.34
(1,746)	1:60:A:ILE:HG12	1:61:A:LYS:H	12	0.34
(1,729)	1:50:A:LEU:HA	1:53:A:LEU:HD21	17	0.34
(1,729)	1:50:A:LEU:HA	1:53:A:LEU:HD22	17	0.34
(1,729)	1:50:A:LEU:HA	1:53:A:LEU:HD23	17	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,576)	1:11:A:GLN:HB3	1:14:A:ASP:HA	5	0.34
(1,332)	1:11:A:GLN:HG3	1:13:A:ARG:H	4	0.34
(1,224)	1:10:A:LEU:HD11	1:102:A:GLU:HG2	15	0.34
(1,224)	1:10:A:LEU:HD12	1:102:A:GLU:HG2	15	0.34
(1,224)	1:10:A:LEU:HD13	1:102:A:GLU:HG2	15	0.34
(1,113)	1:18:A:ARG:H	1:18:A:ARG:HD3	5	0.34
(1,52)	1:42:A:LEU:HD21	1:94:A:GLY:HA2	12	0.34
(1,52)	1:42:A:LEU:HD22	1:94:A:GLY:HA2	12	0.34
(1,52)	1:42:A:LEU:HD23	1:94:A:GLY:HA2	12	0.34
(1,44)	1:48:A:GLY:HA3	1:51:A:PRO:HD3	17	0.34
(1,20)	1:80:A:GLU:HB2	1:83:A:GLY:HA3	14	0.34
(1,2426)	1:21:A:GLY:H	1:30:A:GLU:HB3	20	0.33
(1,2416)	1:93:A:LEU:HB3	1:94:A:GLY:H	4	0.33
(1,2352)	1:4:A:GLN:HE22	1:111:A:LEU:HD11	20	0.33
(1,2352)	1:4:A:GLN:HE22	1:111:A:LEU:HD12	20	0.33
(1,2352)	1:4:A:GLN:HE22	1:111:A:LEU:HD13	20	0.33
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG11	10	0.33
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG12	10	0.33
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG13	10	0.33
(1,2224)	1:18:A:ARG:HE	1:53:A:LEU:HD11	1	0.33
(1,2224)	1:18:A:ARG:HE	1:53:A:LEU:HD12	1	0.33
(1,2224)	1:18:A:ARG:HE	1:53:A:LEU:HD13	1	0.33
(1,2125)	1:62:A:ARG:HB3	1:63:A:SER:H	10	0.33
(1,2125)	1:62:A:ARG:HB3	1:63:A:SER:H	12	0.33
(1,2125)	1:62:A:ARG:HB3	1:63:A:SER:H	14	0.33
(1,2122)	1:63:A:SER:H	1:63:A:SER:HB3	16	0.33
(1,2000)	1:20:A:PHE:HB2	1:30:A:GLU:H	14	0.33
(1,1961)	1:45:A:LEU:H	1:45:A:LEU:HB3	17	0.33
(1,1790)	1:12:A:VAL:H	1:49:A:VAL:HG11	14	0.33
(1,1790)	1:12:A:VAL:H	1:49:A:VAL:HG12	14	0.33
(1,1790)	1:12:A:VAL:H	1:49:A:VAL:HG13	14	0.33
(1,1537)	1:59:A:PHE:HA	1:60:A:ILE:HG13	5	0.33
(1,1473)	1:62:A:ARG:HA	1:63:A:SER:HB3	7	0.33
(1,1387)	1:15:A:VAL:HG21	1:97:A:VAL:HA	7	0.33
(1,1387)	1:15:A:VAL:HG22	1:97:A:VAL:HA	7	0.33
(1,1387)	1:15:A:VAL:HG23	1:97:A:VAL:HA	7	0.33
(1,1312)	1:17:A:VAL:H	1:17:A:VAL:HG21	16	0.33
(1,1312)	1:17:A:VAL:H	1:17:A:VAL:HG22	16	0.33
(1,1312)	1:17:A:VAL:H	1:17:A:VAL:HG23	16	0.33
(1,1280)	1:95:A:VAL:HA	1:96:A:LEU:HB3	7	0.33
(1,1189)	1:9:A:VAL:HG21	1:44:A:GLU:HG2	19	0.33
(1,1189)	1:9:A:VAL:HG22	1:44:A:GLU:HG2	19	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1189)	1:9:A:VAL:HG23	1:44:A:GLU:HG2	19	0.33
(1,1163)	1:3:A:VAL:HA	1:4:A:GLN:HB3	8	0.33
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD21	11	0.33
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD22	11	0.33
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD23	11	0.33
(1,1121)	1:24:A:VAL:H	1:24:A:VAL:HG11	15	0.33
(1,1121)	1:24:A:VAL:H	1:24:A:VAL:HG12	15	0.33
(1,1121)	1:24:A:VAL:H	1:24:A:VAL:HG13	15	0.33
(1,995)	1:15:A:VAL:HG21	1:18:A:ARG:HG3	17	0.33
(1,995)	1:15:A:VAL:HG22	1:18:A:ARG:HG3	17	0.33
(1,995)	1:15:A:VAL:HG23	1:18:A:ARG:HG3	17	0.33
(1,990)	1:15:A:VAL:HG21	1:97:A:VAL:H	11	0.33
(1,990)	1:15:A:VAL:HG22	1:97:A:VAL:H	11	0.33
(1,990)	1:15:A:VAL:HG23	1:97:A:VAL:H	11	0.33
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG11	2	0.33
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG12	2	0.33
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG13	2	0.33
(1,881)	1:77:A:LEU:H	1:112:A:LEU:HD21	1	0.33
(1,881)	1:77:A:LEU:H	1:112:A:LEU:HD22	1	0.33
(1,881)	1:77:A:LEU:H	1:112:A:LEU:HD23	1	0.33
(1,868)	1:36:A:LYS:H	1:36:A:LYS:HG2	8	0.33
(1,837)	1:42:A:LEU:HD21	1:60:A:ILE:HD11	20	0.33
(1,837)	1:42:A:LEU:HD21	1:60:A:ILE:HD12	20	0.33
(1,837)	1:42:A:LEU:HD21	1:60:A:ILE:HD13	20	0.33
(1,837)	1:42:A:LEU:HD22	1:60:A:ILE:HD11	20	0.33
(1,837)	1:42:A:LEU:HD22	1:60:A:ILE:HD12	20	0.33
(1,837)	1:42:A:LEU:HD22	1:60:A:ILE:HD13	20	0.33
(1,837)	1:42:A:LEU:HD23	1:60:A:ILE:HD11	20	0.33
(1,837)	1:42:A:LEU:HD23	1:60:A:ILE:HD12	20	0.33
(1,837)	1:42:A:LEU:HD23	1:60:A:ILE:HD13	20	0.33
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD21	4	0.33
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD22	4	0.33
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD23	4	0.33
(1,746)	1:60:A:ILE:HG12	1:61:A:LYS:H	14	0.33
(1,661)	1:23:A:SER:HB2	1:25:A:GLU:HB2	5	0.33
(1,513)	1:30:A:GLU:HB2	1:33:A:GLU:H	18	0.33
(1,490)	1:112:A:LEU:HD21	1:113:A:ARG:HB3	9	0.33
(1,490)	1:112:A:LEU:HD22	1:113:A:ARG:HB3	9	0.33
(1,490)	1:112:A:LEU:HD23	1:113:A:ARG:HB3	9	0.33
(1,466)	1:72:A:HIS:HB2	1:73:A:LYS:HG2	8	0.33
(1,466)	1:72:A:HIS:HB3	1:73:A:LYS:HG2	8	0.33
(1,408)	1:8:A:PRO:HB3	1:104:A:PRO:HB2	5	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,235)	1:23:A:SER:HB3	1:26:A:GLU:HG2	6	0.33
(1,224)	1:10:A:LEU:HD11	1:102:A:GLU:HG2	17	0.33
(1,224)	1:10:A:LEU:HD12	1:102:A:GLU:HG2	17	0.33
(1,224)	1:10:A:LEU:HD13	1:102:A:GLU:HG2	17	0.33
(1,210)	1:42:A:LEU:HG	1:44:A:GLU:HG2	13	0.33
(1,204)	1:43:A:VAL:HA	1:44:A:GLU:HG2	8	0.33
(1,192)	1:109:A:ASN:H	1:109:A:ASN:HB2	18	0.33
(1,173)	1:45:A:LEU:HB3	1:94:A:GLY:HA2	8	0.33
(1,44)	1:48:A:GLY:HA3	1:51:A:PRO:HD3	15	0.33
(1,17)	1:7:A:LEU:HB3	1:42:A:LEU:HB3	8	0.33
(1,2426)	1:21:A:GLY:H	1:30:A:GLU:HB3	16	0.32
(1,2352)	1:4:A:GLN:HE22	1:111:A:LEU:HD11	16	0.32
(1,2352)	1:4:A:GLN:HE22	1:111:A:LEU:HD12	16	0.32
(1,2352)	1:4:A:GLN:HE22	1:111:A:LEU:HD13	16	0.32
(1,2281)	1:41:A:GLY:H	1:99:A:HIS:HB3	17	0.32
(1,2235)	1:20:A:PHE:H	1:30:A:GLU:HB3	17	0.32
(1,2184)	1:34:A:HIS:H	1:40:A:CYS:HB3	9	0.32
(1,2125)	1:62:A:ARG:HB3	1:63:A:SER:H	15	0.32
(1,2125)	1:62:A:ARG:HB3	1:63:A:SER:H	20	0.32
(1,2081)	1:55:A:GLN:H	1:55:A:GLN:HB3	6	0.32
(1,1898)	1:102:A:GLU:HB3	1:103:A:THR:H	10	0.32
(1,1860)	1:61:A:LYS:H	1:76:A:GLU:HB2	17	0.32
(1,1642)	1:2:A:HIS:HB2	1:112:A:LEU:HA	8	0.32
(1,1599)	1:21:A:GLY:HA2	1:22:A:ASP:HA	3	0.32
(1,1352)	1:30:A:GLU:HA	1:33:A:GLU:HB3	8	0.32
(1,1344)	1:102:A:GLU:HA	1:102:A:GLU:HG3	18	0.32
(1,1312)	1:17:A:VAL:H	1:17:A:VAL:HG21	7	0.32
(1,1312)	1:17:A:VAL:H	1:17:A:VAL:HG22	7	0.32
(1,1312)	1:17:A:VAL:H	1:17:A:VAL:HG23	7	0.32
(1,1287)	1:34:A:HIS:HA	1:37:A:ASN:HB3	13	0.32
(1,1242)	1:74:A:VAL:H	1:74:A:VAL:HG11	17	0.32
(1,1242)	1:74:A:VAL:H	1:74:A:VAL:HG12	17	0.32
(1,1242)	1:74:A:VAL:H	1:74:A:VAL:HG13	17	0.32
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG11	10	0.32
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG12	10	0.32
(1,1236)	1:27:A:ALA:HB1	1:58:A:VAL:HG13	10	0.32
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG11	10	0.32
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG12	10	0.32
(1,1236)	1:27:A:ALA:HB2	1:58:A:VAL:HG13	10	0.32
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG11	10	0.32
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG12	10	0.32
(1,1236)	1:27:A:ALA:HB3	1:58:A:VAL:HG13	10	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG11	19	0.32
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG12	19	0.32
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG13	19	0.32
(1,1155)	1:9:A:VAL:HA	1:42:A:LEU:HB2	20	0.32
(1,1121)	1:24:A:VAL:H	1:24:A:VAL:HG11	8	0.32
(1,1121)	1:24:A:VAL:H	1:24:A:VAL:HG12	8	0.32
(1,1121)	1:24:A:VAL:H	1:24:A:VAL:HG13	8	0.32
(1,1102)	1:50:A:LEU:HA	1:50:A:LEU:HD21	6	0.32
(1,1102)	1:50:A:LEU:HA	1:50:A:LEU:HD22	6	0.32
(1,1102)	1:50:A:LEU:HA	1:50:A:LEU:HD23	6	0.32
(1,1017)	1:24:A:VAL:HG21	1:79:A:ALA:HB1	3	0.32
(1,1017)	1:24:A:VAL:HG21	1:79:A:ALA:HB2	3	0.32
(1,1017)	1:24:A:VAL:HG21	1:79:A:ALA:HB3	3	0.32
(1,1017)	1:24:A:VAL:HG22	1:79:A:ALA:HB1	3	0.32
(1,1017)	1:24:A:VAL:HG22	1:79:A:ALA:HB2	3	0.32
(1,1017)	1:24:A:VAL:HG22	1:79:A:ALA:HB3	3	0.32
(1,1017)	1:24:A:VAL:HG23	1:79:A:ALA:HB1	3	0.32
(1,1017)	1:24:A:VAL:HG23	1:79:A:ALA:HB2	3	0.32
(1,1017)	1:24:A:VAL:HG23	1:79:A:ALA:HB3	3	0.32
(1,954)	1:49:A:VAL:HG11	1:52:A:GLN:HE21	12	0.32
(1,954)	1:49:A:VAL:HG12	1:52:A:GLN:HE21	12	0.32
(1,954)	1:49:A:VAL:HG13	1:52:A:GLN:HE21	12	0.32
(1,876)	1:20:A:PHE:HE1	1:35:A:LEU:HD11	5	0.32
(1,876)	1:20:A:PHE:HE1	1:35:A:LEU:HD12	5	0.32
(1,876)	1:20:A:PHE:HE1	1:35:A:LEU:HD13	5	0.32
(1,876)	1:20:A:PHE:HE2	1:35:A:LEU:HD11	5	0.32
(1,876)	1:20:A:PHE:HE2	1:35:A:LEU:HD12	5	0.32
(1,876)	1:20:A:PHE:HE2	1:35:A:LEU:HD13	5	0.32
(1,864)	1:6:A:SER:HB3	1:110:A:VAL:H	9	0.32
(1,864)	1:6:A:SER:HB3	1:110:A:VAL:H	11	0.32
(1,858)	1:40:A:CYS:HB3	1:98:A:PRO:HA	5	0.32
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD21	5	0.32
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD22	5	0.32
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD23	5	0.32
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD21	18	0.32
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD22	18	0.32
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD23	18	0.32
(1,815)	1:63:A:SER:HB3	1:75:A:VAL:HA	16	0.32
(1,682)	1:8:A:PRO:HG3	1:104:A:PRO:HB3	16	0.32
(1,661)	1:23:A:SER:HB2	1:25:A:GLU:HB2	3	0.32
(1,661)	1:23:A:SER:HB2	1:25:A:GLU:HB2	15	0.32
(1,661)	1:23:A:SER:HB2	1:25:A:GLU:HB2	17	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,640)	1:23:A:SER:HB2	1:24:A:VAL:H	17	0.32
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG21	18	0.32
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG22	18	0.32
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG23	18	0.32
(1,477)	1:62:A:ARG:HB2	1:91:A:ILE:HA	17	0.32
(1,463)	1:51:A:PRO:HB3	1:52:A:GLN:H	4	0.32
(1,408)	1:8:A:PRO:HB3	1:104:A:PRO:HB2	18	0.32
(1,200)	1:62:A:ARG:HG2	1:91:A:ILE:HB	2	0.32
(1,82)	1:7:A:LEU:HD11	1:41:A:GLY:HA3	10	0.32
(1,82)	1:7:A:LEU:HD12	1:41:A:GLY:HA3	10	0.32
(1,82)	1:7:A:LEU:HD13	1:41:A:GLY:HA3	10	0.32
(1,65)	1:41:A:GLY:HA3	1:99:A:HIS:HB3	5	0.32
(1,65)	1:41:A:GLY:HA3	1:99:A:HIS:HB3	10	0.32
(1,44)	1:48:A:GLY:HA3	1:51:A:PRO:HD3	18	0.32
(1,20)	1:80:A:GLU:HB2	1:83:A:GLY:HA3	9	0.32
(1,2463)	1:20:A:PHE:HD1	1:58:A:VAL:HG11	3	0.31
(1,2463)	1:20:A:PHE:HD1	1:58:A:VAL:HG12	3	0.31
(1,2463)	1:20:A:PHE:HD1	1:58:A:VAL:HG13	3	0.31
(1,2463)	1:20:A:PHE:HD2	1:58:A:VAL:HG11	3	0.31
(1,2463)	1:20:A:PHE:HD2	1:58:A:VAL:HG12	3	0.31
(1,2463)	1:20:A:PHE:HD2	1:58:A:VAL:HG13	3	0.31
(1,2440)	1:57:A:TYR:HD1	1:95:A:VAL:HG11	4	0.31
(1,2440)	1:57:A:TYR:HD1	1:95:A:VAL:HG12	4	0.31
(1,2440)	1:57:A:TYR:HD1	1:95:A:VAL:HG13	4	0.31
(1,2440)	1:57:A:TYR:HD2	1:95:A:VAL:HG11	4	0.31
(1,2440)	1:57:A:TYR:HD2	1:95:A:VAL:HG12	4	0.31
(1,2440)	1:57:A:TYR:HD2	1:95:A:VAL:HG13	4	0.31
(1,2419)	1:42:A:LEU:HD21	1:94:A:GLY:H	7	0.31
(1,2419)	1:42:A:LEU:HD22	1:94:A:GLY:H	7	0.31
(1,2419)	1:42:A:LEU:HD23	1:94:A:GLY:H	7	0.31
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG11	8	0.31
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG12	8	0.31
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG13	8	0.31
(1,2212)	1:11:A:GLN:HG2	1:14:A:ASP:H	17	0.31
(1,2122)	1:63:A:SER:H	1:63:A:SER:HB3	6	0.31
(1,2122)	1:63:A:SER:H	1:63:A:SER:HB3	7	0.31
(1,2113)	1:66:A:LEU:H	1:66:A:LEU:HB2	10	0.31
(1,1995)	1:10:A:LEU:HB2	1:11:A:GLN:H	2	0.31
(1,1995)	1:10:A:LEU:HB2	1:11:A:GLN:H	18	0.31
(1,1961)	1:45:A:LEU:H	1:45:A:LEU:HB3	11	0.31
(1,1729)	1:50:A:LEU:HD11	1:51:A:PRO:HD2	10	0.31
(1,1729)	1:50:A:LEU:HD12	1:51:A:PRO:HD2	10	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1729)	1:50:A:LEU:HD13	1:51:A:PRO:HD2	10	0.31
(1,1537)	1:59:A:PHE:HA	1:60:A:ILE:HG13	3	0.31
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB1	12	0.31
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB2	12	0.31
(1,1394)	1:63:A:SER:HB2	1:65:A:ALA:HB3	12	0.31
(1,1387)	1:15:A:VAL:HG21	1:97:A:VAL:HA	17	0.31
(1,1387)	1:15:A:VAL:HG22	1:97:A:VAL:HA	17	0.31
(1,1387)	1:15:A:VAL:HG23	1:97:A:VAL:HA	17	0.31
(1,1317)	1:100:A:VAL:H	1:100:A:VAL:HG21	4	0.31
(1,1317)	1:100:A:VAL:H	1:100:A:VAL:HG22	4	0.31
(1,1317)	1:100:A:VAL:H	1:100:A:VAL:HG23	4	0.31
(1,1280)	1:95:A:VAL:HA	1:96:A:LEU:HB3	5	0.31
(1,1121)	1:24:A:VAL:H	1:24:A:VAL:HG11	3	0.31
(1,1121)	1:24:A:VAL:H	1:24:A:VAL:HG12	3	0.31
(1,1121)	1:24:A:VAL:H	1:24:A:VAL:HG13	3	0.31
(1,1121)	1:24:A:VAL:H	1:24:A:VAL:HG11	5	0.31
(1,1121)	1:24:A:VAL:H	1:24:A:VAL:HG12	5	0.31
(1,1121)	1:24:A:VAL:H	1:24:A:VAL:HG13	5	0.31
(1,1121)	1:24:A:VAL:H	1:24:A:VAL:HG11	18	0.31
(1,1121)	1:24:A:VAL:H	1:24:A:VAL:HG12	18	0.31
(1,1121)	1:24:A:VAL:H	1:24:A:VAL:HG13	18	0.31
(1,1101)	1:58:A:VAL:HG21	1:77:A:LEU:HD21	12	0.31
(1,1101)	1:58:A:VAL:HG21	1:77:A:LEU:HD22	12	0.31
(1,1101)	1:58:A:VAL:HG21	1:77:A:LEU:HD23	12	0.31
(1,1101)	1:58:A:VAL:HG22	1:77:A:LEU:HD21	12	0.31
(1,1101)	1:58:A:VAL:HG22	1:77:A:LEU:HD22	12	0.31
(1,1101)	1:58:A:VAL:HG22	1:77:A:LEU:HD23	12	0.31
(1,1101)	1:58:A:VAL:HG23	1:77:A:LEU:HD21	12	0.31
(1,1101)	1:58:A:VAL:HG23	1:77:A:LEU:HD22	12	0.31
(1,1101)	1:58:A:VAL:HG23	1:77:A:LEU:HD23	12	0.31
(1,990)	1:15:A:VAL:HG21	1:97:A:VAL:H	5	0.31
(1,990)	1:15:A:VAL:HG22	1:97:A:VAL:H	5	0.31
(1,990)	1:15:A:VAL:HG23	1:97:A:VAL:H	5	0.31
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG11	4	0.31
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG12	4	0.31
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG13	4	0.31
(1,888)	1:7:A:LEU:HD11	1:40:A:CYS:HA	3	0.31
(1,888)	1:7:A:LEU:HD12	1:40:A:CYS:HA	3	0.31
(1,888)	1:7:A:LEU:HD13	1:40:A:CYS:HA	3	0.31
(1,876)	1:20:A:PHE:HE1	1:35:A:LEU:HD11	18	0.31
(1,876)	1:20:A:PHE:HE1	1:35:A:LEU:HD12	18	0.31
(1,876)	1:20:A:PHE:HE1	1:35:A:LEU:HD13	18	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,876)	1:20:A:PHE:HE2	1:35:A:LEU:HD11	18	0.31
(1,876)	1:20:A:PHE:HE2	1:35:A:LEU:HD12	18	0.31
(1,876)	1:20:A:PHE:HE2	1:35:A:LEU:HD13	18	0.31
(1,815)	1:63:A:SER:HB3	1:75:A:VAL:HA	6	0.31
(1,814)	1:15:A:VAL:HA	1:102:A:GLU:HG2	14	0.31
(1,814)	1:15:A:VAL:HA	1:102:A:GLU:HG2	19	0.31
(1,803)	1:63:A:SER:HB2	1:74:A:VAL:HG21	3	0.31
(1,803)	1:63:A:SER:HB2	1:74:A:VAL:HG22	3	0.31
(1,803)	1:63:A:SER:HB2	1:74:A:VAL:HG23	3	0.31
(1,746)	1:60:A:ILE:HG12	1:61:A:LYS:H	15	0.31
(1,682)	1:8:A:PRO:HG3	1:104:A:PRO:HB3	5	0.31
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG21	8	0.31
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG22	8	0.31
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG23	8	0.31
(1,255)	1:20:A:PHE:HB2	1:30:A:GLU:HG2	1	0.31
(1,204)	1:43:A:VAL:HA	1:44:A:GLU:HG2	17	0.31
(1,202)	1:44:A:GLU:H	1:44:A:GLU:HG2	3	0.31
(1,192)	1:109:A:ASN:H	1:109:A:ASN:HB2	1	0.31
(1,82)	1:7:A:LEU:HD11	1:41:A:GLY:HA3	11	0.31
(1,82)	1:7:A:LEU:HD12	1:41:A:GLY:HA3	11	0.31
(1,82)	1:7:A:LEU:HD13	1:41:A:GLY:HA3	11	0.31
(1,52)	1:42:A:LEU:HD21	1:94:A:GLY:HA2	1	0.31
(1,52)	1:42:A:LEU:HD22	1:94:A:GLY:HA2	1	0.31
(1,52)	1:42:A:LEU:HD23	1:94:A:GLY:HA2	1	0.31
(1,20)	1:80:A:GLU:HB2	1:83:A:GLY:HA3	17	0.31
(1,2347)	1:23:A:SER:H	1:23:A:SER:HB3	1	0.3
(1,2212)	1:11:A:GLN:HG2	1:14:A:ASP:H	14	0.3
(1,2125)	1:62:A:ARG:HB3	1:63:A:SER:H	17	0.3
(1,2081)	1:55:A:GLN:H	1:55:A:GLN:HB3	4	0.3
(1,2000)	1:20:A:PHE:HB2	1:30:A:GLU:H	18	0.3
(1,1942)	1:7:A:LEU:HD11	1:40:A:CYS:H	18	0.3
(1,1942)	1:7:A:LEU:HD12	1:40:A:CYS:H	18	0.3
(1,1942)	1:7:A:LEU:HD13	1:40:A:CYS:H	18	0.3
(1,1739)	1:50:A:LEU:HB3	1:51:A:PRO:HD2	4	0.3
(1,1733)	1:49:A:VAL:HG21	1:51:A:PRO:HD3	1	0.3
(1,1733)	1:49:A:VAL:HG22	1:51:A:PRO:HD3	1	0.3
(1,1733)	1:49:A:VAL:HG23	1:51:A:PRO:HD3	1	0.3
(1,1729)	1:50:A:LEU:HD11	1:51:A:PRO:HD2	12	0.3
(1,1729)	1:50:A:LEU:HD12	1:51:A:PRO:HD2	12	0.3
(1,1729)	1:50:A:LEU:HD13	1:51:A:PRO:HD2	12	0.3
(1,1729)	1:50:A:LEU:HD11	1:51:A:PRO:HD2	20	0.3
(1,1729)	1:50:A:LEU:HD12	1:51:A:PRO:HD2	20	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1729)	1:50:A:LEU:HD13	1:51:A:PRO:HD2	20	0.3
(1,1593)	1:54:A:GLU:HA	1:54:A:GLU:HG2	12	0.3
(1,1537)	1:59:A:PHE:HA	1:60:A:ILE:HG13	2	0.3
(1,1349)	1:62:A:ARG:HG3	1:75:A:VAL:HA	19	0.3
(1,1325)	1:36:A:LYS:HA	1:36:A:LYS:HD3	11	0.3
(1,1287)	1:34:A:HIS:HA	1:37:A:ASN:HB3	14	0.3
(1,1267)	1:78:A:VAL:HG11	1:79:A:ALA:H	14	0.3
(1,1267)	1:78:A:VAL:HG12	1:79:A:ALA:H	14	0.3
(1,1267)	1:78:A:VAL:HG13	1:79:A:ALA:H	14	0.3
(1,1242)	1:74:A:VAL:H	1:74:A:VAL:HG11	14	0.3
(1,1242)	1:74:A:VAL:H	1:74:A:VAL:HG12	14	0.3
(1,1242)	1:74:A:VAL:H	1:74:A:VAL:HG13	14	0.3
(1,1207)	1:9:A:VAL:HG11	1:44:A:GLU:HG2	14	0.3
(1,1207)	1:9:A:VAL:HG12	1:44:A:GLU:HG2	14	0.3
(1,1207)	1:9:A:VAL:HG13	1:44:A:GLU:HG2	14	0.3
(1,1189)	1:9:A:VAL:HG21	1:44:A:GLU:HG2	14	0.3
(1,1189)	1:9:A:VAL:HG22	1:44:A:GLU:HG2	14	0.3
(1,1189)	1:9:A:VAL:HG23	1:44:A:GLU:HG2	14	0.3
(1,1121)	1:24:A:VAL:H	1:24:A:VAL:HG11	19	0.3
(1,1121)	1:24:A:VAL:H	1:24:A:VAL:HG12	19	0.3
(1,1121)	1:24:A:VAL:H	1:24:A:VAL:HG13	19	0.3
(1,1023)	1:15:A:VAL:HG21	1:16:A:LEU:H	3	0.3
(1,1023)	1:15:A:VAL:HG22	1:16:A:LEU:H	3	0.3
(1,1023)	1:15:A:VAL:HG23	1:16:A:LEU:H	3	0.3
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG11	11	0.3
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG12	11	0.3
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG13	11	0.3
(1,916)	1:24:A:VAL:HG11	1:56:A:PRO:HG3	3	0.3
(1,916)	1:24:A:VAL:HG12	1:56:A:PRO:HG3	3	0.3
(1,916)	1:24:A:VAL:HG13	1:56:A:PRO:HG3	3	0.3
(1,887)	1:93:A:LEU:HA	1:93:A:LEU:HD21	9	0.3
(1,887)	1:93:A:LEU:HA	1:93:A:LEU:HD22	9	0.3
(1,887)	1:93:A:LEU:HA	1:93:A:LEU:HD23	9	0.3
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD21	14	0.3
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD22	14	0.3
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD23	14	0.3
(1,746)	1:60:A:ILE:HG12	1:61:A:LYS:H	11	0.3
(1,746)	1:60:A:ILE:HG12	1:61:A:LYS:H	17	0.3
(1,746)	1:60:A:ILE:HG12	1:61:A:LYS:H	20	0.3
(1,742)	1:42:A:LEU:HD21	1:60:A:ILE:HG13	15	0.3
(1,742)	1:42:A:LEU:HD22	1:60:A:ILE:HG13	15	0.3
(1,742)	1:42:A:LEU:HD23	1:60:A:ILE:HG13	15	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,567)	1:11:A:GLN:HB3	1:15:A:VAL:H	10	0.3
(1,463)	1:51:A:PRO:HB3	1:52:A:GLN:H	12	0.3
(1,408)	1:8:A:PRO:HB3	1:104:A:PRO:HB2	19	0.3
(1,298)	1:26:A:GLU:HB2	1:56:A:PRO:HB3	19	0.3
(1,297)	1:56:A:PRO:HB3	1:80:A:GLU:H	5	0.3
(1,296)	1:63:A:SER:HB3	1:76:A:GLU:HG2	12	0.3
(1,296)	1:63:A:SER:HB3	1:76:A:GLU:HG3	12	0.3
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG11	8	0.3
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG12	8	0.3
(1,261)	1:46:A:GLU:HG2	1:49:A:VAL:HG13	8	0.3
(1,225)	1:100:A:VAL:HG11	1:102:A:GLU:HG3	15	0.3
(1,225)	1:100:A:VAL:HG12	1:102:A:GLU:HG3	15	0.3
(1,225)	1:100:A:VAL:HG13	1:102:A:GLU:HG3	15	0.3
(1,210)	1:42:A:LEU:HG	1:44:A:GLU:HG2	19	0.3
(1,112)	1:15:A:VAL:HG21	1:18:A:ARG:HD2	10	0.3
(1,112)	1:15:A:VAL:HG22	1:18:A:ARG:HD2	10	0.3
(1,112)	1:15:A:VAL:HG23	1:18:A:ARG:HD2	10	0.3
(1,65)	1:41:A:GLY:HA3	1:99:A:HIS:HB3	19	0.3
(1,59)	1:3:A:VAL:HB	1:112:A:LEU:HB2	9	0.3
(1,43)	1:47:A:LYS:HG3	1:48:A:GLY:HA3	11	0.3
(1,17)	1:7:A:LEU:HB3	1:42:A:LEU:HB3	17	0.3
(1,2351)	1:4:A:GLN:HE22	1:5:A:LEU:H	16	0.29
(1,2347)	1:23:A:SER:H	1:23:A:SER:HB3	20	0.29
(1,2313)	1:4:A:GLN:HE22	1:109:A:ASN:HD22	15	0.29
(1,2282)	1:8:A:PRO:HG3	1:41:A:GLY:H	9	0.29
(1,2281)	1:41:A:GLY:H	1:99:A:HIS:HB3	5	0.29
(1,2275)	1:37:A:ASN:H	1:37:A:ASN:HB3	7	0.29
(1,2125)	1:62:A:ARG:HB3	1:63:A:SER:H	18	0.29
(1,2000)	1:20:A:PHE:HB2	1:30:A:GLU:H	8	0.29
(1,1962)	1:42:A:LEU:HD11	1:45:A:LEU:H	11	0.29
(1,1962)	1:42:A:LEU:HD12	1:45:A:LEU:H	11	0.29
(1,1962)	1:42:A:LEU:HD13	1:45:A:LEU:H	11	0.29
(1,1961)	1:45:A:LEU:H	1:45:A:LEU:HB3	5	0.29
(1,1898)	1:102:A:GLU:HB3	1:103:A:THR:H	11	0.29
(1,1790)	1:12:A:VAL:H	1:49:A:VAL:HG11	7	0.29
(1,1790)	1:12:A:VAL:H	1:49:A:VAL:HG12	7	0.29
(1,1790)	1:12:A:VAL:H	1:49:A:VAL:HG13	7	0.29
(1,1739)	1:50:A:LEU:HB3	1:51:A:PRO:HD2	9	0.29
(1,1739)	1:50:A:LEU:HB3	1:51:A:PRO:HD2	20	0.29
(1,1729)	1:50:A:LEU:HD11	1:51:A:PRO:HD2	11	0.29
(1,1729)	1:50:A:LEU:HD12	1:51:A:PRO:HD2	11	0.29
(1,1729)	1:50:A:LEU:HD13	1:51:A:PRO:HD2	11	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1710)	1:7:A:LEU:HA	1:41:A:GLY:HA3	4	0.29
(1,1593)	1:54:A:GLU:HA	1:54:A:GLU:HG2	16	0.29
(1,1537)	1:59:A:PHE:HA	1:60:A:ILE:HG13	6	0.29
(1,1537)	1:59:A:PHE:HA	1:60:A:ILE:HG13	16	0.29
(1,1349)	1:62:A:ARG:HG3	1:75:A:VAL:HA	6	0.29
(1,1312)	1:17:A:VAL:H	1:17:A:VAL:HG21	4	0.29
(1,1312)	1:17:A:VAL:H	1:17:A:VAL:HG22	4	0.29
(1,1312)	1:17:A:VAL:H	1:17:A:VAL:HG23	4	0.29
(1,1242)	1:74:A:VAL:H	1:74:A:VAL:HG11	13	0.29
(1,1242)	1:74:A:VAL:H	1:74:A:VAL:HG12	13	0.29
(1,1242)	1:74:A:VAL:H	1:74:A:VAL:HG13	13	0.29
(1,1187)	1:43:A:VAL:H	1:43:A:VAL:HG21	8	0.29
(1,1187)	1:43:A:VAL:H	1:43:A:VAL:HG22	8	0.29
(1,1187)	1:43:A:VAL:H	1:43:A:VAL:HG23	8	0.29
(1,1121)	1:24:A:VAL:H	1:24:A:VAL:HG11	7	0.29
(1,1121)	1:24:A:VAL:H	1:24:A:VAL:HG12	7	0.29
(1,1121)	1:24:A:VAL:H	1:24:A:VAL:HG13	7	0.29
(1,1121)	1:24:A:VAL:H	1:24:A:VAL:HG11	16	0.29
(1,1121)	1:24:A:VAL:H	1:24:A:VAL:HG12	16	0.29
(1,1121)	1:24:A:VAL:H	1:24:A:VAL:HG13	16	0.29
(1,1102)	1:50:A:LEU:HA	1:50:A:LEU:HD21	3	0.29
(1,1102)	1:50:A:LEU:HA	1:50:A:LEU:HD22	3	0.29
(1,1102)	1:50:A:LEU:HA	1:50:A:LEU:HD23	3	0.29
(1,990)	1:15:A:VAL:HG21	1:97:A:VAL:H	1	0.29
(1,990)	1:15:A:VAL:HG22	1:97:A:VAL:H	1	0.29
(1,990)	1:15:A:VAL:HG23	1:97:A:VAL:H	1	0.29
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG11	16	0.29
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG12	16	0.29
(1,960)	1:46:A:GLU:HB3	1:49:A:VAL:HG13	16	0.29
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG11	17	0.29
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG12	17	0.29
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG13	17	0.29
(1,888)	1:7:A:LEU:HD11	1:40:A:CYS:HA	11	0.29
(1,888)	1:7:A:LEU:HD12	1:40:A:CYS:HA	11	0.29
(1,888)	1:7:A:LEU:HD13	1:40:A:CYS:HA	11	0.29
(1,815)	1:63:A:SER:HB3	1:75:A:VAL:HA	11	0.29
(1,803)	1:63:A:SER:HB2	1:74:A:VAL:HG21	7	0.29
(1,803)	1:63:A:SER:HB2	1:74:A:VAL:HG22	7	0.29
(1,803)	1:63:A:SER:HB2	1:74:A:VAL:HG23	7	0.29
(1,746)	1:60:A:ILE:HG12	1:61:A:LYS:H	7	0.29
(1,697)	1:74:A:VAL:HG11	1:111:A:LEU:HG	20	0.29
(1,697)	1:74:A:VAL:HG12	1:111:A:LEU:HG	20	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,697)	1:74:A:VAL:HG13	1:111:A:LEU:HG	20	0.29
(1,682)	1:8:A:PRO:HG3	1:104:A:PRO:HB3	18	0.29
(1,661)	1:23:A:SER:HB2	1:25:A:GLU:HB2	1	0.29
(1,661)	1:23:A:SER:HB2	1:25:A:GLU:HB2	16	0.29
(1,576)	1:11:A:GLN:HB3	1:14:A:ASP:HA	3	0.29
(1,546)	1:4:A:GLN:HB2	1:5:A:LEU:H	2	0.29
(1,466)	1:72:A:HIS:HB2	1:73:A:LYS:HG2	4	0.29
(1,466)	1:72:A:HIS:HB3	1:73:A:LYS:HG2	4	0.29
(1,466)	1:72:A:HIS:HB2	1:73:A:LYS:HG2	10	0.29
(1,466)	1:72:A:HIS:HB3	1:73:A:LYS:HG2	10	0.29
(1,441)	1:107:A:TYR:HA	1:108:A:ARG:HB3	17	0.29
(1,296)	1:63:A:SER:HB3	1:76:A:GLU:HG2	10	0.29
(1,296)	1:63:A:SER:HB3	1:76:A:GLU:HG3	10	0.29
(1,209)	1:42:A:LEU:HD11	1:44:A:GLU:HG3	7	0.29
(1,209)	1:42:A:LEU:HD12	1:44:A:GLU:HG3	7	0.29
(1,209)	1:42:A:LEU:HD13	1:44:A:GLU:HG3	7	0.29
(1,200)	1:62:A:ARG:HG2	1:91:A:ILE:HB	1	0.29
(1,139)	1:63:A:SER:HB2	1:66:A:LEU:HB2	6	0.29
(1,65)	1:41:A:GLY:HA3	1:99:A:HIS:HB3	1	0.29
(1,59)	1:3:A:VAL:HB	1:112:A:LEU:HB2	7	0.29
(1,43)	1:47:A:LYS:HG3	1:48:A:GLY:HA3	3	0.29
(1,2282)	1:8:A:PRO:HG3	1:41:A:GLY:H	5	0.28
(1,2275)	1:37:A:ASN:H	1:37:A:ASN:HB3	4	0.28
(1,2212)	1:11:A:GLN:HG2	1:14:A:ASP:H	10	0.28
(1,2125)	1:62:A:ARG:HB3	1:63:A:SER:H	1	0.28
(1,2125)	1:62:A:ARG:HB3	1:63:A:SER:H	7	0.28
(1,1898)	1:102:A:GLU:HB3	1:103:A:THR:H	3	0.28
(1,1537)	1:59:A:PHE:HA	1:60:A:ILE:HG13	18	0.28
(1,1530)	1:20:A:PHE:HB3	1:27:A:ALA:HB1	16	0.28
(1,1530)	1:20:A:PHE:HB3	1:27:A:ALA:HB2	16	0.28
(1,1530)	1:20:A:PHE:HB3	1:27:A:ALA:HB3	16	0.28
(1,1276)	1:37:A:ASN:HD22	1:39:A:THR:HG21	7	0.28
(1,1276)	1:37:A:ASN:HD22	1:39:A:THR:HG22	7	0.28
(1,1276)	1:37:A:ASN:HD22	1:39:A:THR:HG23	7	0.28
(1,1259)	1:49:A:VAL:HG21	1:50:A:LEU:H	15	0.28
(1,1259)	1:49:A:VAL:HG22	1:50:A:LEU:H	15	0.28
(1,1259)	1:49:A:VAL:HG23	1:50:A:LEU:H	15	0.28
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG11	5	0.28
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG12	5	0.28
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG13	5	0.28
(1,1151)	1:10:A:LEU:HD21	1:41:A:GLY:HA2	5	0.28
(1,1151)	1:10:A:LEU:HD22	1:41:A:GLY:HA2	5	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1151)	1:10:A:LEU:HD23	1:41:A:GLY:HA2	5	0.28
(1,1102)	1:50:A:LEU:HA	1:50:A:LEU:HD21	14	0.28
(1,1102)	1:50:A:LEU:HA	1:50:A:LEU:HD22	14	0.28
(1,1102)	1:50:A:LEU:HA	1:50:A:LEU:HD23	14	0.28
(1,1006)	1:53:A:LEU:HD11	1:97:A:VAL:HG11	2	0.28
(1,1006)	1:53:A:LEU:HD11	1:97:A:VAL:HG12	2	0.28
(1,1006)	1:53:A:LEU:HD11	1:97:A:VAL:HG13	2	0.28
(1,1006)	1:53:A:LEU:HD12	1:97:A:VAL:HG11	2	0.28
(1,1006)	1:53:A:LEU:HD12	1:97:A:VAL:HG12	2	0.28
(1,1006)	1:53:A:LEU:HD12	1:97:A:VAL:HG13	2	0.28
(1,1006)	1:53:A:LEU:HD13	1:97:A:VAL:HG11	2	0.28
(1,1006)	1:53:A:LEU:HD13	1:97:A:VAL:HG12	2	0.28
(1,1006)	1:53:A:LEU:HD13	1:97:A:VAL:HG13	2	0.28
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD21	8	0.28
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD22	8	0.28
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD23	8	0.28
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG11	15	0.28
