Full wwPDB NMR Structure Validation Report

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Title	:	NMR structure of the protein TM1367
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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:

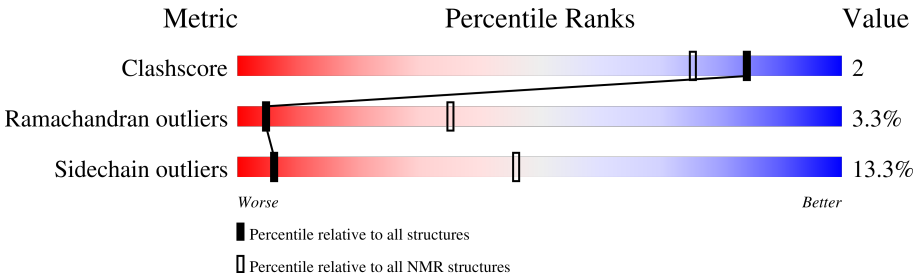
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber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

1 Overall quality at a glance (i)

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

The overall completeness of chemical shifts assignment is 94%.

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



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

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

Mol	Chain	Length	Quality of chain
1	A	124	90% 9% .

2 Ensemble composition and analysis

This entry contains 20 models. Model 16 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:1-A:122 (122)	0.56	16

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 3 clusters and 1 single-model cluster was found.

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

3 Entry composition (i)

There is only 1 type of molecule in this entry. The entry contains 1972 atoms, of which 994 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called uncharacterized protein TM1367.

Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	A	124	1972	632	994	155	186	5	0

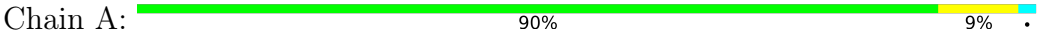
4 Residue-property plots

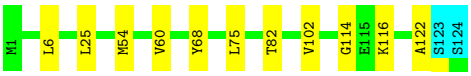
4.1 Average score per residue in the NMR ensemble

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: uncharacterized protein TM1367

Chain A:





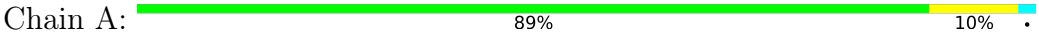
4.2 Scores per residue for each member of the ensemble

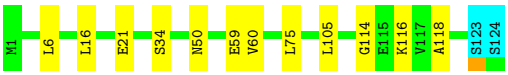
Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

• Molecule 1: uncharacterized protein TM1367

Chain A:





4.2.2 Score per residue for model 2

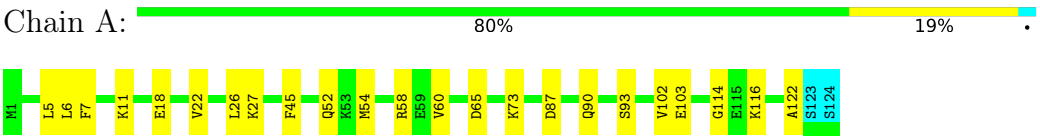
• Molecule 1: uncharacterized protein TM1367

Chain A:

4.2.3 Score per residue for model 3

• Molecule 1: uncharacterized protein TM1367

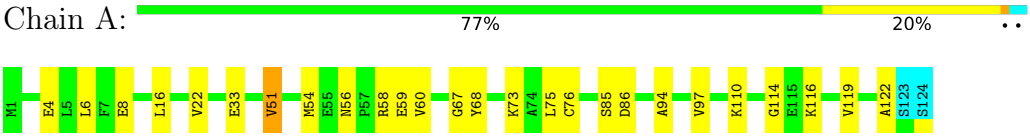
Chain A:



4.2.4 Score per residue for model 4

• Molecule 1: uncharacterized protein TM1367

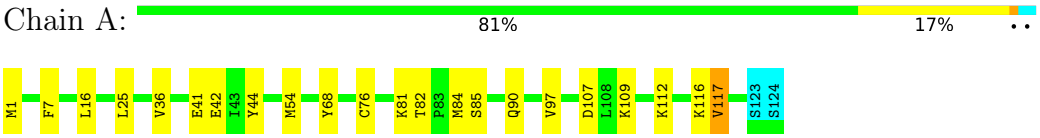
Chain A:



4.2.5 Score per residue for model 5

• Molecule 1: uncharacterized protein TM1367

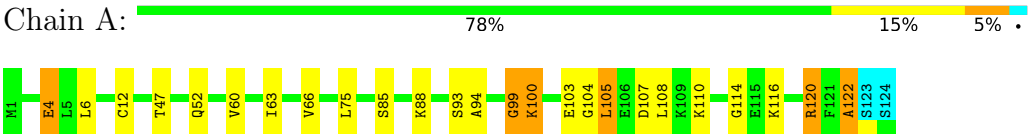
Chain A:



4.2.6 Score per residue for model 6

• Molecule 1: uncharacterized protein TM1367

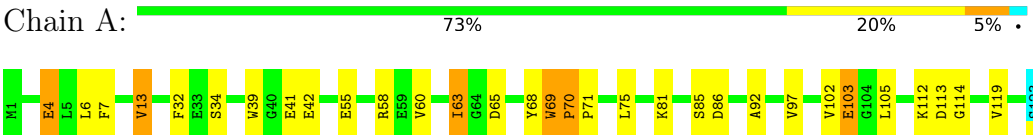
Chain A:



4.2.7 Score per residue for model 7

• Molecule 1: uncharacterized protein TM1367

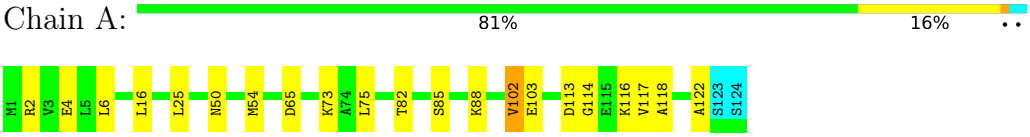
Chain A:



4.2.8 Score per residue for model 8

• Molecule 1: uncharacterized protein TM1367

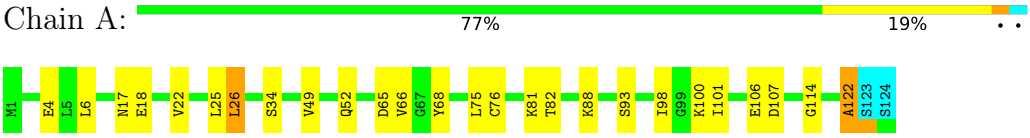
Chain A:



4.2.9 Score per residue for model 9

• Molecule 1: uncharacterized protein TM1367

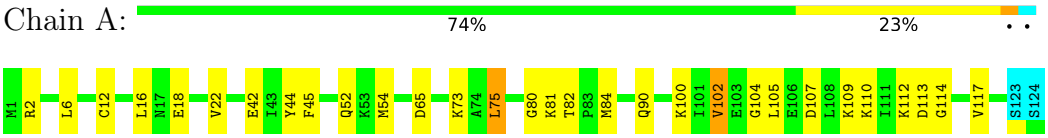
Chain A:



4.2.10 Score per residue for model 10

• Molecule 1: uncharacterized protein TM1367

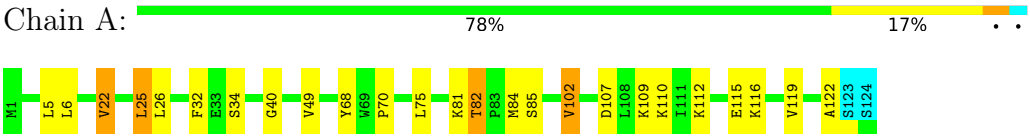
Chain A:



4.2.11 Score per residue for model 11

• Molecule 1: uncharacterized protein TM1367

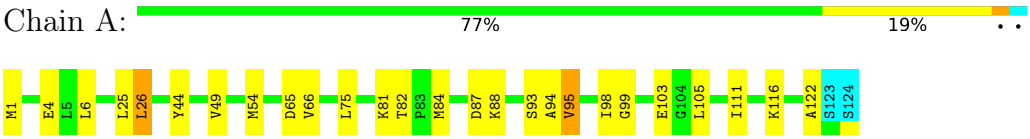
Chain A:



4.2.12 Score per residue for model 12

• Molecule 1: uncharacterized protein TM1367

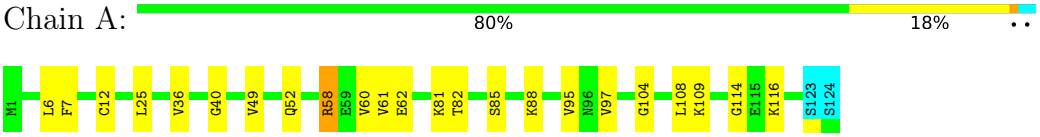
Chain A:



4.2.13 Score per residue for model 13

• Molecule 1: uncharacterized protein TM1367

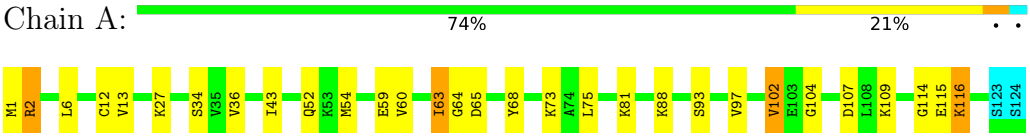
Chain A:



4.2.14 Score per residue for model 14

• Molecule 1: uncharacterized protein TM1367

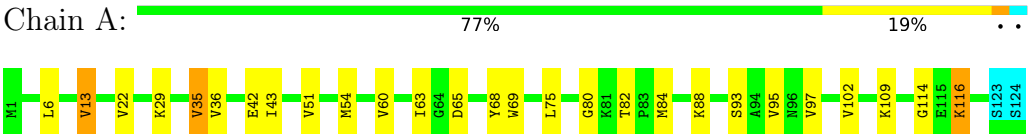
Chain A:



4.2.15 Score per residue for model 15

• Molecule 1: uncharacterized protein TM1367

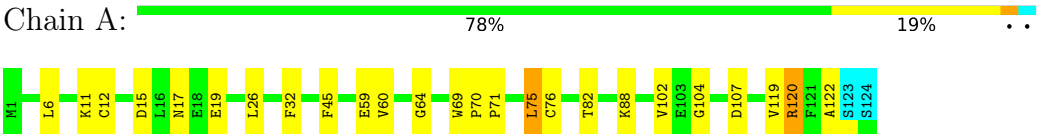
Chain A:



4.2.16 Score per residue for model 16 (medoid)

• Molecule 1: uncharacterized protein TM1367

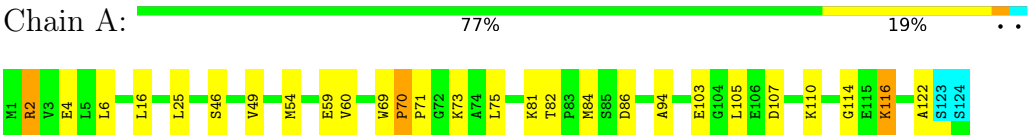
Chain A:



4.2.17 Score per residue for model 17

• Molecule 1: uncharacterized protein TM1367

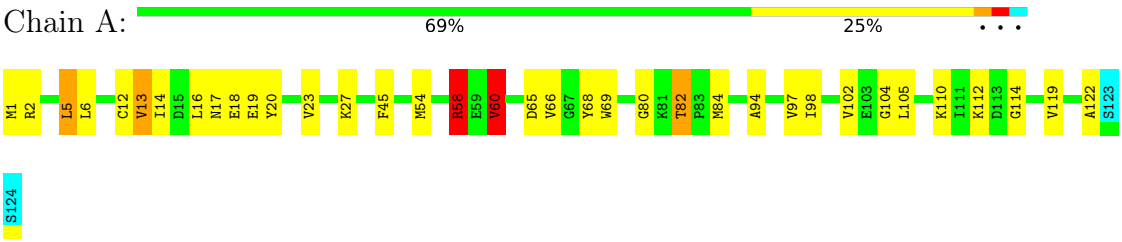
Chain A:



4.2.18 Score per residue for model 18

• Molecule 1: uncharacterized protein TM1367

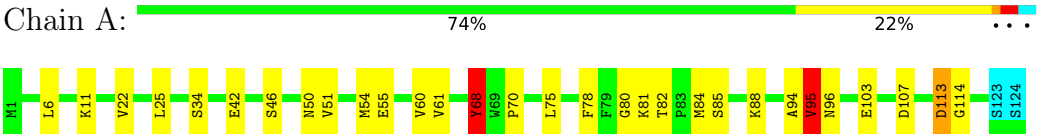
Chain A:



4.2.19 Score per residue for model 19

• Molecule 1: uncharacterized protein TM1367

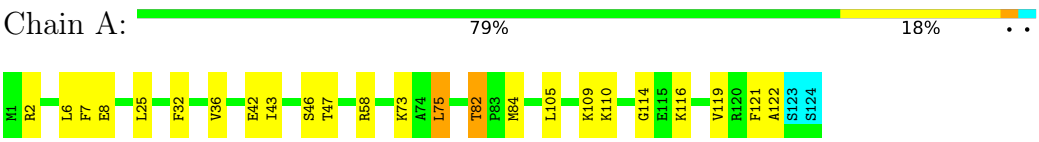
Chain A:



4.2.20 Score per residue for model 20

• Molecule 1: uncharacterized protein TM1367

Chain A:



5 Refinement protocol and experimental data overview

The models were refined using the following method: *TORSION ANGLE DYNAMICS, ENERGY MINIMIZATION.*

Of the 80 calculated structures, 20 were deposited, based on the following criterion: *CYANA TARGET FUNCTION.*

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

Software name	Classification	Version
OPAL	refinement	
CYANA	structure solution	3.0
ATNOS	structure solution	
CANDID	structure solution	2.0

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	1596
Number of shifts mapped to atoms	1596
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	94%

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	0.64±0.02	0±0/986 (0.0± 0.0%)	1.40±0.05	4±2/1333 (0.3± 0.1%)
All	All	0.64	0/19720 (0.0%)	1.40	90/26660 (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	1.1±1.1
All	All	0	23

There are no bond-length outliers.

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

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
1	A	117	VAL	CA-CB-CG1	10.07	127.51	110.40	2	3
1	A	102	VAL	N-CA-C	-9.40	103.56	112.96	14	1
1	A	98	ILE	CA-C-N	8.94	130.42	122.47	9	3
1	A	98	ILE	C-N-CA	8.94	130.42	122.47	9	3
1	A	111	ILE	CB-CA-C	7.83	120.20	111.59	12	1
1	A	65	ASP	CA-CB-CG	7.54	120.14	112.60	9	7
1	A	120	ARG	CD-NE-CZ	7.21	134.50	124.40	6	1
1	A	102	VAL	CA-CB-CG1	6.88	122.10	110.40	11	3
1	A	13	VAL	CA-CB-CG2	6.81	121.98	110.40	7	3
1	A	95	VAL	N-CA-CB	-6.74	100.12	111.23	19	2
1	A	65	ASP	CA-C-N	6.72	131.31	122.51	9	2
1	A	65	ASP	C-N-CA	6.72	131.31	122.51	9	2
1	A	76	CYS	CA-C-N	6.64	132.34	123.05	16	2
1	A	76	CYS	C-N-CA	6.64	132.34	123.05	16	2
1	A	87	ASP	CA-CB-CG	6.45	119.05	112.60	3	1

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
1	A	95	VAL	CA-C-N	6.16	132.68	122.33	19	1
1	A	95	VAL	C-N-CA	6.16	132.68	122.33	19	1
1	A	51	VAL	CA-CB-CG2	6.12	120.80	110.40	4	1
1	A	69	TRP	CB-CA-C	5.98	116.87	110.65	7	2
1	A	70	PRO	N-CA-C	5.93	117.94	110.70	11	4
1	A	59	GLU	CA-C-N	5.84	129.79	121.96	14	5
1	A	59	GLU	C-N-CA	5.84	129.79	121.96	14	5
1	A	50	ASN	CA-CB-CG	5.81	118.41	112.60	8	2
1	A	22	VAL	CB-CA-C	5.73	119.04	111.70	10	1
1	A	4	GLU	CA-C-N	5.67	131.41	122.34	6	1
1	A	4	GLU	C-N-CA	5.67	131.41	122.34	6	1
1	A	118	ALA	CA-C-N	5.62	128.72	120.91	1	2
1	A	118	ALA	C-N-CA	5.62	128.72	120.91	1	2
1	A	68	TYR	CA-CB-CG	5.61	123.99	113.90	19	1
1	A	90	GLN	CA-C-N	5.56	126.92	120.98	3	3
1	A	90	GLN	C-N-CA	5.56	126.92	120.98	3	3
1	A	121	PHE	CA-C-N	5.46	131.97	121.54	20	1
1	A	121	PHE	C-N-CA	5.46	131.97	121.54	20	1
1	A	36	VAL	N-CA-CB	-5.44	106.84	112.28	13	1
1	A	17	ASN	CA-C-N	5.39	131.84	121.54	9	1
1	A	17	ASN	C-N-CA	5.39	131.84	121.54	9	1
1	A	7	PHE	CA-CB-CG	5.39	119.19	113.80	7	4
1	A	102	VAL	CB-CA-C	5.38	115.80	111.06	14	1
1	A	25	LEU	CA-C-N	5.37	127.48	120.28	11	1
1	A	25	LEU	C-N-CA	5.37	127.48	120.28	11	1
1	A	58	ARG	CD-NE-CZ	5.33	131.86	124.40	18	1
1	A	102	VAL	CG1-CB-CG2	5.19	122.22	110.80	11	1
1	A	115	GLU	CB-CG-CD	-5.16	103.83	112.60	14	1
1	A	119	VAL	N-CA-CB	-5.10	105.16	110.72	4	1
1	A	100	LYS	CA-CB-CG	5.08	124.27	114.10	9	2
1	A	100	LYS	N-CA-C	-5.03	101.95	109.95	6	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	58	ARG	Sidechain	3
1	A	44	TYR	Sidechain	3
1	A	2	ARG	Sidechain	3
1	A	68	TYR	Sidechain	2

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Mol	Chain	Res	Type	Group	Models (Total)
1	A	85	SER	Peptide	2
1	A	99	GLY	Peptide	2
1	A	94	ALA	Peptide	2
1	A	45	PHE	Sidechain	1
1	A	67	GLY	Peptide	1
1	A	65	ASP	Peptide	1
1	A	35	VAL	Peptide	1
1	A	120	ARG	Sidechain	1
1	A	66	VAL	Peptide	1

6.2 Too-close contacts (i)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	966	984	986	4±3
All	All	19320	19680	19720	88