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG12	15	0.28
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG13	15	0.28
(1,858)	1:40:A:CYS:HB3	1:98:A:PRO:HA	9	0.28
(1,818)	1:62:A:ARG:HD2	1:73:A:LYS:HG3	1	0.28
(1,818)	1:62:A:ARG:HD3	1:73:A:LYS:HG3	1	0.28
(1,815)	1:63:A:SER:HB3	1:75:A:VAL:HA	8	0.28
(1,778)	1:10:A:LEU:HD11	1:102:A:GLU:HB3	6	0.28
(1,778)	1:10:A:LEU:HD12	1:102:A:GLU:HB3	6	0.28
(1,778)	1:10:A:LEU:HD13	1:102:A:GLU:HB3	6	0.28
(1,777)	1:10:A:LEU:HD11	1:41:A:GLY:HA2	10	0.28
(1,777)	1:10:A:LEU:HD12	1:41:A:GLY:HA2	10	0.28
(1,777)	1:10:A:LEU:HD13	1:41:A:GLY:HA2	10	0.28
(1,743)	1:50:A:LEU:HG	1:51:A:PRO:HD2	14	0.28
(1,552)	1:17:A:VAL:HG11	1:18:A:ARG:HG2	5	0.28
(1,552)	1:17:A:VAL:HG12	1:18:A:ARG:HG2	5	0.28
(1,552)	1:17:A:VAL:HG13	1:18:A:ARG:HG2	5	0.28
(1,532)	1:10:A:LEU:HB2	1:102:A:GLU:HB2	2	0.28
(1,518)	1:52:A:GLN:HB2	1:53:A:LEU:HD21	2	0.28
(1,518)	1:52:A:GLN:HB2	1:53:A:LEU:HD22	2	0.28
(1,518)	1:52:A:GLN:HB2	1:53:A:LEU:HD23	2	0.28
(1,513)	1:30:A:GLU:HB2	1:33:A:GLU:H	2	0.28
(1,441)	1:107:A:TYR:HA	1:108:A:ARG:HB3	14	0.28
(1,318)	1:33:A:GLU:HG3	1:37:A:ASN:HD21	9	0.28
(1,318)	1:33:A:GLU:HG3	1:37:A:ASN:HD22	9	0.28
(1,318)	1:33:A:GLU:HG3	1:37:A:ASN:HD21	17	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,318)	1:33:A:GLU:HG3	1:37:A:ASN:HD22	17	0.28
(1,243)	1:24:A:VAL:HG21	1:25:A:GLU:HG2	8	0.28
(1,243)	1:24:A:VAL:HG22	1:25:A:GLU:HG2	8	0.28
(1,243)	1:24:A:VAL:HG23	1:25:A:GLU:HG2	8	0.28
(1,207)	1:44:A:GLU:HG3	1:45:A:LEU:H	15	0.28
(1,200)	1:62:A:ARG:HG2	1:91:A:ILE:HB	18	0.28
(1,145)	1:65:A:ALA:HA	1:66:A:LEU:HB2	7	0.28
(1,65)	1:41:A:GLY:HA3	1:99:A:HIS:HB3	20	0.28
(1,59)	1:3:A:VAL:HB	1:112:A:LEU:HB2	2	0.28
(1,59)	1:3:A:VAL:HB	1:112:A:LEU:HB2	5	0.28
(1,59)	1:3:A:VAL:HB	1:112:A:LEU:HB2	6	0.28
(1,52)	1:42:A:LEU:HD21	1:94:A:GLY:HA2	4	0.28
(1,52)	1:42:A:LEU:HD22	1:94:A:GLY:HA2	4	0.28
(1,52)	1:42:A:LEU:HD23	1:94:A:GLY:HA2	4	0.28
(1,44)	1:48:A:GLY:HA3	1:51:A:PRO:HD3	12	0.28
(1,37)	1:21:A:GLY:HA2	1:27:A:ALA:HB1	18	0.28
(1,37)	1:21:A:GLY:HA2	1:27:A:ALA:HB2	18	0.28
(1,37)	1:21:A:GLY:HA2	1:27:A:ALA:HB3	18	0.28
(1,1)	1:97:A:VAL:HB	1:98:A:PRO:HD3	19	0.28
(1,2313)	1:4:A:GLN:HE22	1:109:A:ASN:HD22	4	0.27
(1,2275)	1:37:A:ASN:H	1:37:A:ASN:HB3	17	0.27
(1,2100)	1:63:A:SER:HB2	1:66:A:LEU:H	8	0.27
(1,2081)	1:55:A:GLN:H	1:55:A:GLN:HB3	8	0.27
(1,2081)	1:55:A:GLN:H	1:55:A:GLN:HB3	9	0.27
(1,1961)	1:45:A:LEU:H	1:45:A:LEU:HB3	12	0.27
(1,1961)	1:45:A:LEU:H	1:45:A:LEU:HB3	19	0.27
(1,1729)	1:50:A:LEU:HD11	1:51:A:PRO:HD2	19	0.27
(1,1729)	1:50:A:LEU:HD12	1:51:A:PRO:HD2	19	0.27
(1,1729)	1:50:A:LEU:HD13	1:51:A:PRO:HD2	19	0.27
(1,1642)	1:2:A:HIS:HB2	1:112:A:LEU:HA	2	0.27
(1,1530)	1:20:A:PHE:HB3	1:27:A:ALA:HB1	19	0.27
(1,1530)	1:20:A:PHE:HB3	1:27:A:ALA:HB2	19	0.27
(1,1530)	1:20:A:PHE:HB3	1:27:A:ALA:HB3	19	0.27
(1,1387)	1:15:A:VAL:HG21	1:97:A:VAL:HA	14	0.27
(1,1387)	1:15:A:VAL:HG22	1:97:A:VAL:HA	14	0.27
(1,1387)	1:15:A:VAL:HG23	1:97:A:VAL:HA	14	0.27
(1,1387)	1:15:A:VAL:HG21	1:97:A:VAL:HA	19	0.27
(1,1387)	1:15:A:VAL:HG22	1:97:A:VAL:HA	19	0.27
(1,1387)	1:15:A:VAL:HG23	1:97:A:VAL:HA	19	0.27
(1,1358)	1:63:A:SER:HA	1:76:A:GLU:HB2	13	0.27
(1,1165)	1:59:A:PHE:HB3	1:95:A:VAL:HG11	4	0.27
(1,1165)	1:59:A:PHE:HB3	1:95:A:VAL:HG12	4	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1165)	1:59:A:PHE:HB3	1:95:A:VAL:HG13	4	0.27
(1,1121)	1:24:A:VAL:H	1:24:A:VAL:HG11	1	0.27
(1,1121)	1:24:A:VAL:H	1:24:A:VAL:HG12	1	0.27
(1,1121)	1:24:A:VAL:H	1:24:A:VAL:HG13	1	0.27
(1,1057)	1:29:A:SER:HA	1:32:A:ARG:HB2	14	0.27
(1,1023)	1:15:A:VAL:HG21	1:16:A:LEU:H	2	0.27
(1,1023)	1:15:A:VAL:HG22	1:16:A:LEU:H	2	0.27
(1,1023)	1:15:A:VAL:HG23	1:16:A:LEU:H	2	0.27
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG11	17	0.27
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG12	17	0.27
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG13	17	0.27
(1,868)	1:36:A:LYS:H	1:36:A:LYS:HG2	6	0.27
(1,835)	1:42:A:LEU:HD21	1:60:A:ILE:HG12	8	0.27
(1,835)	1:42:A:LEU:HD22	1:60:A:ILE:HG12	8	0.27
(1,835)	1:42:A:LEU:HD23	1:60:A:ILE:HG12	8	0.27
(1,835)	1:42:A:LEU:HD21	1:60:A:ILE:HG12	19	0.27
(1,835)	1:42:A:LEU:HD22	1:60:A:ILE:HG12	19	0.27
(1,835)	1:42:A:LEU:HD23	1:60:A:ILE:HG12	19	0.27
(1,746)	1:60:A:ILE:HG12	1:61:A:LYS:H	5	0.27
(1,743)	1:50:A:LEU:HG	1:51:A:PRO:HD2	3	0.27
(1,668)	1:13:A:ARG:HG2	1:14:A:ASP:H	3	0.27
(1,641)	1:23:A:SER:HB2	1:25:A:GLU:H	4	0.27
(1,546)	1:4:A:GLN:HB2	1:5:A:LEU:H	14	0.27
(1,513)	1:30:A:GLU:HB2	1:33:A:GLU:H	11	0.27
(1,497)	1:7:A:LEU:HD11	1:40:A:CYS:HB3	13	0.27
(1,497)	1:7:A:LEU:HD12	1:40:A:CYS:HB3	13	0.27
(1,497)	1:7:A:LEU:HD13	1:40:A:CYS:HB3	13	0.27
(1,463)	1:51:A:PRO:HB3	1:52:A:GLN:H	8	0.27
(1,318)	1:33:A:GLU:HG3	1:37:A:ASN:HD21	20	0.27
(1,318)	1:33:A:GLU:HG3	1:37:A:ASN:HD22	20	0.27
(1,312)	1:30:A:GLU:HA	1:33:A:GLU:HG2	9	0.27
(1,312)	1:30:A:GLU:HA	1:33:A:GLU:HG2	19	0.27
(1,211)	1:43:A:VAL:HG11	1:44:A:GLU:HG2	9	0.27
(1,211)	1:43:A:VAL:HG12	1:44:A:GLU:HG2	9	0.27
(1,211)	1:43:A:VAL:HG13	1:44:A:GLU:HG2	9	0.27
(1,210)	1:42:A:LEU:HG	1:44:A:GLU:HG2	6	0.27
(1,204)	1:43:A:VAL:HA	1:44:A:GLU:HG2	11	0.27
(1,59)	1:3:A:VAL:HB	1:112:A:LEU:HB2	4	0.27
(1,59)	1:3:A:VAL:HB	1:112:A:LEU:HB2	13	0.27
(1,59)	1:3:A:VAL:HB	1:112:A:LEU:HB2	20	0.27
(1,56)	1:100:A:VAL:HG11	1:101:A:GLY:HA2	3	0.27
(1,56)	1:100:A:VAL:HG12	1:101:A:GLY:HA2	3	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,56)	1:100:A:VAL:HG13	1:101:A:GLY:HA2	3	0.27
(1,52)	1:42:A:LEU:HD21	1:94:A:GLY:HA2	13	0.27
(1,52)	1:42:A:LEU:HD22	1:94:A:GLY:HA2	13	0.27
(1,52)	1:42:A:LEU:HD23	1:94:A:GLY:HA2	13	0.27
(1,2416)	1:93:A:LEU:HB3	1:94:A:GLY:H	9	0.26
(1,2281)	1:41:A:GLY:H	1:99:A:HIS:HB3	9	0.26
(1,2281)	1:41:A:GLY:H	1:99:A:HIS:HB3	15	0.26
(1,2275)	1:37:A:ASN:H	1:37:A:ASN:HB3	2	0.26
(1,2275)	1:37:A:ASN:H	1:37:A:ASN:HB3	3	0.26
(1,2275)	1:37:A:ASN:H	1:37:A:ASN:HB3	5	0.26
(1,2275)	1:37:A:ASN:H	1:37:A:ASN:HB3	12	0.26
(1,2081)	1:55:A:GLN:H	1:55:A:GLN:HB3	3	0.26
(1,2081)	1:55:A:GLN:H	1:55:A:GLN:HB3	11	0.26
(1,2070)	1:8:A:PRO:HG3	1:42:A:LEU:H	11	0.26
(1,2070)	1:8:A:PRO:HG3	1:42:A:LEU:H	14	0.26
(1,2000)	1:20:A:PHE:HB2	1:30:A:GLU:H	6	0.26
(1,1961)	1:45:A:LEU:H	1:45:A:LEU:HB3	2	0.26
(1,1961)	1:45:A:LEU:H	1:45:A:LEU:HB3	8	0.26
(1,1961)	1:45:A:LEU:H	1:45:A:LEU:HB3	16	0.26
(1,1387)	1:15:A:VAL:HG21	1:97:A:VAL:HA	11	0.26
(1,1387)	1:15:A:VAL:HG22	1:97:A:VAL:HA	11	0.26
(1,1387)	1:15:A:VAL:HG23	1:97:A:VAL:HA	11	0.26
(1,1358)	1:63:A:SER:HA	1:76:A:GLU:HB2	1	0.26
(1,1276)	1:37:A:ASN:HD22	1:39:A:THR:HG21	4	0.26
(1,1276)	1:37:A:ASN:HD22	1:39:A:THR:HG22	4	0.26
(1,1276)	1:37:A:ASN:HD22	1:39:A:THR:HG23	4	0.26
(1,1276)	1:37:A:ASN:HD22	1:39:A:THR:HG21	9	0.26
(1,1276)	1:37:A:ASN:HD22	1:39:A:THR:HG22	9	0.26
(1,1276)	1:37:A:ASN:HD22	1:39:A:THR:HG23	9	0.26
(1,1276)	1:37:A:ASN:HD22	1:39:A:THR:HG21	20	0.26
(1,1276)	1:37:A:ASN:HD22	1:39:A:THR:HG22	20	0.26
(1,1276)	1:37:A:ASN:HD22	1:39:A:THR:HG23	20	0.26
(1,1259)	1:49:A:VAL:HG21	1:50:A:LEU:H	12	0.26
(1,1259)	1:49:A:VAL:HG22	1:50:A:LEU:H	12	0.26
(1,1259)	1:49:A:VAL:HG23	1:50:A:LEU:H	12	0.26
(1,1256)	1:25:A:GLU:HA	1:28:A:LEU:HD11	7	0.26
(1,1256)	1:25:A:GLU:HA	1:28:A:LEU:HD12	7	0.26
(1,1256)	1:25:A:GLU:HA	1:28:A:LEU:HD13	7	0.26
(1,1185)	1:2:A:HIS:HB2	1:74:A:VAL:HG21	4	0.26
(1,1185)	1:2:A:HIS:HB2	1:74:A:VAL:HG22	4	0.26
(1,1185)	1:2:A:HIS:HB2	1:74:A:VAL:HG23	4	0.26
(1,1163)	1:3:A:VAL:HA	1:4:A:GLN:HB3	17	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG11	4	0.26
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG12	4	0.26
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG13	4	0.26
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG11	12	0.26
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG12	12	0.26
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG13	12	0.26
(1,858)	1:40:A:CYS:HB3	1:98:A:PRO:HA	13	0.26
(1,837)	1:42:A:LEU:HD21	1:60:A:ILE:HD11	13	0.26
(1,837)	1:42:A:LEU:HD21	1:60:A:ILE:HD12	13	0.26
(1,837)	1:42:A:LEU:HD21	1:60:A:ILE:HD13	13	0.26
(1,837)	1:42:A:LEU:HD22	1:60:A:ILE:HD11	13	0.26
(1,837)	1:42:A:LEU:HD22	1:60:A:ILE:HD12	13	0.26
(1,837)	1:42:A:LEU:HD22	1:60:A:ILE:HD13	13	0.26
(1,837)	1:42:A:LEU:HD23	1:60:A:ILE:HD11	13	0.26
(1,837)	1:42:A:LEU:HD23	1:60:A:ILE:HD12	13	0.26
(1,837)	1:42:A:LEU:HD23	1:60:A:ILE:HD13	13	0.26
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD21	9	0.26
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD22	9	0.26
(1,833)	1:2:A:HIS:HB3	1:111:A:LEU:HD23	9	0.26
(1,777)	1:10:A:LEU:HD11	1:41:A:GLY:HA2	13	0.26
(1,777)	1:10:A:LEU:HD12	1:41:A:GLY:HA2	13	0.26
(1,777)	1:10:A:LEU:HD13	1:41:A:GLY:HA2	13	0.26
(1,763)	1:3:A:VAL:HG11	1:112:A:LEU:HD11	10	0.26
(1,763)	1:3:A:VAL:HG11	1:112:A:LEU:HD12	10	0.26
(1,763)	1:3:A:VAL:HG11	1:112:A:LEU:HD13	10	0.26
(1,763)	1:3:A:VAL:HG12	1:112:A:LEU:HD11	10	0.26
(1,763)	1:3:A:VAL:HG12	1:112:A:LEU:HD12	10	0.26
(1,763)	1:3:A:VAL:HG12	1:112:A:LEU:HD13	10	0.26
(1,763)	1:3:A:VAL:HG13	1:112:A:LEU:HD11	10	0.26
(1,763)	1:3:A:VAL:HG13	1:112:A:LEU:HD12	10	0.26
(1,763)	1:3:A:VAL:HG13	1:112:A:LEU:HD13	10	0.26
(1,763)	1:3:A:VAL:HG21	1:112:A:LEU:HD11	10	0.26
(1,763)	1:3:A:VAL:HG21	1:112:A:LEU:HD12	10	0.26
(1,763)	1:3:A:VAL:HG21	1:112:A:LEU:HD13	10	0.26
(1,763)	1:3:A:VAL:HG22	1:112:A:LEU:HD11	10	0.26
(1,763)	1:3:A:VAL:HG22	1:112:A:LEU:HD12	10	0.26
(1,763)	1:3:A:VAL:HG22	1:112:A:LEU:HD13	10	0.26
(1,763)	1:3:A:VAL:HG23	1:112:A:LEU:HD11	10	0.26
(1,763)	1:3:A:VAL:HG23	1:112:A:LEU:HD12	10	0.26
(1,763)	1:3:A:VAL:HG23	1:112:A:LEU:HD13	10	0.26
(1,743)	1:50:A:LEU:HG	1:51:A:PRO:HD2	6	0.26
(1,697)	1:74:A:VAL:HG11	1:111:A:LEU:HG	14	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,697)	1:74:A:VAL:HG12	1:111:A:LEU:HG	14	0.26
(1,697)	1:74:A:VAL:HG13	1:111:A:LEU:HG	14	0.26
(1,682)	1:8:A:PRO:HG3	1:104:A:PRO:HB3	13	0.26
(1,661)	1:23:A:SER:HB2	1:25:A:GLU:HB2	4	0.26
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG21	10	0.26
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG22	10	0.26
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG23	10	0.26
(1,565)	1:11:A:GLN:H	1:11:A:GLN:HB3	1	0.26
(1,565)	1:11:A:GLN:H	1:11:A:GLN:HB3	5	0.26
(1,557)	1:36:A:LYS:HB3	1:36:A:LYS:HD3	9	0.26
(1,513)	1:30:A:GLU:HB2	1:33:A:GLU:H	8	0.26
(1,477)	1:62:A:ARG:HB2	1:91:A:ILE:HA	5	0.26
(1,477)	1:62:A:ARG:HB2	1:91:A:ILE:HA	13	0.26
(1,463)	1:51:A:PRO:HB3	1:52:A:GLN:H	3	0.26
(1,374)	1:114:A:LYS:H	1:114:A:LYS:HB3	7	0.26
(1,318)	1:33:A:GLU:HG3	1:37:A:ASN:HD21	4	0.26
(1,318)	1:33:A:GLU:HG3	1:37:A:ASN:HD22	4	0.26
(1,312)	1:30:A:GLU:HA	1:33:A:GLU:HG2	5	0.26
(1,312)	1:30:A:GLU:HA	1:33:A:GLU:HG2	12	0.26
(1,312)	1:30:A:GLU:HA	1:33:A:GLU:HG2	15	0.26
(1,277)	1:18:A:ARG:HD3	1:54:A:GLU:HG2	12	0.26
(1,255)	1:20:A:PHE:HB2	1:30:A:GLU:HG2	5	0.26
(1,255)	1:20:A:PHE:HB2	1:30:A:GLU:HG2	19	0.26
(1,238)	1:24:A:VAL:HG21	1:25:A:GLU:HG3	19	0.26
(1,238)	1:24:A:VAL:HG22	1:25:A:GLU:HG3	19	0.26
(1,238)	1:24:A:VAL:HG23	1:25:A:GLU:HG3	19	0.26
(1,210)	1:42:A:LEU:HG	1:44:A:GLU:HG2	3	0.26
(1,204)	1:43:A:VAL:HA	1:44:A:GLU:HG2	1	0.26
(1,202)	1:44:A:GLU:H	1:44:A:GLU:HG2	19	0.26
(1,131)	1:108:A:ARG:H	1:108:A:ARG:HD2	8	0.26
(1,103)	1:18:A:ARG:HD2	1:53:A:LEU:HD11	5	0.26
(1,103)	1:18:A:ARG:HD2	1:53:A:LEU:HD12	5	0.26
(1,103)	1:18:A:ARG:HD2	1:53:A:LEU:HD13	5	0.26
(1,88)	1:32:A:ARG:H	1:32:A:ARG:HD3	8	0.26
(1,20)	1:80:A:GLU:HB2	1:83:A:GLY:HA3	7	0.26
(1,2416)	1:93:A:LEU:HB3	1:94:A:GLY:H	16	0.25
(1,2347)	1:23:A:SER:H	1:23:A:SER:HB3	10	0.25
(1,2305)	1:52:A:GLN:H	1:53:A:LEU:HB3	2	0.25
(1,2282)	1:8:A:PRO:HG3	1:41:A:GLY:H	2	0.25
(1,2282)	1:8:A:PRO:HG3	1:41:A:GLY:H	20	0.25
(1,2275)	1:37:A:ASN:H	1:37:A:ASN:HB3	11	0.25
(1,2275)	1:37:A:ASN:H	1:37:A:ASN:HB3	15	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2275)	1:37:A:ASN:H	1:37:A:ASN:HB3	20	0.25
(1,2097)	1:3:A:VAL:H	1:112:A:LEU:HB2	5	0.25
(1,1995)	1:10:A:LEU:HB2	1:11:A:GLN:H	17	0.25
(1,1961)	1:45:A:LEU:H	1:45:A:LEU:HB3	7	0.25
(1,1898)	1:102:A:GLU:HB3	1:103:A:THR:H	7	0.25
(1,1729)	1:50:A:LEU:HD11	1:51:A:PRO:HD2	18	0.25
(1,1729)	1:50:A:LEU:HD12	1:51:A:PRO:HD2	18	0.25
(1,1729)	1:50:A:LEU:HD13	1:51:A:PRO:HD2	18	0.25
(1,1537)	1:59:A:PHE:HA	1:60:A:ILE:HG13	7	0.25
(1,1344)	1:102:A:GLU:HA	1:102:A:GLU:HG3	4	0.25
(1,1344)	1:102:A:GLU:HA	1:102:A:GLU:HG3	11	0.25
(1,1325)	1:36:A:LYS:HA	1:36:A:LYS:HD3	15	0.25
(1,1312)	1:17:A:VAL:H	1:17:A:VAL:HG21	11	0.25
(1,1312)	1:17:A:VAL:H	1:17:A:VAL:HG22	11	0.25
(1,1312)	1:17:A:VAL:H	1:17:A:VAL:HG23	11	0.25
(1,1185)	1:2:A:HIS:HB2	1:74:A:VAL:HG21	6	0.25
(1,1185)	1:2:A:HIS:HB2	1:74:A:VAL:HG22	6	0.25
(1,1185)	1:2:A:HIS:HB2	1:74:A:VAL:HG23	6	0.25
(1,1065)	1:18:A:ARG:HG2	1:53:A:LEU:HD11	18	0.25
(1,1065)	1:18:A:ARG:HG2	1:53:A:LEU:HD12	18	0.25
(1,1065)	1:18:A:ARG:HG2	1:53:A:LEU:HD13	18	0.25
(1,995)	1:15:A:VAL:HG21	1:18:A:ARG:HG3	18	0.25
(1,995)	1:15:A:VAL:HG22	1:18:A:ARG:HG3	18	0.25
(1,995)	1:15:A:VAL:HG23	1:18:A:ARG:HG3	18	0.25
(1,990)	1:15:A:VAL:HG21	1:97:A:VAL:H	12	0.25
(1,990)	1:15:A:VAL:HG22	1:97:A:VAL:H	12	0.25
(1,990)	1:15:A:VAL:HG23	1:97:A:VAL:H	12	0.25
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG11	12	0.25
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG12	12	0.25
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG13	12	0.25
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD11	9	0.25
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD12	9	0.25
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD13	9	0.25
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD11	10	0.25
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD12	10	0.25
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD13	10	0.25
(1,799)	1:50:A:LEU:HD11	1:83:A:GLY:HA2	16	0.25
(1,799)	1:50:A:LEU:HD12	1:83:A:GLY:HA2	16	0.25
(1,799)	1:50:A:LEU:HD13	1:83:A:GLY:HA2	16	0.25
(1,746)	1:60:A:ILE:HG12	1:61:A:LYS:H	13	0.25
(1,743)	1:50:A:LEU:HG	1:51:A:PRO:HD2	5	0.25
(1,576)	1:11:A:GLN:HB3	1:14:A:ASP:HA	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,565)	1:11:A:GLN:H	1:11:A:GLN:HB3	12	0.25
(1,565)	1:11:A:GLN:H	1:11:A:GLN:HB3	13	0.25
(1,497)	1:7:A:LEU:HD11	1:40:A:CYS:HB3	15	0.25
(1,497)	1:7:A:LEU:HD12	1:40:A:CYS:HB3	15	0.25
(1,497)	1:7:A:LEU:HD13	1:40:A:CYS:HB3	15	0.25
(1,428)	1:63:A:SER:HB3	1:74:A:VAL:HB	10	0.25
(1,312)	1:30:A:GLU:HA	1:33:A:GLU:HG2	7	0.25
(1,312)	1:30:A:GLU:HA	1:33:A:GLU:HG2	17	0.25
(1,298)	1:26:A:GLU:HB2	1:56:A:PRO:HB3	3	0.25
(1,298)	1:26:A:GLU:HB2	1:56:A:PRO:HB3	16	0.25
(1,223)	1:100:A:VAL:HG11	1:102:A:GLU:HG2	2	0.25
(1,223)	1:100:A:VAL:HG12	1:102:A:GLU:HG2	2	0.25
(1,223)	1:100:A:VAL:HG13	1:102:A:GLU:HG2	2	0.25
(1,173)	1:45:A:LEU:HB3	1:94:A:GLY:HA2	4	0.25
(1,132)	1:108:A:ARG:HA	1:108:A:ARG:HD2	4	0.25
(1,103)	1:18:A:ARG:HD2	1:53:A:LEU:HD11	3	0.25
(1,103)	1:18:A:ARG:HD2	1:53:A:LEU:HD12	3	0.25
(1,103)	1:18:A:ARG:HD2	1:53:A:LEU:HD13	3	0.25
(1,103)	1:18:A:ARG:HD2	1:53:A:LEU:HD11	6	0.25
(1,103)	1:18:A:ARG:HD2	1:53:A:LEU:HD12	6	0.25
(1,103)	1:18:A:ARG:HD2	1:53:A:LEU:HD13	6	0.25
(1,103)	1:18:A:ARG:HD2	1:53:A:LEU:HD11	11	0.25
(1,103)	1:18:A:ARG:HD2	1:53:A:LEU:HD12	11	0.25
(1,103)	1:18:A:ARG:HD2	1:53:A:LEU:HD13	11	0.25
(1,7)	1:20:A:PHE:HZ	1:98:A:PRO:HD2	7	0.25
(1,2426)	1:21:A:GLY:H	1:30:A:GLU:HB3	15	0.24
(1,2325)	1:48:A:GLY:HA2	1:52:A:GLN:HE22	19	0.24
(1,2282)	1:8:A:PRO:HG3	1:41:A:GLY:H	10	0.24
(1,2267)	1:32:A:ARG:H	1:32:A:ARG:HB2	2	0.24
(1,2212)	1:11:A:GLN:HG2	1:14:A:ASP:H	7	0.24
(1,1961)	1:45:A:LEU:H	1:45:A:LEU:HB3	1	0.24
(1,1370)	1:12:A:VAL:HG11	1:13:A:ARG:HB2	1	0.24
(1,1370)	1:12:A:VAL:HG12	1:13:A:ARG:HB2	1	0.24
(1,1370)	1:12:A:VAL:HG13	1:13:A:ARG:HB2	1	0.24
(1,1349)	1:62:A:ARG:HG3	1:75:A:VAL:HA	5	0.24
(1,1325)	1:36:A:LYS:HA	1:36:A:LYS:HD3	20	0.24
(1,1307)	1:3:A:VAL:HG11	1:112:A:LEU:HB3	17	0.24
(1,1307)	1:3:A:VAL:HG12	1:112:A:LEU:HB3	17	0.24
(1,1307)	1:3:A:VAL:HG13	1:112:A:LEU:HB3	17	0.24
(1,1307)	1:3:A:VAL:HG21	1:112:A:LEU:HB3	17	0.24
(1,1307)	1:3:A:VAL:HG22	1:112:A:LEU:HB3	17	0.24
(1,1307)	1:3:A:VAL:HG23	1:112:A:LEU:HB3	17	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG11	18	0.24
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG12	18	0.24
(1,1220)	1:108:A:ARG:HB2	1:110:A:VAL:HG13	18	0.24
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD21	16	0.24
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD22	16	0.24
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD23	16	0.24
(1,1151)	1:10:A:LEU:HD21	1:41:A:GLY:HA2	6	0.24
(1,1151)	1:10:A:LEU:HD22	1:41:A:GLY:HA2	6	0.24
(1,1151)	1:10:A:LEU:HD23	1:41:A:GLY:HA2	6	0.24
(1,1140)	1:24:A:VAL:HG11	1:81:A:MET:HA	9	0.24
(1,1140)	1:24:A:VAL:HG12	1:81:A:MET:HA	9	0.24
(1,1140)	1:24:A:VAL:HG13	1:81:A:MET:HA	9	0.24
(1,1116)	1:50:A:LEU:HD21	1:95:A:VAL:HG21	4	0.24
(1,1116)	1:50:A:LEU:HD21	1:95:A:VAL:HG22	4	0.24
(1,1116)	1:50:A:LEU:HD21	1:95:A:VAL:HG23	4	0.24
(1,1116)	1:50:A:LEU:HD22	1:95:A:VAL:HG21	4	0.24
(1,1116)	1:50:A:LEU:HD22	1:95:A:VAL:HG22	4	0.24
(1,1116)	1:50:A:LEU:HD22	1:95:A:VAL:HG23	4	0.24
(1,1116)	1:50:A:LEU:HD23	1:95:A:VAL:HG21	4	0.24
(1,1116)	1:50:A:LEU:HD23	1:95:A:VAL:HG22	4	0.24
(1,1116)	1:50:A:LEU:HD23	1:95:A:VAL:HG23	4	0.24
(1,994)	1:15:A:VAL:HG21	1:97:A:VAL:HB	5	0.24
(1,994)	1:15:A:VAL:HG22	1:97:A:VAL:HB	5	0.24
(1,994)	1:15:A:VAL:HG23	1:97:A:VAL:HB	5	0.24
(1,868)	1:36:A:LYS:H	1:36:A:LYS:HG2	19	0.24
(1,858)	1:40:A:CYS:HB3	1:98:A:PRO:HA	15	0.24
(1,743)	1:50:A:LEU:HG	1:51:A:PRO:HD2	7	0.24
(1,743)	1:50:A:LEU:HG	1:51:A:PRO:HD2	9	0.24
(1,576)	1:11:A:GLN:HB3	1:14:A:ASP:HA	9	0.24
(1,565)	1:11:A:GLN:H	1:11:A:GLN:HB3	4	0.24
(1,557)	1:36:A:LYS:HB3	1:36:A:LYS:HD3	4	0.24
(1,513)	1:30:A:GLU:HB2	1:33:A:GLU:H	17	0.24
(1,466)	1:72:A:HIS:HB2	1:73:A:LYS:HG2	19	0.24
(1,466)	1:72:A:HIS:HB3	1:73:A:LYS:HG2	19	0.24
(1,463)	1:51:A:PRO:HB3	1:52:A:GLN:H	9	0.24
(1,463)	1:51:A:PRO:HB3	1:52:A:GLN:H	16	0.24
(1,332)	1:11:A:GLN:HG3	1:13:A:ARG:H	11	0.24
(1,298)	1:26:A:GLU:HB2	1:56:A:PRO:HB3	10	0.24
(1,238)	1:24:A:VAL:HG21	1:25:A:GLU:HG3	9	0.24
(1,238)	1:24:A:VAL:HG22	1:25:A:GLU:HG3	9	0.24
(1,238)	1:24:A:VAL:HG23	1:25:A:GLU:HG3	9	0.24
(1,211)	1:43:A:VAL:HG11	1:44:A:GLU:HG2	13	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,211)	1:43:A:VAL:HG12	1:44:A:GLU:HG2	13	0.24
(1,211)	1:43:A:VAL:HG13	1:44:A:GLU:HG2	13	0.24
(1,139)	1:63:A:SER:HB2	1:66:A:LEU:HB2	9	0.24
(1,132)	1:108:A:ARG:HA	1:108:A:ARG:HD2	19	0.24
(1,113)	1:18:A:ARG:H	1:18:A:ARG:HD3	13	0.24
(1,112)	1:15:A:VAL:HG21	1:18:A:ARG:HD2	2	0.24
(1,112)	1:15:A:VAL:HG22	1:18:A:ARG:HD2	2	0.24
(1,112)	1:15:A:VAL:HG23	1:18:A:ARG:HD2	2	0.24
(1,103)	1:18:A:ARG:HD2	1:53:A:LEU:HD11	7	0.24
(1,103)	1:18:A:ARG:HD2	1:53:A:LEU:HD12	7	0.24
(1,103)	1:18:A:ARG:HD2	1:53:A:LEU:HD13	7	0.24
(1,103)	1:18:A:ARG:HD2	1:53:A:LEU:HD11	9	0.24
(1,103)	1:18:A:ARG:HD2	1:53:A:LEU:HD12	9	0.24
(1,103)	1:18:A:ARG:HD2	1:53:A:LEU:HD13	9	0.24
(1,59)	1:3:A:VAL:HB	1:112:A:LEU:HB2	8	0.24
(1,2)	1:17:A:VAL:HG11	1:98:A:PRO:HD3	15	0.24
(1,2)	1:17:A:VAL:HG12	1:98:A:PRO:HD3	15	0.24
(1,2)	1:17:A:VAL:HG13	1:98:A:PRO:HD3	15	0.24
(1,2)	1:17:A:VAL:HG21	1:98:A:PRO:HD3	15	0.24
(1,2)	1:17:A:VAL:HG22	1:98:A:PRO:HD3	15	0.24
(1,2)	1:17:A:VAL:HG23	1:98:A:PRO:HD3	15	0.24
(1,2463)	1:20:A:PHE:HD1	1:58:A:VAL:HG11	18	0.23
(1,2463)	1:20:A:PHE:HD1	1:58:A:VAL:HG12	18	0.23
(1,2463)	1:20:A:PHE:HD1	1:58:A:VAL:HG13	18	0.23
(1,2463)	1:20:A:PHE:HD2	1:58:A:VAL:HG11	18	0.23
(1,2463)	1:20:A:PHE:HD2	1:58:A:VAL:HG12	18	0.23
(1,2463)	1:20:A:PHE:HD2	1:58:A:VAL:HG13	18	0.23
(1,2450)	1:59:A:PHE:HD1	1:86:A:TYR:HB3	18	0.23
(1,2450)	1:59:A:PHE:HD2	1:86:A:TYR:HB3	18	0.23
(1,2275)	1:37:A:ASN:H	1:37:A:ASN:HB3	18	0.23
(1,2081)	1:55:A:GLN:H	1:55:A:GLN:HB3	14	0.23
(1,2000)	1:20:A:PHE:HB2	1:30:A:GLU:H	17	0.23
(1,1962)	1:42:A:LEU:HD11	1:45:A:LEU:H	17	0.23
(1,1962)	1:42:A:LEU:HD12	1:45:A:LEU:H	17	0.23
(1,1962)	1:42:A:LEU:HD13	1:45:A:LEU:H	17	0.23
(1,1961)	1:45:A:LEU:H	1:45:A:LEU:HB3	15	0.23
(1,1898)	1:102:A:GLU:HB3	1:103:A:THR:H	1	0.23
(1,1824)	1:10:A:LEU:H	1:42:A:LEU:HB2	18	0.23
(1,1790)	1:12:A:VAL:H	1:49:A:VAL:HG11	5	0.23
(1,1790)	1:12:A:VAL:H	1:49:A:VAL:HG12	5	0.23
(1,1790)	1:12:A:VAL:H	1:49:A:VAL:HG13	5	0.23
(1,1790)	1:12:A:VAL:H	1:49:A:VAL:HG11	11	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1790)	1:12:A:VAL:H	1:49:A:VAL:HG12	11	0.23
(1,1790)	1:12:A:VAL:H	1:49:A:VAL:HG13	11	0.23
(1,1782)	1:5:A:LEU:H	1:112:A:LEU:HB3	12	0.23
(1,1739)	1:50:A:LEU:HB3	1:51:A:PRO:HD2	8	0.23
(1,1456)	1:20:A:PHE:HB3	1:31:A:ALA:HB1	13	0.23
(1,1456)	1:20:A:PHE:HB3	1:31:A:ALA:HB2	13	0.23
(1,1456)	1:20:A:PHE:HB3	1:31:A:ALA:HB3	13	0.23
(1,1370)	1:12:A:VAL:HG11	1:13:A:ARG:HB2	11	0.23
(1,1370)	1:12:A:VAL:HG12	1:13:A:ARG:HB2	11	0.23
(1,1370)	1:12:A:VAL:HG13	1:13:A:ARG:HB2	11	0.23
(1,1312)	1:17:A:VAL:H	1:17:A:VAL:HG21	19	0.23
(1,1312)	1:17:A:VAL:H	1:17:A:VAL:HG22	19	0.23
(1,1312)	1:17:A:VAL:H	1:17:A:VAL:HG23	19	0.23
(1,1279)	1:24:A:VAL:HG21	1:79:A:ALA:H	15	0.23
(1,1279)	1:24:A:VAL:HG22	1:79:A:ALA:H	15	0.23
(1,1279)	1:24:A:VAL:HG23	1:79:A:ALA:H	15	0.23
(1,1259)	1:49:A:VAL:HG21	1:50:A:LEU:H	5	0.23
(1,1259)	1:49:A:VAL:HG22	1:50:A:LEU:H	5	0.23
(1,1259)	1:49:A:VAL:HG23	1:50:A:LEU:H	5	0.23
(1,1259)	1:49:A:VAL:HG21	1:50:A:LEU:H	7	0.23
(1,1259)	1:49:A:VAL:HG22	1:50:A:LEU:H	7	0.23
(1,1259)	1:49:A:VAL:HG23	1:50:A:LEU:H	7	0.23
(1,1155)	1:9:A:VAL:HA	1:42:A:LEU:HB2	7	0.23
(1,1151)	1:10:A:LEU:HD21	1:41:A:GLY:HA2	19	0.23
(1,1151)	1:10:A:LEU:HD22	1:41:A:GLY:HA2	19	0.23
(1,1151)	1:10:A:LEU:HD23	1:41:A:GLY:HA2	19	0.23
(1,1065)	1:18:A:ARG:HG2	1:53:A:LEU:HD11	17	0.23
(1,1065)	1:18:A:ARG:HG2	1:53:A:LEU:HD12	17	0.23
(1,1065)	1:18:A:ARG:HG2	1:53:A:LEU:HD13	17	0.23
(1,903)	1:74:A:VAL:HG11	1:111:A:LEU:HD11	10	0.23
(1,903)	1:74:A:VAL:HG11	1:111:A:LEU:HD12	10	0.23
(1,903)	1:74:A:VAL:HG11	1:111:A:LEU:HD13	10	0.23
(1,903)	1:74:A:VAL:HG12	1:111:A:LEU:HD11	10	0.23
(1,903)	1:74:A:VAL:HG12	1:111:A:LEU:HD12	10	0.23
(1,903)	1:74:A:VAL:HG12	1:111:A:LEU:HD13	10	0.23
(1,903)	1:74:A:VAL:HG13	1:111:A:LEU:HD11	10	0.23
(1,903)	1:74:A:VAL:HG13	1:111:A:LEU:HD12	10	0.23
(1,903)	1:74:A:VAL:HG13	1:111:A:LEU:HD13	10	0.23
(1,890)	1:7:A:LEU:HD11	1:8:A:PRO:HD2	11	0.23
(1,890)	1:7:A:LEU:HD12	1:8:A:PRO:HD2	11	0.23
(1,890)	1:7:A:LEU:HD13	1:8:A:PRO:HD2	11	0.23
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD11	16	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD12	16	0.23
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD13	16	0.23
(1,848)	1:42:A:LEU:HD21	1:94:A:GLY:HA3	5	0.23
(1,848)	1:42:A:LEU:HD22	1:94:A:GLY:HA3	5	0.23
(1,848)	1:42:A:LEU:HD23	1:94:A:GLY:HA3	5	0.23
(1,743)	1:50:A:LEU:HG	1:51:A:PRO:HD2	1	0.23
(1,743)	1:50:A:LEU:HG	1:51:A:PRO:HD2	20	0.23
(1,707)	1:42:A:LEU:HD11	1:108:A:ARG:HG2	11	0.23
(1,707)	1:42:A:LEU:HD12	1:108:A:ARG:HG2	11	0.23
(1,707)	1:42:A:LEU:HD13	1:108:A:ARG:HG2	11	0.23
(1,609)	1:8:A:PRO:HB2	1:104:A:PRO:HG2	8	0.23
(1,567)	1:11:A:GLN:HB3	1:15:A:VAL:H	12	0.23
(1,546)	1:4:A:GLN:HB2	1:5:A:LEU:H	1	0.23
(1,513)	1:30:A:GLU:HB2	1:33:A:GLU:H	7	0.23
(1,497)	1:7:A:LEU:HD11	1:40:A:CYS:HB3	20	0.23
(1,497)	1:7:A:LEU:HD12	1:40:A:CYS:HB3	20	0.23
(1,497)	1:7:A:LEU:HD13	1:40:A:CYS:HB3	20	0.23
(1,493)	1:35:A:LEU:HA	1:40:A:CYS:HB2	10	0.23
(1,493)	1:35:A:LEU:HA	1:40:A:CYS:HB2	12	0.23
(1,490)	1:112:A:LEU:HD21	1:113:A:ARG:HB3	17	0.23
(1,490)	1:112:A:LEU:HD22	1:113:A:ARG:HB3	17	0.23
(1,490)	1:112:A:LEU:HD23	1:113:A:ARG:HB3	17	0.23
(1,408)	1:8:A:PRO:HB3	1:104:A:PRO:HB2	10	0.23
(1,366)	1:55:A:GLN:HG3	1:57:A:TYR:HE1	3	0.23
(1,366)	1:55:A:GLN:HG3	1:57:A:TYR:HE2	3	0.23
(1,312)	1:30:A:GLU:HA	1:33:A:GLU:HG2	4	0.23
(1,312)	1:30:A:GLU:HA	1:33:A:GLU:HG2	20	0.23
(1,297)	1:56:A:PRO:HB3	1:80:A:GLU:H	3	0.23
(1,238)	1:24:A:VAL:HG21	1:25:A:GLU:HG3	3	0.23
(1,238)	1:24:A:VAL:HG22	1:25:A:GLU:HG3	3	0.23
(1,238)	1:24:A:VAL:HG23	1:25:A:GLU:HG3	3	0.23
(1,211)	1:43:A:VAL:HG11	1:44:A:GLU:HG2	14	0.23
(1,211)	1:43:A:VAL:HG12	1:44:A:GLU:HG2	14	0.23
(1,211)	1:43:A:VAL:HG13	1:44:A:GLU:HG2	14	0.23
(1,211)	1:43:A:VAL:HG11	1:44:A:GLU:HG2	16	0.23
(1,211)	1:43:A:VAL:HG12	1:44:A:GLU:HG2	16	0.23
(1,211)	1:43:A:VAL:HG13	1:44:A:GLU:HG2	16	0.23
(1,211)	1:43:A:VAL:HG11	1:44:A:GLU:HG2	19	0.23
(1,211)	1:43:A:VAL:HG12	1:44:A:GLU:HG2	19	0.23
(1,211)	1:43:A:VAL:HG13	1:44:A:GLU:HG2	19	0.23
(1,204)	1:43:A:VAL:HA	1:44:A:GLU:HG2	12	0.23
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD21	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD22	8	0.23
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD23	8	0.23
(1,2509)	1:2:A:HIS:HD2	1:74:A:VAL:HG21	1	0.22
(1,2509)	1:2:A:HIS:HD2	1:74:A:VAL:HG22	1	0.22
(1,2509)	1:2:A:HIS:HD2	1:74:A:VAL:HG23	1	0.22
(1,2347)	1:23:A:SER:H	1:23:A:SER:HB3	11	0.22
(1,2281)	1:41:A:GLY:H	1:99:A:HIS:HB3	6	0.22
(1,2281)	1:41:A:GLY:H	1:99:A:HIS:HB3	16	0.22
(1,2275)	1:37:A:ASN:H	1:37:A:ASN:HB3	6	0.22
(1,2275)	1:37:A:ASN:H	1:37:A:ASN:HB3	9	0.22
(1,2275)	1:37:A:ASN:H	1:37:A:ASN:HB3	13	0.22
(1,2275)	1:37:A:ASN:H	1:37:A:ASN:HB3	14	0.22
(1,2275)	1:37:A:ASN:H	1:37:A:ASN:HB3	16	0.22
(1,2113)	1:66:A:LEU:H	1:66:A:LEU:HB2	13	0.22
(1,1995)	1:10:A:LEU:HB2	1:11:A:GLN:H	5	0.22
(1,1961)	1:45:A:LEU:H	1:45:A:LEU:HB3	9	0.22
(1,1942)	1:7:A:LEU:HD11	1:40:A:CYS:H	9	0.22
(1,1942)	1:7:A:LEU:HD12	1:40:A:CYS:H	9	0.22
(1,1942)	1:7:A:LEU:HD13	1:40:A:CYS:H	9	0.22
(1,1623)	1:55:A:GLN:HE22	1:82:A:ASP:HA	17	0.22
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG11	17	0.22
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG12	17	0.22
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG13	17	0.22
(1,1530)	1:20:A:PHE:HB3	1:27:A:ALA:HB1	15	0.22
(1,1530)	1:20:A:PHE:HB3	1:27:A:ALA:HB2	15	0.22
(1,1530)	1:20:A:PHE:HB3	1:27:A:ALA:HB3	15	0.22
(1,1344)	1:102:A:GLU:HA	1:102:A:GLU:HG3	5	0.22
(1,1344)	1:102:A:GLU:HA	1:102:A:GLU:HG3	6	0.22
(1,1315)	1:16:A:LEU:HB2	1:17:A:VAL:HG21	17	0.22
(1,1315)	1:16:A:LEU:HB2	1:17:A:VAL:HG22	17	0.22
(1,1315)	1:16:A:LEU:HB2	1:17:A:VAL:HG23	17	0.22
(1,1315)	1:16:A:LEU:HB3	1:17:A:VAL:HG21	17	0.22
(1,1315)	1:16:A:LEU:HB3	1:17:A:VAL:HG22	17	0.22
(1,1315)	1:16:A:LEU:HB3	1:17:A:VAL:HG23	17	0.22
(1,1287)	1:34:A:HIS:HA	1:37:A:ASN:HB3	9	0.22
(1,1023)	1:15:A:VAL:HG21	1:16:A:LEU:H	10	0.22
(1,1023)	1:15:A:VAL:HG22	1:16:A:LEU:H	10	0.22
(1,1023)	1:15:A:VAL:HG23	1:16:A:LEU:H	10	0.22
(1,990)	1:15:A:VAL:HG21	1:97:A:VAL:H	14	0.22
(1,990)	1:15:A:VAL:HG22	1:97:A:VAL:H	14	0.22
(1,990)	1:15:A:VAL:HG23	1:97:A:VAL:H	14	0.22
(1,887)	1:93:A:LEU:HA	1:93:A:LEU:HD21	1	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,887)	1:93:A:LEU:HA	1:93:A:LEU:HD22	1	0.22
(1,887)	1:93:A:LEU:HA	1:93:A:LEU:HD23	1	0.22
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD21	14	0.22
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD22	14	0.22
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD23	14	0.22
(1,803)	1:63:A:SER:HB2	1:74:A:VAL:HG21	10	0.22
(1,803)	1:63:A:SER:HB2	1:74:A:VAL:HG22	10	0.22
(1,803)	1:63:A:SER:HB2	1:74:A:VAL:HG23	10	0.22
(1,777)	1:10:A:LEU:HD11	1:41:A:GLY:HA2	12	0.22
(1,777)	1:10:A:LEU:HD12	1:41:A:GLY:HA2	12	0.22
(1,777)	1:10:A:LEU:HD13	1:41:A:GLY:HA2	12	0.22
(1,742)	1:42:A:LEU:HD21	1:60:A:ILE:HG13	1	0.22
(1,742)	1:42:A:LEU:HD22	1:60:A:ILE:HG13	1	0.22
(1,742)	1:42:A:LEU:HD23	1:60:A:ILE:HG13	1	0.22
(1,729)	1:50:A:LEU:HA	1:53:A:LEU:HD21	16	0.22
(1,729)	1:50:A:LEU:HA	1:53:A:LEU:HD22	16	0.22
(1,729)	1:50:A:LEU:HA	1:53:A:LEU:HD23	16	0.22
(1,682)	1:8:A:PRO:HG3	1:104:A:PRO:HB3	6	0.22
(1,661)	1:23:A:SER:HB2	1:25:A:GLU:HB2	2	0.22
(1,638)	1:89:A:SER:HB2	1:91:A:ILE:HG12	17	0.22
(1,565)	1:11:A:GLN:H	1:11:A:GLN:HB3	6	0.22
(1,565)	1:11:A:GLN:H	1:11:A:GLN:HB3	8	0.22
(1,565)	1:11:A:GLN:H	1:11:A:GLN:HB3	18	0.22
(1,557)	1:36:A:LYS:HB3	1:36:A:LYS:HD3	10	0.22
(1,557)	1:36:A:LYS:HB3	1:36:A:LYS:HD3	12	0.22
(1,513)	1:30:A:GLU:HB2	1:33:A:GLU:H	13	0.22
(1,513)	1:30:A:GLU:HB2	1:33:A:GLU:H	14	0.22
(1,466)	1:72:A:HIS:HB2	1:73:A:LYS:HG2	15	0.22
(1,466)	1:72:A:HIS:HB3	1:73:A:LYS:HG2	15	0.22
(1,463)	1:51:A:PRO:HB3	1:52:A:GLN:H	15	0.22
(1,463)	1:51:A:PRO:HB3	1:52:A:GLN:H	20	0.22
(1,435)	1:42:A:LEU:HD11	1:108:A:ARG:HB2	5	0.22
(1,435)	1:42:A:LEU:HD12	1:108:A:ARG:HB2	5	0.22
(1,435)	1:42:A:LEU:HD13	1:108:A:ARG:HB2	5	0.22
(1,408)	1:8:A:PRO:HB3	1:104:A:PRO:HB2	3	0.22
(1,365)	1:55:A:GLN:H	1:55:A:GLN:HG3	20	0.22
(1,298)	1:26:A:GLU:HB2	1:56:A:PRO:HB3	13	0.22
(1,298)	1:26:A:GLU:HB2	1:56:A:PRO:HB3	14	0.22
(1,255)	1:20:A:PHE:HB2	1:30:A:GLU:HG2	17	0.22
(1,204)	1:43:A:VAL:HA	1:44:A:GLU:HG2	2	0.22
(1,71)	1:8:A:PRO:HG3	1:41:A:GLY:HA3	5	0.22
(1,52)	1:42:A:LEU:HD21	1:94:A:GLY:HA2	19	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,52)	1:42:A:LEU:HD22	1:94:A:GLY:HA2	19	0.22
(1,52)	1:42:A:LEU:HD23	1:94:A:GLY:HA2	19	0.22
(1,2419)	1:42:A:LEU:HD21	1:94:A:GLY:H	14	0.21
(1,2419)	1:42:A:LEU:HD22	1:94:A:GLY:H	14	0.21
(1,2419)	1:42:A:LEU:HD23	1:94:A:GLY:H	14	0.21
(1,2416)	1:93:A:LEU:HB3	1:94:A:GLY:H	18	0.21
(1,2361)	1:4:A:GLN:HE21	1:109:A:ASN:HD22	15	0.21
(1,2352)	1:4:A:GLN:HE22	1:111:A:LEU:HD11	13	0.21
(1,2352)	1:4:A:GLN:HE22	1:111:A:LEU:HD12	13	0.21
(1,2352)	1:4:A:GLN:HE22	1:111:A:LEU:HD13	13	0.21
(1,2351)	1:4:A:GLN:HE22	1:5:A:LEU:H	6	0.21
(1,2351)	1:4:A:GLN:HE22	1:5:A:LEU:H	13	0.21
(1,2347)	1:23:A:SER:H	1:23:A:SER:HB3	12	0.21
(1,2281)	1:41:A:GLY:H	1:99:A:HIS:HB3	13	0.21
(1,2275)	1:37:A:ASN:H	1:37:A:ASN:HB3	10	0.21
(1,2113)	1:66:A:LEU:H	1:66:A:LEU:HB2	15	0.21
(1,2081)	1:55:A:GLN:H	1:55:A:GLN:HB3	15	0.21
(1,1962)	1:42:A:LEU:HD11	1:45:A:LEU:H	12	0.21
(1,1962)	1:42:A:LEU:HD12	1:45:A:LEU:H	12	0.21
(1,1962)	1:42:A:LEU:HD13	1:45:A:LEU:H	12	0.21
(1,1860)	1:61:A:LYS:H	1:76:A:GLU:HB2	5	0.21
(1,1813)	1:2:A:HIS:HB2	1:114:A:LYS:H	4	0.21
(1,1790)	1:12:A:VAL:H	1:49:A:VAL:HG11	13	0.21
(1,1790)	1:12:A:VAL:H	1:49:A:VAL:HG12	13	0.21
(1,1790)	1:12:A:VAL:H	1:49:A:VAL:HG13	13	0.21
(1,1537)	1:59:A:PHE:HA	1:60:A:ILE:HG13	4	0.21
(1,1537)	1:59:A:PHE:HA	1:60:A:ILE:HG13	15	0.21
(1,1477)	1:17:A:VAL:HG11	1:18:A:ARG:HA	17	0.21
(1,1477)	1:17:A:VAL:HG12	1:18:A:ARG:HA	17	0.21
(1,1477)	1:17:A:VAL:HG13	1:18:A:ARG:HA	17	0.21
(1,1387)	1:15:A:VAL:HG21	1:97:A:VAL:HA	15	0.21
(1,1387)	1:15:A:VAL:HG22	1:97:A:VAL:HA	15	0.21
(1,1387)	1:15:A:VAL:HG23	1:97:A:VAL:HA	15	0.21
(1,1358)	1:63:A:SER:HA	1:76:A:GLU:HB2	18	0.21
(1,1276)	1:37:A:ASN:HD22	1:39:A:THR:HG21	5	0.21
(1,1276)	1:37:A:ASN:HD22	1:39:A:THR:HG22	5	0.21
(1,1276)	1:37:A:ASN:HD22	1:39:A:THR:HG23	5	0.21
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD21	19	0.21
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD22	19	0.21
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD23	19	0.21
(1,1140)	1:24:A:VAL:HG11	1:81:A:MET:HA	19	0.21
(1,1140)	1:24:A:VAL:HG12	1:81:A:MET:HA	19	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1140)	1:24:A:VAL:HG13	1:81:A:MET:HA	19	0.21
(1,1027)	1:15:A:VAL:HG21	1:18:A:ARG:HG2	13	0.21
(1,1027)	1:15:A:VAL:HG22	1:18:A:ARG:HG2	13	0.21
(1,1027)	1:15:A:VAL:HG23	1:18:A:ARG:HG2	13	0.21
(1,995)	1:15:A:VAL:HG21	1:18:A:ARG:HG3	11	0.21
(1,995)	1:15:A:VAL:HG22	1:18:A:ARG:HG3	11	0.21
(1,995)	1:15:A:VAL:HG23	1:18:A:ARG:HG3	11	0.21
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG11	7	0.21
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG12	7	0.21
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG13	7	0.21
(1,916)	1:24:A:VAL:HG11	1:56:A:PRO:HG3	2	0.21
(1,916)	1:24:A:VAL:HG12	1:56:A:PRO:HG3	2	0.21
(1,916)	1:24:A:VAL:HG13	1:56:A:PRO:HG3	2	0.21
(1,903)	1:74:A:VAL:HG11	1:111:A:LEU:HD11	1	0.21
(1,903)	1:74:A:VAL:HG11	1:111:A:LEU:HD12	1	0.21
(1,903)	1:74:A:VAL:HG11	1:111:A:LEU:HD13	1	0.21
(1,903)	1:74:A:VAL:HG12	1:111:A:LEU:HD11	1	0.21
(1,903)	1:74:A:VAL:HG12	1:111:A:LEU:HD12	1	0.21
(1,903)	1:74:A:VAL:HG12	1:111:A:LEU:HD13	1	0.21
(1,903)	1:74:A:VAL:HG13	1:111:A:LEU:HD11	1	0.21
(1,903)	1:74:A:VAL:HG13	1:111:A:LEU:HD12	1	0.21
(1,903)	1:74:A:VAL:HG13	1:111:A:LEU:HD13	1	0.21
(1,890)	1:7:A:LEU:HD11	1:8:A:PRO:HD2	17	0.21
(1,890)	1:7:A:LEU:HD12	1:8:A:PRO:HD2	17	0.21
(1,890)	1:7:A:LEU:HD13	1:8:A:PRO:HD2	17	0.21
(1,778)	1:10:A:LEU:HD11	1:102:A:GLU:HB3	17	0.21
(1,778)	1:10:A:LEU:HD12	1:102:A:GLU:HB3	17	0.21
(1,778)	1:10:A:LEU:HD13	1:102:A:GLU:HB3	17	0.21
(1,746)	1:60:A:ILE:HG12	1:61:A:LYS:H	19	0.21
(1,742)	1:42:A:LEU:HD21	1:60:A:ILE:HG13	12	0.21
(1,742)	1:42:A:LEU:HD22	1:60:A:ILE:HG13	12	0.21
(1,742)	1:42:A:LEU:HD23	1:60:A:ILE:HG13	12	0.21
(1,742)	1:42:A:LEU:HD21	1:60:A:ILE:HG13	18	0.21
(1,742)	1:42:A:LEU:HD22	1:60:A:ILE:HG13	18	0.21
(1,742)	1:42:A:LEU:HD23	1:60:A:ILE:HG13	18	0.21
(1,661)	1:23:A:SER:HB2	1:25:A:GLU:HB2	18	0.21
(1,634)	1:62:A:ARG:HG3	1:63:A:SER:H	20	0.21
(1,609)	1:8:A:PRO:HB2	1:104:A:PRO:HG2	4	0.21
(1,609)	1:8:A:PRO:HB2	1:104:A:PRO:HG2	12	0.21
(1,609)	1:8:A:PRO:HB2	1:104:A:PRO:HG2	20	0.21
(1,565)	1:11:A:GLN:H	1:11:A:GLN:HB3	9	0.21
(1,565)	1:11:A:GLN:H	1:11:A:GLN:HB3	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,546)	1:4:A:GLN:HB2	1:5:A:LEU:H	10	0.21
(1,499)	1:34:A:HIS:HA	1:40:A:CYS:HB3	15	0.21
(1,463)	1:51:A:PRO:HB3	1:52:A:GLN:H	11	0.21
(1,463)	1:51:A:PRO:HB3	1:52:A:GLN:H	14	0.21
(1,366)	1:55:A:GLN:HG3	1:57:A:TYR:HE1	16	0.21
(1,366)	1:55:A:GLN:HG3	1:57:A:TYR:HE2	16	0.21
(1,211)	1:43:A:VAL:HG11	1:44:A:GLU:HG2	5	0.21
(1,211)	1:43:A:VAL:HG12	1:44:A:GLU:HG2	5	0.21
(1,211)	1:43:A:VAL:HG13	1:44:A:GLU:HG2	5	0.21
(1,130)	1:108:A:ARG:HD2	1:109:A:ASN:H	19	0.21
(1,126)	1:25:A:GLU:HG3	1:28:A:LEU:HB2	9	0.21
(1,126)	1:25:A:GLU:HG3	1:28:A:LEU:HB3	9	0.21
(1,82)	1:7:A:LEU:HD11	1:41:A:GLY:HA3	9	0.21
(1,82)	1:7:A:LEU:HD12	1:41:A:GLY:HA3	9	0.21
(1,82)	1:7:A:LEU:HD13	1:41:A:GLY:HA3	9	0.21
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD21	13	0.21
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD22	13	0.21
(1,18)	1:42:A:LEU:HB3	1:96:A:LEU:HD23	13	0.21
(1,5)	1:20:A:PHE:HA	1:98:A:PRO:HD2	9	0.21
(1,2)	1:17:A:VAL:HG11	1:98:A:PRO:HD3	13	0.21
(1,2)	1:17:A:VAL:HG12	1:98:A:PRO:HD3	13	0.21
(1,2)	1:17:A:VAL:HG13	1:98:A:PRO:HD3	13	0.21
(1,2)	1:17:A:VAL:HG21	1:98:A:PRO:HD3	13	0.21
(1,2)	1:17:A:VAL:HG22	1:98:A:PRO:HD3	13	0.21
(1,2)	1:17:A:VAL:HG23	1:98:A:PRO:HD3	13	0.21
(1,2463)	1:20:A:PHE:HD1	1:58:A:VAL:HG11	12	0.2
(1,2463)	1:20:A:PHE:HD1	1:58:A:VAL:HG12	12	0.2
(1,2463)	1:20:A:PHE:HD1	1:58:A:VAL:HG13	12	0.2
(1,2463)	1:20:A:PHE:HD2	1:58:A:VAL:HG11	12	0.2
(1,2463)	1:20:A:PHE:HD2	1:58:A:VAL:HG12	12	0.2
(1,2463)	1:20:A:PHE:HD2	1:58:A:VAL:HG13	12	0.2
(1,2373)	1:55:A:GLN:HE22	1:82:A:ASP:HB2	2	0.2
(1,2352)	1:4:A:GLN:HE22	1:111:A:LEU:HD11	9	0.2
(1,2352)	1:4:A:GLN:HE22	1:111:A:LEU:HD12	9	0.2
(1,2352)	1:4:A:GLN:HE22	1:111:A:LEU:HD13	9	0.2
(1,2327)	1:49:A:VAL:HG11	1:52:A:GLN:HE22	15	0.2
(1,2327)	1:49:A:VAL:HG12	1:52:A:GLN:HE22	15	0.2
(1,2327)	1:49:A:VAL:HG13	1:52:A:GLN:HE22	15	0.2
(1,2325)	1:48:A:GLY:HA2	1:52:A:GLN:HE22	4	0.2
(1,2282)	1:8:A:PRO:HG3	1:41:A:GLY:H	13	0.2
(1,2275)	1:37:A:ASN:H	1:37:A:ASN:HB3	19	0.2
(1,2212)	1:11:A:GLN:HG2	1:14:A:ASP:H	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2122)	1:63:A:SER:H	1:63:A:SER:HB3	11	0.2
(1,2081)	1:55:A:GLN:H	1:55:A:GLN:HB3	2	0.2
(1,1995)	1:10:A:LEU:HB2	1:11:A:GLN:H	13	0.2
(1,1962)	1:42:A:LEU:HD11	1:45:A:LEU:H	5	0.2
(1,1962)	1:42:A:LEU:HD12	1:45:A:LEU:H	5	0.2
(1,1962)	1:42:A:LEU:HD13	1:45:A:LEU:H	5	0.2
(1,1961)	1:45:A:LEU:H	1:45:A:LEU:HB3	14	0.2
(1,1739)	1:50:A:LEU:HB3	1:51:A:PRO:HD2	2	0.2
(1,1739)	1:50:A:LEU:HB3	1:51:A:PRO:HD2	16	0.2
(1,1530)	1:20:A:PHE:HB3	1:27:A:ALA:HB1	12	0.2
(1,1530)	1:20:A:PHE:HB3	1:27:A:ALA:HB2	12	0.2
(1,1530)	1:20:A:PHE:HB3	1:27:A:ALA:HB3	12	0.2
(1,1473)	1:62:A:ARG:HA	1:63:A:SER:HB3	11	0.2
(1,1473)	1:62:A:ARG:HA	1:63:A:SER:HB3	16	0.2
(1,1387)	1:15:A:VAL:HG21	1:97:A:VAL:HA	3	0.2
(1,1387)	1:15:A:VAL:HG22	1:97:A:VAL:HA	3	0.2
(1,1387)	1:15:A:VAL:HG23	1:97:A:VAL:HA	3	0.2
(1,1349)	1:62:A:ARG:HG3	1:75:A:VAL:HA	3	0.2
(1,1349)	1:62:A:ARG:HG3	1:75:A:VAL:HA	16	0.2
(1,1313)	1:16:A:LEU:H	1:17:A:VAL:HG21	6	0.2
(1,1313)	1:16:A:LEU:H	1:17:A:VAL:HG22	6	0.2
(1,1313)	1:16:A:LEU:H	1:17:A:VAL:HG23	6	0.2
(1,1168)	1:74:A:VAL:HG21	1:113:A:ARG:HA	20	0.2
(1,1168)	1:74:A:VAL:HG22	1:113:A:ARG:HA	20	0.2
(1,1168)	1:74:A:VAL:HG23	1:113:A:ARG:HA	20	0.2
(1,1155)	1:9:A:VAL:HA	1:42:A:LEU:HB2	2	0.2
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD21	1	0.2
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD22	1	0.2
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD23	1	0.2
(1,994)	1:15:A:VAL:HG21	1:97:A:VAL:HB	13	0.2
(1,994)	1:15:A:VAL:HG22	1:97:A:VAL:HB	13	0.2
(1,994)	1:15:A:VAL:HG23	1:97:A:VAL:HB	13	0.2
(1,985)	1:96:A:LEU:HA	1:96:A:LEU:HD21	7	0.2
(1,985)	1:96:A:LEU:HA	1:96:A:LEU:HD22	7	0.2
(1,985)	1:96:A:LEU:HA	1:96:A:LEU:HD23	7	0.2
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG11	5	0.2
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG12	5	0.2
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG13	5	0.2
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG11	14	0.2
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG12	14	0.2
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG13	14	0.2
(1,874)	1:36:A:LYS:HG3	1:36:A:LYS:HD2	9	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,874)	1:36:A:LYS:HG3	1:36:A:LYS:HD2	11	0.2
(1,874)	1:36:A:LYS:HG3	1:36:A:LYS:HD2	14	0.2
(1,874)	1:36:A:LYS:HG3	1:36:A:LYS:HD2	16	0.2
(1,858)	1:40:A:CYS:HB3	1:98:A:PRO:HA	18	0.2
(1,742)	1:42:A:LEU:HD21	1:60:A:ILE:HG13	16	0.2
(1,742)	1:42:A:LEU:HD22	1:60:A:ILE:HG13	16	0.2
(1,742)	1:42:A:LEU:HD23	1:60:A:ILE:HG13	16	0.2
(1,725)	1:50:A:LEU:HD21	1:53:A:LEU:HD21	14	0.2
(1,725)	1:50:A:LEU:HD21	1:53:A:LEU:HD22	14	0.2
(1,725)	1:50:A:LEU:HD21	1:53:A:LEU:HD23	14	0.2
(1,725)	1:50:A:LEU:HD22	1:53:A:LEU:HD21	14	0.2
(1,725)	1:50:A:LEU:HD22	1:53:A:LEU:HD22	14	0.2
(1,725)	1:50:A:LEU:HD22	1:53:A:LEU:HD23	14	0.2
(1,725)	1:50:A:LEU:HD23	1:53:A:LEU:HD21	14	0.2
(1,725)	1:50:A:LEU:HD23	1:53:A:LEU:HD22	14	0.2
(1,725)	1:50:A:LEU:HD23	1:53:A:LEU:HD23	14	0.2
(1,713)	1:8:A:PRO:HG2	1:107:A:TYR:HE1	20	0.2
(1,713)	1:8:A:PRO:HG2	1:107:A:TYR:HE2	20	0.2
(1,682)	1:8:A:PRO:HG3	1:104:A:PRO:HB3	19	0.2
(1,609)	1:8:A:PRO:HB2	1:104:A:PRO:HG2	17	0.2
(1,565)	1:11:A:GLN:H	1:11:A:GLN:HB3	16	0.2
(1,557)	1:36:A:LYS:HB3	1:36:A:LYS:HD3	7	0.2
(1,557)	1:36:A:LYS:HB3	1:36:A:LYS:HD3	16	0.2
(1,546)	1:4:A:GLN:HB2	1:5:A:LEU:H	8	0.2
(1,546)	1:4:A:GLN:HB2	1:5:A:LEU:H	11	0.2
(1,463)	1:51:A:PRO:HB3	1:52:A:GLN:H	1	0.2
(1,463)	1:51:A:PRO:HB3	1:52:A:GLN:H	6	0.2
(1,463)	1:51:A:PRO:HB3	1:52:A:GLN:H	19	0.2
(1,277)	1:18:A:ARG:HD3	1:54:A:GLU:HG2	13	0.2
(1,136)	1:108:A:ARG:HB2	1:108:A:ARG:HD3	1	0.2
(1,82)	1:7:A:LEU:HD11	1:41:A:GLY:HA3	20	0.2
(1,82)	1:7:A:LEU:HD12	1:41:A:GLY:HA3	20	0.2
(1,82)	1:7:A:LEU:HD13	1:41:A:GLY:HA3	20	0.2
(1,17)	1:7:A:LEU:HB3	1:42:A:LEU:HB3	11	0.2
(1,2524)	1:99:A:HIS:HD2	1:101:A:GLY:HA3	20	0.19
(1,2275)	1:37:A:ASN:H	1:37:A:ASN:HB3	1	0.19
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG11	19	0.19
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG12	19	0.19
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG13	19	0.19
(1,2212)	1:11:A:GLN:HG2	1:14:A:ASP:H	11	0.19
(1,2125)	1:62:A:ARG:HB3	1:63:A:SER:H	19	0.19
(1,2122)	1:63:A:SER:H	1:63:A:SER:HB3	2	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2081)	1:55:A:GLN:H	1:55:A:GLN:HB3	10	0.19
(1,1995)	1:10:A:LEU:HB2	1:11:A:GLN:H	15	0.19
(1,1790)	1:12:A:VAL:H	1:49:A:VAL:HG11	19	0.19
(1,1790)	1:12:A:VAL:H	1:49:A:VAL:HG12	19	0.19
(1,1790)	1:12:A:VAL:H	1:49:A:VAL:HG13	19	0.19
(1,1744)	1:49:A:VAL:HB	1:51:A:PRO:HD3	6	0.19
(1,1744)	1:49:A:VAL:HB	1:51:A:PRO:HD3	12	0.19
(1,1729)	1:50:A:LEU:HD11	1:51:A:PRO:HD2	8	0.19
(1,1729)	1:50:A:LEU:HD12	1:51:A:PRO:HD2	8	0.19
(1,1729)	1:50:A:LEU:HD13	1:51:A:PRO:HD2	8	0.19
(1,1710)	1:7:A:LEU:HA	1:41:A:GLY:HA3	16	0.19
(1,1623)	1:55:A:GLN:HE22	1:82:A:ASP:HA	7	0.19
(1,1489)	1:97:A:VAL:HG21	1:98:A:PRO:HD3	19	0.19
(1,1489)	1:97:A:VAL:HG22	1:98:A:PRO:HD3	19	0.19
(1,1489)	1:97:A:VAL:HG23	1:98:A:PRO:HD3	19	0.19
(1,1456)	1:20:A:PHE:HB3	1:31:A:ALA:HB1	12	0.19
(1,1456)	1:20:A:PHE:HB3	1:31:A:ALA:HB2	12	0.19
(1,1456)	1:20:A:PHE:HB3	1:31:A:ALA:HB3	12	0.19
(1,1207)	1:9:A:VAL:HG11	1:44:A:GLU:HG2	16	0.19
(1,1207)	1:9:A:VAL:HG12	1:44:A:GLU:HG2	16	0.19
(1,1207)	1:9:A:VAL:HG13	1:44:A:GLU:HG2	16	0.19
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB1	16	0.19
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB2	16	0.19
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB3	16	0.19
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB1	16	0.19
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB2	16	0.19
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB3	16	0.19
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB1	16	0.19
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB2	16	0.19
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB3	16	0.19
(1,995)	1:15:A:VAL:HG21	1:18:A:ARG:HG3	1	0.19
(1,995)	1:15:A:VAL:HG22	1:18:A:ARG:HG3	1	0.19
(1,995)	1:15:A:VAL:HG23	1:18:A:ARG:HG3	1	0.19
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG11	3	0.19
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG12	3	0.19
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG13	3	0.19
(1,874)	1:36:A:LYS:HG3	1:36:A:LYS:HD2	7	0.19
(1,874)	1:36:A:LYS:HG3	1:36:A:LYS:HD2	10	0.19
(1,874)	1:36:A:LYS:HG3	1:36:A:LYS:HD2	20	0.19
(1,858)	1:40:A:CYS:HB3	1:98:A:PRO:HA	2	0.19
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD21	20	0.19
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD22	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,838)	1:4:A:GLN:HB3	1:111:A:LEU:HD23	20	0.19
(1,746)	1:60:A:ILE:HG12	1:61:A:LYS:H	8	0.19
(1,743)	1:50:A:LEU:HG	1:51:A:PRO:HD2	15	0.19
(1,743)	1:50:A:LEU:HG	1:51:A:PRO:HD2	18	0.19
(1,707)	1:42:A:LEU:HD11	1:108:A:ARG:HG2	2	0.19
(1,707)	1:42:A:LEU:HD12	1:108:A:ARG:HG2	2	0.19
(1,707)	1:42:A:LEU:HD13	1:108:A:ARG:HG2	2	0.19
(1,697)	1:74:A:VAL:HG11	1:111:A:LEU:HG	3	0.19
(1,697)	1:74:A:VAL:HG12	1:111:A:LEU:HG	3	0.19
(1,697)	1:74:A:VAL:HG13	1:111:A:LEU:HG	3	0.19
(1,697)	1:74:A:VAL:HG11	1:111:A:LEU:HG	13	0.19
(1,697)	1:74:A:VAL:HG12	1:111:A:LEU:HG	13	0.19
(1,697)	1:74:A:VAL:HG13	1:111:A:LEU:HG	13	0.19
(1,682)	1:8:A:PRO:HG3	1:104:A:PRO:HB3	15	0.19
(1,609)	1:8:A:PRO:HB2	1:104:A:PRO:HG2	7	0.19
(1,557)	1:36:A:LYS:HB3	1:36:A:LYS:HD3	14	0.19
(1,546)	1:4:A:GLN:HB2	1:5:A:LEU:H	9	0.19
(1,546)	1:4:A:GLN:HB2	1:5:A:LEU:H	15	0.19
(1,490)	1:112:A:LEU:HD21	1:113:A:ARG:HB3	11	0.19
(1,490)	1:112:A:LEU:HD22	1:113:A:ARG:HB3	11	0.19
(1,490)	1:112:A:LEU:HD23	1:113:A:ARG:HB3	11	0.19
(1,463)	1:51:A:PRO:HB3	1:52:A:GLN:H	10	0.19
(1,463)	1:51:A:PRO:HB3	1:52:A:GLN:H	13	0.19
(1,463)	1:51:A:PRO:HB3	1:52:A:GLN:H	17	0.19
(1,386)	1:2:A:HIS:HB2	1:3:A:VAL:H	15	0.19
(1,386)	1:2:A:HIS:HB2	1:3:A:VAL:H	16	0.19
(1,333)	1:11:A:GLN:HA	1:11:A:GLN:HG3	3	0.19
(1,326)	1:11:A:GLN:HG2	1:105:A:ILE:HG21	8	0.19
(1,326)	1:11:A:GLN:HG2	1:105:A:ILE:HG22	8	0.19
(1,326)	1:11:A:GLN:HG2	1:105:A:ILE:HG23	8	0.19
(1,298)	1:26:A:GLU:HB2	1:56:A:PRO:HB3	9	0.19
(1,277)	1:18:A:ARG:HD3	1:54:A:GLU:HG2	10	0.19
(1,211)	1:43:A:VAL:HG11	1:44:A:GLU:HG2	11	0.19
(1,211)	1:43:A:VAL:HG12	1:44:A:GLU:HG2	11	0.19
(1,211)	1:43:A:VAL:HG13	1:44:A:GLU:HG2	11	0.19
(1,202)	1:44:A:GLU:H	1:44:A:GLU:HG2	7	0.19
(1,132)	1:108:A:ARG:HA	1:108:A:ARG:HD2	17	0.19
(1,71)	1:8:A:PRO:HG3	1:41:A:GLY:HA3	14	0.19
(1,2463)	1:20:A:PHE:HD1	1:58:A:VAL:HG11	13	0.18
(1,2463)	1:20:A:PHE:HD1	1:58:A:VAL:HG12	13	0.18
(1,2463)	1:20:A:PHE:HD1	1:58:A:VAL:HG13	13	0.18
(1,2463)	1:20:A:PHE:HD2	1:58:A:VAL:HG11	13	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2463)	1:20:A:PHE:HD2	1:58:A:VAL:HG12	13	0.18
(1,2463)	1:20:A:PHE:HD2	1:58:A:VAL:HG13	13	0.18
(1,2459)	1:20:A:PHE:HD1	1:30:A:GLU:HB2	1	0.18
(1,2459)	1:20:A:PHE:HD2	1:30:A:GLU:HB2	1	0.18
(1,2459)	1:20:A:PHE:HD1	1:30:A:GLU:HB2	19	0.18
(1,2459)	1:20:A:PHE:HD2	1:30:A:GLU:HB2	19	0.18
(1,2397)	1:19:A:GLY:H	1:98:A:PRO:HD3	14	0.18
(1,2341)	1:11:A:GLN:HE22	1:12:A:VAL:HG11	5	0.18
(1,2341)	1:11:A:GLN:HE22	1:12:A:VAL:HG12	5	0.18
(1,2341)	1:11:A:GLN:HE22	1:12:A:VAL:HG13	5	0.18
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG11	16	0.18
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG12	16	0.18
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG13	16	0.18
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG11	20	0.18
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG12	20	0.18
(1,2239)	1:20:A:PHE:H	1:58:A:VAL:HG13	20	0.18
(1,2081)	1:55:A:GLN:H	1:55:A:GLN:HB3	20	0.18
(1,1961)	1:45:A:LEU:H	1:45:A:LEU:HB3	6	0.18
(1,1782)	1:5:A:LEU:H	1:112:A:LEU:HB3	1	0.18
(1,1744)	1:49:A:VAL:HB	1:51:A:PRO:HD3	1	0.18
(1,1744)	1:49:A:VAL:HB	1:51:A:PRO:HD3	2	0.18
(1,1744)	1:49:A:VAL:HB	1:51:A:PRO:HD3	3	0.18
(1,1744)	1:49:A:VAL:HB	1:51:A:PRO:HD3	4	0.18
(1,1744)	1:49:A:VAL:HB	1:51:A:PRO:HD3	5	0.18
(1,1744)	1:49:A:VAL:HB	1:51:A:PRO:HD3	7	0.18
(1,1744)	1:49:A:VAL:HB	1:51:A:PRO:HD3	9	0.18
(1,1744)	1:49:A:VAL:HB	1:51:A:PRO:HD3	10	0.18
(1,1744)	1:49:A:VAL:HB	1:51:A:PRO:HD3	11	0.18
(1,1744)	1:49:A:VAL:HB	1:51:A:PRO:HD3	14	0.18
(1,1744)	1:49:A:VAL:HB	1:51:A:PRO:HD3	15	0.18
(1,1744)	1:49:A:VAL:HB	1:51:A:PRO:HD3	17	0.18
(1,1744)	1:49:A:VAL:HB	1:51:A:PRO:HD3	20	0.18
(1,1739)	1:50:A:LEU:HB3	1:51:A:PRO:HD2	3	0.18
(1,1739)	1:50:A:LEU:HB3	1:51:A:PRO:HD2	13	0.18
(1,1642)	1:2:A:HIS:HB2	1:112:A:LEU:HA	1	0.18
(1,1537)	1:59:A:PHE:HA	1:60:A:ILE:HG13	14	0.18
(1,1387)	1:15:A:VAL:HG21	1:97:A:VAL:HA	12	0.18
(1,1387)	1:15:A:VAL:HG22	1:97:A:VAL:HA	12	0.18
(1,1387)	1:15:A:VAL:HG23	1:97:A:VAL:HA	12	0.18
(1,1312)	1:17:A:VAL:H	1:17:A:VAL:HG21	5	0.18
(1,1312)	1:17:A:VAL:H	1:17:A:VAL:HG22	5	0.18
(1,1312)	1:17:A:VAL:H	1:17:A:VAL:HG23	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1287)	1:34:A:HIS:HA	1:37:A:ASN:HB3	1	0.18
(1,1140)	1:24:A:VAL:HG11	1:81:A:MET:HA	15	0.18
(1,1140)	1:24:A:VAL:HG12	1:81:A:MET:HA	15	0.18
(1,1140)	1:24:A:VAL:HG13	1:81:A:MET:HA	15	0.18
(1,1129)	1:12:A:VAL:HA	1:43:A:VAL:HG11	8	0.18
(1,1129)	1:12:A:VAL:HA	1:43:A:VAL:HG12	8	0.18
(1,1129)	1:12:A:VAL:HA	1:43:A:VAL:HG13	8	0.18
(1,1098)	1:58:A:VAL:HG21	1:96:A:LEU:HB2	6	0.18
(1,1098)	1:58:A:VAL:HG22	1:96:A:LEU:HB2	6	0.18
(1,1098)	1:58:A:VAL:HG23	1:96:A:LEU:HB2	6	0.18
(1,1065)	1:18:A:ARG:HG2	1:53:A:LEU:HD11	1	0.18
(1,1065)	1:18:A:ARG:HG2	1:53:A:LEU:HD12	1	0.18
(1,1065)	1:18:A:ARG:HG2	1:53:A:LEU:HD13	1	0.18
(1,991)	1:15:A:VAL:HG21	1:18:A:ARG:HE	20	0.18
(1,991)	1:15:A:VAL:HG22	1:18:A:ARG:HE	20	0.18
(1,991)	1:15:A:VAL:HG23	1:18:A:ARG:HE	20	0.18
(1,887)	1:93:A:LEU:HA	1:93:A:LEU:HD21	14	0.18
(1,887)	1:93:A:LEU:HA	1:93:A:LEU:HD22	14	0.18
(1,887)	1:93:A:LEU:HA	1:93:A:LEU:HD23	14	0.18
(1,874)	1:36:A:LYS:HG3	1:36:A:LYS:HD2	2	0.18
(1,874)	1:36:A:LYS:HG3	1:36:A:LYS:HD2	4	0.18
(1,682)	1:8:A:PRO:HG3	1:104:A:PRO:HB3	10	0.18
(1,615)	1:84:A:ILE:H	1:84:A:ILE:HG12	1	0.18
(1,615)	1:84:A:ILE:H	1:84:A:ILE:HG12	4	0.18
(1,615)	1:84:A:ILE:H	1:84:A:ILE:HG12	16	0.18
(1,609)	1:8:A:PRO:HB2	1:104:A:PRO:HG2	13	0.18
(1,565)	1:11:A:GLN:H	1:11:A:GLN:HB3	3	0.18
(1,546)	1:4:A:GLN:HB2	1:5:A:LEU:H	7	0.18
(1,513)	1:30:A:GLU:HB2	1:33:A:GLU:H	16	0.18
(1,466)	1:72:A:HIS:HB2	1:73:A:LYS:HG2	20	0.18
(1,466)	1:72:A:HIS:HB3	1:73:A:LYS:HG2	20	0.18
(1,408)	1:8:A:PRO:HB3	1:104:A:PRO:HB2	15	0.18
(1,386)	1:2:A:HIS:HB2	1:3:A:VAL:H	10	0.18
(1,386)	1:2:A:HIS:HB2	1:3:A:VAL:H	11	0.18
(1,386)	1:2:A:HIS:HB2	1:3:A:VAL:H	12	0.18
(1,386)	1:2:A:HIS:HB2	1:3:A:VAL:H	14	0.18
(1,223)	1:100:A:VAL:HG11	1:102:A:GLU:HG2	17	0.18
(1,223)	1:100:A:VAL:HG12	1:102:A:GLU:HG2	17	0.18
(1,223)	1:100:A:VAL:HG13	1:102:A:GLU:HG2	17	0.18
(1,204)	1:43:A:VAL:HA	1:44:A:GLU:HG2	4	0.18
(1,2)	1:17:A:VAL:HG11	1:98:A:PRO:HD3	8	0.18
(1,2)	1:17:A:VAL:HG12	1:98:A:PRO:HD3	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2)	1:17:A:VAL:HG13	1:98:A:PRO:HD3	8	0.18
(1,2)	1:17:A:VAL:HG21	1:98:A:PRO:HD3	8	0.18
(1,2)	1:17:A:VAL:HG22	1:98:A:PRO:HD3	8	0.18
(1,2)	1:17:A:VAL:HG23	1:98:A:PRO:HD3	8	0.18
(1,2459)	1:20:A:PHE:HD1	1:30:A:GLU:HB2	8	0.17
(1,2459)	1:20:A:PHE:HD2	1:30:A:GLU:HB2	8	0.17
(1,2419)	1:42:A:LEU:HD21	1:94:A:GLY:H	13	0.17
(1,2419)	1:42:A:LEU:HD22	1:94:A:GLY:H	13	0.17
(1,2419)	1:42:A:LEU:HD23	1:94:A:GLY:H	13	0.17
(1,2419)	1:42:A:LEU:HD21	1:94:A:GLY:H	18	0.17
(1,2419)	1:42:A:LEU:HD22	1:94:A:GLY:H	18	0.17
(1,2419)	1:42:A:LEU:HD23	1:94:A:GLY:H	18	0.17
(1,2416)	1:93:A:LEU:HB3	1:94:A:GLY:H	5	0.17
(1,2384)	1:85:A:GLN:HB3	1:87:A:GLY:H	5	0.17
(1,2347)	1:23:A:SER:H	1:23:A:SER:HB3	16	0.17
(1,2327)	1:49:A:VAL:HG11	1:52:A:GLN:HE22	6	0.17
(1,2327)	1:49:A:VAL:HG12	1:52:A:GLN:HE22	6	0.17
(1,2327)	1:49:A:VAL:HG13	1:52:A:GLN:HE22	6	0.17
(1,2325)	1:48:A:GLY:HA2	1:52:A:GLN:HE22	5	0.17
(1,2325)	1:48:A:GLY:HA2	1:52:A:GLN:HE22	9	0.17
(1,2305)	1:52:A:GLN:H	1:53:A:LEU:HB3	5	0.17
(1,2282)	1:8:A:PRO:HG3	1:41:A:GLY:H	15	0.17
(1,2282)	1:8:A:PRO:HG3	1:41:A:GLY:H	16	0.17
(1,2212)	1:11:A:GLN:HG2	1:14:A:ASP:H	2	0.17
(1,2097)	1:3:A:VAL:H	1:112:A:LEU:HB2	1	0.17
(1,2000)	1:20:A:PHE:HB2	1:30:A:GLU:H	9	0.17
(1,1961)	1:45:A:LEU:H	1:45:A:LEU:HB3	13	0.17
(1,1942)	1:7:A:LEU:HD11	1:40:A:CYS:H	1	0.17
(1,1942)	1:7:A:LEU:HD12	1:40:A:CYS:H	1	0.17
(1,1942)	1:7:A:LEU:HD13	1:40:A:CYS:H	1	0.17
(1,1824)	1:10:A:LEU:H	1:42:A:LEU:HB2	20	0.17
(1,1782)	1:5:A:LEU:H	1:112:A:LEU:HB3	15	0.17
(1,1759)	1:16:A:LEU:H	1:102:A:GLU:HG2	11	0.17
(1,1744)	1:49:A:VAL:HB	1:51:A:PRO:HD3	8	0.17
(1,1744)	1:49:A:VAL:HB	1:51:A:PRO:HD3	13	0.17
(1,1744)	1:49:A:VAL:HB	1:51:A:PRO:HD3	16	0.17