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:68:TYR:H	1:A:95:VAL:HG13	0.80	1.36	19	1
1:A:66:VAL:HG11	1:A:99:GLY:HA3	0.77	1.54	6	1
1:A:36:VAL:HG22	1:A:117:VAL:HG13	0.76	1.57	5	2
1:A:26:LEU:CD2	1:A:49:VAL:HG11	0.67	2.19	9	2
1:A:7:PHE:CE1	1:A:117:VAL:HG12	0.66	2.25	5	2
1:A:36:VAL:HG13	1:A:43:ILE:HG23	0.66	1.68	20	3
1:A:7:PHE:HE1	1:A:117:VAL:HG12	0.66	1.50	5	2
1:A:66:VAL:HG11	1:A:99:GLY:CA	0.64	2.23	6	1
1:A:47:THR:HG21	1:A:75:LEU:HD23	0.63	1.69	6	2
1:A:95:VAL:HG12	1:A:96:ASN:H	0.56	1.60	19	1
1:A:58:ARG:HG2	1:A:97:VAL:HG23	0.56	1.75	13	1
1:A:63:ILE:O	1:A:105:LEU:HD11	0.56	2.00	6	1
1:A:61:VAL:HG21	1:A:78:PHE:CD1	0.56	2.35	19	1
1:A:36:VAL:HG22	1:A:117:VAL:CG1	0.54	2.33	5	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:95:VAL:HG12	1:A:96:ASN:N	0.53	2.17	19	1
1:A:68:TYR:H	1:A:95:VAL:CG1	0.53	2.11	19	1
1:A:58:ARG:CZ	1:A:95:VAL:CG2	0.53	2.87	13	1
1:A:5:LEU:HD12	1:A:119:VAL:HG22	0.53	1.80	18	2
1:A:13:VAL:CG1	1:A:102:VAL:CG2	0.52	2.87	7	3
1:A:17:ASN:O	1:A:23:VAL:HG21	0.52	2.04	18	1
1:A:13:VAL:HG13	1:A:102:VAL:CG2	0.52	2.35	7	1
1:A:4:GLU:CB	1:A:122:ALA:HB2	0.51	2.35	4	1
1:A:4:GLU:HA	1:A:13:VAL:HG23	0.51	1.82	7	1
1:A:58:ARG:CZ	1:A:61:VAL:HG11	0.51	2.36	13	1
1:A:45:PHE:CZ	1:A:75:LEU:HD22	0.51	2.41	10	2
1:A:58:ARG:CG	1:A:97:VAL:HG23	0.50	2.36	13	1
1:A:66:VAL:CG1	1:A:99:GLY:CA	0.49	2.90	6	1
1:A:4:GLU:HB2	1:A:122:ALA:HB2	0.49	1.82	6	6
1:A:58:ARG:HG2	1:A:97:VAL:CG2	0.49	2.37	13	1
1:A:26:LEU:HD22	1:A:49:VAL:HG21	0.49	1.82	11	1
1:A:47:THR:CG2	1:A:75:LEU:HD23	0.49	2.38	6	1
1:A:25:LEU:HD12	1:A:51:VAL:HG12	0.47	1.84	19	1
1:A:70:PRO:CD	1:A:71:PRO:HD3	0.47	2.38	17	4
1:A:22:VAL:HG12	1:A:26:LEU:HD23	0.47	1.86	11	1
1:A:12:CYS:CB	1:A:104:GLY:HA3	0.47	2.40	6	6
1:A:13:VAL:CG1	1:A:102:VAL:HG23	0.47	2.40	7	1
1:A:32:PHE:CE1	1:A:119:VAL:HG11	0.47	2.45	16	4
1:A:22:VAL:HG13	1:A:51:VAL:CG1	0.47	2.40	4	1
1:A:13:VAL:HG12	1:A:103:GLU:HB2	0.46	1.87	7	1
1:A:35:VAL:HG22	1:A:36:VAL:C	0.46	2.35	15	1
1:A:22:VAL:HG13	1:A:51:VAL:HG11	0.45	1.88	4	1
1:A:22:VAL:HB	1:A:51:VAL:HG21	0.45	1.88	15	1
1:A:13:VAL:HG13	1:A:102:VAL:HG22	0.44	1.90	7	1
1:A:4:GLU:CA	1:A:13:VAL:HG23	0.43	2.43	7	1
1:A:63:ILE:O	1:A:63:ILE:HG22	0.43	2.14	7	3
1:A:39:TRP:CH2	1:A:92:ALA:HB2	0.42	2.50	7	1
1:A:58:ARG:HD2	1:A:60:VAL:C	0.42	2.39	18	1
1:A:112:LYS:H	1:A:115:GLU:HG3	0.42	1.74	11	1
1:A:58:ARG:NH1	1:A:61:VAL:HG11	0.42	2.29	13	1
1:A:6:LEU:HB3	1:A:118:ALA:HB3	0.42	1.91	2	1
1:A:14:ILE:CD1	1:A:16:LEU:HD21	0.42	2.45	18	1
1:A:20:TYR:HB2	1:A:23:VAL:HG23	0.41	1.91	18	1
1:A:58:ARG:CZ	1:A:95:VAL:HG23	0.41	2.45	13	1
1:A:95:VAL:CG1	1:A:96:ASN:H	0.40	2.27	19	1
1:A:36:VAL:HG13	1:A:43:ILE:CG2	0.40	2.44	20	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:70:PRO:N	1:A:71:PRO:CD	0.40	2.85	7	1
1:A:12:CYS:HB3	1:A:104:GLY:HA3	0.40	1.93	10	1
1:A:5:LEU:CD1	1:A:119:VAL:HG22	0.40	2.47	18	1

6.3 Torsion angles (i)

6.3.1 Protein backbone (i)

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	121/124 (98%)	100±4 (82±3%)	17±3 (14±3%)	4±1 (3±1%)	5	35
All	All	2420/2480 (98%)	1994 (82%)	346 (14%)	80 (3%)	5	35

All 18 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	114	GLY	16
1	A	116	LYS	13
1	A	122	ALA	8
1	A	97	VAL	6
1	A	80	GLY	5
1	A	113	ASP	4
1	A	18	GLU	4
1	A	94	ALA	4
1	A	82	THR	4
1	A	40	GLY	3
1	A	64	GLY	3
1	A	95	VAL	3
1	A	63	ILE	2
1	A	41	GLU	1
1	A	101	ILE	1
1	A	93	SER	1
1	A	73	LYS	1
1	A	60	VAL	1