(1,1729)	1:50:A:LEU:HD11	1:51:A:PRO:HD2	13	0.17
(1,1729)	1:50:A:LEU:HD12	1:51:A:PRO:HD2	13	0.17
(1,1729)	1:50:A:LEU:HD13	1:51:A:PRO:HD2	13	0.17
(1,1370)	1:12:A:VAL:HG11	1:13:A:ARG:HB2	2	0.17
(1,1370)	1:12:A:VAL:HG12	1:13:A:ARG:HB2	2	0.17
(1,1370)	1:12:A:VAL:HG13	1:13:A:ARG:HB2	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1370)	1:12:A:VAL:HG11	1:13:A:ARG:HB2	10	0.17
(1,1370)	1:12:A:VAL:HG12	1:13:A:ARG:HB2	10	0.17
(1,1370)	1:12:A:VAL:HG13	1:13:A:ARG:HB2	10	0.17
(1,1344)	1:102:A:GLU:HA	1:102:A:GLU:HG3	9	0.17
(1,1325)	1:36:A:LYS:HA	1:36:A:LYS:HD3	10	0.17
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD21	5	0.17
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD22	5	0.17
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD23	5	0.17
(1,1101)	1:58:A:VAL:HG21	1:77:A:LEU:HD21	4	0.17
(1,1101)	1:58:A:VAL:HG21	1:77:A:LEU:HD22	4	0.17
(1,1101)	1:58:A:VAL:HG21	1:77:A:LEU:HD23	4	0.17
(1,1101)	1:58:A:VAL:HG22	1:77:A:LEU:HD21	4	0.17
(1,1101)	1:58:A:VAL:HG22	1:77:A:LEU:HD22	4	0.17
(1,1101)	1:58:A:VAL:HG22	1:77:A:LEU:HD23	4	0.17
(1,1101)	1:58:A:VAL:HG23	1:77:A:LEU:HD21	4	0.17
(1,1101)	1:58:A:VAL:HG23	1:77:A:LEU:HD22	4	0.17
(1,1101)	1:58:A:VAL:HG23	1:77:A:LEU:HD23	4	0.17
(1,1034)	1:8:A:PRO:HB3	1:104:A:PRO:HA	9	0.17
(1,890)	1:7:A:LEU:HD11	1:8:A:PRO:HD2	20	0.17
(1,890)	1:7:A:LEU:HD12	1:8:A:PRO:HD2	20	0.17
(1,890)	1:7:A:LEU:HD13	1:8:A:PRO:HD2	20	0.17
(1,874)	1:36:A:LYS:HG3	1:36:A:LYS:HD2	12	0.17
(1,874)	1:36:A:LYS:HG3	1:36:A:LYS:HD2	15	0.17
(1,848)	1:42:A:LEU:HD21	1:94:A:GLY:HA3	2	0.17
(1,848)	1:42:A:LEU:HD22	1:94:A:GLY:HA3	2	0.17
(1,848)	1:42:A:LEU:HD23	1:94:A:GLY:HA3	2	0.17
(1,743)	1:50:A:LEU:HG	1:51:A:PRO:HD2	19	0.17
(1,713)	1:8:A:PRO:HG2	1:107:A:TYR:HE1	1	0.17
(1,713)	1:8:A:PRO:HG2	1:107:A:TYR:HE2	1	0.17
(1,640)	1:23:A:SER:HB2	1:24:A:VAL:H	20	0.17
(1,615)	1:84:A:ILE:H	1:84:A:ILE:HG12	2	0.17
(1,615)	1:84:A:ILE:H	1:84:A:ILE:HG12	11	0.17
(1,609)	1:8:A:PRO:HB2	1:104:A:PRO:HG2	1	0.17
(1,609)	1:8:A:PRO:HB2	1:104:A:PRO:HG2	19	0.17
(1,565)	1:11:A:GLN:H	1:11:A:GLN:HB3	2	0.17
(1,565)	1:11:A:GLN:H	1:11:A:GLN:HB3	15	0.17
(1,565)	1:11:A:GLN:H	1:11:A:GLN:HB3	19	0.17
(1,557)	1:36:A:LYS:HB3	1:36:A:LYS:HD3	11	0.17
(1,557)	1:36:A:LYS:HB3	1:36:A:LYS:HD3	15	0.17
(1,557)	1:36:A:LYS:HB3	1:36:A:LYS:HD3	20	0.17
(1,546)	1:4:A:GLN:HB2	1:5:A:LEU:H	16	0.17
(1,513)	1:30:A:GLU:HB2	1:33:A:GLU:H	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,513)	1:30:A:GLU:HB2	1:33:A:GLU:H	10	0.17
(1,477)	1:62:A:ARG:HB2	1:91:A:ILE:HA	15	0.17
(1,463)	1:51:A:PRO:HB3	1:52:A:GLN:H	18	0.17
(1,408)	1:8:A:PRO:HB3	1:104:A:PRO:HB2	1	0.17
(1,386)	1:2:A:HIS:HB2	1:3:A:VAL:H	18	0.17
(1,298)	1:26:A:GLU:HB2	1:56:A:PRO:HB3	12	0.17
(1,297)	1:56:A:PRO:HB3	1:80:A:GLU:H	6	0.17
(1,207)	1:44:A:GLU:HG3	1:45:A:LEU:H	19	0.17
(1,131)	1:108:A:ARG:H	1:108:A:ARG:HD2	19	0.17
(1,88)	1:32:A:ARG:H	1:32:A:ARG:HD3	16	0.17
(1,71)	1:8:A:PRO:HG3	1:41:A:GLY:HA3	18	0.17
(1,35)	1:21:A:GLY:HA2	1:26:A:GLU:HG3	3	0.17
(1,30)	1:50:A:LEU:HD11	1:87:A:GLY:HA2	3	0.17
(1,30)	1:50:A:LEU:HD12	1:87:A:GLY:HA2	3	0.17
(1,30)	1:50:A:LEU:HD13	1:87:A:GLY:HA2	3	0.17
(1,2463)	1:20:A:PHE:HD1	1:58:A:VAL:HG11	10	0.16
(1,2463)	1:20:A:PHE:HD1	1:58:A:VAL:HG12	10	0.16
(1,2463)	1:20:A:PHE:HD1	1:58:A:VAL:HG13	10	0.16
(1,2463)	1:20:A:PHE:HD2	1:58:A:VAL:HG11	10	0.16
(1,2463)	1:20:A:PHE:HD2	1:58:A:VAL:HG12	10	0.16
(1,2463)	1:20:A:PHE:HD2	1:58:A:VAL:HG13	10	0.16
(1,2459)	1:20:A:PHE:HD1	1:30:A:GLU:HB2	9	0.16
(1,2459)	1:20:A:PHE:HD2	1:30:A:GLU:HB2	9	0.16
(1,2419)	1:42:A:LEU:HD21	1:94:A:GLY:H	15	0.16
(1,2419)	1:42:A:LEU:HD22	1:94:A:GLY:H	15	0.16
(1,2419)	1:42:A:LEU:HD23	1:94:A:GLY:H	15	0.16
(1,2352)	1:4:A:GLN:HE22	1:111:A:LEU:HD11	19	0.16
(1,2352)	1:4:A:GLN:HE22	1:111:A:LEU:HD12	19	0.16
(1,2352)	1:4:A:GLN:HE22	1:111:A:LEU:HD13	19	0.16
(1,2347)	1:23:A:SER:H	1:23:A:SER:HB3	18	0.16
(1,2275)	1:37:A:ASN:H	1:37:A:ASN:HB3	8	0.16
(1,2238)	1:20:A:PHE:H	1:98:A:PRO:HD2	17	0.16
(1,2235)	1:20:A:PHE:H	1:30:A:GLU:HB3	15	0.16
(1,2125)	1:62:A:ARG:HB3	1:63:A:SER:H	6	0.16
(1,2005)	1:76:A:GLU:HB3	1:77:A:LEU:H	5	0.16
(1,1995)	1:10:A:LEU:HB2	1:11:A:GLN:H	9	0.16
(1,1813)	1:2:A:HIS:HB2	1:114:A:LYS:H	11	0.16
(1,1790)	1:12:A:VAL:H	1:49:A:VAL:HG11	6	0.16
(1,1790)	1:12:A:VAL:H	1:49:A:VAL:HG12	6	0.16
(1,1790)	1:12:A:VAL:H	1:49:A:VAL:HG13	6	0.16
(1,1790)	1:12:A:VAL:H	1:49:A:VAL:HG11	12	0.16
(1,1790)	1:12:A:VAL:H	1:49:A:VAL:HG12	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1790)	1:12:A:VAL:H	1:49:A:VAL:HG13	12	0.16
(1,1790)	1:12:A:VAL:H	1:49:A:VAL:HG11	20	0.16
(1,1790)	1:12:A:VAL:H	1:49:A:VAL:HG12	20	0.16
(1,1790)	1:12:A:VAL:H	1:49:A:VAL:HG13	20	0.16
(1,1744)	1:49:A:VAL:HB	1:51:A:PRO:HD3	18	0.16
(1,1739)	1:50:A:LEU:HB3	1:51:A:PRO:HD2	14	0.16
(1,1703)	1:62:A:ARG:HG2	1:91:A:ILE:HD11	7	0.16
(1,1703)	1:62:A:ARG:HG2	1:91:A:ILE:HD12	7	0.16
(1,1703)	1:62:A:ARG:HG2	1:91:A:ILE:HD13	7	0.16
(1,1473)	1:62:A:ARG:HA	1:63:A:SER:HB3	2	0.16
(1,1370)	1:12:A:VAL:HG11	1:13:A:ARG:HB2	12	0.16
(1,1370)	1:12:A:VAL:HG12	1:13:A:ARG:HB2	12	0.16
(1,1370)	1:12:A:VAL:HG13	1:13:A:ARG:HB2	12	0.16
(1,1370)	1:12:A:VAL:HG11	1:13:A:ARG:HB2	15	0.16
(1,1370)	1:12:A:VAL:HG12	1:13:A:ARG:HB2	15	0.16
(1,1370)	1:12:A:VAL:HG13	1:13:A:ARG:HB2	15	0.16
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD21	9	0.16
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD22	9	0.16
(1,1152)	1:8:A:PRO:HB3	1:10:A:LEU:HD23	9	0.16
(1,1124)	1:24:A:VAL:HG11	1:25:A:GLU:H	10	0.16
(1,1124)	1:24:A:VAL:HG12	1:25:A:GLU:H	10	0.16
(1,1124)	1:24:A:VAL:HG13	1:25:A:GLU:H	10	0.16
(1,1017)	1:24:A:VAL:HG21	1:79:A:ALA:HB1	9	0.16
(1,1017)	1:24:A:VAL:HG21	1:79:A:ALA:HB2	9	0.16
(1,1017)	1:24:A:VAL:HG21	1:79:A:ALA:HB3	9	0.16
(1,1017)	1:24:A:VAL:HG22	1:79:A:ALA:HB1	9	0.16
(1,1017)	1:24:A:VAL:HG22	1:79:A:ALA:HB2	9	0.16
(1,1017)	1:24:A:VAL:HG22	1:79:A:ALA:HB3	9	0.16
(1,1017)	1:24:A:VAL:HG23	1:79:A:ALA:HB1	9	0.16
(1,1017)	1:24:A:VAL:HG23	1:79:A:ALA:HB2	9	0.16
(1,1017)	1:24:A:VAL:HG23	1:79:A:ALA:HB3	9	0.16
(1,837)	1:42:A:LEU:HD21	1:60:A:ILE:HD11	10	0.16
(1,837)	1:42:A:LEU:HD21	1:60:A:ILE:HD12	10	0.16
(1,837)	1:42:A:LEU:HD21	1:60:A:ILE:HD13	10	0.16
(1,837)	1:42:A:LEU:HD22	1:60:A:ILE:HD11	10	0.16
(1,837)	1:42:A:LEU:HD22	1:60:A:ILE:HD12	10	0.16
(1,837)	1:42:A:LEU:HD22	1:60:A:ILE:HD13	10	0.16
(1,837)	1:42:A:LEU:HD23	1:60:A:ILE:HD11	10	0.16
(1,837)	1:42:A:LEU:HD23	1:60:A:ILE:HD12	10	0.16
(1,837)	1:42:A:LEU:HD23	1:60:A:ILE:HD13	10	0.16
(1,837)	1:42:A:LEU:HD21	1:60:A:ILE:HD11	11	0.16
(1,837)	1:42:A:LEU:HD21	1:60:A:ILE:HD12	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,837)	1:42:A:LEU:HD21	1:60:A:ILE:HD13	11	0.16
(1,837)	1:42:A:LEU:HD22	1:60:A:ILE:HD11	11	0.16
(1,837)	1:42:A:LEU:HD22	1:60:A:ILE:HD12	11	0.16
(1,837)	1:42:A:LEU:HD22	1:60:A:ILE:HD13	11	0.16
(1,837)	1:42:A:LEU:HD23	1:60:A:ILE:HD11	11	0.16
(1,837)	1:42:A:LEU:HD23	1:60:A:ILE:HD12	11	0.16
(1,837)	1:42:A:LEU:HD23	1:60:A:ILE:HD13	11	0.16
(1,822)	1:66:A:LEU:HB3	1:66:A:LEU:HD11	10	0.16
(1,822)	1:66:A:LEU:HB3	1:66:A:LEU:HD12	10	0.16
(1,822)	1:66:A:LEU:HB3	1:66:A:LEU:HD13	10	0.16
(1,822)	1:66:A:LEU:HB3	1:66:A:LEU:HD11	13	0.16
(1,822)	1:66:A:LEU:HB3	1:66:A:LEU:HD12	13	0.16
(1,822)	1:66:A:LEU:HB3	1:66:A:LEU:HD13	13	0.16
(1,822)	1:66:A:LEU:HB3	1:66:A:LEU:HD11	20	0.16
(1,822)	1:66:A:LEU:HB3	1:66:A:LEU:HD12	20	0.16
(1,822)	1:66:A:LEU:HB3	1:66:A:LEU:HD13	20	0.16
(1,743)	1:50:A:LEU:HG	1:51:A:PRO:HD2	10	0.16
(1,713)	1:8:A:PRO:HG2	1:107:A:TYR:HE1	12	0.16
(1,713)	1:8:A:PRO:HG2	1:107:A:TYR:HE2	12	0.16
(1,682)	1:8:A:PRO:HG3	1:104:A:PRO:HB3	1	0.16
(1,682)	1:8:A:PRO:HG3	1:104:A:PRO:HB3	3	0.16
(1,641)	1:23:A:SER:HB2	1:25:A:GLU:H	2	0.16
(1,609)	1:8:A:PRO:HB2	1:104:A:PRO:HG2	11	0.16
(1,565)	1:11:A:GLN:H	1:11:A:GLN:HB3	14	0.16
(1,546)	1:4:A:GLN:HB2	1:5:A:LEU:H	19	0.16
(1,490)	1:112:A:LEU:HD21	1:113:A:ARG:HB3	8	0.16
(1,490)	1:112:A:LEU:HD22	1:113:A:ARG:HB3	8	0.16
(1,490)	1:112:A:LEU:HD23	1:113:A:ARG:HB3	8	0.16
(1,488)	1:2:A:HIS:HD2	1:113:A:ARG:HB3	15	0.16
(1,466)	1:72:A:HIS:HB2	1:73:A:LYS:HG2	11	0.16
(1,466)	1:72:A:HIS:HB3	1:73:A:LYS:HG2	11	0.16
(1,463)	1:51:A:PRO:HB3	1:52:A:GLN:H	5	0.16
(1,333)	1:11:A:GLN:HA	1:11:A:GLN:HG3	20	0.16
(1,332)	1:11:A:GLN:HG3	1:13:A:ARG:H	17	0.16
(1,255)	1:20:A:PHE:HB2	1:30:A:GLU:HG2	4	0.16
(1,202)	1:44:A:GLU:H	1:44:A:GLU:HG2	8	0.16
(1,202)	1:44:A:GLU:H	1:44:A:GLU:HG2	9	0.16
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG11	10	0.16
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG12	10	0.16
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG13	10	0.16
(1,131)	1:108:A:ARG:H	1:108:A:ARG:HD2	4	0.16
(1,131)	1:108:A:ARG:H	1:108:A:ARG:HD2	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,71)	1:8:A:PRO:HG3	1:41:A:GLY:HA3	16	0.16
(1,2521)	1:53:A:LEU:HB3	1:57:A:TYR:HE1	1	0.15
(1,2521)	1:53:A:LEU:HB3	1:57:A:TYR:HE2	1	0.15
(1,2463)	1:20:A:PHE:HD1	1:58:A:VAL:HG11	14	0.15
(1,2463)	1:20:A:PHE:HD1	1:58:A:VAL:HG12	14	0.15
(1,2463)	1:20:A:PHE:HD1	1:58:A:VAL:HG13	14	0.15
(1,2463)	1:20:A:PHE:HD2	1:58:A:VAL:HG11	14	0.15
(1,2463)	1:20:A:PHE:HD2	1:58:A:VAL:HG12	14	0.15
(1,2463)	1:20:A:PHE:HD2	1:58:A:VAL:HG13	14	0.15
(1,2347)	1:23:A:SER:H	1:23:A:SER:HB3	5	0.15
(1,2327)	1:49:A:VAL:HG11	1:52:A:GLN:HE22	8	0.15
(1,2327)	1:49:A:VAL:HG12	1:52:A:GLN:HE22	8	0.15
(1,2327)	1:49:A:VAL:HG13	1:52:A:GLN:HE22	8	0.15
(1,2282)	1:8:A:PRO:HG3	1:41:A:GLY:H	14	0.15
(1,2282)	1:8:A:PRO:HG3	1:41:A:GLY:H	17	0.15
(1,2257)	1:20:A:PHE:HB3	1:28:A:LEU:H	3	0.15
(1,2235)	1:20:A:PHE:H	1:30:A:GLU:HB3	8	0.15
(1,2122)	1:63:A:SER:H	1:63:A:SER:HB3	8	0.15
(1,2005)	1:76:A:GLU:HB3	1:77:A:LEU:H	4	0.15
(1,1942)	1:7:A:LEU:HD11	1:40:A:CYS:H	11	0.15
(1,1942)	1:7:A:LEU:HD12	1:40:A:CYS:H	11	0.15
(1,1942)	1:7:A:LEU:HD13	1:40:A:CYS:H	11	0.15
(1,1537)	1:59:A:PHE:HA	1:60:A:ILE:HG13	1	0.15
(1,1468)	1:31:A:ALA:HB1	1:34:A:HIS:HB2	11	0.15
(1,1468)	1:31:A:ALA:HB1	1:34:A:HIS:HB3	11	0.15
(1,1468)	1:31:A:ALA:HB2	1:34:A:HIS:HB2	11	0.15
(1,1468)	1:31:A:ALA:HB2	1:34:A:HIS:HB3	11	0.15
(1,1468)	1:31:A:ALA:HB3	1:34:A:HIS:HB2	11	0.15
(1,1468)	1:31:A:ALA:HB3	1:34:A:HIS:HB3	11	0.15
(1,1464)	1:42:A:LEU:HD11	1:44:A:GLU:HA	13	0.15
(1,1464)	1:42:A:LEU:HD12	1:44:A:GLU:HA	13	0.15
(1,1464)	1:42:A:LEU:HD13	1:44:A:GLU:HA	13	0.15
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD11	13	0.15
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD12	13	0.15
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD13	13	0.15
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD11	13	0.15
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD12	13	0.15
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD13	13	0.15
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD11	13	0.15
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD12	13	0.15
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD13	13	0.15
(1,1370)	1:12:A:VAL:HG11	1:13:A:ARG:HB2	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1370)	1:12:A:VAL:HG12	1:13:A:ARG:HB2	8	0.15
(1,1370)	1:12:A:VAL:HG13	1:13:A:ARG:HB2	8	0.15
(1,1349)	1:62:A:ARG:HG3	1:75:A:VAL:HA	9	0.15
(1,1349)	1:62:A:ARG:HG3	1:75:A:VAL:HA	13	0.15
(1,1344)	1:102:A:GLU:HA	1:102:A:GLU:HG3	19	0.15
(1,1287)	1:34:A:HIS:HA	1:37:A:ASN:HB3	15	0.15
(1,1151)	1:10:A:LEU:HD21	1:41:A:GLY:HA2	15	0.15
(1,1151)	1:10:A:LEU:HD22	1:41:A:GLY:HA2	15	0.15
(1,1151)	1:10:A:LEU:HD23	1:41:A:GLY:HA2	15	0.15
(1,994)	1:15:A:VAL:HG21	1:97:A:VAL:HB	18	0.15
(1,994)	1:15:A:VAL:HG22	1:97:A:VAL:HB	18	0.15
(1,994)	1:15:A:VAL:HG23	1:97:A:VAL:HB	18	0.15
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG11	5	0.15
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG12	5	0.15
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG13	5	0.15
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG11	6	0.15
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG12	6	0.15
(1,953)	1:49:A:VAL:H	1:49:A:VAL:HG13	6	0.15
(1,890)	1:7:A:LEU:HD11	1:8:A:PRO:HD2	14	0.15
(1,890)	1:7:A:LEU:HD12	1:8:A:PRO:HD2	14	0.15
(1,890)	1:7:A:LEU:HD13	1:8:A:PRO:HD2	14	0.15
(1,868)	1:36:A:LYS:H	1:36:A:LYS:HG2	18	0.15
(1,858)	1:40:A:CYS:HB3	1:98:A:PRO:HA	6	0.15
(1,858)	1:40:A:CYS:HB3	1:98:A:PRO:HA	14	0.15
(1,814)	1:15:A:VAL:HA	1:102:A:GLU:HG2	11	0.15
(1,763)	1:3:A:VAL:HG11	1:112:A:LEU:HD11	1	0.15
(1,763)	1:3:A:VAL:HG11	1:112:A:LEU:HD12	1	0.15
(1,763)	1:3:A:VAL:HG11	1:112:A:LEU:HD13	1	0.15
(1,763)	1:3:A:VAL:HG12	1:112:A:LEU:HD11	1	0.15
(1,763)	1:3:A:VAL:HG12	1:112:A:LEU:HD12	1	0.15
(1,763)	1:3:A:VAL:HG12	1:112:A:LEU:HD13	1	0.15
(1,763)	1:3:A:VAL:HG13	1:112:A:LEU:HD11	1	0.15
(1,763)	1:3:A:VAL:HG13	1:112:A:LEU:HD12	1	0.15
(1,763)	1:3:A:VAL:HG13	1:112:A:LEU:HD13	1	0.15
(1,763)	1:3:A:VAL:HG21	1:112:A:LEU:HD11	1	0.15
(1,763)	1:3:A:VAL:HG21	1:112:A:LEU:HD12	1	0.15
(1,763)	1:3:A:VAL:HG21	1:112:A:LEU:HD13	1	0.15
(1,763)	1:3:A:VAL:HG22	1:112:A:LEU:HD11	1	0.15
(1,763)	1:3:A:VAL:HG22	1:112:A:LEU:HD12	1	0.15
(1,763)	1:3:A:VAL:HG22	1:112:A:LEU:HD13	1	0.15
(1,763)	1:3:A:VAL:HG23	1:112:A:LEU:HD11	1	0.15
(1,763)	1:3:A:VAL:HG23	1:112:A:LEU:HD12	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,763)	1:3:A:VAL:HG23	1:112:A:LEU:HD13	1	0.15
(1,640)	1:23:A:SER:HB2	1:24:A:VAL:H	10	0.15
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG21	2	0.15
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG22	2	0.15
(1,575)	1:11:A:GLN:HB3	1:105:A:ILE:HG23	2	0.15
(1,463)	1:51:A:PRO:HB3	1:52:A:GLN:H	2	0.15
(1,408)	1:8:A:PRO:HB3	1:104:A:PRO:HB2	6	0.15
(1,317)	1:33:A:GLU:HG3	1:34:A:HIS:H	8	0.15
(1,255)	1:20:A:PHE:HB2	1:30:A:GLU:HG2	3	0.15
(1,225)	1:100:A:VAL:HG11	1:102:A:GLU:HG3	18	0.15
(1,225)	1:100:A:VAL:HG12	1:102:A:GLU:HG3	18	0.15
(1,225)	1:100:A:VAL:HG13	1:102:A:GLU:HG3	18	0.15
(1,211)	1:43:A:VAL:HG11	1:44:A:GLU:HG2	12	0.15
(1,211)	1:43:A:VAL:HG12	1:44:A:GLU:HG2	12	0.15
(1,211)	1:43:A:VAL:HG13	1:44:A:GLU:HG2	12	0.15
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG11	13	0.15
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG12	13	0.15
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG13	13	0.15
(1,145)	1:65:A:ALA:HA	1:66:A:LEU:HB2	5	0.15
(1,145)	1:65:A:ALA:HA	1:66:A:LEU:HB2	20	0.15
(1,2506)	1:70:A:HIS:HB2	1:70:A:HIS:HD2	19	0.14
(1,2347)	1:23:A:SER:H	1:23:A:SER:HB3	7	0.14
(1,2312)	1:114:A:LYS:HA	1:115:A:ASN:HD22	9	0.14
(1,2282)	1:8:A:PRO:HG3	1:41:A:GLY:H	6	0.14
(1,2212)	1:11:A:GLN:HG2	1:14:A:ASP:H	18	0.14
(1,2171)	1:54:A:GLU:H	1:54:A:GLU:HB3	19	0.14
(1,2113)	1:66:A:LEU:H	1:66:A:LEU:HB2	7	0.14
(1,2005)	1:76:A:GLU:HB3	1:77:A:LEU:H	1	0.14
(1,1995)	1:10:A:LEU:HB2	1:11:A:GLN:H	12	0.14
(1,1813)	1:2:A:HIS:HB2	1:114:A:LYS:H	5	0.14
(1,1744)	1:49:A:VAL:HB	1:51:A:PRO:HD3	19	0.14
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG11	10	0.14
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG12	10	0.14
(1,1616)	1:27:A:ALA:HA	1:58:A:VAL:HG13	10	0.14
(1,1549)	1:82:A:ASP:HB3	1:84:A:ILE:HG21	14	0.14
(1,1549)	1:82:A:ASP:HB3	1:84:A:ILE:HG22	14	0.14
(1,1549)	1:82:A:ASP:HB3	1:84:A:ILE:HG23	14	0.14
(1,1476)	1:18:A:ARG:HA	1:18:A:ARG:HG2	14	0.14
(1,1450)	1:60:A:ILE:HG21	1:92:A:THR:HG21	14	0.14
(1,1450)	1:60:A:ILE:HG21	1:92:A:THR:HG22	14	0.14
(1,1450)	1:60:A:ILE:HG21	1:92:A:THR:HG23	14	0.14
(1,1450)	1:60:A:ILE:HG22	1:92:A:THR:HG21	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1450)	1:60:A:ILE:HG22	1:92:A:THR:HG22	14	0.14
(1,1450)	1:60:A:ILE:HG22	1:92:A:THR:HG23	14	0.14
(1,1450)	1:60:A:ILE:HG23	1:92:A:THR:HG21	14	0.14
(1,1450)	1:60:A:ILE:HG23	1:92:A:THR:HG22	14	0.14
(1,1450)	1:60:A:ILE:HG23	1:92:A:THR:HG23	14	0.14
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD11	2	0.14
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD12	2	0.14
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD13	2	0.14
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD11	2	0.14
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD12	2	0.14
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD13	2	0.14
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD11	2	0.14
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD12	2	0.14
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD13	2	0.14
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD11	6	0.14
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD12	6	0.14
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD13	6	0.14
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD11	6	0.14
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD12	6	0.14
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD13	6	0.14
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD11	6	0.14
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD12	6	0.14
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD13	6	0.14
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD11	18	0.14
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD12	18	0.14
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD13	18	0.14
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD11	18	0.14
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD12	18	0.14
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD13	18	0.14
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD11	18	0.14
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD12	18	0.14
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD13	18	0.14
(1,1392)	1:65:A:ALA:HB1	1:66:A:LEU:HD21	2	0.14
(1,1392)	1:65:A:ALA:HB1	1:66:A:LEU:HD22	2	0.14
(1,1392)	1:65:A:ALA:HB1	1:66:A:LEU:HD23	2	0.14
(1,1392)	1:65:A:ALA:HB2	1:66:A:LEU:HD21	2	0.14
(1,1392)	1:65:A:ALA:HB2	1:66:A:LEU:HD22	2	0.14
(1,1392)	1:65:A:ALA:HB2	1:66:A:LEU:HD23	2	0.14
(1,1392)	1:65:A:ALA:HB3	1:66:A:LEU:HD21	2	0.14
(1,1392)	1:65:A:ALA:HB3	1:66:A:LEU:HD22	2	0.14
(1,1392)	1:65:A:ALA:HB3	1:66:A:LEU:HD23	2	0.14
(1,1344)	1:102:A:GLU:HA	1:102:A:GLU:HG3	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG11	10	0.14
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG12	10	0.14
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG13	10	0.14
(1,1207)	1:9:A:VAL:HG11	1:44:A:GLU:HG2	7	0.14
(1,1207)	1:9:A:VAL:HG12	1:44:A:GLU:HG2	7	0.14
(1,1207)	1:9:A:VAL:HG13	1:44:A:GLU:HG2	7	0.14
(1,1200)	1:58:A:VAL:HG11	1:79:A:ALA:HA	15	0.14
(1,1200)	1:58:A:VAL:HG12	1:79:A:ALA:HA	15	0.14
(1,1200)	1:58:A:VAL:HG13	1:79:A:ALA:HA	15	0.14
(1,1067)	1:12:A:VAL:HG21	1:53:A:LEU:HD11	18	0.14
(1,1067)	1:12:A:VAL:HG21	1:53:A:LEU:HD12	18	0.14
(1,1067)	1:12:A:VAL:HG21	1:53:A:LEU:HD13	18	0.14
(1,1067)	1:12:A:VAL:HG22	1:53:A:LEU:HD11	18	0.14
(1,1067)	1:12:A:VAL:HG22	1:53:A:LEU:HD12	18	0.14
(1,1067)	1:12:A:VAL:HG22	1:53:A:LEU:HD13	18	0.14
(1,1067)	1:12:A:VAL:HG23	1:53:A:LEU:HD11	18	0.14
(1,1067)	1:12:A:VAL:HG23	1:53:A:LEU:HD12	18	0.14
(1,1067)	1:12:A:VAL:HG23	1:53:A:LEU:HD13	18	0.14
(1,1063)	1:53:A:LEU:HA	1:53:A:LEU:HD11	2	0.14
(1,1063)	1:53:A:LEU:HA	1:53:A:LEU:HD12	2	0.14
(1,1063)	1:53:A:LEU:HA	1:53:A:LEU:HD13	2	0.14
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB1	20	0.14
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB2	20	0.14
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB3	20	0.14
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB1	20	0.14
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB2	20	0.14
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB3	20	0.14
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB1	20	0.14
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB2	20	0.14
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB3	20	0.14
(1,1001)	1:58:A:VAL:HB	1:97:A:VAL:HG11	15	0.14
(1,1001)	1:58:A:VAL:HB	1:97:A:VAL:HG12	15	0.14
(1,1001)	1:58:A:VAL:HB	1:97:A:VAL:HG13	15	0.14
(1,995)	1:15:A:VAL:HG21	1:18:A:ARG:HG3	14	0.14
(1,995)	1:15:A:VAL:HG22	1:18:A:ARG:HG3	14	0.14
(1,995)	1:15:A:VAL:HG23	1:18:A:ARG:HG3	14	0.14
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD21	5	0.14
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD22	5	0.14
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD23	5	0.14
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD21	13	0.14
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD22	13	0.14
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD23	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,895)	1:28:A:LEU:HD21	1:77:A:LEU:HB3	7	0.14
(1,895)	1:28:A:LEU:HD22	1:77:A:LEU:HB3	7	0.14
(1,895)	1:28:A:LEU:HD23	1:77:A:LEU:HB3	7	0.14
(1,888)	1:7:A:LEU:HD11	1:40:A:CYS:HA	18	0.14
(1,888)	1:7:A:LEU:HD12	1:40:A:CYS:HA	18	0.14
(1,888)	1:7:A:LEU:HD13	1:40:A:CYS:HA	18	0.14
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD11	2	0.14
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD12	2	0.14
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD13	2	0.14
(1,872)	1:36:A:LYS:HG3	1:37:A:ASN:H	16	0.14
(1,862)	1:6:A:SER:HB2	1:107:A:TYR:HB2	11	0.14
(1,862)	1:6:A:SER:HB2	1:107:A:TYR:HB3	11	0.14
(1,815)	1:63:A:SER:HB3	1:75:A:VAL:HA	12	0.14
(1,815)	1:63:A:SER:HB3	1:75:A:VAL:HA	18	0.14
(1,781)	1:93:A:LEU:HD11	1:94:A:GLY:H	1	0.14
(1,781)	1:93:A:LEU:HD12	1:94:A:GLY:H	1	0.14
(1,781)	1:93:A:LEU:HD13	1:94:A:GLY:H	1	0.14
(1,743)	1:50:A:LEU:HG	1:51:A:PRO:HD2	12	0.14
(1,557)	1:36:A:LYS:HB3	1:36:A:LYS:HD3	2	0.14
(1,513)	1:30:A:GLU:HB2	1:33:A:GLU:H	3	0.14
(1,513)	1:30:A:GLU:HB2	1:33:A:GLU:H	19	0.14
(1,513)	1:30:A:GLU:HB2	1:33:A:GLU:H	20	0.14
(1,499)	1:34:A:HIS:HA	1:40:A:CYS:HB3	13	0.14
(1,497)	1:7:A:LEU:HD11	1:40:A:CYS:HB3	14	0.14
(1,497)	1:7:A:LEU:HD12	1:40:A:CYS:HB3	14	0.14
(1,497)	1:7:A:LEU:HD13	1:40:A:CYS:HB3	14	0.14
(1,463)	1:51:A:PRO:HB3	1:52:A:GLN:H	7	0.14
(1,318)	1:33:A:GLU:HG3	1:37:A:ASN:HD21	5	0.14
(1,318)	1:33:A:GLU:HG3	1:37:A:ASN:HD22	5	0.14
(1,297)	1:56:A:PRO:HB3	1:80:A:GLU:H	1	0.14
(1,211)	1:43:A:VAL:HG11	1:44:A:GLU:HG2	15	0.14
(1,211)	1:43:A:VAL:HG12	1:44:A:GLU:HG2	15	0.14
(1,211)	1:43:A:VAL:HG13	1:44:A:GLU:HG2	15	0.14
(1,204)	1:43:A:VAL:HA	1:44:A:GLU:HG2	10	0.14
(1,202)	1:44:A:GLU:H	1:44:A:GLU:HG2	13	0.14
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG11	2	0.14
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG12	2	0.14
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG13	2	0.14
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG11	3	0.14
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG12	3	0.14
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG13	3	0.14
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG11	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG12	5	0.14
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG13	5	0.14
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG11	6	0.14
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG12	6	0.14
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG13	6	0.14
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG11	8	0.14
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG12	8	0.14
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG13	8	0.14
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG11	16	0.14
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG12	16	0.14
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG13	16	0.14
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG11	18	0.14
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG12	18	0.14
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG13	18	0.14
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG11	19	0.14
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG12	19	0.14
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG13	19	0.14
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG11	20	0.14
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG12	20	0.14
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG13	20	0.14
(1,136)	1:108:A:ARG:HB2	1:108:A:ARG:HD3	5	0.14
(1,132)	1:108:A:ARG:HA	1:108:A:ARG:HD2	18	0.14
(1,105)	1:18:A:ARG:HD3	1:53:A:LEU:HA	2	0.14
(1,105)	1:18:A:ARG:HD3	1:53:A:LEU:HA	10	0.14
(1,90)	1:32:A:ARG:HA	1:32:A:ARG:HD3	8	0.14
(1,82)	1:7:A:LEU:HD11	1:41:A:GLY:HA3	6	0.14
(1,82)	1:7:A:LEU:HD12	1:41:A:GLY:HA3	6	0.14
(1,82)	1:7:A:LEU:HD13	1:41:A:GLY:HA3	6	0.14
(1,71)	1:8:A:PRO:HG3	1:41:A:GLY:HA3	15	0.14
(1,71)	1:8:A:PRO:HG3	1:41:A:GLY:HA3	17	0.14
(1,52)	1:42:A:LEU:HD21	1:94:A:GLY:HA2	17	0.14
(1,52)	1:42:A:LEU:HD22	1:94:A:GLY:HA2	17	0.14
(1,52)	1:42:A:LEU:HD23	1:94:A:GLY:HA2	17	0.14
(1,2527)	1:61:A:LYS:HD2	1:86:A:TYR:HE1	9	0.13
(1,2527)	1:61:A:LYS:HD2	1:86:A:TYR:HE2	9	0.13
(1,2527)	1:61:A:LYS:HD3	1:86:A:TYR:HE1	9	0.13
(1,2527)	1:61:A:LYS:HD3	1:86:A:TYR:HE2	9	0.13
(1,2527)	1:61:A:LYS:HD2	1:86:A:TYR:HE1	16	0.13
(1,2527)	1:61:A:LYS:HD2	1:86:A:TYR:HE2	16	0.13
(1,2527)	1:61:A:LYS:HD3	1:86:A:TYR:HE1	16	0.13
(1,2527)	1:61:A:LYS:HD3	1:86:A:TYR:HE2	16	0.13
(1,2458)	1:20:A:PHE:HD1	1:98:A:PRO:HD2	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2458)	1:20:A:PHE:HD2	1:98:A:PRO:HD2	11	0.13
(1,2347)	1:23:A:SER:H	1:23:A:SER:HB3	15	0.13
(1,2327)	1:49:A:VAL:HG11	1:52:A:GLN:HE22	9	0.13
(1,2327)	1:49:A:VAL:HG12	1:52:A:GLN:HE22	9	0.13
(1,2327)	1:49:A:VAL:HG13	1:52:A:GLN:HE22	9	0.13
(1,2282)	1:8:A:PRO:HG3	1:41:A:GLY:H	1	0.13
(1,2224)	1:18:A:ARG:HE	1:53:A:LEU:HD11	16	0.13
(1,2224)	1:18:A:ARG:HE	1:53:A:LEU:HD12	16	0.13
(1,2224)	1:18:A:ARG:HE	1:53:A:LEU:HD13	16	0.13
(1,2171)	1:54:A:GLU:H	1:54:A:GLU:HB3	10	0.13
(1,2097)	1:3:A:VAL:H	1:112:A:LEU:HB2	3	0.13
(1,2097)	1:3:A:VAL:H	1:112:A:LEU:HB2	18	0.13
(1,2070)	1:8:A:PRO:HG3	1:42:A:LEU:H	19	0.13
(1,2005)	1:76:A:GLU:HB3	1:77:A:LEU:H	9	0.13
(1,2000)	1:20:A:PHE:HB2	1:30:A:GLU:H	1	0.13
(1,2000)	1:20:A:PHE:HB2	1:30:A:GLU:H	5	0.13
(1,1995)	1:10:A:LEU:HB2	1:11:A:GLN:H	7	0.13
(1,1961)	1:45:A:LEU:H	1:45:A:LEU:HB3	3	0.13
(1,1942)	1:7:A:LEU:HD11	1:40:A:CYS:H	12	0.13
(1,1942)	1:7:A:LEU:HD12	1:40:A:CYS:H	12	0.13
(1,1942)	1:7:A:LEU:HD13	1:40:A:CYS:H	12	0.13
(1,1860)	1:61:A:LYS:H	1:76:A:GLU:HB2	13	0.13
(1,1782)	1:5:A:LEU:H	1:112:A:LEU:HB3	5	0.13
(1,1693)	1:103:A:THR:HG21	1:105:A:ILE:HD11	7	0.13
(1,1693)	1:103:A:THR:HG21	1:105:A:ILE:HD12	7	0.13
(1,1693)	1:103:A:THR:HG21	1:105:A:ILE:HD13	7	0.13
(1,1693)	1:103:A:THR:HG22	1:105:A:ILE:HD11	7	0.13
(1,1693)	1:103:A:THR:HG22	1:105:A:ILE:HD12	7	0.13
(1,1693)	1:103:A:THR:HG22	1:105:A:ILE:HD13	7	0.13
(1,1693)	1:103:A:THR:HG23	1:105:A:ILE:HD11	7	0.13
(1,1693)	1:103:A:THR:HG23	1:105:A:ILE:HD12	7	0.13
(1,1693)	1:103:A:THR:HG23	1:105:A:ILE:HD13	7	0.13
(1,1693)	1:103:A:THR:HG21	1:105:A:ILE:HD11	20	0.13
(1,1693)	1:103:A:THR:HG21	1:105:A:ILE:HD12	20	0.13
(1,1693)	1:103:A:THR:HG21	1:105:A:ILE:HD13	20	0.13
(1,1693)	1:103:A:THR:HG22	1:105:A:ILE:HD11	20	0.13
(1,1693)	1:103:A:THR:HG22	1:105:A:ILE:HD12	20	0.13
(1,1693)	1:103:A:THR:HG22	1:105:A:ILE:HD13	20	0.13
(1,1693)	1:103:A:THR:HG23	1:105:A:ILE:HD11	20	0.13
(1,1693)	1:103:A:THR:HG23	1:105:A:ILE:HD12	20	0.13
(1,1693)	1:103:A:THR:HG23	1:105:A:ILE:HD13	20	0.13
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG21	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG22	5	0.13
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG23	5	0.13
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG21	5	0.13
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG22	5	0.13
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG23	5	0.13
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG21	5	0.13
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG22	5	0.13
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG23	5	0.13
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG21	6	0.13
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG22	6	0.13
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG23	6	0.13
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG21	6	0.13
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG22	6	0.13
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG23	6	0.13
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG21	6	0.13
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG22	6	0.13
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG23	6	0.13
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG21	15	0.13
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG22	15	0.13
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG23	15	0.13
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG21	15	0.13
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG22	15	0.13
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG23	15	0.13
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG21	15	0.13
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG22	15	0.13
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG23	15	0.13
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG21	20	0.13
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG22	20	0.13
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG23	20	0.13
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG21	20	0.13
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG22	20	0.13
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG23	20	0.13
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG21	20	0.13
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG22	20	0.13
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG23	20	0.13
(1,1599)	1:21:A:GLY:HA2	1:22:A:ASP:HA	12	0.13
(1,1544)	1:3:A:VAL:HG11	1:114:A:LYS:HA	17	0.13
(1,1544)	1:3:A:VAL:HG12	1:114:A:LYS:HA	17	0.13
(1,1544)	1:3:A:VAL:HG13	1:114:A:LYS:HA	17	0.13
(1,1544)	1:3:A:VAL:HG21	1:114:A:LYS:HA	17	0.13
(1,1544)	1:3:A:VAL:HG22	1:114:A:LYS:HA	17	0.13
(1,1544)	1:3:A:VAL:HG23	1:114:A:LYS:HA	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1482)	1:61:A:LYS:HE2	1:91:A:ILE:HG21	1	0.13
(1,1482)	1:61:A:LYS:HE2	1:91:A:ILE:HG22	1	0.13
(1,1482)	1:61:A:LYS:HE2	1:91:A:ILE:HG23	1	0.13
(1,1482)	1:61:A:LYS:HE3	1:91:A:ILE:HG21	1	0.13
(1,1482)	1:61:A:LYS:HE3	1:91:A:ILE:HG22	1	0.13
(1,1482)	1:61:A:LYS:HE3	1:91:A:ILE:HG23	1	0.13
(1,1482)	1:61:A:LYS:HE2	1:91:A:ILE:HG21	10	0.13
(1,1482)	1:61:A:LYS:HE2	1:91:A:ILE:HG22	10	0.13
(1,1482)	1:61:A:LYS:HE2	1:91:A:ILE:HG23	10	0.13
(1,1482)	1:61:A:LYS:HE3	1:91:A:ILE:HG21	10	0.13
(1,1482)	1:61:A:LYS:HE3	1:91:A:ILE:HG22	10	0.13
(1,1482)	1:61:A:LYS:HE3	1:91:A:ILE:HG23	10	0.13
(1,1450)	1:60:A:ILE:HG21	1:92:A:THR:HG21	1	0.13
(1,1450)	1:60:A:ILE:HG21	1:92:A:THR:HG22	1	0.13
(1,1450)	1:60:A:ILE:HG21	1:92:A:THR:HG23	1	0.13
(1,1450)	1:60:A:ILE:HG22	1:92:A:THR:HG21	1	0.13
(1,1450)	1:60:A:ILE:HG22	1:92:A:THR:HG22	1	0.13
(1,1450)	1:60:A:ILE:HG22	1:92:A:THR:HG23	1	0.13
(1,1450)	1:60:A:ILE:HG23	1:92:A:THR:HG21	1	0.13
(1,1450)	1:60:A:ILE:HG23	1:92:A:THR:HG22	1	0.13
(1,1450)	1:60:A:ILE:HG23	1:92:A:THR:HG23	1	0.13
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD11	5	0.13
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD12	5	0.13
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD13	5	0.13
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD11	5	0.13
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD12	5	0.13
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD13	5	0.13
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD11	5	0.13
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD12	5	0.13
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD13	5	0.13
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD11	11	0.13
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD12	11	0.13
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD13	11	0.13
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD11	11	0.13
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD12	11	0.13
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD13	11	0.13
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD11	11	0.13
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD12	11	0.13
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD13	11	0.13
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD11	16	0.13
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD12	16	0.13
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD13	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD11	16	0.13
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD12	16	0.13
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD13	16	0.13
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD11	16	0.13
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD12	16	0.13
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD13	16	0.13
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD11	19	0.13
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD12	19	0.13
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD13	19	0.13
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD11	19	0.13
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD12	19	0.13
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD13	19	0.13
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD11	19	0.13
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD12	19	0.13
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD13	19	0.13
(1,1395)	1:65:A:ALA:HB1	1:66:A:LEU:HG	15	0.13
(1,1395)	1:65:A:ALA:HB2	1:66:A:LEU:HG	15	0.13
(1,1395)	1:65:A:ALA:HB3	1:66:A:LEU:HG	15	0.13
(1,1356)	1:12:A:VAL:HG11	1:13:A:ARG:HD2	14	0.13
(1,1356)	1:12:A:VAL:HG11	1:13:A:ARG:HD3	14	0.13
(1,1356)	1:12:A:VAL:HG12	1:13:A:ARG:HD2	14	0.13
(1,1356)	1:12:A:VAL:HG12	1:13:A:ARG:HD3	14	0.13
(1,1356)	1:12:A:VAL:HG13	1:13:A:ARG:HD2	14	0.13
(1,1356)	1:12:A:VAL:HG13	1:13:A:ARG:HD3	14	0.13
(1,1356)	1:12:A:VAL:HG11	1:13:A:ARG:HD2	17	0.13
(1,1356)	1:12:A:VAL:HG11	1:13:A:ARG:HD3	17	0.13
(1,1356)	1:12:A:VAL:HG12	1:13:A:ARG:HD2	17	0.13
(1,1356)	1:12:A:VAL:HG12	1:13:A:ARG:HD3	17	0.13
(1,1356)	1:12:A:VAL:HG13	1:13:A:ARG:HD2	17	0.13
(1,1356)	1:12:A:VAL:HG13	1:13:A:ARG:HD3	17	0.13
(1,1327)	1:59:A:PHE:HD1	1:78:A:VAL:HG21	11	0.13
(1,1327)	1:59:A:PHE:HD1	1:78:A:VAL:HG22	11	0.13
(1,1327)	1:59:A:PHE:HD1	1:78:A:VAL:HG23	11	0.13
(1,1327)	1:59:A:PHE:HD2	1:78:A:VAL:HG21	11	0.13
(1,1327)	1:59:A:PHE:HD2	1:78:A:VAL:HG22	11	0.13
(1,1327)	1:59:A:PHE:HD2	1:78:A:VAL:HG23	11	0.13
(1,1327)	1:59:A:PHE:HD1	1:78:A:VAL:HG21	17	0.13
(1,1327)	1:59:A:PHE:HD1	1:78:A:VAL:HG22	17	0.13
(1,1327)	1:59:A:PHE:HD1	1:78:A:VAL:HG23	17	0.13
(1,1327)	1:59:A:PHE:HD2	1:78:A:VAL:HG21	17	0.13
(1,1327)	1:59:A:PHE:HD2	1:78:A:VAL:HG22	17	0.13
(1,1327)	1:59:A:PHE:HD2	1:78:A:VAL:HG23	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1259)	1:49:A:VAL:HG21	1:50:A:LEU:H	11	0.13
(1,1259)	1:49:A:VAL:HG22	1:50:A:LEU:H	11	0.13
(1,1259)	1:49:A:VAL:HG23	1:50:A:LEU:H	11	0.13
(1,1259)	1:49:A:VAL:HG21	1:50:A:LEU:H	20	0.13
(1,1259)	1:49:A:VAL:HG22	1:50:A:LEU:H	20	0.13
(1,1259)	1:49:A:VAL:HG23	1:50:A:LEU:H	20	0.13
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG11	4	0.13
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG12	4	0.13
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG13	4	0.13
(1,1189)	1:9:A:VAL:HG21	1:44:A:GLU:HG2	16	0.13
(1,1189)	1:9:A:VAL:HG22	1:44:A:GLU:HG2	16	0.13
(1,1189)	1:9:A:VAL:HG23	1:44:A:GLU:HG2	16	0.13
(1,1169)	1:74:A:VAL:HG21	1:113:A:ARG:HD2	4	0.13
(1,1169)	1:74:A:VAL:HG21	1:113:A:ARG:HD3	4	0.13
(1,1169)	1:74:A:VAL:HG22	1:113:A:ARG:HD2	4	0.13
(1,1169)	1:74:A:VAL:HG22	1:113:A:ARG:HD3	4	0.13
(1,1169)	1:74:A:VAL:HG23	1:113:A:ARG:HD2	4	0.13
(1,1169)	1:74:A:VAL:HG23	1:113:A:ARG:HD3	4	0.13
(1,1076)	1:58:A:VAL:HG21	1:79:A:ALA:H	1	0.13
(1,1076)	1:58:A:VAL:HG22	1:79:A:ALA:H	1	0.13
(1,1076)	1:58:A:VAL:HG23	1:79:A:ALA:H	1	0.13
(1,1067)	1:12:A:VAL:HG21	1:53:A:LEU:HD11	8	0.13
(1,1067)	1:12:A:VAL:HG21	1:53:A:LEU:HD12	8	0.13
(1,1067)	1:12:A:VAL:HG21	1:53:A:LEU:HD13	8	0.13
(1,1067)	1:12:A:VAL:HG22	1:53:A:LEU:HD11	8	0.13
(1,1067)	1:12:A:VAL:HG22	1:53:A:LEU:HD12	8	0.13
(1,1067)	1:12:A:VAL:HG22	1:53:A:LEU:HD13	8	0.13
(1,1067)	1:12:A:VAL:HG23	1:53:A:LEU:HD11	8	0.13
(1,1067)	1:12:A:VAL:HG23	1:53:A:LEU:HD12	8	0.13
(1,1067)	1:12:A:VAL:HG23	1:53:A:LEU:HD13	8	0.13
(1,1067)	1:12:A:VAL:HG21	1:53:A:LEU:HD11	15	0.13
(1,1067)	1:12:A:VAL:HG21	1:53:A:LEU:HD12	15	0.13
(1,1067)	1:12:A:VAL:HG21	1:53:A:LEU:HD13	15	0.13
(1,1067)	1:12:A:VAL:HG22	1:53:A:LEU:HD11	15	0.13
(1,1067)	1:12:A:VAL:HG22	1:53:A:LEU:HD12	15	0.13
(1,1067)	1:12:A:VAL:HG22	1:53:A:LEU:HD13	15	0.13
(1,1067)	1:12:A:VAL:HG23	1:53:A:LEU:HD11	15	0.13
(1,1067)	1:12:A:VAL:HG23	1:53:A:LEU:HD12	15	0.13
(1,1067)	1:12:A:VAL:HG23	1:53:A:LEU:HD13	15	0.13
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB1	15	0.13
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB2	15	0.13
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB3	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB1	15	0.13
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB2	15	0.13
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB3	15	0.13
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB1	15	0.13
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB2	15	0.13
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB3	15	0.13
(1,964)	1:16:A:LEU:HA	1:16:A:LEU:HD21	13	0.13
(1,964)	1:16:A:LEU:HA	1:16:A:LEU:HD22	13	0.13
(1,964)	1:16:A:LEU:HA	1:16:A:LEU:HD23	13	0.13
(1,890)	1:7:A:LEU:HD11	1:8:A:PRO:HD2	9	0.13
(1,890)	1:7:A:LEU:HD12	1:8:A:PRO:HD2	9	0.13
(1,890)	1:7:A:LEU:HD13	1:8:A:PRO:HD2	9	0.13
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD11	11	0.13
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD12	11	0.13
(1,885)	1:6:A:SER:H	1:7:A:LEU:HD13	11	0.13
(1,837)	1:42:A:LEU:HD21	1:60:A:ILE:HD11	6	0.13
(1,837)	1:42:A:LEU:HD21	1:60:A:ILE:HD12	6	0.13
(1,837)	1:42:A:LEU:HD21	1:60:A:ILE:HD13	6	0.13
(1,837)	1:42:A:LEU:HD22	1:60:A:ILE:HD11	6	0.13
(1,837)	1:42:A:LEU:HD22	1:60:A:ILE:HD12	6	0.13
(1,837)	1:42:A:LEU:HD22	1:60:A:ILE:HD13	6	0.13
(1,837)	1:42:A:LEU:HD23	1:60:A:ILE:HD11	6	0.13
(1,837)	1:42:A:LEU:HD23	1:60:A:ILE:HD12	6	0.13
(1,837)	1:42:A:LEU:HD23	1:60:A:ILE:HD13	6	0.13
(1,815)	1:63:A:SER:HB3	1:75:A:VAL:HA	7	0.13
(1,778)	1:10:A:LEU:HD11	1:102:A:GLU:HB3	7	0.13
(1,778)	1:10:A:LEU:HD12	1:102:A:GLU:HB3	7	0.13
(1,778)	1:10:A:LEU:HD13	1:102:A:GLU:HB3	7	0.13
(1,740)	1:12:A:VAL:HG11	1:53:A:LEU:HD21	14	0.13
(1,740)	1:12:A:VAL:HG11	1:53:A:LEU:HD22	14	0.13
(1,740)	1:12:A:VAL:HG11	1:53:A:LEU:HD23	14	0.13
(1,740)	1:12:A:VAL:HG12	1:53:A:LEU:HD21	14	0.13
(1,740)	1:12:A:VAL:HG12	1:53:A:LEU:HD22	14	0.13
(1,740)	1:12:A:VAL:HG12	1:53:A:LEU:HD23	14	0.13
(1,740)	1:12:A:VAL:HG13	1:53:A:LEU:HD21	14	0.13
(1,740)	1:12:A:VAL:HG13	1:53:A:LEU:HD22	14	0.13
(1,740)	1:12:A:VAL:HG13	1:53:A:LEU:HD23	14	0.13
(1,682)	1:8:A:PRO:HG3	1:104:A:PRO:HB3	2	0.13
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG11	14	0.13
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG12	14	0.13
(1,662)	1:23:A:SER:HB2	1:24:A:VAL:HG13	14	0.13
(1,609)	1:8:A:PRO:HB2	1:104:A:PRO:HG2	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,574)	1:33:A:GLU:H	1:33:A:GLU:HB3	4	0.13
(1,574)	1:33:A:GLU:H	1:33:A:GLU:HB3	5	0.13
(1,574)	1:33:A:GLU:H	1:33:A:GLU:HB3	8	0.13
(1,567)	1:11:A:GLN:HB3	1:15:A:VAL:H	13	0.13
(1,546)	1:4:A:GLN:HB2	1:5:A:LEU:H	3	0.13
(1,365)	1:55:A:GLN:H	1:55:A:GLN:HG3	10	0.13
(1,360)	1:4:A:GLN:HG2	1:109:A:ASN:HB3	13	0.13
(1,360)	1:4:A:GLN:HG3	1:109:A:ASN:HB3	13	0.13
(1,298)	1:26:A:GLU:HB2	1:56:A:PRO:HB3	1	0.13
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB1	1	0.13
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB2	1	0.13
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB3	1	0.13
(1,231)	1:78:A:VAL:HG21	1:80:A:GLU:HG2	3	0.13
(1,231)	1:78:A:VAL:HG21	1:80:A:GLU:HG3	3	0.13
(1,231)	1:78:A:VAL:HG22	1:80:A:GLU:HG2	3	0.13
(1,231)	1:78:A:VAL:HG22	1:80:A:GLU:HG3	3	0.13
(1,231)	1:78:A:VAL:HG23	1:80:A:GLU:HG2	3	0.13
(1,231)	1:78:A:VAL:HG23	1:80:A:GLU:HG3	3	0.13
(1,231)	1:78:A:VAL:HG21	1:80:A:GLU:HG2	11	0.13
(1,231)	1:78:A:VAL:HG21	1:80:A:GLU:HG3	11	0.13
(1,231)	1:78:A:VAL:HG22	1:80:A:GLU:HG2	11	0.13
(1,231)	1:78:A:VAL:HG22	1:80:A:GLU:HG3	11	0.13
(1,231)	1:78:A:VAL:HG23	1:80:A:GLU:HG2	11	0.13
(1,231)	1:78:A:VAL:HG23	1:80:A:GLU:HG3	11	0.13
(1,211)	1:43:A:VAL:HG11	1:44:A:GLU:HG2	4	0.13
(1,211)	1:43:A:VAL:HG12	1:44:A:GLU:HG2	4	0.13
(1,211)	1:43:A:VAL:HG13	1:44:A:GLU:HG2	4	0.13
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG11	9	0.13
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG12	9	0.13
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG13	9	0.13
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG11	11	0.13
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG12	11	0.13
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG13	11	0.13
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG11	12	0.13
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG12	12	0.13
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG13	12	0.13
(1,136)	1:108:A:ARG:HB2	1:108:A:ARG:HD3	13	0.13
(1,71)	1:8:A:PRO:HG3	1:41:A:GLY:HA3	9	0.13
(1,71)	1:8:A:PRO:HG3	1:41:A:GLY:HA3	19	0.13
(1,5)	1:20:A:PHE:HA	1:98:A:PRO:HD2	11	0.13
(1,2527)	1:61:A:LYS:HD2	1:86:A:TYR:HE1	11	0.12
(1,2527)	1:61:A:LYS:HD2	1:86:A:TYR:HE2	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2527)	1:61:A:LYS:HD3	1:86:A:TYR:HE1	11	0.12
(1,2527)	1:61:A:LYS:HD3	1:86:A:TYR:HE2	11	0.12
(1,2525)	1:61:A:LYS:HE2	1:86:A:TYR:HE1	7	0.12
(1,2525)	1:61:A:LYS:HE2	1:86:A:TYR:HE2	7	0.12
(1,2525)	1:61:A:LYS:HE3	1:86:A:TYR:HE1	7	0.12
(1,2525)	1:61:A:LYS:HE3	1:86:A:TYR:HE2	7	0.12
(1,2470)	1:59:A:PHE:HE1	1:95:A:VAL:HB	8	0.12
(1,2470)	1:59:A:PHE:HE2	1:95:A:VAL:HB	8	0.12
(1,2458)	1:20:A:PHE:HD1	1:98:A:PRO:HD2	3	0.12
(1,2458)	1:20:A:PHE:HD2	1:98:A:PRO:HD2	3	0.12
(1,2445)	1:86:A:TYR:HD1	1:91:A:ILE:HG21	17	0.12
(1,2445)	1:86:A:TYR:HD1	1:91:A:ILE:HG22	17	0.12
(1,2445)	1:86:A:TYR:HD1	1:91:A:ILE:HG23	17	0.12
(1,2445)	1:86:A:TYR:HD2	1:91:A:ILE:HG21	17	0.12
(1,2445)	1:86:A:TYR:HD2	1:91:A:ILE:HG22	17	0.12
(1,2445)	1:86:A:TYR:HD2	1:91:A:ILE:HG23	17	0.12
(1,2440)	1:57:A:TYR:HD1	1:95:A:VAL:HG11	6	0.12
(1,2440)	1:57:A:TYR:HD1	1:95:A:VAL:HG12	6	0.12
(1,2440)	1:57:A:TYR:HD1	1:95:A:VAL:HG13	6	0.12
(1,2440)	1:57:A:TYR:HD2	1:95:A:VAL:HG11	6	0.12
(1,2440)	1:57:A:TYR:HD2	1:95:A:VAL:HG12	6	0.12
(1,2440)	1:57:A:TYR:HD2	1:95:A:VAL:HG13	6	0.12
(1,2428)	1:57:A:TYR:HD1	1:59:A:PHE:HE1	5	0.12
(1,2428)	1:57:A:TYR:HD1	1:59:A:PHE:HE2	5	0.12
(1,2428)	1:57:A:TYR:HD2	1:59:A:PHE:HE1	5	0.12
(1,2428)	1:57:A:TYR:HD2	1:59:A:PHE:HE2	5	0.12
(1,2428)	1:57:A:TYR:HD1	1:59:A:PHE:HE1	15	0.12
(1,2428)	1:57:A:TYR:HD1	1:59:A:PHE:HE2	15	0.12
(1,2428)	1:57:A:TYR:HD2	1:59:A:PHE:HE1	15	0.12
(1,2428)	1:57:A:TYR:HD2	1:59:A:PHE:HE2	15	0.12
(1,2428)	1:57:A:TYR:HD1	1:59:A:PHE:HE1	18	0.12
(1,2428)	1:57:A:TYR:HD1	1:59:A:PHE:HE2	18	0.12
(1,2428)	1:57:A:TYR:HD2	1:59:A:PHE:HE1	18	0.12
(1,2428)	1:57:A:TYR:HD2	1:59:A:PHE:HE2	18	0.12
(1,2419)	1:42:A:LEU:HD21	1:94:A:GLY:H	16	0.12
(1,2419)	1:42:A:LEU:HD22	1:94:A:GLY:H	16	0.12
(1,2419)	1:42:A:LEU:HD23	1:94:A:GLY:H	16	0.12
(1,2417)	1:60:A:ILE:HG21	1:94:A:GLY:H	4	0.12
(1,2417)	1:60:A:ILE:HG22	1:94:A:GLY:H	4	0.12
(1,2417)	1:60:A:ILE:HG23	1:94:A:GLY:H	4	0.12
(1,2416)	1:93:A:LEU:HB3	1:94:A:GLY:H	20	0.12
(1,2373)	1:55:A:GLN:HE22	1:82:A:ASP:HB2	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2352)	1:4:A:GLN:HE22	1:111:A:LEU:HD11	14	0.12
(1,2352)	1:4:A:GLN:HE22	1:111:A:LEU:HD12	14	0.12
(1,2352)	1:4:A:GLN:HE22	1:111:A:LEU:HD13	14	0.12
(1,2282)	1:8:A:PRO:HG3	1:41:A:GLY:H	19	0.12
(1,2171)	1:54:A:GLU:H	1:54:A:GLU:HB3	2	0.12
(1,2113)	1:66:A:LEU:H	1:66:A:LEU:HB2	20	0.12
(1,2081)	1:55:A:GLN:H	1:55:A:GLN:HB3	17	0.12
(1,2070)	1:8:A:PRO:HG3	1:42:A:LEU:H	16	0.12
(1,2005)	1:76:A:GLU:HB3	1:77:A:LEU:H	13	0.12
(1,2005)	1:76:A:GLU:HB3	1:77:A:LEU:H	15	0.12
(1,2005)	1:76:A:GLU:HB3	1:77:A:LEU:H	17	0.12
(1,1813)	1:2:A:HIS:HB2	1:114:A:LYS:H	9	0.12
(1,1729)	1:50:A:LEU:HD11	1:51:A:PRO:HD2	4	0.12
(1,1729)	1:50:A:LEU:HD12	1:51:A:PRO:HD2	4	0.12
(1,1729)	1:50:A:LEU:HD13	1:51:A:PRO:HD2	4	0.12
(1,1693)	1:103:A:THR:HG21	1:105:A:ILE:HD11	1	0.12
(1,1693)	1:103:A:THR:HG21	1:105:A:ILE:HD12	1	0.12
(1,1693)	1:103:A:THR:HG21	1:105:A:ILE:HD13	1	0.12
(1,1693)	1:103:A:THR:HG22	1:105:A:ILE:HD11	1	0.12
(1,1693)	1:103:A:THR:HG22	1:105:A:ILE:HD12	1	0.12
(1,1693)	1:103:A:THR:HG22	1:105:A:ILE:HD13	1	0.12
(1,1693)	1:103:A:THR:HG23	1:105:A:ILE:HD11	1	0.12
(1,1693)	1:103:A:THR:HG23	1:105:A:ILE:HD12	1	0.12
(1,1693)	1:103:A:THR:HG23	1:105:A:ILE:HD13	1	0.12
(1,1693)	1:103:A:THR:HG21	1:105:A:ILE:HD11	5	0.12
(1,1693)	1:103:A:THR:HG21	1:105:A:ILE:HD12	5	0.12
(1,1693)	1:103:A:THR:HG21	1:105:A:ILE:HD13	5	0.12
(1,1693)	1:103:A:THR:HG22	1:105:A:ILE:HD11	5	0.12
(1,1693)	1:103:A:THR:HG22	1:105:A:ILE:HD12	5	0.12
(1,1693)	1:103:A:THR:HG22	1:105:A:ILE:HD13	5	0.12
(1,1693)	1:103:A:THR:HG23	1:105:A:ILE:HD11	5	0.12
(1,1693)	1:103:A:THR:HG23	1:105:A:ILE:HD12	5	0.12
(1,1693)	1:103:A:THR:HG23	1:105:A:ILE:HD13	5	0.12
(1,1693)	1:103:A:THR:HG21	1:105:A:ILE:HD11	10	0.12
(1,1693)	1:103:A:THR:HG21	1:105:A:ILE:HD12	10	0.12
(1,1693)	1:103:A:THR:HG21	1:105:A:ILE:HD13	10	0.12
(1,1693)	1:103:A:THR:HG22	1:105:A:ILE:HD11	10	0.12
(1,1693)	1:103:A:THR:HG22	1:105:A:ILE:HD12	10	0.12
(1,1693)	1:103:A:THR:HG22	1:105:A:ILE:HD13	10	0.12
(1,1693)	1:103:A:THR:HG23	1:105:A:ILE:HD11	10	0.12
(1,1693)	1:103:A:THR:HG23	1:105:A:ILE:HD12	10	0.12
(1,1693)	1:103:A:THR:HG23	1:105:A:ILE:HD13	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1693)	1:103:A:THR:HG21	1:105:A:ILE:HD11	11	0.12
(1,1693)	1:103:A:THR:HG21	1:105:A:ILE:HD12	11	0.12
(1,1693)	1:103:A:THR:HG21	1:105:A:ILE:HD13	11	0.12
(1,1693)	1:103:A:THR:HG22	1:105:A:ILE:HD11	11	0.12
(1,1693)	1:103:A:THR:HG22	1:105:A:ILE:HD12	11	0.12
(1,1693)	1:103:A:THR:HG22	1:105:A:ILE:HD13	11	0.12
(1,1693)	1:103:A:THR:HG23	1:105:A:ILE:HD11	11	0.12
(1,1693)	1:103:A:THR:HG23	1:105:A:ILE:HD12	11	0.12
(1,1693)	1:103:A:THR:HG23	1:105:A:ILE:HD13	11	0.12
(1,1693)	1:103:A:THR:HG21	1:105:A:ILE:HD11	13	0.12
(1,1693)	1:103:A:THR:HG21	1:105:A:ILE:HD12	13	0.12
(1,1693)	1:103:A:THR:HG21	1:105:A:ILE:HD13	13	0.12
(1,1693)	1:103:A:THR:HG22	1:105:A:ILE:HD11	13	0.12
(1,1693)	1:103:A:THR:HG22	1:105:A:ILE:HD12	13	0.12
(1,1693)	1:103:A:THR:HG22	1:105:A:ILE:HD13	13	0.12
(1,1693)	1:103:A:THR:HG23	1:105:A:ILE:HD11	13	0.12
(1,1693)	1:103:A:THR:HG23	1:105:A:ILE:HD12	13	0.12
(1,1693)	1:103:A:THR:HG23	1:105:A:ILE:HD13	13	0.12
(1,1693)	1:103:A:THR:HG21	1:105:A:ILE:HD11	14	0.12
(1,1693)	1:103:A:THR:HG21	1:105:A:ILE:HD12	14	0.12
(1,1693)	1:103:A:THR:HG21	1:105:A:ILE:HD13	14	0.12
(1,1693)	1:103:A:THR:HG22	1:105:A:ILE:HD11	14	0.12
(1,1693)	1:103:A:THR:HG22	1:105:A:ILE:HD12	14	0.12
(1,1693)	1:103:A:THR:HG22	1:105:A:ILE:HD13	14	0.12
(1,1693)	1:103:A:THR:HG23	1:105:A:ILE:HD11	14	0.12
(1,1693)	1:103:A:THR:HG23	1:105:A:ILE:HD12	14	0.12
(1,1693)	1:103:A:THR:HG23	1:105:A:ILE:HD13	14	0.12
(1,1693)	1:103:A:THR:HG21	1:105:A:ILE:HD11	18	0.12
(1,1693)	1:103:A:THR:HG21	1:105:A:ILE:HD12	18	0.12
(1,1693)	1:103:A:THR:HG21	1:105:A:ILE:HD13	18	0.12
(1,1693)	1:103:A:THR:HG22	1:105:A:ILE:HD11	18	0.12
(1,1693)	1:103:A:THR:HG22	1:105:A:ILE:HD12	18	0.12
(1,1693)	1:103:A:THR:HG22	1:105:A:ILE:HD13	18	0.12
(1,1693)	1:103:A:THR:HG23	1:105:A:ILE:HD11	18	0.12
(1,1693)	1:103:A:THR:HG23	1:105:A:ILE:HD12	18	0.12
(1,1693)	1:103:A:THR:HG23	1:105:A:ILE:HD13	18	0.12
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG21	9	0.12
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG22	9	0.12
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG23	9	0.12
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG21	9	0.12
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG22	9	0.12
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG23	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG21	9	0.12
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG22	9	0.12
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG23	9	0.12
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG21	12	0.12
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG22	12	0.12
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG23	12	0.12
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG21	12	0.12
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG22	12	0.12
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG23	12	0.12
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG21	12	0.12
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG22	12	0.12
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG23	12	0.12
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG21	13	0.12
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG22	13	0.12
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG23	13	0.12
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG21	13	0.12
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG22	13	0.12
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG23	13	0.12
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG21	13	0.12
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG22	13	0.12
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG23	13	0.12
(1,1547)	1:84:A:ILE:HG21	1:86:A:TYR:HE1	9	0.12
(1,1547)	1:84:A:ILE:HG21	1:86:A:TYR:HE2	9	0.12
(1,1547)	1:84:A:ILE:HG22	1:86:A:TYR:HE1	9	0.12
(1,1547)	1:84:A:ILE:HG22	1:86:A:TYR:HE2	9	0.12