6.3.2 Protein sidechains (i)

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
1	A	108/110 (98%)	94±3 (87±3%)	14±3 (13±3%)	6 46
All	All	2160/2200 (98%)	1872 (87%)	288 (13%)	6 46

All 62 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	6	LEU	18
1	A	75	LEU	15
1	A	60	VAL	12
1	A	82	THR	12
1	A	54	MET	11
1	A	84	MET	10
1	A	107	ASP	10
1	A	81	LYS	10
1	A	25	LEU	9
1	A	88	LYS	9
1	A	105	LEU	8
1	A	103	GLU	8
1	A	73	LYS	7
1	A	85	SER	7
1	A	110	LYS	7
1	A	109	LYS	7
1	A	68	TYR	7
1	A	16	LEU	6
1	A	34	SER	6
1	A	52	GLN	6
1	A	102	VAL	6
1	A	42	GLU	6
1	A	69	TRP	5
1	A	93	SER	5
1	A	2	ARG	5
1	A	86	ASP	4
1	A	22	VAL	4
1	A	26	LEU	4
1	A	116	LYS	4

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Mol	Chain	Res	Type	Models (Total)
1	A	1	MET	4
1	A	112	LYS	4
1	A	11	LYS	3
1	A	27	LYS	3
1	A	58	ARG	3
1	A	46	SER	3
1	A	50	ASN	2
1	A	41	GLU	2
1	A	5	LEU	2
1	A	8	GLU	2
1	A	76	CYS	2
1	A	100	LYS	2
1	A	108	LEU	2
1	A	120	ARG	2
1	A	55	GLU	2
1	A	66	VAL	2
1	A	113	ASP	2
1	A	49	VAL	2
1	A	19	GLU	2
1	A	21	GLU	1
1	A	9	SER	1
1	A	33	GLU	1
1	A	56	ASN	1
1	A	4	GLU	1
1	A	106	GLU	1
1	A	117	VAL	1
1	A	87	ASP	1
1	A	62	GLU	1
1	A	13	VAL	1
1	A	29	LYS	1
1	A	15	ASP	1
1	A	17	ASN	1
1	A	45	PHE	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 94% for the well-defined parts and 94% 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	1596
Number of shifts mapped to atoms	1596
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	6

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	124	0.12 ± 0.15	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	115	-0.03 ± 0.21	None needed (< 0.5 ppm)
$^{13}C'$	111	0.32 ± 0.20	None needed (< 0.5 ppm)
^{15}N	114	1.07 ± 0.31	Should be applied

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 94%, i.e. 1581 atoms were assigned a chemical shift out of a possible 1689. 0 out of 25 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	587/605 (97%)	243/246 (99%)	232/244 (95%)	112/115 (97%)
Sidechain	911/973 (94%)	620/632 (98%)	281/312 (90%)	10/29 (34%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	83/111 (75%)	49/54 (91%)	32/55 (58%)	2/2 (100%)
Overall	1581/1689 (94%)	912/932 (98%)	545/611 (89%)	124/146 (85%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 94%, i.e. 1596 atoms were assigned a chemical shift out of a possible 1705. 0 out of 25 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	596/615 (97%)	247/250 (99%)	235/248 (95%)	114/117 (97%)
Sidechain	917/979 (94%)	624/636 (98%)	283/314 (90%)	10/29 (34%)
Aromatic	83/111 (75%)	49/54 (91%)	32/55 (58%)	2/2 (100%)
Overall	1596/1705 (94%)	920/940 (98%)	550/617 (89%)	126/148 (85%)

7.1.4 Statistically unusual chemical shifts (i)

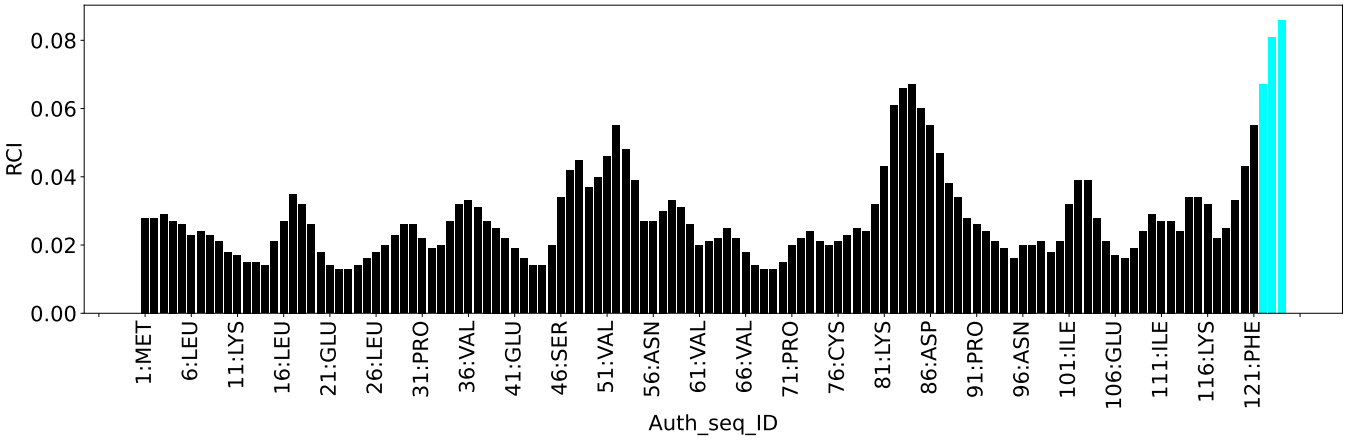
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, *ppm*	Expected range, *ppm*	Z-score
1	A	71	PRO	HD2	0.79	1.93 – 5.38	-8.3
1	A	71	PRO	HB3	-0.32	0.25 – 3.76	-6.6
1	A	61	VAL	HG11	-0.70	-0.48 – 2.12	-5.8
1	A	61	VAL	HG12	-0.70	-0.48 – 2.12	-5.8
1	A	61	VAL	HG13	-0.70	-0.48 – 2.12	-5.8
1	A	67	GLY	HA2	5.90	2.15 – 5.77	5.3

7.1.5 Random Coil Index (RCI) plots (i)

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

Random coil index (RCI) for chain A:


RCI
0.00
0.02
0.04
0.06
0.08
1:MET
6:LEU
11:LYS
16:LEU
21:GLU
26:LEU
31:PRO
36:VAL
41:GLU
46:SER
51:VAL
56:ASN
61:VAL
66:VAL
71:PRO
76:CYS
81:LYS
86:ASP
91:PRO
96:ASN
101:ILE
106:GLU
111:ILE
116:LYS
121:PHE
Auth_seq_ID

8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	2912
Intra-residue (|i-j|=0)	581
Sequential (|i-j|=1)	757
Medium range (|i-j|>1 and |i-j|<5)	377
Long range (|i-j|≥5)	1197
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	23.5
Number of long range restraints per residue[1]	9.7

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	37.0	0.2
0.2-0.5 (Medium)	70.5	0.5
>0.5 (Large)	163.4	3.41

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

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

9 Distance violation analysis (i)

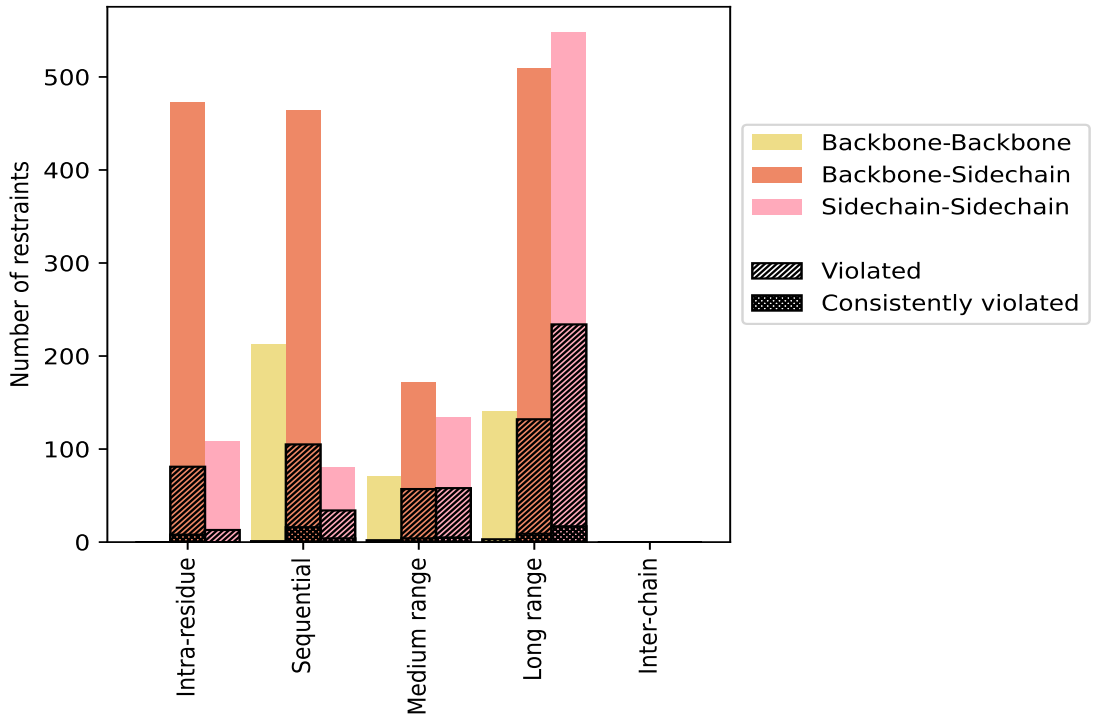
9.1 Summary of distance violations (i)

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

Restraints type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
Intra-residue (|i-j|=0)	581	20.0	94	16.2	3.2	8	1.4	0.3
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	473	16.2	81	17.1	2.8	8	1.7	0.3
Sidechain-Sidechain	108	3.7	13	12.0	0.4	0	0.0	0.0
Sequential (|i-j|=1)	757	26.0	140	18.5	4.8	20	2.6	0.7
Backbone-Backbone	213	7.3	1	0.5	0.0	0	0.0	0.0
Backbone-Sidechain	464	15.9	105	22.6	3.6	16	3.4	0.5
Sidechain-Sidechain	80	2.7	34	42.5	1.2	4	5.0	0.1
Medium range (|i-j|>1 & |i-j|<5)	377	12.9	117	31.0	4.0	9	2.4	0.3
Backbone-Backbone	71	2.4	2	2.8	0.1	0	0.0	0.0
Backbone-Sidechain	172	5.9	57	33.1	2.0	4	2.3	0.1
Sidechain-Sidechain	134	4.6	58	43.3	2.0	5	3.7	0.2
Long range (|i-j|≥5)	1197	41.1	369	30.8	12.7	26	2.2	0.9
Backbone-Backbone	140	4.8	3	2.1	0.1	0	0.0	0.0
Backbone-Sidechain	509	17.5	132	25.9	4.5	9	1.8	0.3
Sidechain-Sidechain	548	18.8	234	42.7	8.0	17	3.1	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	2912	100.0	720	24.7	24.7	63	2.2	2.2
Backbone-Backbone	424	14.6	6	1.4	0.2	0	0.0	0.0
Backbone-Sidechain	1618	55.6	375	23.2	12.9	37	2.3	1.3
Sidechain-Sidechain	870	29.9	339	39.0	11.6	26	3.0	0.9

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

9.1.1 Bar chart : Distribution of distance restraints and violations



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

9.2 Distance violation statistics for each model

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
1	38	67	46	143	0	294	0.78	2.47	0.53	0.68
2	36	63	52	137	0	288	0.72	2.6	0.51	0.62
3	39	67	46	118	0	270	0.72	2.09	0.48	0.66
4	33	66	35	134	0	268	0.74	2.63	0.53	0.6
5	39	52	55	161	0	307	0.78	2.82	0.55	0.69
6	36	76	47	143	0	302	0.74	2.4	0.53	0.63
7	32	63	39	118	0	252	0.73	2.59	0.54	0.62
8	33	67	49	132	0	281	0.75	3.11	0.57	0.62
9	28	54	42	107	0	231	0.73	2.55	0.53	0.58
10	35	73	49	136	0	293	0.72	2.39	0.52	0.61