(1,1547)	1:84:A:ILE:HG23	1:86:A:TYR:HE1	9	0.12
(1,1547)	1:84:A:ILE:HG23	1:86:A:TYR:HE2	9	0.12
(1,1547)	1:84:A:ILE:HG21	1:86:A:TYR:HE1	20	0.12
(1,1547)	1:84:A:ILE:HG21	1:86:A:TYR:HE2	20	0.12
(1,1547)	1:84:A:ILE:HG22	1:86:A:TYR:HE1	20	0.12
(1,1547)	1:84:A:ILE:HG22	1:86:A:TYR:HE2	20	0.12
(1,1547)	1:84:A:ILE:HG23	1:86:A:TYR:HE1	20	0.12
(1,1547)	1:84:A:ILE:HG23	1:86:A:TYR:HE2	20	0.12
(1,1544)	1:3:A:VAL:HG11	1:114:A:LYS:HA	8	0.12
(1,1544)	1:3:A:VAL:HG12	1:114:A:LYS:HA	8	0.12
(1,1544)	1:3:A:VAL:HG13	1:114:A:LYS:HA	8	0.12
(1,1544)	1:3:A:VAL:HG21	1:114:A:LYS:HA	8	0.12
(1,1544)	1:3:A:VAL:HG22	1:114:A:LYS:HA	8	0.12
(1,1544)	1:3:A:VAL:HG23	1:114:A:LYS:HA	8	0.12
(1,1535)	1:84:A:ILE:HG21	1:86:A:TYR:H	8	0.12
(1,1535)	1:84:A:ILE:HG22	1:86:A:TYR:H	8	0.12
(1,1535)	1:84:A:ILE:HG23	1:86:A:TYR:H	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1482)	1:61:A:LYS:HE2	1:91:A:ILE:HG21	7	0.12
(1,1482)	1:61:A:LYS:HE2	1:91:A:ILE:HG22	7	0.12
(1,1482)	1:61:A:LYS:HE2	1:91:A:ILE:HG23	7	0.12
(1,1482)	1:61:A:LYS:HE3	1:91:A:ILE:HG21	7	0.12
(1,1482)	1:61:A:LYS:HE3	1:91:A:ILE:HG22	7	0.12
(1,1482)	1:61:A:LYS:HE3	1:91:A:ILE:HG23	7	0.12
(1,1450)	1:60:A:ILE:HG21	1:92:A:THR:HG21	20	0.12
(1,1450)	1:60:A:ILE:HG21	1:92:A:THR:HG22	20	0.12
(1,1450)	1:60:A:ILE:HG21	1:92:A:THR:HG23	20	0.12
(1,1450)	1:60:A:ILE:HG22	1:92:A:THR:HG21	20	0.12
(1,1450)	1:60:A:ILE:HG22	1:92:A:THR:HG22	20	0.12
(1,1450)	1:60:A:ILE:HG22	1:92:A:THR:HG23	20	0.12
(1,1450)	1:60:A:ILE:HG23	1:92:A:THR:HG21	20	0.12
(1,1450)	1:60:A:ILE:HG23	1:92:A:THR:HG22	20	0.12
(1,1450)	1:60:A:ILE:HG23	1:92:A:THR:HG23	20	0.12
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD11	12	0.12
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD12	12	0.12
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD13	12	0.12
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD11	12	0.12
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD12	12	0.12
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD13	12	0.12
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD11	12	0.12
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD12	12	0.12
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD13	12	0.12
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD11	15	0.12
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD12	15	0.12
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD13	15	0.12
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD11	15	0.12
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD12	15	0.12
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD13	15	0.12
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD11	15	0.12
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD12	15	0.12
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD13	15	0.12
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD11	17	0.12
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD12	17	0.12
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD13	17	0.12
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD11	17	0.12
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD12	17	0.12
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD13	17	0.12
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD11	17	0.12
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD12	17	0.12
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD13	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD11	20	0.12
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD12	20	0.12
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD13	20	0.12
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD11	20	0.12
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD12	20	0.12
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD13	20	0.12
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD11	20	0.12
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD12	20	0.12
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD13	20	0.12
(1,1402)	1:28:A:LEU:HA	1:58:A:VAL:HG11	15	0.12
(1,1402)	1:28:A:LEU:HA	1:58:A:VAL:HG12	15	0.12
(1,1402)	1:28:A:LEU:HA	1:58:A:VAL:HG13	15	0.12
(1,1333)	1:102:A:GLU:HA	1:103:A:THR:HG21	12	0.12
(1,1333)	1:102:A:GLU:HA	1:103:A:THR:HG22	12	0.12
(1,1333)	1:102:A:GLU:HA	1:103:A:THR:HG23	12	0.12
(1,1327)	1:59:A:PHE:HD1	1:78:A:VAL:HG21	4	0.12
(1,1327)	1:59:A:PHE:HD1	1:78:A:VAL:HG22	4	0.12
(1,1327)	1:59:A:PHE:HD1	1:78:A:VAL:HG23	4	0.12
(1,1327)	1:59:A:PHE:HD2	1:78:A:VAL:HG21	4	0.12
(1,1327)	1:59:A:PHE:HD2	1:78:A:VAL:HG22	4	0.12
(1,1327)	1:59:A:PHE:HD2	1:78:A:VAL:HG23	4	0.12
(1,1327)	1:59:A:PHE:HD1	1:78:A:VAL:HG21	10	0.12
(1,1327)	1:59:A:PHE:HD1	1:78:A:VAL:HG22	10	0.12
(1,1327)	1:59:A:PHE:HD1	1:78:A:VAL:HG23	10	0.12
(1,1327)	1:59:A:PHE:HD2	1:78:A:VAL:HG21	10	0.12
(1,1327)	1:59:A:PHE:HD2	1:78:A:VAL:HG22	10	0.12
(1,1327)	1:59:A:PHE:HD2	1:78:A:VAL:HG23	10	0.12
(1,1327)	1:59:A:PHE:HD1	1:78:A:VAL:HG21	15	0.12
(1,1327)	1:59:A:PHE:HD1	1:78:A:VAL:HG22	15	0.12
(1,1327)	1:59:A:PHE:HD1	1:78:A:VAL:HG23	15	0.12
(1,1327)	1:59:A:PHE:HD2	1:78:A:VAL:HG21	15	0.12
(1,1327)	1:59:A:PHE:HD2	1:78:A:VAL:HG22	15	0.12
(1,1327)	1:59:A:PHE:HD2	1:78:A:VAL:HG23	15	0.12
(1,1291)	1:3:A:VAL:HG11	1:112:A:LEU:HB2	11	0.12
(1,1291)	1:3:A:VAL:HG12	1:112:A:LEU:HB2	11	0.12
(1,1291)	1:3:A:VAL:HG13	1:112:A:LEU:HB2	11	0.12
(1,1291)	1:3:A:VAL:HG21	1:112:A:LEU:HB2	11	0.12
(1,1291)	1:3:A:VAL:HG22	1:112:A:LEU:HB2	11	0.12
(1,1291)	1:3:A:VAL:HG23	1:112:A:LEU:HB2	11	0.12
(1,1291)	1:3:A:VAL:HG11	1:112:A:LEU:HB2	19	0.12
(1,1291)	1:3:A:VAL:HG12	1:112:A:LEU:HB2	19	0.12
(1,1291)	1:3:A:VAL:HG13	1:112:A:LEU:HB2	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1291)	1:3:A:VAL:HG21	1:112:A:LEU:HB2	19	0.12
(1,1291)	1:3:A:VAL:HG22	1:112:A:LEU:HB2	19	0.12
(1,1291)	1:3:A:VAL:HG23	1:112:A:LEU:HB2	19	0.12
(1,1259)	1:49:A:VAL:HG21	1:50:A:LEU:H	3	0.12
(1,1259)	1:49:A:VAL:HG22	1:50:A:LEU:H	3	0.12
(1,1259)	1:49:A:VAL:HG23	1:50:A:LEU:H	3	0.12
(1,1259)	1:49:A:VAL:HG21	1:50:A:LEU:H	4	0.12
(1,1259)	1:49:A:VAL:HG22	1:50:A:LEU:H	4	0.12
(1,1259)	1:49:A:VAL:HG23	1:50:A:LEU:H	4	0.12
(1,1259)	1:49:A:VAL:HG21	1:50:A:LEU:H	14	0.12
(1,1259)	1:49:A:VAL:HG22	1:50:A:LEU:H	14	0.12
(1,1259)	1:49:A:VAL:HG23	1:50:A:LEU:H	14	0.12
(1,1259)	1:49:A:VAL:HG21	1:50:A:LEU:H	19	0.12
(1,1259)	1:49:A:VAL:HG22	1:50:A:LEU:H	19	0.12
(1,1259)	1:49:A:VAL:HG23	1:50:A:LEU:H	19	0.12
(1,1255)	1:24:A:VAL:HG11	1:25:A:GLU:HA	20	0.12
(1,1255)	1:24:A:VAL:HG12	1:25:A:GLU:HA	20	0.12
(1,1255)	1:24:A:VAL:HG13	1:25:A:GLU:HA	20	0.12
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG11	11	0.12
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG12	11	0.12
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG13	11	0.12
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG11	15	0.12
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG12	15	0.12
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG13	15	0.12
(1,1140)	1:24:A:VAL:HG11	1:81:A:MET:HA	18	0.12
(1,1140)	1:24:A:VAL:HG12	1:81:A:MET:HA	18	0.12
(1,1140)	1:24:A:VAL:HG13	1:81:A:MET:HA	18	0.12
(1,1127)	1:24:A:VAL:HG11	1:79:A:ALA:HB1	13	0.12
(1,1127)	1:24:A:VAL:HG11	1:79:A:ALA:HB2	13	0.12
(1,1127)	1:24:A:VAL:HG11	1:79:A:ALA:HB3	13	0.12
(1,1127)	1:24:A:VAL:HG12	1:79:A:ALA:HB1	13	0.12
(1,1127)	1:24:A:VAL:HG12	1:79:A:ALA:HB2	13	0.12
(1,1127)	1:24:A:VAL:HG12	1:79:A:ALA:HB3	13	0.12
(1,1127)	1:24:A:VAL:HG13	1:79:A:ALA:HB1	13	0.12
(1,1127)	1:24:A:VAL:HG13	1:79:A:ALA:HB2	13	0.12
(1,1127)	1:24:A:VAL:HG13	1:79:A:ALA:HB3	13	0.12
(1,1126)	1:24:A:VAL:HG11	1:56:A:PRO:HB2	11	0.12
(1,1126)	1:24:A:VAL:HG12	1:56:A:PRO:HB2	11	0.12
(1,1126)	1:24:A:VAL:HG13	1:56:A:PRO:HB2	11	0.12
(1,1073)	1:12:A:VAL:HA	1:53:A:LEU:HD11	6	0.12
(1,1073)	1:12:A:VAL:HA	1:53:A:LEU:HD12	6	0.12
(1,1073)	1:12:A:VAL:HA	1:53:A:LEU:HD13	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1067)	1:12:A:VAL:HG21	1:53:A:LEU:HD11	3	0.12
(1,1067)	1:12:A:VAL:HG21	1:53:A:LEU:HD12	3	0.12
(1,1067)	1:12:A:VAL:HG21	1:53:A:LEU:HD13	3	0.12
(1,1067)	1:12:A:VAL:HG22	1:53:A:LEU:HD11	3	0.12
(1,1067)	1:12:A:VAL:HG22	1:53:A:LEU:HD12	3	0.12
(1,1067)	1:12:A:VAL:HG22	1:53:A:LEU:HD13	3	0.12
(1,1067)	1:12:A:VAL:HG23	1:53:A:LEU:HD11	3	0.12
(1,1067)	1:12:A:VAL:HG23	1:53:A:LEU:HD12	3	0.12
(1,1067)	1:12:A:VAL:HG23	1:53:A:LEU:HD13	3	0.12
(1,1067)	1:12:A:VAL:HG21	1:53:A:LEU:HD11	10	0.12
(1,1067)	1:12:A:VAL:HG21	1:53:A:LEU:HD12	10	0.12
(1,1067)	1:12:A:VAL:HG21	1:53:A:LEU:HD13	10	0.12
(1,1067)	1:12:A:VAL:HG22	1:53:A:LEU:HD11	10	0.12
(1,1067)	1:12:A:VAL:HG22	1:53:A:LEU:HD12	10	0.12
(1,1067)	1:12:A:VAL:HG22	1:53:A:LEU:HD13	10	0.12
(1,1067)	1:12:A:VAL:HG23	1:53:A:LEU:HD11	10	0.12
(1,1067)	1:12:A:VAL:HG23	1:53:A:LEU:HD12	10	0.12
(1,1067)	1:12:A:VAL:HG23	1:53:A:LEU:HD13	10	0.12
(1,1067)	1:12:A:VAL:HG21	1:53:A:LEU:HD11	12	0.12
(1,1067)	1:12:A:VAL:HG21	1:53:A:LEU:HD12	12	0.12
(1,1067)	1:12:A:VAL:HG21	1:53:A:LEU:HD13	12	0.12
(1,1067)	1:12:A:VAL:HG22	1:53:A:LEU:HD11	12	0.12
(1,1067)	1:12:A:VAL:HG22	1:53:A:LEU:HD12	12	0.12
(1,1067)	1:12:A:VAL:HG22	1:53:A:LEU:HD13	12	0.12
(1,1067)	1:12:A:VAL:HG23	1:53:A:LEU:HD11	12	0.12
(1,1067)	1:12:A:VAL:HG23	1:53:A:LEU:HD12	12	0.12
(1,1067)	1:12:A:VAL:HG23	1:53:A:LEU:HD13	12	0.12
(1,1064)	1:18:A:ARG:HA	1:53:A:LEU:HD11	4	0.12
(1,1064)	1:18:A:ARG:HA	1:53:A:LEU:HD12	4	0.12
(1,1064)	1:18:A:ARG:HA	1:53:A:LEU:HD13	4	0.12
(1,1064)	1:18:A:ARG:HA	1:53:A:LEU:HD11	14	0.12
(1,1064)	1:18:A:ARG:HA	1:53:A:LEU:HD12	14	0.12
(1,1064)	1:18:A:ARG:HA	1:53:A:LEU:HD13	14	0.12
(1,1053)	1:12:A:VAL:HG21	1:53:A:LEU:HG	20	0.12
(1,1053)	1:12:A:VAL:HG22	1:53:A:LEU:HG	20	0.12
(1,1053)	1:12:A:VAL:HG23	1:53:A:LEU:HG	20	0.12
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB1	12	0.12
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB2	12	0.12
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB3	12	0.12
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB1	12	0.12
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB2	12	0.12
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB3	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB1	12	0.12
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB2	12	0.12
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB3	12	0.12
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB1	14	0.12
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB2	14	0.12
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB3	14	0.12
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB1	14	0.12
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB2	14	0.12
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB3	14	0.12
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB1	14	0.12
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB2	14	0.12
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB3	14	0.12
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD21	18	0.12
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD22	18	0.12
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD23	18	0.12
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG11	16	0.12
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG12	16	0.12
(1,956)	1:46:A:GLU:HA	1:49:A:VAL:HG13	16	0.12
(1,888)	1:7:A:LEU:HD11	1:40:A:CYS:HA	1	0.12
(1,888)	1:7:A:LEU:HD12	1:40:A:CYS:HA	1	0.12
(1,888)	1:7:A:LEU:HD13	1:40:A:CYS:HA	1	0.12
(1,826)	1:45:A:LEU:HD11	1:50:A:LEU:HD21	15	0.12
(1,826)	1:45:A:LEU:HD11	1:50:A:LEU:HD22	15	0.12
(1,826)	1:45:A:LEU:HD11	1:50:A:LEU:HD23	15	0.12
(1,826)	1:45:A:LEU:HD12	1:50:A:LEU:HD21	15	0.12
(1,826)	1:45:A:LEU:HD12	1:50:A:LEU:HD22	15	0.12
(1,826)	1:45:A:LEU:HD12	1:50:A:LEU:HD23	15	0.12
(1,826)	1:45:A:LEU:HD13	1:50:A:LEU:HD21	15	0.12
(1,826)	1:45:A:LEU:HD13	1:50:A:LEU:HD22	15	0.12
(1,826)	1:45:A:LEU:HD13	1:50:A:LEU:HD23	15	0.12
(1,778)	1:10:A:LEU:HD11	1:102:A:GLU:HB3	2	0.12
(1,778)	1:10:A:LEU:HD12	1:102:A:GLU:HB3	2	0.12
(1,778)	1:10:A:LEU:HD13	1:102:A:GLU:HB3	2	0.12
(1,740)	1:12:A:VAL:HG11	1:53:A:LEU:HD21	4	0.12
(1,740)	1:12:A:VAL:HG11	1:53:A:LEU:HD22	4	0.12
(1,740)	1:12:A:VAL:HG11	1:53:A:LEU:HD23	4	0.12
(1,740)	1:12:A:VAL:HG12	1:53:A:LEU:HD21	4	0.12
(1,740)	1:12:A:VAL:HG12	1:53:A:LEU:HD22	4	0.12
(1,740)	1:12:A:VAL:HG12	1:53:A:LEU:HD23	4	0.12
(1,740)	1:12:A:VAL:HG13	1:53:A:LEU:HD21	4	0.12
(1,740)	1:12:A:VAL:HG13	1:53:A:LEU:HD22	4	0.12
(1,740)	1:12:A:VAL:HG13	1:53:A:LEU:HD23	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,740)	1:12:A:VAL:HG11	1:53:A:LEU:HD21	19	0.12
(1,740)	1:12:A:VAL:HG11	1:53:A:LEU:HD22	19	0.12
(1,740)	1:12:A:VAL:HG11	1:53:A:LEU:HD23	19	0.12
(1,740)	1:12:A:VAL:HG12	1:53:A:LEU:HD21	19	0.12
(1,740)	1:12:A:VAL:HG12	1:53:A:LEU:HD22	19	0.12
(1,740)	1:12:A:VAL:HG12	1:53:A:LEU:HD23	19	0.12
(1,740)	1:12:A:VAL:HG13	1:53:A:LEU:HD21	19	0.12
(1,740)	1:12:A:VAL:HG13	1:53:A:LEU:HD22	19	0.12
(1,740)	1:12:A:VAL:HG13	1:53:A:LEU:HD23	19	0.12
(1,713)	1:8:A:PRO:HG2	1:107:A:TYR:HE1	10	0.12
(1,713)	1:8:A:PRO:HG2	1:107:A:TYR:HE2	10	0.12
(1,682)	1:8:A:PRO:HG3	1:104:A:PRO:HB3	9	0.12
(1,641)	1:23:A:SER:HB2	1:25:A:GLU:H	17	0.12
(1,609)	1:8:A:PRO:HB2	1:104:A:PRO:HG2	16	0.12
(1,576)	1:11:A:GLN:HB3	1:14:A:ASP:HA	18	0.12
(1,513)	1:30:A:GLU:HB2	1:33:A:GLU:H	1	0.12
(1,513)	1:30:A:GLU:HB2	1:33:A:GLU:H	9	0.12
(1,513)	1:30:A:GLU:HB2	1:33:A:GLU:H	12	0.12
(1,501)	1:23:A:SER:HB3	1:26:A:GLU:HB2	11	0.12
(1,499)	1:34:A:HIS:HA	1:40:A:CYS:HB3	4	0.12
(1,386)	1:2:A:HIS:HB2	1:3:A:VAL:H	4	0.12
(1,364)	1:55:A:GLN:HG2	1:57:A:TYR:HE1	5	0.12
(1,364)	1:55:A:GLN:HG2	1:57:A:TYR:HE2	5	0.12
(1,355)	1:4:A:GLN:H	1:4:A:GLN:HG2	8	0.12
(1,355)	1:4:A:GLN:H	1:4:A:GLN:HG3	8	0.12
(1,355)	1:4:A:GLN:H	1:4:A:GLN:HG2	17	0.12
(1,355)	1:4:A:GLN:H	1:4:A:GLN:HG3	17	0.12
(1,352)	1:3:A:VAL:HG11	1:4:A:GLN:HG2	20	0.12
(1,352)	1:3:A:VAL:HG11	1:4:A:GLN:HG3	20	0.12
(1,352)	1:3:A:VAL:HG12	1:4:A:GLN:HG2	20	0.12
(1,352)	1:3:A:VAL:HG12	1:4:A:GLN:HG3	20	0.12
(1,352)	1:3:A:VAL:HG13	1:4:A:GLN:HG2	20	0.12
(1,352)	1:3:A:VAL:HG13	1:4:A:GLN:HG3	20	0.12
(1,352)	1:3:A:VAL:HG21	1:4:A:GLN:HG2	20	0.12
(1,352)	1:3:A:VAL:HG21	1:4:A:GLN:HG3	20	0.12
(1,352)	1:3:A:VAL:HG22	1:4:A:GLN:HG2	20	0.12
(1,352)	1:3:A:VAL:HG22	1:4:A:GLN:HG3	20	0.12
(1,352)	1:3:A:VAL:HG23	1:4:A:GLN:HG2	20	0.12
(1,352)	1:3:A:VAL:HG23	1:4:A:GLN:HG3	20	0.12
(1,344)	1:43:A:VAL:HB	1:95:A:VAL:HB	8	0.12
(1,332)	1:11:A:GLN:HG3	1:13:A:ARG:H	3	0.12
(1,317)	1:33:A:GLU:HG3	1:34:A:HIS:H	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB1	7	0.12
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB2	7	0.12
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB3	7	0.12
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB1	9	0.12
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB2	9	0.12
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB3	9	0.12
(1,223)	1:100:A:VAL:HG11	1:102:A:GLU:HG2	19	0.12
(1,223)	1:100:A:VAL:HG12	1:102:A:GLU:HG2	19	0.12
(1,223)	1:100:A:VAL:HG13	1:102:A:GLU:HG2	19	0.12
(1,211)	1:43:A:VAL:HG11	1:44:A:GLU:HG2	1	0.12
(1,211)	1:43:A:VAL:HG12	1:44:A:GLU:HG2	1	0.12
(1,211)	1:43:A:VAL:HG13	1:44:A:GLU:HG2	1	0.12
(1,211)	1:43:A:VAL:HG11	1:44:A:GLU:HG2	10	0.12
(1,211)	1:43:A:VAL:HG12	1:44:A:GLU:HG2	10	0.12
(1,211)	1:43:A:VAL:HG13	1:44:A:GLU:HG2	10	0.12
(1,165)	1:61:A:LYS:HA	1:61:A:LYS:HE2	4	0.12
(1,165)	1:61:A:LYS:HA	1:61:A:LYS:HE3	4	0.12
(1,165)	1:61:A:LYS:HA	1:61:A:LYS:HE2	18	0.12
(1,165)	1:61:A:LYS:HA	1:61:A:LYS:HE3	18	0.12
(1,160)	1:59:A:PHE:HB2	1:86:A:TYR:HB3	3	0.12
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG11	17	0.12
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG12	17	0.12
(1,150)	1:59:A:PHE:HB2	1:95:A:VAL:HG13	17	0.12
(1,132)	1:108:A:ARG:HA	1:108:A:ARG:HD2	5	0.12
(1,131)	1:108:A:ARG:H	1:108:A:ARG:HD2	1	0.12
(1,110)	1:18:A:ARG:HA	1:18:A:ARG:HD2	2	0.12
(1,110)	1:18:A:ARG:HA	1:18:A:ARG:HD2	13	0.12
(1,108)	1:18:A:ARG:HD3	1:53:A:LEU:HD11	2	0.12
(1,108)	1:18:A:ARG:HD3	1:53:A:LEU:HD12	2	0.12
(1,108)	1:18:A:ARG:HD3	1:53:A:LEU:HD13	2	0.12
(1,59)	1:3:A:VAL:HB	1:112:A:LEU:HB2	17	0.12
(1,41)	1:47:A:LYS:HG2	1:48:A:GLY:HA3	19	0.12
(1,20)	1:80:A:GLU:HB2	1:83:A:GLY:HA3	15	0.12
(1,15)	1:9:A:VAL:HG11	1:42:A:LEU:HB2	15	0.12
(1,15)	1:9:A:VAL:HG12	1:42:A:LEU:HB2	15	0.12
(1,15)	1:9:A:VAL:HG13	1:42:A:LEU:HB2	15	0.12
(1,15)	1:9:A:VAL:HG11	1:42:A:LEU:HB2	17	0.12
(1,15)	1:9:A:VAL:HG12	1:42:A:LEU:HB2	17	0.12
(1,15)	1:9:A:VAL:HG13	1:42:A:LEU:HB2	17	0.12
(1,13)	1:35:A:LEU:HD11	1:38:A:GLY:HA2	16	0.12
(1,13)	1:35:A:LEU:HD11	1:38:A:GLY:HA3	16	0.12
(1,13)	1:35:A:LEU:HD12	1:38:A:GLY:HA2	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13)	1:35:A:LEU:HD12	1:38:A:GLY:HA3	16	0.12
(1,13)	1:35:A:LEU:HD13	1:38:A:GLY:HA2	16	0.12
(1,13)	1:35:A:LEU:HD13	1:38:A:GLY:HA3	16	0.12
(1,2527)	1:61:A:LYS:HD2	1:86:A:TYR:HE1	15	0.11
(1,2527)	1:61:A:LYS:HD2	1:86:A:TYR:HE2	15	0.11
(1,2527)	1:61:A:LYS:HD3	1:86:A:TYR:HE1	15	0.11
(1,2527)	1:61:A:LYS:HD3	1:86:A:TYR:HE2	15	0.11
(1,2525)	1:61:A:LYS:HE2	1:86:A:TYR:HE1	12	0.11
(1,2525)	1:61:A:LYS:HE2	1:86:A:TYR:HE2	12	0.11
(1,2525)	1:61:A:LYS:HE3	1:86:A:TYR:HE1	12	0.11
(1,2525)	1:61:A:LYS:HE3	1:86:A:TYR:HE2	12	0.11
(1,2525)	1:61:A:LYS:HE2	1:86:A:TYR:HE1	19	0.11
(1,2525)	1:61:A:LYS:HE2	1:86:A:TYR:HE2	19	0.11
(1,2525)	1:61:A:LYS:HE3	1:86:A:TYR:HE1	19	0.11
(1,2525)	1:61:A:LYS:HE3	1:86:A:TYR:HE2	19	0.11
(1,2522)	1:53:A:LEU:HG	1:57:A:TYR:HE1	2	0.11
(1,2522)	1:53:A:LEU:HG	1:57:A:TYR:HE2	2	0.11
(1,2522)	1:53:A:LEU:HG	1:57:A:TYR:HE1	16	0.11
(1,2522)	1:53:A:LEU:HG	1:57:A:TYR:HE2	16	0.11
(1,2519)	1:50:A:LEU:HA	1:57:A:TYR:HE1	17	0.11
(1,2519)	1:50:A:LEU:HA	1:57:A:TYR:HE2	17	0.11
(1,2519)	1:50:A:LEU:HA	1:57:A:TYR:HE1	18	0.11
(1,2519)	1:50:A:LEU:HA	1:57:A:TYR:HE2	18	0.11
(1,2506)	1:70:A:HIS:HB2	1:70:A:HIS:HD2	14	0.11
(1,2470)	1:59:A:PHE:HE1	1:95:A:VAL:HB	14	0.11
(1,2470)	1:59:A:PHE:HE2	1:95:A:VAL:HB	14	0.11
(1,2463)	1:20:A:PHE:HD1	1:58:A:VAL:HG11	4	0.11
(1,2463)	1:20:A:PHE:HD1	1:58:A:VAL:HG12	4	0.11
(1,2463)	1:20:A:PHE:HD1	1:58:A:VAL:HG13	4	0.11
(1,2463)	1:20:A:PHE:HD2	1:58:A:VAL:HG11	4	0.11
(1,2463)	1:20:A:PHE:HD2	1:58:A:VAL:HG12	4	0.11
(1,2463)	1:20:A:PHE:HD2	1:58:A:VAL:HG13	4	0.11
(1,2459)	1:20:A:PHE:HD1	1:30:A:GLU:HB2	5	0.11
(1,2459)	1:20:A:PHE:HD2	1:30:A:GLU:HB2	5	0.11
(1,2459)	1:20:A:PHE:HD1	1:30:A:GLU:HB2	6	0.11
(1,2459)	1:20:A:PHE:HD2	1:30:A:GLU:HB2	6	0.11
(1,2451)	1:59:A:PHE:HD1	1:78:A:VAL:HB	14	0.11
(1,2451)	1:59:A:PHE:HD2	1:78:A:VAL:HB	14	0.11
(1,2445)	1:86:A:TYR:HD1	1:91:A:ILE:HG21	9	0.11
(1,2445)	1:86:A:TYR:HD1	1:91:A:ILE:HG22	9	0.11
(1,2445)	1:86:A:TYR:HD1	1:91:A:ILE:HG23	9	0.11
(1,2445)	1:86:A:TYR:HD2	1:91:A:ILE:HG21	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2445)	1:86:A:TYR:HD2	1:91:A:ILE:HG22	9	0.11
(1,2445)	1:86:A:TYR:HD2	1:91:A:ILE:HG23	9	0.11
(1,2445)	1:86:A:TYR:HD1	1:91:A:ILE:HG21	16	0.11
(1,2445)	1:86:A:TYR:HD1	1:91:A:ILE:HG22	16	0.11
(1,2445)	1:86:A:TYR:HD1	1:91:A:ILE:HG23	16	0.11
(1,2445)	1:86:A:TYR:HD2	1:91:A:ILE:HG21	16	0.11
(1,2445)	1:86:A:TYR:HD2	1:91:A:ILE:HG22	16	0.11
(1,2445)	1:86:A:TYR:HD2	1:91:A:ILE:HG23	16	0.11
(1,2440)	1:57:A:TYR:HD1	1:95:A:VAL:HG11	8	0.11
(1,2440)	1:57:A:TYR:HD1	1:95:A:VAL:HG12	8	0.11
(1,2440)	1:57:A:TYR:HD1	1:95:A:VAL:HG13	8	0.11
(1,2440)	1:57:A:TYR:HD2	1:95:A:VAL:HG11	8	0.11
(1,2440)	1:57:A:TYR:HD2	1:95:A:VAL:HG12	8	0.11
(1,2440)	1:57:A:TYR:HD2	1:95:A:VAL:HG13	8	0.11
(1,2419)	1:42:A:LEU:HD21	1:94:A:GLY:H	1	0.11
(1,2419)	1:42:A:LEU:HD22	1:94:A:GLY:H	1	0.11
(1,2419)	1:42:A:LEU:HD23	1:94:A:GLY:H	1	0.11
(1,2417)	1:60:A:ILE:HG21	1:94:A:GLY:H	1	0.11
(1,2417)	1:60:A:ILE:HG22	1:94:A:GLY:H	1	0.11
(1,2417)	1:60:A:ILE:HG23	1:94:A:GLY:H	1	0.11
(1,2417)	1:60:A:ILE:HG21	1:94:A:GLY:H	3	0.11
(1,2417)	1:60:A:ILE:HG22	1:94:A:GLY:H	3	0.11
(1,2417)	1:60:A:ILE:HG23	1:94:A:GLY:H	3	0.11
(1,2417)	1:60:A:ILE:HG21	1:94:A:GLY:H	8	0.11
(1,2417)	1:60:A:ILE:HG22	1:94:A:GLY:H	8	0.11
(1,2417)	1:60:A:ILE:HG23	1:94:A:GLY:H	8	0.11
(1,2417)	1:60:A:ILE:HG21	1:94:A:GLY:H	9	0.11
(1,2417)	1:60:A:ILE:HG22	1:94:A:GLY:H	9	0.11
(1,2417)	1:60:A:ILE:HG23	1:94:A:GLY:H	9	0.11
(1,2417)	1:60:A:ILE:HG21	1:94:A:GLY:H	10	0.11
(1,2417)	1:60:A:ILE:HG22	1:94:A:GLY:H	10	0.11
(1,2417)	1:60:A:ILE:HG23	1:94:A:GLY:H	10	0.11
(1,2417)	1:60:A:ILE:HG21	1:94:A:GLY:H	13	0.11
(1,2417)	1:60:A:ILE:HG22	1:94:A:GLY:H	13	0.11
(1,2417)	1:60:A:ILE:HG23	1:94:A:GLY:H	13	0.11
(1,2347)	1:23:A:SER:H	1:23:A:SER:HB3	9	0.11
(1,2327)	1:49:A:VAL:HG11	1:52:A:GLN:HE22	5	0.11
(1,2327)	1:49:A:VAL:HG12	1:52:A:GLN:HE22	5	0.11
(1,2327)	1:49:A:VAL:HG13	1:52:A:GLN:HE22	5	0.11
(1,2250)	1:24:A:VAL:HG11	1:28:A:LEU:H	4	0.11
(1,2250)	1:24:A:VAL:HG12	1:28:A:LEU:H	4	0.11
(1,2250)	1:24:A:VAL:HG13	1:28:A:LEU:H	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2250)	1:24:A:VAL:HG11	1:28:A:LEU:H	13	0.11
(1,2250)	1:24:A:VAL:HG12	1:28:A:LEU:H	13	0.11
(1,2250)	1:24:A:VAL:HG13	1:28:A:LEU:H	13	0.11
(1,2250)	1:24:A:VAL:HG11	1:28:A:LEU:H	17	0.11
(1,2250)	1:24:A:VAL:HG12	1:28:A:LEU:H	17	0.11
(1,2250)	1:24:A:VAL:HG13	1:28:A:LEU:H	17	0.11
(1,2245)	1:76:A:GLU:H	1:76:A:GLU:HB2	17	0.11
(1,2212)	1:11:A:GLN:HG2	1:14:A:ASP:H	4	0.11
(1,2184)	1:34:A:HIS:H	1:40:A:CYS:HB3	15	0.11
(1,2171)	1:54:A:GLU:H	1:54:A:GLU:HB3	13	0.11
(1,2133)	1:57:A:TYR:H	1:95:A:VAL:HG21	1	0.11
(1,2133)	1:57:A:TYR:H	1:95:A:VAL:HG22	1	0.11
(1,2133)	1:57:A:TYR:H	1:95:A:VAL:HG23	1	0.11
(1,2133)	1:57:A:TYR:H	1:95:A:VAL:HG21	7	0.11
(1,2133)	1:57:A:TYR:H	1:95:A:VAL:HG22	7	0.11
(1,2133)	1:57:A:TYR:H	1:95:A:VAL:HG23	7	0.11
(1,2122)	1:63:A:SER:H	1:63:A:SER:HB3	5	0.11
(1,2005)	1:76:A:GLU:HB3	1:77:A:LEU:H	2	0.11
(1,2000)	1:20:A:PHE:HB2	1:30:A:GLU:H	15	0.11
(1,1995)	1:10:A:LEU:HB2	1:11:A:GLN:H	10	0.11
(1,1885)	1:65:A:ALA:H	1:66:A:LEU:HD21	3	0.11
(1,1885)	1:65:A:ALA:H	1:66:A:LEU:HD22	3	0.11
(1,1885)	1:65:A:ALA:H	1:66:A:LEU:HD23	3	0.11
(1,1739)	1:50:A:LEU:HB3	1:51:A:PRO:HD2	17	0.11
(1,1729)	1:50:A:LEU:HD11	1:51:A:PRO:HD2	2	0.11
(1,1729)	1:50:A:LEU:HD12	1:51:A:PRO:HD2	2	0.11
(1,1729)	1:50:A:LEU:HD13	1:51:A:PRO:HD2	2	0.11
(1,1698)	1:86:A:TYR:HA	1:91:A:ILE:HD11	17	0.11
(1,1698)	1:86:A:TYR:HA	1:91:A:ILE:HD12	17	0.11
(1,1698)	1:86:A:TYR:HA	1:91:A:ILE:HD13	17	0.11
(1,1681)	1:65:A:ALA:HA	1:66:A:LEU:HD11	2	0.11
(1,1681)	1:65:A:ALA:HA	1:66:A:LEU:HD12	2	0.11
(1,1681)	1:65:A:ALA:HA	1:66:A:LEU:HD13	2	0.11
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG21	7	0.11
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG22	7	0.11
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG23	7	0.11
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG21	7	0.11
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG22	7	0.11
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG23	7	0.11
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG21	7	0.11
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG22	7	0.11
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG23	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG21	11	0.11
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG22	11	0.11
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG23	11	0.11
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG21	11	0.11
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG22	11	0.11
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG23	11	0.11
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG21	11	0.11
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG22	11	0.11
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG23	11	0.11
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG21	14	0.11
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG22	14	0.11
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG23	14	0.11
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG21	14	0.11
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG22	14	0.11
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG23	14	0.11
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG21	14	0.11
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG22	14	0.11
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG23	14	0.11
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG21	17	0.11
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG22	17	0.11
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG23	17	0.11
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG21	17	0.11
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG22	17	0.11
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG23	17	0.11
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG21	17	0.11
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG22	17	0.11
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG23	17	0.11
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG21	18	0.11
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG22	18	0.11
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG23	18	0.11
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG21	18	0.11
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG22	18	0.11
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG23	18	0.11
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG21	18	0.11
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG22	18	0.11
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG23	18	0.11
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG21	19	0.11
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG22	19	0.11
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG23	19	0.11
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG21	19	0.11
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG22	19	0.11
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG23	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG21	19	0.11
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG22	19	0.11
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG23	19	0.11
(1,1641)	1:53:A:LEU:HA	1:57:A:TYR:HE1	18	0.11
(1,1641)	1:53:A:LEU:HA	1:57:A:TYR:HE2	18	0.11
(1,1637)	1:61:A:LYS:HA	1:93:A:LEU:HD11	4	0.11
(1,1637)	1:61:A:LYS:HA	1:93:A:LEU:HD12	4	0.11
(1,1637)	1:61:A:LYS:HA	1:93:A:LEU:HD13	4	0.11
(1,1628)	1:76:A:GLU:HA	1:113:A:ARG:HD2	5	0.11
(1,1628)	1:76:A:GLU:HA	1:113:A:ARG:HD3	5	0.11
(1,1614)	1:27:A:ALA:HA	1:79:A:ALA:HB1	14	0.11
(1,1614)	1:27:A:ALA:HA	1:79:A:ALA:HB2	14	0.11
(1,1614)	1:27:A:ALA:HA	1:79:A:ALA:HB3	14	0.11
(1,1599)	1:21:A:GLY:HA2	1:22:A:ASP:HA	1	0.11
(1,1599)	1:21:A:GLY:HA2	1:22:A:ASP:HA	18	0.11
(1,1581)	1:24:A:VAL:HG11	1:81:A:MET:HE1	11	0.11
(1,1581)	1:24:A:VAL:HG11	1:81:A:MET:HE2	11	0.11
(1,1581)	1:24:A:VAL:HG11	1:81:A:MET:HE3	11	0.11
(1,1581)	1:24:A:VAL:HG12	1:81:A:MET:HE1	11	0.11
(1,1581)	1:24:A:VAL:HG12	1:81:A:MET:HE2	11	0.11
(1,1581)	1:24:A:VAL:HG12	1:81:A:MET:HE3	11	0.11
(1,1581)	1:24:A:VAL:HG13	1:81:A:MET:HE1	11	0.11
(1,1581)	1:24:A:VAL:HG13	1:81:A:MET:HE2	11	0.11
(1,1581)	1:24:A:VAL:HG13	1:81:A:MET:HE3	11	0.11
(1,1548)	1:84:A:ILE:HG21	1:85:A:GLN:HA	5	0.11
(1,1548)	1:84:A:ILE:HG22	1:85:A:GLN:HA	5	0.11
(1,1548)	1:84:A:ILE:HG23	1:85:A:GLN:HA	5	0.11
(1,1548)	1:84:A:ILE:HG21	1:85:A:GLN:HA	6	0.11
(1,1548)	1:84:A:ILE:HG22	1:85:A:GLN:HA	6	0.11
(1,1548)	1:84:A:ILE:HG23	1:85:A:GLN:HA	6	0.11
(1,1547)	1:84:A:ILE:HG21	1:86:A:TYR:HE1	7	0.11
(1,1547)	1:84:A:ILE:HG21	1:86:A:TYR:HE2	7	0.11
(1,1547)	1:84:A:ILE:HG22	1:86:A:TYR:HE1	7	0.11
(1,1547)	1:84:A:ILE:HG22	1:86:A:TYR:HE2	7	0.11
(1,1547)	1:84:A:ILE:HG23	1:86:A:TYR:HE1	7	0.11
(1,1547)	1:84:A:ILE:HG23	1:86:A:TYR:HE2	7	0.11
(1,1547)	1:84:A:ILE:HG21	1:86:A:TYR:HE1	8	0.11
(1,1547)	1:84:A:ILE:HG21	1:86:A:TYR:HE2	8	0.11
(1,1547)	1:84:A:ILE:HG22	1:86:A:TYR:HE1	8	0.11
(1,1547)	1:84:A:ILE:HG22	1:86:A:TYR:HE2	8	0.11
(1,1547)	1:84:A:ILE:HG23	1:86:A:TYR:HE1	8	0.11
(1,1547)	1:84:A:ILE:HG23	1:86:A:TYR:HE2	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1547)	1:84:A:ILE:HG21	1:86:A:TYR:HE1	14	0.11
(1,1547)	1:84:A:ILE:HG21	1:86:A:TYR:HE2	14	0.11
(1,1547)	1:84:A:ILE:HG22	1:86:A:TYR:HE1	14	0.11
(1,1547)	1:84:A:ILE:HG22	1:86:A:TYR:HE2	14	0.11
(1,1547)	1:84:A:ILE:HG23	1:86:A:TYR:HE1	14	0.11
(1,1547)	1:84:A:ILE:HG23	1:86:A:TYR:HE2	14	0.11
(1,1547)	1:84:A:ILE:HG21	1:86:A:TYR:HE1	17	0.11
(1,1547)	1:84:A:ILE:HG21	1:86:A:TYR:HE2	17	0.11
(1,1547)	1:84:A:ILE:HG22	1:86:A:TYR:HE1	17	0.11
(1,1547)	1:84:A:ILE:HG22	1:86:A:TYR:HE2	17	0.11
(1,1547)	1:84:A:ILE:HG23	1:86:A:TYR:HE1	17	0.11
(1,1547)	1:84:A:ILE:HG23	1:86:A:TYR:HE2	17	0.11
(1,1547)	1:84:A:ILE:HG21	1:86:A:TYR:HE1	19	0.11
(1,1547)	1:84:A:ILE:HG21	1:86:A:TYR:HE2	19	0.11
(1,1547)	1:84:A:ILE:HG22	1:86:A:TYR:HE1	19	0.11
(1,1547)	1:84:A:ILE:HG22	1:86:A:TYR:HE2	19	0.11
(1,1547)	1:84:A:ILE:HG23	1:86:A:TYR:HE1	19	0.11
(1,1547)	1:84:A:ILE:HG23	1:86:A:TYR:HE2	19	0.11
(1,1535)	1:84:A:ILE:HG21	1:86:A:TYR:H	13	0.11
(1,1535)	1:84:A:ILE:HG22	1:86:A:TYR:H	13	0.11
(1,1535)	1:84:A:ILE:HG23	1:86:A:TYR:H	13	0.11
(1,1535)	1:84:A:ILE:HG21	1:86:A:TYR:H	19	0.11
(1,1535)	1:84:A:ILE:HG22	1:86:A:TYR:H	19	0.11
(1,1535)	1:84:A:ILE:HG23	1:86:A:TYR:H	19	0.11
(1,1500)	1:15:A:VAL:H	1:97:A:VAL:HG21	4	0.11
(1,1500)	1:15:A:VAL:H	1:97:A:VAL:HG22	4	0.11
(1,1500)	1:15:A:VAL:H	1:97:A:VAL:HG23	4	0.11
(1,1489)	1:97:A:VAL:HG21	1:98:A:PRO:HD3	14	0.11
(1,1489)	1:97:A:VAL:HG22	1:98:A:PRO:HD3	14	0.11
(1,1489)	1:97:A:VAL:HG23	1:98:A:PRO:HD3	14	0.11
(1,1482)	1:61:A:LYS:HE2	1:91:A:ILE:HG21	3	0.11
(1,1482)	1:61:A:LYS:HE2	1:91:A:ILE:HG22	3	0.11
(1,1482)	1:61:A:LYS:HE2	1:91:A:ILE:HG23	3	0.11
(1,1482)	1:61:A:LYS:HE3	1:91:A:ILE:HG21	3	0.11
(1,1482)	1:61:A:LYS:HE3	1:91:A:ILE:HG22	3	0.11
(1,1482)	1:61:A:LYS:HE3	1:91:A:ILE:HG23	3	0.11
(1,1482)	1:61:A:LYS:HE2	1:91:A:ILE:HG21	12	0.11
(1,1482)	1:61:A:LYS:HE2	1:91:A:ILE:HG22	12	0.11
(1,1482)	1:61:A:LYS:HE2	1:91:A:ILE:HG23	12	0.11
(1,1482)	1:61:A:LYS:HE3	1:91:A:ILE:HG21	12	0.11
(1,1482)	1:61:A:LYS:HE3	1:91:A:ILE:HG22	12	0.11
(1,1482)	1:61:A:LYS:HE3	1:91:A:ILE:HG23	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1482)	1:61:A:LYS:HE2	1:91:A:ILE:HG21	19	0.11
(1,1482)	1:61:A:LYS:HE2	1:91:A:ILE:HG22	19	0.11
(1,1482)	1:61:A:LYS:HE2	1:91:A:ILE:HG23	19	0.11
(1,1482)	1:61:A:LYS:HE3	1:91:A:ILE:HG21	19	0.11
(1,1482)	1:61:A:LYS:HE3	1:91:A:ILE:HG22	19	0.11
(1,1482)	1:61:A:LYS:HE3	1:91:A:ILE:HG23	19	0.11
(1,1477)	1:17:A:VAL:HG11	1:18:A:ARG:HA	6	0.11
(1,1477)	1:17:A:VAL:HG12	1:18:A:ARG:HA	6	0.11
(1,1477)	1:17:A:VAL:HG13	1:18:A:ARG:HA	6	0.11
(1,1469)	1:31:A:ALA:HB1	1:77:A:LEU:HA	1	0.11
(1,1469)	1:31:A:ALA:HB2	1:77:A:LEU:HA	1	0.11
(1,1469)	1:31:A:ALA:HB3	1:77:A:LEU:HA	1	0.11
(1,1450)	1:60:A:ILE:HG21	1:92:A:THR:HG21	7	0.11
(1,1450)	1:60:A:ILE:HG21	1:92:A:THR:HG22	7	0.11
(1,1450)	1:60:A:ILE:HG21	1:92:A:THR:HG23	7	0.11
(1,1450)	1:60:A:ILE:HG22	1:92:A:THR:HG21	7	0.11
(1,1450)	1:60:A:ILE:HG22	1:92:A:THR:HG22	7	0.11
(1,1450)	1:60:A:ILE:HG22	1:92:A:THR:HG23	7	0.11
(1,1450)	1:60:A:ILE:HG23	1:92:A:THR:HG21	7	0.11
(1,1450)	1:60:A:ILE:HG23	1:92:A:THR:HG22	7	0.11
(1,1450)	1:60:A:ILE:HG23	1:92:A:THR:HG23	7	0.11
(1,1450)	1:60:A:ILE:HG21	1:92:A:THR:HG21	11	0.11
(1,1450)	1:60:A:ILE:HG21	1:92:A:THR:HG22	11	0.11
(1,1450)	1:60:A:ILE:HG21	1:92:A:THR:HG23	11	0.11
(1,1450)	1:60:A:ILE:HG22	1:92:A:THR:HG21	11	0.11
(1,1450)	1:60:A:ILE:HG22	1:92:A:THR:HG22	11	0.11
(1,1450)	1:60:A:ILE:HG22	1:92:A:THR:HG23	11	0.11
(1,1450)	1:60:A:ILE:HG23	1:92:A:THR:HG21	11	0.11
(1,1450)	1:60:A:ILE:HG23	1:92:A:THR:HG22	11	0.11
(1,1450)	1:60:A:ILE:HG23	1:92:A:THR:HG23	11	0.11
(1,1450)	1:60:A:ILE:HG21	1:92:A:THR:HG21	17	0.11
(1,1450)	1:60:A:ILE:HG21	1:92:A:THR:HG22	17	0.11
(1,1450)	1:60:A:ILE:HG21	1:92:A:THR:HG23	17	0.11
(1,1450)	1:60:A:ILE:HG22	1:92:A:THR:HG21	17	0.11
(1,1450)	1:60:A:ILE:HG22	1:92:A:THR:HG22	17	0.11
(1,1450)	1:60:A:ILE:HG22	1:92:A:THR:HG23	17	0.11
(1,1450)	1:60:A:ILE:HG23	1:92:A:THR:HG21	17	0.11
(1,1450)	1:60:A:ILE:HG23	1:92:A:THR:HG22	17	0.11
(1,1450)	1:60:A:ILE:HG23	1:92:A:THR:HG23	17	0.11
(1,1446)	1:60:A:ILE:HG21	1:76:A:GLU:H	20	0.11
(1,1446)	1:60:A:ILE:HG22	1:76:A:GLU:H	20	0.11
(1,1446)	1:60:A:ILE:HG23	1:76:A:GLU:H	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD11	3	0.11
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD12	3	0.11
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD13	3	0.11
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD11	3	0.11
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD12	3	0.11
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD13	3	0.11
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD11	3	0.11
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD12	3	0.11
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD13	3	0.11
(1,1395)	1:65:A:ALA:HB1	1:66:A:LEU:HG	12	0.11
(1,1395)	1:65:A:ALA:HB2	1:66:A:LEU:HG	12	0.11
(1,1395)	1:65:A:ALA:HB3	1:66:A:LEU:HG	12	0.11
(1,1370)	1:12:A:VAL:HG11	1:13:A:ARG:HB2	17	0.11
(1,1370)	1:12:A:VAL:HG12	1:13:A:ARG:HB2	17	0.11
(1,1370)	1:12:A:VAL:HG13	1:13:A:ARG:HB2	17	0.11
(1,1349)	1:62:A:ARG:HG3	1:75:A:VAL:HA	18	0.11
(1,1333)	1:102:A:GLU:HA	1:103:A:THR:HG21	8	0.11
(1,1333)	1:102:A:GLU:HA	1:103:A:THR:HG22	8	0.11
(1,1333)	1:102:A:GLU:HA	1:103:A:THR:HG23	8	0.11
(1,1333)	1:102:A:GLU:HA	1:103:A:THR:HG21	9	0.11
(1,1333)	1:102:A:GLU:HA	1:103:A:THR:HG22	9	0.11
(1,1333)	1:102:A:GLU:HA	1:103:A:THR:HG23	9	0.11
(1,1333)	1:102:A:GLU:HA	1:103:A:THR:HG21	17	0.11
(1,1333)	1:102:A:GLU:HA	1:103:A:THR:HG22	17	0.11
(1,1333)	1:102:A:GLU:HA	1:103:A:THR:HG23	17	0.11
(1,1327)	1:59:A:PHE:HD1	1:78:A:VAL:HG21	1	0.11
(1,1327)	1:59:A:PHE:HD1	1:78:A:VAL:HG22	1	0.11
(1,1327)	1:59:A:PHE:HD1	1:78:A:VAL:HG23	1	0.11
(1,1327)	1:59:A:PHE:HD2	1:78:A:VAL:HG21	1	0.11
(1,1327)	1:59:A:PHE:HD2	1:78:A:VAL:HG22	1	0.11
(1,1327)	1:59:A:PHE:HD2	1:78:A:VAL:HG23	1	0.11
(1,1327)	1:59:A:PHE:HD1	1:78:A:VAL:HG21	5	0.11
(1,1327)	1:59:A:PHE:HD1	1:78:A:VAL:HG22	5	0.11
(1,1327)	1:59:A:PHE:HD1	1:78:A:VAL:HG23	5	0.11
(1,1327)	1:59:A:PHE:HD2	1:78:A:VAL:HG21	5	0.11
(1,1327)	1:59:A:PHE:HD2	1:78:A:VAL:HG22	5	0.11
(1,1327)	1:59:A:PHE:HD2	1:78:A:VAL:HG23	5	0.11
(1,1327)	1:59:A:PHE:HD1	1:78:A:VAL:HG21	16	0.11
(1,1327)	1:59:A:PHE:HD1	1:78:A:VAL:HG22	16	0.11
(1,1327)	1:59:A:PHE:HD1	1:78:A:VAL:HG23	16	0.11
(1,1327)	1:59:A:PHE:HD2	1:78:A:VAL:HG21	16	0.11
(1,1327)	1:59:A:PHE:HD2	1:78:A:VAL:HG22	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1327)	1:59:A:PHE:HD2	1:78:A:VAL:HG23	16	0.11
(1,1316)	1:17:A:VAL:HG21	1:98:A:PRO:HG2	1	0.11
(1,1316)	1:17:A:VAL:HG22	1:98:A:PRO:HG2	1	0.11
(1,1316)	1:17:A:VAL:HG23	1:98:A:PRO:HG2	1	0.11
(1,1316)	1:17:A:VAL:HG21	1:98:A:PRO:HG2	9	0.11
(1,1316)	1:17:A:VAL:HG22	1:98:A:PRO:HG2	9	0.11
(1,1316)	1:17:A:VAL:HG23	1:98:A:PRO:HG2	9	0.11
(1,1287)	1:34:A:HIS:HA	1:37:A:ASN:HB3	18	0.11
(1,1259)	1:49:A:VAL:HG21	1:50:A:LEU:H	10	0.11
(1,1259)	1:49:A:VAL:HG22	1:50:A:LEU:H	10	0.11
(1,1259)	1:49:A:VAL:HG23	1:50:A:LEU:H	10	0.11
(1,1255)	1:24:A:VAL:HG11	1:25:A:GLU:HA	14	0.11
(1,1255)	1:24:A:VAL:HG12	1:25:A:GLU:HA	14	0.11
(1,1255)	1:24:A:VAL:HG13	1:25:A:GLU:HA	14	0.11
(1,1233)	1:103:A:THR:HG21	1:104:A:PRO:HD3	8	0.11
(1,1233)	1:103:A:THR:HG22	1:104:A:PRO:HD3	8	0.11
(1,1233)	1:103:A:THR:HG23	1:104:A:PRO:HD3	8	0.11
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG11	8	0.11
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG12	8	0.11
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG13	8	0.11
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG11	12	0.11
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG12	12	0.11
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG13	12	0.11
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG11	14	0.11
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG12	14	0.11
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG13	14	0.11
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG11	17	0.11
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG12	17	0.11
(1,1214)	1:62:A:ARG:HG3	1:75:A:VAL:HG13	17	0.11
(1,1180)	1:74:A:VAL:HG21	1:111:A:LEU:H	15	0.11
(1,1180)	1:74:A:VAL:HG22	1:111:A:LEU:H	15	0.11
(1,1180)	1:74:A:VAL:HG23	1:111:A:LEU:H	15	0.11
(1,1180)	1:74:A:VAL:HG21	1:111:A:LEU:H	16	0.11
(1,1180)	1:74:A:VAL:HG22	1:111:A:LEU:H	16	0.11
(1,1180)	1:74:A:VAL:HG23	1:111:A:LEU:H	16	0.11
(1,1169)	1:74:A:VAL:HG21	1:113:A:ARG:HD2	5	0.11
(1,1169)	1:74:A:VAL:HG21	1:113:A:ARG:HD3	5	0.11
(1,1169)	1:74:A:VAL:HG22	1:113:A:ARG:HD2	5	0.11
(1,1169)	1:74:A:VAL:HG22	1:113:A:ARG:HD3	5	0.11
(1,1169)	1:74:A:VAL:HG23	1:113:A:ARG:HD2	5	0.11
(1,1169)	1:74:A:VAL:HG23	1:113:A:ARG:HD3	5	0.11
(1,1155)	1:9:A:VAL:HA	1:42:A:LEU:HB2	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1150)	1:8:A:PRO:HA	1:10:A:LEU:HD21	12	0.11
(1,1150)	1:8:A:PRO:HA	1:10:A:LEU:HD22	12	0.11
(1,1150)	1:8:A:PRO:HA	1:10:A:LEU:HD23	12	0.11
(1,1127)	1:24:A:VAL:HG11	1:79:A:ALA:HB1	11	0.11
(1,1127)	1:24:A:VAL:HG11	1:79:A:ALA:HB2	11	0.11
(1,1127)	1:24:A:VAL:HG11	1:79:A:ALA:HB3	11	0.11
(1,1127)	1:24:A:VAL:HG12	1:79:A:ALA:HB1	11	0.11
(1,1127)	1:24:A:VAL:HG12	1:79:A:ALA:HB2	11	0.11
(1,1127)	1:24:A:VAL:HG12	1:79:A:ALA:HB3	11	0.11
(1,1127)	1:24:A:VAL:HG13	1:79:A:ALA:HB1	11	0.11
(1,1127)	1:24:A:VAL:HG13	1:79:A:ALA:HB2	11	0.11
(1,1127)	1:24:A:VAL:HG13	1:79:A:ALA:HB3	11	0.11
(1,1073)	1:12:A:VAL:HA	1:53:A:LEU:HD11	7	0.11
(1,1073)	1:12:A:VAL:HA	1:53:A:LEU:HD12	7	0.11
(1,1073)	1:12:A:VAL:HA	1:53:A:LEU:HD13	7	0.11
(1,1073)	1:12:A:VAL:HA	1:53:A:LEU:HD11	11	0.11
(1,1073)	1:12:A:VAL:HA	1:53:A:LEU:HD12	11	0.11
(1,1073)	1:12:A:VAL:HA	1:53:A:LEU:HD13	11	0.11
(1,1067)	1:12:A:VAL:HG21	1:53:A:LEU:HD11	5	0.11
(1,1067)	1:12:A:VAL:HG21	1:53:A:LEU:HD12	5	0.11
(1,1067)	1:12:A:VAL:HG21	1:53:A:LEU:HD13	5	0.11
(1,1067)	1:12:A:VAL:HG22	1:53:A:LEU:HD11	5	0.11
(1,1067)	1:12:A:VAL:HG22	1:53:A:LEU:HD12	5	0.11
(1,1067)	1:12:A:VAL:HG22	1:53:A:LEU:HD13	5	0.11
(1,1067)	1:12:A:VAL:HG23	1:53:A:LEU:HD11	5	0.11
(1,1067)	1:12:A:VAL:HG23	1:53:A:LEU:HD12	5	0.11
(1,1067)	1:12:A:VAL:HG23	1:53:A:LEU:HD13	5	0.11
(1,1067)	1:12:A:VAL:HG21	1:53:A:LEU:HD11	9	0.11
(1,1067)	1:12:A:VAL:HG21	1:53:A:LEU:HD12	9	0.11
(1,1067)	1:12:A:VAL:HG21	1:53:A:LEU:HD13	9	0.11
(1,1067)	1:12:A:VAL:HG22	1:53:A:LEU:HD11	9	0.11
(1,1067)	1:12:A:VAL:HG22	1:53:A:LEU:HD12	9	0.11
(1,1067)	1:12:A:VAL:HG22	1:53:A:LEU:HD13	9	0.11
(1,1067)	1:12:A:VAL:HG23	1:53:A:LEU:HD11	9	0.11
(1,1067)	1:12:A:VAL:HG23	1:53:A:LEU:HD12	9	0.11
(1,1067)	1:12:A:VAL:HG23	1:53:A:LEU:HD13	9	0.11
(1,1053)	1:12:A:VAL:HG21	1:53:A:LEU:HG	10	0.11
(1,1053)	1:12:A:VAL:HG22	1:53:A:LEU:HG	10	0.11
(1,1053)	1:12:A:VAL:HG23	1:53:A:LEU:HG	10	0.11
(1,1043)	1:12:A:VAL:HG21	1:15:A:VAL:H	20	0.11
(1,1043)	1:12:A:VAL:HG22	1:15:A:VAL:H	20	0.11
(1,1043)	1:12:A:VAL:HG23	1:15:A:VAL:H	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1021)	1:16:A:LEU:HD21	1:17:A:VAL:H	14	0.11
(1,1021)	1:16:A:LEU:HD22	1:17:A:VAL:H	14	0.11
(1,1021)	1:16:A:LEU:HD23	1:17:A:VAL:H	14	0.11
(1,1020)	1:66:A:LEU:HA	1:66:A:LEU:HD21	7	0.11
(1,1020)	1:66:A:LEU:HA	1:66:A:LEU:HD22	7	0.11
(1,1020)	1:66:A:LEU:HA	1:66:A:LEU:HD23	7	0.11
(1,1020)	1:66:A:LEU:HA	1:66:A:LEU:HD21	15	0.11
(1,1020)	1:66:A:LEU:HA	1:66:A:LEU:HD22	15	0.11
(1,1020)	1:66:A:LEU:HA	1:66:A:LEU:HD23	15	0.11
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB1	1	0.11
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB2	1	0.11
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB3	1	0.11
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB1	1	0.11
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB2	1	0.11
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB3	1	0.11
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB1	1	0.11
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB2	1	0.11
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB3	1	0.11
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB1	2	0.11
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB2	2	0.11
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB3	2	0.11
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB1	2	0.11
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB2	2	0.11
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB3	2	0.11
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB1	2	0.11
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB2	2	0.11
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB3	2	0.11
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB1	4	0.11
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB2	4	0.11
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB3	4	0.11
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB1	4	0.11
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB2	4	0.11
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB3	4	0.11
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB1	4	0.11
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB2	4	0.11
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB3	4	0.11
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB1	8	0.11
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB2	8	0.11
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB3	8	0.11
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB1	8	0.11
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB2	8	0.11
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB3	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB1	8	0.11
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB2	8	0.11
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB3	8	0.11
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB1	11	0.11
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB2	11	0.11
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB3	11	0.11
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB1	11	0.11
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB2	11	0.11
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB3	11	0.11
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB1	11	0.11
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB2	11	0.11
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB3	11	0.11
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB1	13	0.11
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB2	13	0.11
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB3	13	0.11
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB1	13	0.11
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB2	13	0.11
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB3	13	0.11
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB1	13	0.11
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB2	13	0.11
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB3	13	0.11
(1,1016)	1:28:A:LEU:HG	1:79:A:ALA:HB1	16	0.11
(1,1016)	1:28:A:LEU:HG	1:79:A:ALA:HB2	16	0.11
(1,1016)	1:28:A:LEU:HG	1:79:A:ALA:HB3	16	0.11
(1,999)	1:19:A:GLY:HA2	1:97:A:VAL:HG11	14	0.11
(1,999)	1:19:A:GLY:HA2	1:97:A:VAL:HG12	14	0.11
(1,999)	1:19:A:GLY:HA2	1:97:A:VAL:HG13	14	0.11
(1,995)	1:15:A:VAL:HG21	1:18:A:ARG:HG3	6	0.11
(1,995)	1:15:A:VAL:HG22	1:18:A:ARG:HG3	6	0.11
(1,995)	1:15:A:VAL:HG23	1:18:A:ARG:HG3	6	0.11
(1,994)	1:15:A:VAL:HG21	1:97:A:VAL:HB	10	0.11
(1,994)	1:15:A:VAL:HG22	1:97:A:VAL:HB	10	0.11
(1,994)	1:15:A:VAL:HG23	1:97:A:VAL:HB	10	0.11
(1,994)	1:15:A:VAL:HG21	1:97:A:VAL:HB	16	0.11
(1,994)	1:15:A:VAL:HG22	1:97:A:VAL:HB	16	0.11
(1,994)	1:15:A:VAL:HG23	1:97:A:VAL:HB	16	0.11
(1,934)	1:5:A:LEU:HD11	1:36:A:LYS:H	11	0.11
(1,934)	1:5:A:LEU:HD12	1:36:A:LYS:H	11	0.11
(1,934)	1:5:A:LEU:HD13	1:36:A:LYS:H	11	0.11
(1,934)	1:5:A:LEU:HD21	1:36:A:LYS:H	11	0.11
(1,934)	1:5:A:LEU:HD22	1:36:A:LYS:H	11	0.11
(1,934)	1:5:A:LEU:HD23	1:36:A:LYS:H	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,908)	1:45:A:LEU:HD21	1:92:A:THR:HG21	9	0.11
(1,908)	1:45:A:LEU:HD21	1:92:A:THR:HG22	9	0.11
(1,908)	1:45:A:LEU:HD21	1:92:A:THR:HG23	9	0.11
(1,908)	1:45:A:LEU:HD22	1:92:A:THR:HG21	9	0.11
(1,908)	1:45:A:LEU:HD22	1:92:A:THR:HG22	9	0.11
(1,908)	1:45:A:LEU:HD22	1:92:A:THR:HG23	9	0.11
(1,908)	1:45:A:LEU:HD23	1:92:A:THR:HG21	9	0.11
(1,908)	1:45:A:LEU:HD23	1:92:A:THR:HG22	9	0.11
(1,908)	1:45:A:LEU:HD23	1:92:A:THR:HG23	9	0.11
(1,890)	1:7:A:LEU:HD11	1:8:A:PRO:HD2	15	0.11
(1,890)	1:7:A:LEU:HD12	1:8:A:PRO:HD2	15	0.11
(1,890)	1:7:A:LEU:HD13	1:8:A:PRO:HD2	15	0.11
(1,887)	1:93:A:LEU:HA	1:93:A:LEU:HD21	7	0.11
(1,887)	1:93:A:LEU:HA	1:93:A:LEU:HD22	7	0.11
(1,887)	1:93:A:LEU:HA	1:93:A:LEU:HD23	7	0.11
(1,842)	1:112:A:LEU:HD11	1:114:A:LYS:HG2	7	0.11
(1,842)	1:112:A:LEU:HD11	1:114:A:LYS:HG3	7	0.11
(1,842)	1:112:A:LEU:HD12	1:114:A:LYS:HG2	7	0.11
(1,842)	1:112:A:LEU:HD12	1:114:A:LYS:HG3	7	0.11
(1,842)	1:112:A:LEU:HD13	1:114:A:LYS:HG2	7	0.11
(1,842)	1:112:A:LEU:HD13	1:114:A:LYS:HG3	7	0.11
(1,807)	1:45:A:LEU:HA	1:45:A:LEU:HD11	20	0.11
(1,807)	1:45:A:LEU:HA	1:45:A:LEU:HD12	20	0.11
(1,807)	1:45:A:LEU:HA	1:45:A:LEU:HD13	20	0.11
(1,793)	1:77:A:LEU:H	1:77:A:LEU:HD11	10	0.11
(1,793)	1:77:A:LEU:H	1:77:A:LEU:HD12	10	0.11
(1,793)	1:77:A:LEU:H	1:77:A:LEU:HD13	10	0.11
(1,782)	1:93:A:LEU:HA	1:93:A:LEU:HD11	10	0.11
(1,782)	1:93:A:LEU:HA	1:93:A:LEU:HD12	10	0.11
(1,782)	1:93:A:LEU:HA	1:93:A:LEU:HD13	10	0.11
(1,782)	1:93:A:LEU:HA	1:93:A:LEU:HD11	16	0.11
(1,782)	1:93:A:LEU:HA	1:93:A:LEU:HD12	16	0.11
(1,782)	1:93:A:LEU:HA	1:93:A:LEU:HD13	16	0.11
(1,777)	1:10:A:LEU:HD11	1:41:A:GLY:HA2	20	0.11
(1,777)	1:10:A:LEU:HD12	1:41:A:GLY:HA2	20	0.11
(1,777)	1:10:A:LEU:HD13	1:41:A:GLY:HA2	20	0.11
(1,773)	1:31:A:ALA:HA	1:77:A:LEU:HD11	17	0.11
(1,773)	1:31:A:ALA:HA	1:77:A:LEU:HD12	17	0.11
(1,773)	1:31:A:ALA:HA	1:77:A:LEU:HD13	17	0.11
(1,687)	1:28:A:LEU:H	1:28:A:LEU:HG	7	0.11
(1,687)	1:28:A:LEU:H	1:28:A:LEU:HG	16	0.11
(1,682)	1:8:A:PRO:HG3	1:104:A:PRO:HB3	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,641)	1:23:A:SER:HB2	1:25:A:GLU:H	8	0.11
(1,589)	1:24:A:VAL:HG11	1:25:A:GLU:HB2	10	0.11
(1,589)	1:24:A:VAL:HG12	1:25:A:GLU:HB2	10	0.11
(1,589)	1:24:A:VAL:HG13	1:25:A:GLU:HB2	10	0.11
(1,589)	1:24:A:VAL:HG11	1:25:A:GLU:HB2	12	0.11
(1,589)	1:24:A:VAL:HG12	1:25:A:GLU:HB2	12	0.11
(1,589)	1:24:A:VAL:HG13	1:25:A:GLU:HB2	12	0.11
(1,574)	1:33:A:GLU:H	1:33:A:GLU:HB3	7	0.11
(1,574)	1:33:A:GLU:H	1:33:A:GLU:HB3	12	0.11
(1,567)	1:11:A:GLN:HB3	1:15:A:VAL:H	1	0.11
(1,567)	1:11:A:GLN:HB3	1:15:A:VAL:H	4	0.11
(1,565)	1:11:A:GLN:H	1:11:A:GLN:HB3	11	0.11
(1,513)	1:30:A:GLU:HB2	1:33:A:GLU:H	15	0.11
(1,466)	1:72:A:HIS:HB2	1:73:A:LYS:HG2	5	0.11
(1,466)	1:72:A:HIS:HB3	1:73:A:LYS:HG2	5	0.11
(1,419)	1:62:A:ARG:HD2	1:73:A:LYS:HB2	7	0.11
(1,419)	1:62:A:ARG:HD2	1:73:A:LYS:HB3	7	0.11
(1,419)	1:62:A:ARG:HD3	1:73:A:LYS:HB2	7	0.11
(1,419)	1:62:A:ARG:HD3	1:73:A:LYS:HB3	7	0.11
(1,364)	1:55:A:GLN:HG2	1:57:A:TYR:HE1	1	0.11
(1,364)	1:55:A:GLN:HG2	1:57:A:TYR:HE2	1	0.11
(1,364)	1:55:A:GLN:HG2	1:57:A:TYR:HE1	13	0.11
(1,364)	1:55:A:GLN:HG2	1:57:A:TYR:HE2	13	0.11
(1,364)	1:55:A:GLN:HG2	1:57:A:TYR:HE1	17	0.11
(1,364)	1:55:A:GLN:HG2	1:57:A:TYR:HE2	17	0.11
(1,364)	1:55:A:GLN:HG2	1:57:A:TYR:HE1	19	0.11
(1,364)	1:55:A:GLN:HG2	1:57:A:TYR:HE2	19	0.11
(1,355)	1:4:A:GLN:H	1:4:A:GLN:HG2	1	0.11
(1,355)	1:4:A:GLN:H	1:4:A:GLN:HG3	1	0.11
(1,355)	1:4:A:GLN:H	1:4:A:GLN:HG2	18	0.11
(1,355)	1:4:A:GLN:H	1:4:A:GLN:HG3	18	0.11
(1,333)	1:11:A:GLN:HA	1:11:A:GLN:HG3	11	0.11
(1,298)	1:26:A:GLU:HB2	1:56:A:PRO:HB3	11	0.11
(1,298)	1:26:A:GLU:HB2	1:56:A:PRO:HB3	17	0.11
(1,287)	1:61:A:LYS:HD2	1:78:A:VAL:HB	10	0.11
(1,287)	1:61:A:LYS:HD3	1:78:A:VAL:HB	10	0.11
(1,287)	1:61:A:LYS:HD2	1:78:A:VAL:HB	13	0.11
(1,287)	1:61:A:LYS:HD3	1:78:A:VAL:HB	13	0.11
(1,277)	1:18:A:ARG:HD3	1:54:A:GLU:HG2	5	0.11
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB1	5	0.11
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB2	5	0.11
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB3	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB1	6	0.11
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB2	6	0.11
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB3	6	0.11
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB1	8	0.11
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB2	8	0.11
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB3	8	0.11
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB1	17	0.11
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB2	17	0.11
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB3	17	0.11
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB1	19	0.11
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB2	19	0.11
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB3	19	0.11
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB1	20	0.11
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB2	20	0.11
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB3	20	0.11
(1,231)	1:78:A:VAL:HG21	1:80:A:GLU:HG2	12	0.11
(1,231)	1:78:A:VAL:HG21	1:80:A:GLU:HG3	12	0.11
(1,231)	1:78:A:VAL:HG22	1:80:A:GLU:HG2	12	0.11
(1,231)	1:78:A:VAL:HG22	1:80:A:GLU:HG3	12	0.11
(1,231)	1:78:A:VAL:HG23	1:80:A:GLU:HG2	12	0.11
(1,231)	1:78:A:VAL:HG23	1:80:A:GLU:HG3	12	0.11
(1,211)	1:43:A:VAL:HG11	1:44:A:GLU:HG2	2	0.11
(1,211)	1:43:A:VAL:HG12	1:44:A:GLU:HG2	2	0.11
(1,211)	1:43:A:VAL:HG13	1:44:A:GLU:HG2	2	0.11
(1,165)	1:61:A:LYS:HA	1:61:A:LYS:HE2	2	0.11
(1,165)	1:61:A:LYS:HA	1:61:A:LYS:HE3	2	0.11
(1,165)	1:61:A:LYS:HA	1:61:A:LYS:HE2	8	0.11
(1,165)	1:61:A:LYS:HA	1:61:A:LYS:HE3	8	0.11
(1,165)	1:61:A:LYS:HA	1:61:A:LYS:HE2	10	0.11
(1,165)	1:61:A:LYS:HA	1:61:A:LYS:HE3	10	0.11
(1,165)	1:61:A:LYS:HA	1:61:A:LYS:HE2	13	0.11
(1,165)	1:61:A:LYS:HA	1:61:A:LYS:HE3	13	0.11
(1,165)	1:61:A:LYS:HA	1:61:A:LYS:HE2	19	0.11
(1,165)	1:61:A:LYS:HA	1:61:A:LYS:HE3	19	0.11
(1,162)	1:61:A:LYS:HE2	1:78:A:VAL:HB	9	0.11
(1,162)	1:61:A:LYS:HE3	1:78:A:VAL:HB	9	0.11
(1,162)	1:61:A:LYS:HE2	1:78:A:VAL:HB	11	0.11
(1,162)	1:61:A:LYS:HE3	1:78:A:VAL:HB	11	0.11
(1,162)	1:61:A:LYS:HE2	1:78:A:VAL:HB	12	0.11
(1,162)	1:61:A:LYS:HE3	1:78:A:VAL:HB	12	0.11
(1,144)	1:73:A:LYS:HE2	1:93:A:LEU:HD21	4	0.11
(1,144)	1:73:A:LYS:HE2	1:93:A:LEU:HD22	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,144)	1:73:A:LYS:HE2	1:93:A:LEU:HD23	4	0.11
(1,144)	1:73:A:LYS:HE3	1:93:A:LEU:HD21	4	0.11
(1,144)	1:73:A:LYS:HE3	1:93:A:LEU:HD22	4	0.11
(1,144)	1:73:A:LYS:HE3	1:93:A:LEU:HD23	4	0.11
(1,131)	1:108:A:ARG:H	1:108:A:ARG:HD2	5	0.11
(1,103)	1:18:A:ARG:HD2	1:53:A:LEU:HD11	8	0.11
(1,103)	1:18:A:ARG:HD2	1:53:A:LEU:HD12	8	0.11
(1,103)	1:18:A:ARG:HD2	1:53:A:LEU:HD13	8	0.11
(1,97)	1:4:A:GLN:HG2	1:111:A:LEU:HB2	2	0.11
(1,97)	1:4:A:GLN:HG3	1:111:A:LEU:HB2	2	0.11
(1,97)	1:4:A:GLN:HG2	1:111:A:LEU:HB2	20	0.11
(1,97)	1:4:A:GLN:HG3	1:111:A:LEU:HB2	20	0.11
(1,86)	1:88:A:ARG:HA	1:88:A:ARG:HD2	1	0.11
(1,86)	1:88:A:ARG:HA	1:88:A:ARG:HD3	1	0.11
(1,77)	1:113:A:ARG:HA	1:113:A:ARG:HD2	9	0.11
(1,77)	1:113:A:ARG:HA	1:113:A:ARG:HD3	9	0.11
(1,77)	1:113:A:ARG:HA	1:113:A:ARG:HD2	14	0.11
(1,77)	1:113:A:ARG:HA	1:113:A:ARG:HD3	14	0.11
(1,77)	1:113:A:ARG:HA	1:113:A:ARG:HD2	19	0.11
(1,77)	1:113:A:ARG:HA	1:113:A:ARG:HD3	19	0.11
(1,66)	1:10:A:LEU:HG	1:41:A:GLY:HA2	20	0.11
(1,43)	1:47:A:LYS:HG3	1:48:A:GLY:HA3	6	0.11
(1,13)	1:35:A:LEU:HD11	1:38:A:GLY:HA2	14	0.11
(1,13)	1:35:A:LEU:HD11	1:38:A:GLY:HA3	14	0.11
(1,13)	1:35:A:LEU:HD12	1:38:A:GLY:HA2	14	0.11
(1,13)	1:35:A:LEU:HD12	1:38:A:GLY:HA3	14	0.11
(1,13)	1:35:A:LEU:HD13	1:38:A:GLY:HA2	14	0.11
(1,13)	1:35:A:LEU:HD13	1:38:A:GLY:HA3	14	0.11
(1,13)	1:35:A:LEU:HD11	1:38:A:GLY:HA2	15	0.11
(1,13)	1:35:A:LEU:HD11	1:38:A:GLY:HA3	15	0.11
(1,13)	1:35:A:LEU:HD12	1:38:A:GLY:HA2	15	0.11
(1,13)	1:35:A:LEU:HD12	1:38:A:GLY:HA3	15	0.11
(1,13)	1:35:A:LEU:HD13	1:38:A:GLY:HA2	15	0.11
(1,13)	1:35:A:LEU:HD13	1:38:A:GLY:HA3	15	0.11
(1,2527)	1:61:A:LYS:HD2	1:86:A:TYR:HE1	14	0.1
(1,2527)	1:61:A:LYS:HD2	1:86:A:TYR:HE2	14	0.1
(1,2527)	1:61:A:LYS:HD3	1:86:A:TYR:HE1	14	0.1
(1,2527)	1:61:A:LYS:HD3	1:86:A:TYR:HE2	14	0.1
(1,2525)	1:61:A:LYS:HE2	1:86:A:TYR:HE1	2	0.1
(1,2525)	1:61:A:LYS:HE2	1:86:A:TYR:HE2	2	0.1
(1,2525)	1:61:A:LYS:HE3	1:86:A:TYR:HE1	2	0.1
(1,2525)	1:61:A:LYS:HE3	1:86:A:TYR:HE2	2	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2525)	1:61:A:LYS:HE2	1:86:A:TYR:HE1	18	0.1
(1,2525)	1:61:A:LYS:HE2	1:86:A:TYR:HE2	18	0.1
(1,2525)	1:61:A:LYS:HE3	1:86:A:TYR:HE1	18	0.1
(1,2525)	1:61:A:LYS:HE3	1:86:A:TYR:HE2	18	0.1
(1,2519)	1:50:A:LEU:HA	1:57:A:TYR:HE1	5	0.1
(1,2519)	1:50:A:LEU:HA	1:57:A:TYR:HE2	5	0.1
(1,2517)	1:54:A:GLU:HA	1:57:A:TYR:HE1	18	0.1
(1,2517)	1:54:A:GLU:HA	1:57:A:TYR:HE2	18	0.1
(1,2470)	1:59:A:PHE:HE1	1:95:A:VAL:HB	6	0.1
(1,2470)	1:59:A:PHE:HE2	1:95:A:VAL:HB	6	0.1
(1,2470)	1:59:A:PHE:HE1	1:95:A:VAL:HB	9	0.1
(1,2470)	1:59:A:PHE:HE2	1:95:A:VAL:HB	9	0.1
(1,2464)	1:20:A:PHE:HD1	1:34:A:HIS:HD2	11	0.1
(1,2464)	1:20:A:PHE:HD2	1:34:A:HIS:HD2	11	0.1
(1,2454)	1:59:A:PHE:HD1	1:95:A:VAL:HB	2	0.1
(1,2454)	1:59:A:PHE:HD2	1:95:A:VAL:HB	2	0.1
(1,2454)	1:59:A:PHE:HD1	1:95:A:VAL:HB	8	0.1
(1,2454)	1:59:A:PHE:HD2	1:95:A:VAL:HB	8	0.1
(1,2454)	1:59:A:PHE:HD1	1:95:A:VAL:HB	18	0.1
(1,2454)	1:59:A:PHE:HD2	1:95:A:VAL:HB	18	0.1
(1,2443)	1:86:A:TYR:HA	1:86:A:TYR:HD1	17	0.1
(1,2443)	1:86:A:TYR:HA	1:86:A:TYR:HD2	17	0.1
(1,2428)	1:57:A:TYR:HD1	1:59:A:PHE:HE1	10	0.1
(1,2428)	1:57:A:TYR:HD1	1:59:A:PHE:HE2	10	0.1
(1,2428)	1:57:A:TYR:HD2	1:59:A:PHE:HE1	10	0.1
(1,2428)	1:57:A:TYR:HD2	1:59:A:PHE:HE2	10	0.1
(1,2417)	1:60:A:ILE:HG21	1:94:A:GLY:H	5	0.1
(1,2417)	1:60:A:ILE:HG22	1:94:A:GLY:H	5	0.1
(1,2417)	1:60:A:ILE:HG23	1:94:A:GLY:H	5	0.1
(1,2417)	1:60:A:ILE:HG21	1:94:A:GLY:H	6	0.1
(1,2417)	1:60:A:ILE:HG22	1:94:A:GLY:H	6	0.1
(1,2417)	1:60:A:ILE:HG23	1:94:A:GLY:H	6	0.1
(1,2417)	1:60:A:ILE:HG21	1:94:A:GLY:H	12	0.1
(1,2417)	1:60:A:ILE:HG22	1:94:A:GLY:H	12	0.1
(1,2417)	1:60:A:ILE:HG23	1:94:A:GLY:H	12	0.1
(1,2417)	1:60:A:ILE:HG21	1:94:A:GLY:H	15	0.1
(1,2417)	1:60:A:ILE:HG22	1:94:A:GLY:H	15	0.1
(1,2417)	1:60:A:ILE:HG23	1:94:A:GLY:H	15	0.1
(1,2417)	1:60:A:ILE:HG21	1:94:A:GLY:H	16	0.1
(1,2417)	1:60:A:ILE:HG22	1:94:A:GLY:H	16	0.1
(1,2417)	1:60:A:ILE:HG23	1:94:A:GLY:H	16	0.1
(1,2417)	1:60:A:ILE:HG21	1:94:A:GLY:H	17	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2417)	1:60:A:ILE:HG22	1:94:A:GLY:H	17	0.1
(1,2417)	1:60:A:ILE:HG23	1:94:A:GLY:H	17	0.1
(1,2417)	1:60:A:ILE:HG21	1:94:A:GLY:H	18	0.1
(1,2417)	1:60:A:ILE:HG22	1:94:A:GLY:H	18	0.1
(1,2417)	1:60:A:ILE:HG23	1:94:A:GLY:H	18	0.1
(1,2417)	1:60:A:ILE:HG21	1:94:A:GLY:H	19	0.1
(1,2417)	1:60:A:ILE:HG22	1:94:A:GLY:H	19	0.1
(1,2417)	1:60:A:ILE:HG23	1:94:A:GLY:H	19	0.1
(1,2417)	1:60:A:ILE:HG21	1:94:A:GLY:H	20	0.1
(1,2417)	1:60:A:ILE:HG22	1:94:A:GLY:H	20	0.1
(1,2417)	1:60:A:ILE:HG23	1:94:A:GLY:H	20	0.1
(1,2361)	1:4:A:GLN:HE21	1:109:A:ASN:HD22	12	0.1
(1,2353)	1:84:A:ILE:HG21	1:85:A:GLN:HE22	12	0.1
(1,2353)	1:84:A:ILE:HG22	1:85:A:GLN:HE22	12	0.1
(1,2353)	1:84:A:ILE:HG23	1:85:A:GLN:HE22	12	0.1
(1,2352)	1:4:A:GLN:HE22	1:111:A:LEU:HD11	3	0.1
(1,2352)	1:4:A:GLN:HE22	1:111:A:LEU:HD12	3	0.1
(1,2352)	1:4:A:GLN:HE22	1:111:A:LEU:HD13	3	0.1
(1,2351)	1:4:A:GLN:HE22	1:5:A:LEU:H	7	0.1
(1,2347)	1:23:A:SER:H	1:23:A:SER:HB3	13	0.1
(1,2341)	1:11:A:GLN:HE22	1:12:A:VAL:HG11	12	0.1
(1,2341)	1:11:A:GLN:HE22	1:12:A:VAL:HG12	12	0.1
(1,2341)	1:11:A:GLN:HE22	1:12:A:VAL:HG13	12	0.1
(1,2281)	1:41:A:GLY:H	1:99:A:HIS:HB3	1	0.1
(1,2250)	1:24:A:VAL:HG11	1:28:A:LEU:H	11	0.1
(1,2250)	1:24:A:VAL:HG12	1:28:A:LEU:H	11	0.1
(1,2250)	1:24:A:VAL:HG13	1:28:A:LEU:H	11	0.1
(1,2177)	1:20:A:PHE:HE1	1:34:A:HIS:H	11	0.1
(1,2177)	1:20:A:PHE:HE2	1:34:A:HIS:H	11	0.1
(1,2097)	1:3:A:VAL:H	1:112:A:LEU:HB2	2	0.1
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG11	15	0.1
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG12	15	0.1
(1,2038)	1:27:A:ALA:H	1:58:A:VAL:HG13	15	0.1
(1,2030)	1:92:A:THR:HG21	1:95:A:VAL:H	9	0.1
(1,2030)	1:92:A:THR:HG22	1:95:A:VAL:H	9	0.1
(1,2030)	1:92:A:THR:HG23	1:95:A:VAL:H	9	0.1
(1,1988)	1:53:A:LEU:H	1:53:A:LEU:HG	4	0.1
(1,1913)	1:73:A:LYS:HD2	1:74:A:VAL:H	9	0.1
(1,1913)	1:73:A:LYS:HD3	1:74:A:VAL:H	9	0.1
(1,1911)	1:74:A:VAL:H	1:74:A:VAL:HB	2	0.1
(1,1891)	1:73:A:LYS:HB2	1:111:A:LEU:H	17	0.1
(1,1891)	1:73:A:LYS:HB3	1:111:A:LEU:H	17	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1824)	1:10:A:LEU:H	1:42:A:LEU:HB2	19	0.1
(1,1813)	1:2:A:HIS:HB2	1:114:A:LYS:H	10	0.1
(1,1751)	1:59:A:PHE:HD1	1:79:A:ALA:HA	12	0.1
(1,1751)	1:59:A:PHE:HD2	1:79:A:ALA:HA	12	0.1
(1,1700)	1:62:A:ARG:HD2	1:91:A:ILE:HD11	17	0.1
(1,1700)	1:62:A:ARG:HD2	1:91:A:ILE:HD12	17	0.1
(1,1700)	1:62:A:ARG:HD2	1:91:A:ILE:HD13	17	0.1
(1,1700)	1:62:A:ARG:HD3	1:91:A:ILE:HD11	17	0.1
(1,1700)	1:62:A:ARG:HD3	1:91:A:ILE:HD12	17	0.1
(1,1700)	1:62:A:ARG:HD3	1:91:A:ILE:HD13	17	0.1
(1,1699)	1:91:A:ILE:HA	1:91:A:ILE:HD11	2	0.1
(1,1699)	1:91:A:ILE:HA	1:91:A:ILE:HD12	2	0.1
(1,1699)	1:91:A:ILE:HA	1:91:A:ILE:HD13	2	0.1
(1,1698)	1:86:A:TYR:HA	1:91:A:ILE:HD11	9	0.1
(1,1698)	1:86:A:TYR:HA	1:91:A:ILE:HD12	9	0.1
(1,1698)	1:86:A:TYR:HA	1:91:A:ILE:HD13	9	0.1
(1,1681)	1:65:A:ALA:HA	1:66:A:LEU:HD11	11	0.1
(1,1681)	1:65:A:ALA:HA	1:66:A:LEU:HD12	11	0.1
(1,1681)	1:65:A:ALA:HA	1:66:A:LEU:HD13	11	0.1
(1,1681)	1:65:A:ALA:HA	1:66:A:LEU:HD11	16	0.1
(1,1681)	1:65:A:ALA:HA	1:66:A:LEU:HD12	16	0.1
(1,1681)	1:65:A:ALA:HA	1:66:A:LEU:HD13	16	0.1
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG21	1	0.1
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG22	1	0.1
(1,1661)	1:60:A:ILE:HD11	1:92:A:THR:HG23	1	0.1
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG21	1	0.1
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG22	1	0.1
(1,1661)	1:60:A:ILE:HD12	1:92:A:THR:HG23	1	0.1
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG21	1	0.1
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG22	1	0.1
(1,1661)	1:60:A:ILE:HD13	1:92:A:THR:HG23	1	0.1
(1,1640)	1:5:A:LEU:HA	1:111:A:LEU:HA	13	0.1
(1,1640)	1:5:A:LEU:HA	1:111:A:LEU:HA	17	0.1
(1,1628)	1:76:A:GLU:HA	1:113:A:ARG:HD2	12	0.1
(1,1628)	1:76:A:GLU:HA	1:113:A:ARG:HD3	12	0.1
(1,1628)	1:76:A:GLU:HA	1:113:A:ARG:HD2	18	0.1
(1,1628)	1:76:A:GLU:HA	1:113:A:ARG:HD3	18	0.1
(1,1614)	1:27:A:ALA:HA	1:79:A:ALA:HB1	10	0.1
(1,1614)	1:27:A:ALA:HA	1:79:A:ALA:HB2	10	0.1
(1,1614)	1:27:A:ALA:HA	1:79:A:ALA:HB3	10	0.1
(1,1595)	1:80:A:GLU:HA	1:86:A:TYR:HD1	3	0.1
(1,1595)	1:80:A:GLU:HA	1:86:A:TYR:HD2	3	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1595)	1:80:A:GLU:HA	1:86:A:TYR:HD1	13	0.1
(1,1595)	1:80:A:GLU:HA	1:86:A:TYR:HD2	13	0.1
(1,1547)	1:84:A:ILE:HG21	1:86:A:TYR:HE1	6	0.1
(1,1547)	1:84:A:ILE:HG21	1:86:A:TYR:HE2	6	0.1
(1,1547)	1:84:A:ILE:HG22	1:86:A:TYR:HE1	6	0.1
(1,1547)	1:84:A:ILE:HG22	1:86:A:TYR:HE2	6	0.1
(1,1547)	1:84:A:ILE:HG23	1:86:A:TYR:HE1	6	0.1
(1,1547)	1:84:A:ILE:HG23	1:86:A:TYR:HE2	6	0.1
(1,1547)	1:84:A:ILE:HG21	1:86:A:TYR:HE1	11	0.1
(1,1547)	1:84:A:ILE:HG21	1:86:A:TYR:HE2	11	0.1
(1,1547)	1:84:A:ILE:HG22	1:86:A:TYR:HE1	11	0.1
(1,1547)	1:84:A:ILE:HG22	1:86:A:TYR:HE2	11	0.1
(1,1547)	1:84:A:ILE:HG23	1:86:A:TYR:HE1	11	0.1
(1,1547)	1:84:A:ILE:HG23	1:86:A:TYR:HE2	11	0.1
(1,1538)	1:59:A:PHE:HA	1:60:A:ILE:HB	14	0.1
(1,1535)	1:84:A:ILE:HG21	1:86:A:TYR:H	7	0.1
(1,1535)	1:84:A:ILE:HG22	1:86:A:TYR:H	7	0.1
(1,1535)	1:84:A:ILE:HG23	1:86:A:TYR:H	7	0.1
(1,1535)	1:84:A:ILE:HG21	1:86:A:TYR:H	10	0.1
(1,1535)	1:84:A:ILE:HG22	1:86:A:TYR:H	10	0.1
(1,1535)	1:84:A:ILE:HG23	1:86:A:TYR:H	10	0.1
(1,1535)	1:84:A:ILE:HG21	1:86:A:TYR:H	14	0.1
(1,1535)	1:84:A:ILE:HG22	1:86:A:TYR:H	14	0.1
(1,1535)	1:84:A:ILE:HG23	1:86:A:TYR:H	14	0.1
(1,1482)	1:61:A:LYS:HE2	1:91:A:ILE:HG21	18	0.1
(1,1482)	1:61:A:LYS:HE2	1:91:A:ILE:HG22	18	0.1
(1,1482)	1:61:A:LYS:HE2	1:91:A:ILE:HG23	18	0.1
(1,1482)	1:61:A:LYS:HE3	1:91:A:ILE:HG21	18	0.1
(1,1482)	1:61:A:LYS:HE3	1:91:A:ILE:HG22	18	0.1
(1,1482)	1:61:A:LYS:HE3	1:91:A:ILE:HG23	18	0.1
(1,1478)	1:62:A:ARG:H	1:91:A:ILE:HG21	16	0.1
(1,1478)	1:62:A:ARG:H	1:91:A:ILE:HG22	16	0.1
(1,1478)	1:62:A:ARG:H	1:91:A:ILE:HG23	16	0.1
(1,1469)	1:31:A:ALA:HB1	1:77:A:LEU:HA	11	0.1
(1,1469)	1:31:A:ALA:HB2	1:77:A:LEU:HA	11	0.1
(1,1469)	1:31:A:ALA:HB3	1:77:A:LEU:HA	11	0.1
(1,1450)	1:60:A:ILE:HG21	1:92:A:THR:HG21	6	0.1
(1,1450)	1:60:A:ILE:HG21	1:92:A:THR:HG22	6	0.1
(1,1450)	1:60:A:ILE:HG21	1:92:A:THR:HG23	6	0.1
(1,1450)	1:60:A:ILE:HG22	1:92:A:THR:HG21	6	0.1
(1,1450)	1:60:A:ILE:HG22	1:92:A:THR:HG22	6	0.1
(1,1450)	1:60:A:ILE:HG22	1:92:A:THR:HG23	6	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1450)	1:60:A:ILE:HG23	1:92:A:THR:HG21	6	0.1
(1,1450)	1:60:A:ILE:HG23	1:92:A:THR:HG22	6	0.1
(1,1450)	1:60:A:ILE:HG23	1:92:A:THR:HG23	6	0.1
(1,1450)	1:60:A:ILE:HG21	1:92:A:THR:HG21	8	0.1
(1,1450)	1:60:A:ILE:HG21	1:92:A:THR:HG22	8	0.1
(1,1450)	1:60:A:ILE:HG21	1:92:A:THR:HG23	8	0.1
(1,1450)	1:60:A:ILE:HG22	1:92:A:THR:HG21	8	0.1
(1,1450)	1:60:A:ILE:HG22	1:92:A:THR:HG22	8	0.1
(1,1450)	1:60:A:ILE:HG22	1:92:A:THR:HG23	8	0.1
(1,1450)	1:60:A:ILE:HG23	1:92:A:THR:HG21	8	0.1
(1,1450)	1:60:A:ILE:HG23	1:92:A:THR:HG22	8	0.1
(1,1450)	1:60:A:ILE:HG23	1:92:A:THR:HG23	8	0.1
(1,1450)	1:60:A:ILE:HG21	1:92:A:THR:HG21	9	0.1
(1,1450)	1:60:A:ILE:HG21	1:92:A:THR:HG22	9	0.1
(1,1450)	1:60:A:ILE:HG21	1:92:A:THR:HG23	9	0.1
(1,1450)	1:60:A:ILE:HG22	1:92:A:THR:HG21	9	0.1
(1,1450)	1:60:A:ILE:HG22	1:92:A:THR:HG22	9	0.1
(1,1450)	1:60:A:ILE:HG22	1:92:A:THR:HG23	9	0.1
(1,1450)	1:60:A:ILE:HG23	1:92:A:THR:HG21	9	0.1
(1,1450)	1:60:A:ILE:HG23	1:92:A:THR:HG22	9	0.1
(1,1450)	1:60:A:ILE:HG23	1:92:A:THR:HG23	9	0.1
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD11	7	0.1
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD12	7	0.1
(1,1433)	1:75:A:VAL:HG21	1:93:A:LEU:HD13	7	0.1
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD11	7	0.1
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD12	7	0.1
(1,1433)	1:75:A:VAL:HG22	1:93:A:LEU:HD13	7	0.1
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD11	7	0.1
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD12	7	0.1
(1,1433)	1:75:A:VAL:HG23	1:93:A:LEU:HD13	7	0.1
(1,1395)	1:65:A:ALA:HB1	1:66:A:LEU:HG	13	0.1
(1,1395)	1:65:A:ALA:HB2	1:66:A:LEU:HG	13	0.1
(1,1395)	1:65:A:ALA:HB3	1:66:A:LEU:HG	13	0.1
(1,1345)	1:100:A:VAL:HG11	1:102:A:GLU:HA	10	0.1
(1,1345)	1:100:A:VAL:HG12	1:102:A:GLU:HA	10	0.1
(1,1345)	1:100:A:VAL:HG13	1:102:A:GLU:HA	10	0.1
(1,1333)	1:102:A:GLU:HA	1:103:A:THR:HG21	15	0.1
(1,1333)	1:102:A:GLU:HA	1:103:A:THR:HG22	15	0.1
(1,1333)	1:102:A:GLU:HA	1:103:A:THR:HG23	15	0.1
(1,1327)	1:59:A:PHE:HD1	1:78:A:VAL:HG21	6	0.1
(1,1327)	1:59:A:PHE:HD1	1:78:A:VAL:HG22	6	0.1
(1,1327)	1:59:A:PHE:HD1	1:78:A:VAL:HG23	6	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1327)	1:59:A:PHE:HD2	1:78:A:VAL:HG21	6	0.1
(1,1327)	1:59:A:PHE:HD2	1:78:A:VAL:HG22	6	0.1
(1,1327)	1:59:A:PHE:HD2	1:78:A:VAL:HG23	6	0.1
(1,1327)	1:59:A:PHE:HD1	1:78:A:VAL:HG21	9	0.1
(1,1327)	1:59:A:PHE:HD1	1:78:A:VAL:HG22	9	0.1
(1,1327)	1:59:A:PHE:HD1	1:78:A:VAL:HG23	9	0.1
(1,1327)	1:59:A:PHE:HD2	1:78:A:VAL:HG21	9	0.1
(1,1327)	1:59:A:PHE:HD2	1:78:A:VAL:HG22	9	0.1
(1,1327)	1:59:A:PHE:HD2	1:78:A:VAL:HG23	9	0.1
(1,1327)	1:59:A:PHE:HD1	1:78:A:VAL:HG21	20	0.1
(1,1327)	1:59:A:PHE:HD1	1:78:A:VAL:HG22	20	0.1
(1,1327)	1:59:A:PHE:HD1	1:78:A:VAL:HG23	20	0.1
(1,1327)	1:59:A:PHE:HD2	1:78:A:VAL:HG21	20	0.1
(1,1327)	1:59:A:PHE:HD2	1:78:A:VAL:HG22	20	0.1
(1,1327)	1:59:A:PHE:HD2	1:78:A:VAL:HG23	20	0.1
(1,1291)	1:3:A:VAL:HG11	1:112:A:LEU:HB2	10	0.1
(1,1291)	1:3:A:VAL:HG12	1:112:A:LEU:HB2	10	0.1
(1,1291)	1:3:A:VAL:HG13	1:112:A:LEU:HB2	10	0.1
(1,1291)	1:3:A:VAL:HG21	1:112:A:LEU:HB2	10	0.1
(1,1291)	1:3:A:VAL:HG22	1:112:A:LEU:HB2	10	0.1
(1,1291)	1:3:A:VAL:HG23	1:112:A:LEU:HB2	10	0.1
(1,1277)	1:39:A:THR:HA	1:39:A:THR:HG21	6	0.1
(1,1277)	1:39:A:THR:HA	1:39:A:THR:HG22	6	0.1
(1,1277)	1:39:A:THR:HA	1:39:A:THR:HG23	6	0.1
(1,1277)	1:39:A:THR:HA	1:39:A:THR:HG21	14	0.1
(1,1277)	1:39:A:THR:HA	1:39:A:THR:HG22	14	0.1
(1,1277)	1:39:A:THR:HA	1:39:A:THR:HG23	14	0.1
(1,1268)	1:59:A:PHE:HD1	1:78:A:VAL:HG11	9	0.1
(1,1268)	1:59:A:PHE:HD1	1:78:A:VAL:HG12	9	0.1
(1,1268)	1:59:A:PHE:HD1	1:78:A:VAL:HG13	9	0.1
(1,1268)	1:59:A:PHE:HD2	1:78:A:VAL:HG11	9	0.1
(1,1268)	1:59:A:PHE:HD2	1:78:A:VAL:HG12	9	0.1
(1,1268)	1:59:A:PHE:HD2	1:78:A:VAL:HG13	9	0.1
(1,1255)	1:24:A:VAL:HG11	1:25:A:GLU:HA	12	0.1
(1,1255)	1:24:A:VAL:HG12	1:25:A:GLU:HA	12	0.1
(1,1255)	1:24:A:VAL:HG13	1:25:A:GLU:HA	12	0.1
(1,1255)	1:24:A:VAL:HG11	1:25:A:GLU:HA	17	0.1
(1,1255)	1:24:A:VAL:HG12	1:25:A:GLU:HA	17	0.1
(1,1255)	1:24:A:VAL:HG13	1:25:A:GLU:HA	17	0.1
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD21	19	0.1
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD22	19	0.1
(1,1230)	1:32:A:ARG:HA	1:35:A:LEU:HD23	19	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1180)	1:74:A:VAL:HG21	1:111:A:LEU:H	4	0.1
(1,1180)	1:74:A:VAL:HG22	1:111:A:LEU:H	4	0.1
(1,1180)	1:74:A:VAL:HG23	1:111:A:LEU:H	4	0.1
(1,1179)	1:100:A:VAL:HA	1:100:A:VAL:HG11	4	0.1
(1,1179)	1:100:A:VAL:HA	1:100:A:VAL:HG12	4	0.1
(1,1179)	1:100:A:VAL:HA	1:100:A:VAL:HG13	4	0.1
(1,1073)	1:12:A:VAL:HA	1:53:A:LEU:HD11	3	0.1
(1,1073)	1:12:A:VAL:HA	1:53:A:LEU:HD12	3	0.1
(1,1073)	1:12:A:VAL:HA	1:53:A:LEU:HD13	3	0.1
(1,1073)	1:12:A:VAL:HA	1:53:A:LEU:HD11	5	0.1
(1,1073)	1:12:A:VAL:HA	1:53:A:LEU:HD12	5	0.1
(1,1073)	1:12:A:VAL:HA	1:53:A:LEU:HD13	5	0.1
(1,1073)	1:12:A:VAL:HA	1:53:A:LEU:HD11	9	0.1
(1,1073)	1:12:A:VAL:HA	1:53:A:LEU:HD12	9	0.1
(1,1073)	1:12:A:VAL:HA	1:53:A:LEU:HD13	9	0.1
(1,1073)	1:12:A:VAL:HA	1:53:A:LEU:HD11	13	0.1
(1,1073)	1:12:A:VAL:HA	1:53:A:LEU:HD12	13	0.1
(1,1073)	1:12:A:VAL:HA	1:53:A:LEU:HD13	13	0.1
(1,1067)	1:12:A:VAL:HG21	1:53:A:LEU:HD11	1	0.1
(1,1067)	1:12:A:VAL:HG21	1:53:A:LEU:HD12	1	0.1
(1,1067)	1:12:A:VAL:HG21	1:53:A:LEU:HD13	1	0.1
(1,1067)	1:12:A:VAL:HG22	1:53:A:LEU:HD11	1	0.1
(1,1067)	1:12:A:VAL:HG22	1:53:A:LEU:HD12	1	0.1
(1,1067)	1:12:A:VAL:HG22	1:53:A:LEU:HD13	1	0.1
(1,1067)	1:12:A:VAL:HG23	1:53:A:LEU:HD11	1	0.1
(1,1067)	1:12:A:VAL:HG23	1:53:A:LEU:HD12	1	0.1
(1,1067)	1:12:A:VAL:HG23	1:53:A:LEU:HD13	1	0.1
(1,1064)	1:18:A:ARG:HA	1:53:A:LEU:HD11	12	0.1
(1,1064)	1:18:A:ARG:HA	1:53:A:LEU:HD12	12	0.1
(1,1064)	1:18:A:ARG:HA	1:53:A:LEU:HD13	12	0.1
(1,1029)	1:43:A:VAL:HA	1:97:A:VAL:HG11	15	0.1
(1,1029)	1:43:A:VAL:HA	1:97:A:VAL:HG12	15	0.1
(1,1029)	1:43:A:VAL:HA	1:97:A:VAL:HG13	15	0.1
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB1	18	0.1
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB2	18	0.1
(1,1018)	1:28:A:LEU:HD21	1:79:A:ALA:HB3	18	0.1
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB1	18	0.1
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB2	18	0.1
(1,1018)	1:28:A:LEU:HD22	1:79:A:ALA:HB3	18	0.1
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB1	18	0.1
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB2	18	0.1
(1,1018)	1:28:A:LEU:HD23	1:79:A:ALA:HB3	18	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1014)	1:24:A:VAL:HB	1:79:A:ALA:HB1	16	0.1
(1,1014)	1:24:A:VAL:HB	1:79:A:ALA:HB2	16	0.1
(1,1014)	1:24:A:VAL:HB	1:79:A:ALA:HB3	16	0.1
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD21	19	0.1
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD22	19	0.1
(1,987)	1:41:A:GLY:HA3	1:96:A:LEU:HD23	19	0.1
(1,858)	1:40:A:CYS:HB3	1:98:A:PRO:HA	3	0.1
(1,848)	1:42:A:LEU:HD21	1:94:A:GLY:HA3	6	0.1
(1,848)	1:42:A:LEU:HD22	1:94:A:GLY:HA3	6	0.1
(1,848)	1:42:A:LEU:HD23	1:94:A:GLY:HA3	6	0.1
(1,831)	1:32:A:ARG:HA	1:77:A:LEU:HD21	11	0.1
(1,831)	1:32:A:ARG:HA	1:77:A:LEU:HD22	11	0.1
(1,831)	1:32:A:ARG:HA	1:77:A:LEU:HD23	11	0.1
(1,831)	1:32:A:ARG:HA	1:77:A:LEU:HD21	17	0.1
(1,831)	1:32:A:ARG:HA	1:77:A:LEU:HD22	17	0.1
(1,831)	1:32:A:ARG:HA	1:77:A:LEU:HD23	17	0.1
(1,798)	1:50:A:LEU:HD11	1:59:A:PHE:HE1	9	0.1
(1,798)	1:50:A:LEU:HD11	1:59:A:PHE:HE2	9	0.1
(1,798)	1:50:A:LEU:HD12	1:59:A:PHE:HE1	9	0.1
(1,798)	1:50:A:LEU:HD12	1:59:A:PHE:HE2	9	0.1
(1,798)	1:50:A:LEU:HD13	1:59:A:PHE:HE1	9	0.1
(1,798)	1:50:A:LEU:HD13	1:59:A:PHE:HE2	9	0.1
(1,792)	1:62:A:ARG:H	1:93:A:LEU:HD11	20	0.1
(1,792)	1:62:A:ARG:H	1:93:A:LEU:HD12	20	0.1
(1,792)	1:62:A:ARG:H	1:93:A:LEU:HD13	20	0.1
(1,782)	1:93:A:LEU:HA	1:93:A:LEU:HD11	6	0.1
(1,782)	1:93:A:LEU:HA	1:93:A:LEU:HD12	6	0.1
(1,782)	1:93:A:LEU:HA	1:93:A:LEU:HD13	6	0.1
(1,782)	1:93:A:LEU:HA	1:93:A:LEU:HD11	12	0.1
(1,782)	1:93:A:LEU:HA	1:93:A:LEU:HD12	12	0.1
(1,782)	1:93:A:LEU:HA	1:93:A:LEU:HD13	12	0.1
(1,782)	1:93:A:LEU:HA	1:93:A:LEU:HD11	17	0.1
(1,782)	1:93:A:LEU:HA	1:93:A:LEU:HD12	17	0.1
(1,782)	1:93:A:LEU:HA	1:93:A:LEU:HD13	17	0.1
(1,782)	1:93:A:LEU:HA	1:93:A:LEU:HD11	19	0.1
(1,782)	1:93:A:LEU:HA	1:93:A:LEU:HD12	19	0.1
(1,782)	1:93:A:LEU:HA	1:93:A:LEU:HD13	19	0.1
(1,782)	1:93:A:LEU:HA	1:93:A:LEU:HD11	20	0.1
(1,782)	1:93:A:LEU:HA	1:93:A:LEU:HD12	20	0.1
(1,782)	1:93:A:LEU:HA	1:93:A:LEU:HD13	20	0.1
(1,781)	1:93:A:LEU:HD11	1:94:A:GLY:H	8	0.1
(1,781)	1:93:A:LEU:HD12	1:94:A:GLY:H	8	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,781)	1:93:A:LEU:HD13	1:94:A:GLY:H	8	0.1
(1,778)	1:10:A:LEU:HD11	1:102:A:GLU:HB3	15	0.1
(1,778)	1:10:A:LEU:HD12	1:102:A:GLU:HB3	15	0.1
(1,778)	1:10:A:LEU:HD13	1:102:A:GLU:HB3	15	0.1
(1,777)	1:10:A:LEU:HD11	1:41:A:GLY:HA2	2	0.1
(1,777)	1:10:A:LEU:HD12	1:41:A:GLY:HA2	2	0.1
(1,777)	1:10:A:LEU:HD13	1:41:A:GLY:HA2	2	0.1
(1,773)	1:31:A:ALA:HA	1:77:A:LEU:HD11	7	0.1
(1,773)	1:31:A:ALA:HA	1:77:A:LEU:HD12	7	0.1
(1,773)	1:31:A:ALA:HA	1:77:A:LEU:HD13	7	0.1
(1,773)	1:31:A:ALA:HA	1:77:A:LEU:HD11	9	0.1
(1,773)	1:31:A:ALA:HA	1:77:A:LEU:HD12	9	0.1
(1,773)	1:31:A:ALA:HA	1:77:A:LEU:HD13	9	0.1
(1,770)	1:75:A:VAL:HA	1:93:A:LEU:HD11	12	0.1
(1,770)	1:75:A:VAL:HA	1:93:A:LEU:HD12	12	0.1
(1,770)	1:75:A:VAL:HA	1:93:A:LEU:HD13	12	0.1
(1,646)	1:2:A:HIS:HA	1:113:A:ARG:HG2	14	0.1
(1,646)	1:2:A:HIS:HA	1:113:A:ARG:HG3	14	0.1
(1,641)	1:23:A:SER:HB2	1:25:A:GLU:H	3	0.1
(1,615)	1:84:A:ILE:H	1:84:A:ILE:HG12	14	0.1
(1,593)	1:24:A:VAL:HG21	1:25:A:GLU:HB2	16	0.1
(1,593)	1:24:A:VAL:HG22	1:25:A:GLU:HB2	16	0.1
(1,593)	1:24:A:VAL:HG23	1:25:A:GLU:HB2	16	0.1
(1,542)	1:61:A:LYS:HD2	1:76:A:GLU:HG2	7	0.1
(1,542)	1:61:A:LYS:HD2	1:76:A:GLU:HG3	7	0.1
(1,542)	1:61:A:LYS:HD3	1:76:A:GLU:HG2	7	0.1
(1,542)	1:61:A:LYS:HD3	1:76:A:GLU:HG3	7	0.1
(1,477)	1:62:A:ARG:HB2	1:91:A:ILE:HA	18	0.1
(1,419)	1:62:A:ARG:HD2	1:73:A:LYS:HB2	3	0.1
(1,419)	1:62:A:ARG:HD2	1:73:A:LYS:HB3	3	0.1
(1,419)	1:62:A:ARG:HD3	1:73:A:LYS:HB2	3	0.1
(1,419)	1:62:A:ARG:HD3	1:73:A:LYS:HB3	3	0.1
(1,393)	1:53:A:LEU:HD11	1:97:A:VAL:HB	14	0.1
(1,393)	1:53:A:LEU:HD12	1:97:A:VAL:HB	14	0.1
(1,393)	1:53:A:LEU:HD13	1:97:A:VAL:HB	14	0.1
(1,374)	1:114:A:LYS:H	1:114:A:LYS:HB3	11	0.1
(1,355)	1:4:A:GLN:H	1:4:A:GLN:HG2	2	0.1
(1,355)	1:4:A:GLN:H	1:4:A:GLN:HG3	2	0.1
(1,355)	1:4:A:GLN:H	1:4:A:GLN:HG2	15	0.1
(1,355)	1:4:A:GLN:H	1:4:A:GLN:HG3	15	0.1
(1,353)	1:75:A:VAL:HG21	1:76:A:GLU:HB2	10	0.1
(1,353)	1:75:A:VAL:HG22	1:76:A:GLU:HB2	10	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,353)	1:75:A:VAL:HG23	1:76:A:GLU:HB2	10	0.1
(1,351)	1:4:A:GLN:HG2	1:72:A:HIS:HB2	17	0.1
(1,351)	1:4:A:GLN:HG2	1:72:A:HIS:HB3	17	0.1
(1,351)	1:4:A:GLN:HG3	1:72:A:HIS:HB2	17	0.1
(1,351)	1:4:A:GLN:HG3	1:72:A:HIS:HB3	17	0.1
(1,347)	1:3:A:VAL:HB	1:4:A:GLN:H	9	0.1
(1,333)	1:11:A:GLN:HA	1:11:A:GLN:HG3	17	0.1
(1,311)	1:33:A:GLU:H	1:33:A:GLU:HG2	18	0.1
(1,297)	1:56:A:PRO:HB3	1:80:A:GLU:H	4	0.1
(1,287)	1:61:A:LYS:HD2	1:78:A:VAL:HB	1	0.1
(1,287)	1:61:A:LYS:HD3	1:78:A:VAL:HB	1	0.1
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB1	4	0.1
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB2	4	0.1
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB3	4	0.1
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB1	15	0.1
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB2	15	0.1
(1,253)	1:30:A:GLU:HG3	1:31:A:ALA:HB3	15	0.1
(1,231)	1:78:A:VAL:HG21	1:80:A:GLU:HG2	7	0.1
(1,231)	1:78:A:VAL:HG21	1:80:A:GLU:HG3	7	0.1
(1,231)	1:78:A:VAL:HG22	1:80:A:GLU:HG2	7	0.1
(1,231)	1:78:A:VAL:HG22	1:80:A:GLU:HG3	7	0.1
(1,231)	1:78:A:VAL:HG23	1:80:A:GLU:HG2	7	0.1
(1,231)	1:78:A:VAL:HG23	1:80:A:GLU:HG3	7	0.1
(1,195)	1:109:A:ASN:HB3	1:110:A:VAL:HG21	14	0.1
(1,195)	1:109:A:ASN:HB3	1:110:A:VAL:HG22	14	0.1
(1,195)	1:109:A:ASN:HB3	1:110:A:VAL:HG23	14	0.1
(1,165)	1:61:A:LYS:HA	1:61:A:LYS:HE2	7	0.1
(1,165)	1:61:A:LYS:HA	1:61:A:LYS:HE3	7	0.1
(1,165)	1:61:A:LYS:HA	1:61:A:LYS:HE2	20	0.1
(1,165)	1:61:A:LYS:HA	1:61:A:LYS:HE3	20	0.1
(1,156)	1:3:A:VAL:HB	1:114:A:LYS:HE2	12	0.1
(1,156)	1:3:A:VAL:HB	1:114:A:LYS:HE3	12	0.1
(1,128)	1:20:A:PHE:HB2	1:58:A:VAL:HG11	12	0.1
(1,128)	1:20:A:PHE:HB2	1:58:A:VAL:HG12	12	0.1
(1,128)	1:20:A:PHE:HB2	1:58:A:VAL:HG13	12	0.1
(1,97)	1:4:A:GLN:HG2	1:111:A:LEU:HB2	1	0.1
(1,97)	1:4:A:GLN:HG3	1:111:A:LEU:HB2	1	0.1
(1,97)	1:4:A:GLN:HG2	1:111:A:LEU:HB2	4	0.1
(1,97)	1:4:A:GLN:HG3	1:111:A:LEU:HB2	4	0.1
(1,97)	1:4:A:GLN:HG2	1:111:A:LEU:HB2	7	0.1
(1,97)	1:4:A:GLN:HG3	1:111:A:LEU:HB2	7	0.1
(1,97)	1:4:A:GLN:HG2	1:111:A:LEU:HB2	8	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,97)	1:4:A:GLN:HG3	1:111:A:LEU:HB2	8	0.1
(1,97)	1:4:A:GLN:HG2	1:111:A:LEU:HB2	9	0.1
(1,97)	1:4:A:GLN:HG3	1:111:A:LEU:HB2	9	0.1
(1,97)	1:4:A:GLN:HG2	1:111:A:LEU:HB2	10	0.1
(1,97)	1:4:A:GLN:HG3	1:111:A:LEU:HB2	10	0.1
(1,97)	1:4:A:GLN:HG2	1:111:A:LEU:HB2	16	0.1
(1,97)	1:4:A:GLN:HG3	1:111:A:LEU:HB2	16	0.1
(1,86)	1:88:A:ARG:HA	1:88:A:ARG:HD2	7	0.1
(1,86)	1:88:A:ARG:HA	1:88:A:ARG:HD3	7	0.1
(1,86)	1:88:A:ARG:HA	1:88:A:ARG:HD2	11	0.1
(1,86)	1:88:A:ARG:HA	1:88:A:ARG:HD3	11	0.1
(1,77)	1:113:A:ARG:HA	1:113:A:ARG:HD2	1	0.1
(1,77)	1:113:A:ARG:HA	1:113:A:ARG:HD3	1	0.1
(1,44)	1:48:A:GLY:HA3	1:51:A:PRO:HD3	5	0.1
(1,13)	1:35:A:LEU:HD11	1:38:A:GLY:HA2	1	0.1
(1,13)	1:35:A:LEU:HD11	1:38:A:GLY:HA3	1	0.1
(1,13)	1:35:A:LEU:HD12	1:38:A:GLY:HA2	1	0.1
(1,13)	1:35:A:LEU:HD12	1:38:A:GLY:HA3	1	0.1
(1,13)	1:35:A:LEU:HD13	1:38:A:GLY:HA2	1	0.1
(1,13)	1:35:A:LEU:HD13	1:38:A:GLY:HA3	1	0.1
(1,7)	1:20:A:PHE:HZ	1:98:A:PRO:HD2	10	0.1

10 Dihedral-angle violation analysis

No dihedral-angle restraints found