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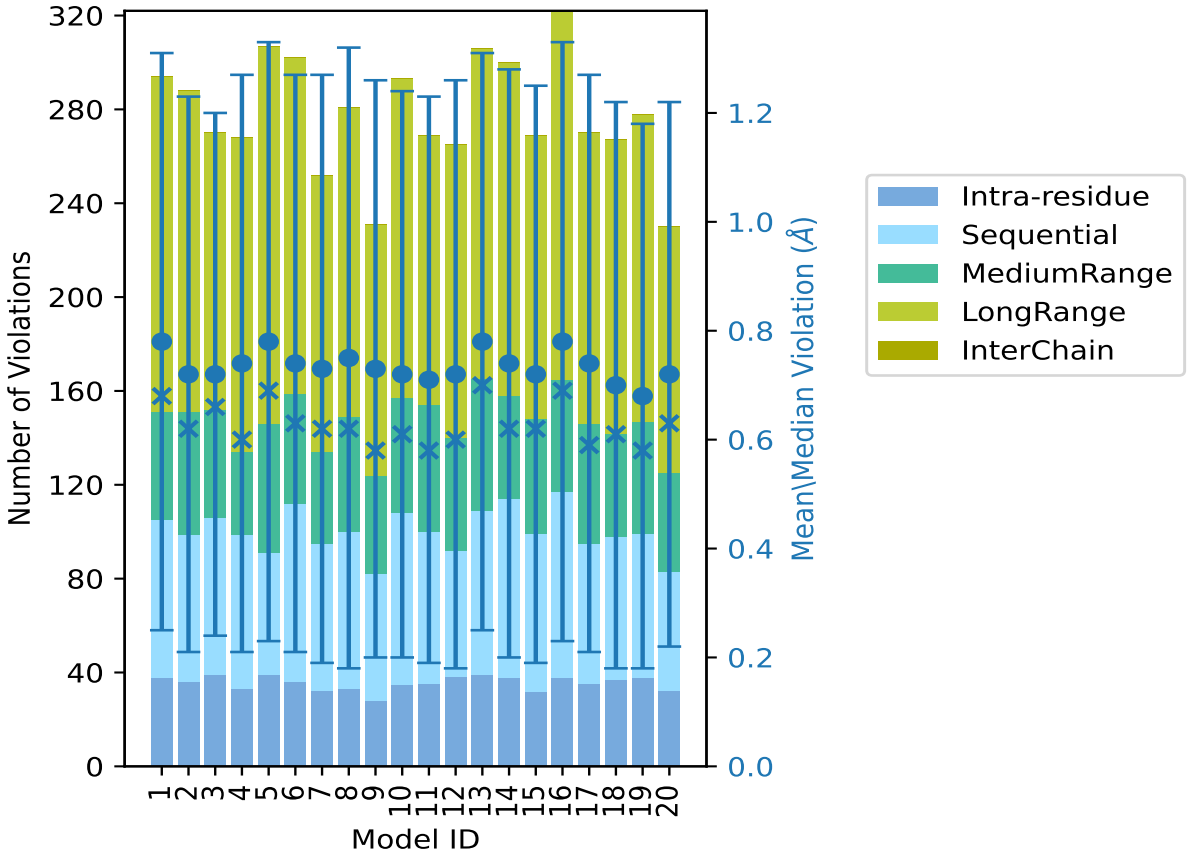
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	35	65	54	115	0	269	0.71	2.78	0.52	0.58
12	38	54	48	125	0	265	0.72	2.64	0.54	0.6
13	39	70	56	141	0	306	0.78	2.97	0.53	0.7
14	38	76	44	142	0	300	0.74	2.6	0.54	0.62
15	32	67	49	121	0	269	0.72	2.79	0.53	0.62
16	38	79	48	157	0	322	0.78	3.41	0.55	0.69
17	35	60	51	124	0	270	0.74	2.55	0.53	0.59
18	37	61	44	125	0	267	0.7	2.54	0.52	0.61
19	38	61	48	131	0	278	0.68	2.52	0.5	0.58
20	32	51	42	105	0	230	0.72	2.3	0.5	0.63

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

9.2.1 Bar graph : Distance Violation statistics for each model



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

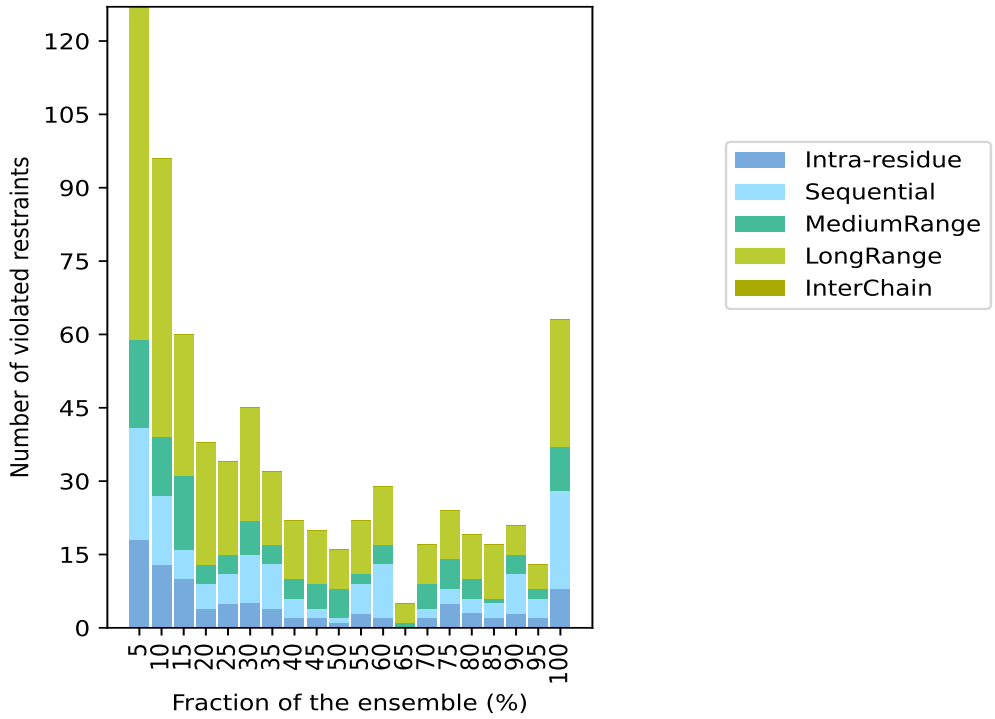
9.3 Distance violation statistics for the ensemble (i)

Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 2192(IR:487, SQ:617, MR:260, LR:828, 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]	%
18	23	18	68	0	127	1	5.0
13	14	12	57	0	96	2	10.0
10	6	15	29	0	60	3	15.0
4	5	4	25	0	38	4	20.0
5	6	4	19	0	34	5	25.0
5	10	7	23	0	45	6	30.0
4	9	4	15	0	32	7	35.0
2	4	4	12	0	22	8	40.0
2	2	5	11	0	20	9	45.0
1	1	6	8	0	16	10	50.0
3	6	2	11	0	22	11	55.0
2	11	4	12	0	29	12	60.0
0	0	1	4	0	5	13	65.0
2	2	5	8	0	17	14	70.0
5	3	6	10	0	24	15	75.0
3	3	4	9	0	19	16	80.0
2	3	1	11	0	17	17	85.0
3	8	4	6	0	21	18	90.0
2	4	2	5	0	13	19	95.0
8	20	9	26	0	63	20	100.0

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

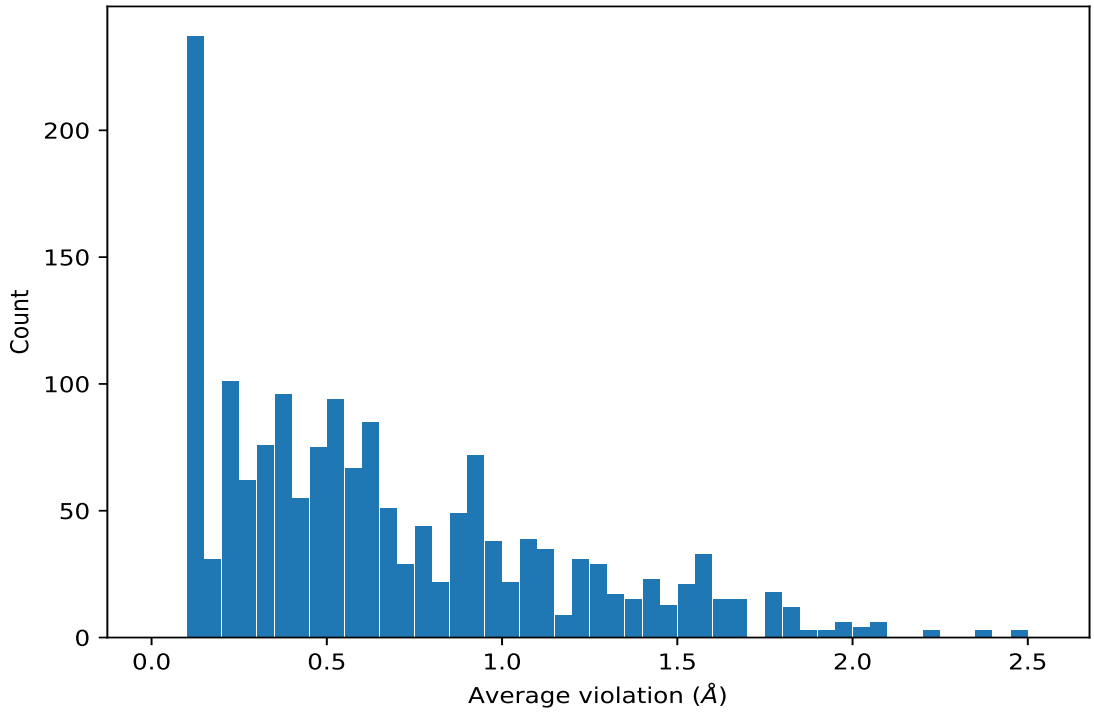
9.3.1 Bar graph : Distance violation statistics for the ensemble



9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance violations

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



9.4.2 Table: Most violated distance restraints (i)

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

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,814)	1:61:A:VAL:HG11	1:89:A:ILE:HG12	20	1.94	0.25	1.96
(1,814)	1:61:A:VAL:HG12	1:89:A:ILE:HG12	20	1.94	0.25	1.96
(1,814)	1:61:A:VAL:HG13	1:89:A:ILE:HG12	20	1.94	0.25	1.96
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG11	20	1.86	0.24	1.86
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG12	20	1.86	0.24	1.86
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG13	20	1.86	0.24	1.86
(1,1714)	1:61:A:VAL:HG11	1:89:A:ILE:HB	20	1.84	0.22	1.9
(1,1714)	1:61:A:VAL:HG12	1:89:A:ILE:HB	20	1.84	0.22	1.9
(1,1714)	1:61:A:VAL:HG13	1:89:A:ILE:HB	20	1.84	0.22	1.9
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG11	20	1.76	0.69	2.07
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG12	20	1.76	0.69	2.07
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG13	20	1.76	0.69	2.07
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG11	20	1.6	0.16	1.62
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG12	20	1.6	0.16	1.62
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG13	20	1.6	0.16	1.62
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG11	20	1.6	0.16	1.62

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG12	20	1.6	0.16	1.62
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG13	20	1.6	0.16	1.62
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG11	20	1.6	0.16	1.62
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG12	20	1.6	0.16	1.62
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG13	20	1.6	0.16	1.62
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG21	20	1.59	0.16	1.6
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG22	20	1.59	0.16	1.6
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG23	20	1.59	0.16	1.6
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG21	20	1.59	0.16	1.6
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG22	20	1.59	0.16	1.6
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG23	20	1.59	0.16	1.6
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG21	20	1.59	0.16	1.6
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG22	20	1.59	0.16	1.6
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG23	20	1.59	0.16	1.6
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG11	20	1.58	0.17	1.58
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG12	20	1.58	0.17	1.58
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG13	20	1.58	0.17	1.58
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD11	20	1.57	0.2	1.58
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD12	20	1.57	0.2	1.58
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD13	20	1.57	0.2	1.58
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD11	20	1.57	0.2	1.58
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD12	20	1.57	0.2	1.58
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD13	20	1.57	0.2	1.58
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD11	20	1.57	0.2	1.58
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD12	20	1.57	0.2	1.58
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD13	20	1.57	0.2	1.58
(1,902)	1:23:A:VAL:HG11	1:98:A:ILE:HB	20	1.5	0.17	1.56
(1,902)	1:23:A:VAL:HG12	1:98:A:ILE:HB	20	1.5	0.17	1.56
(1,902)	1:23:A:VAL:HG13	1:98:A:ILE:HB	20	1.5	0.17	1.56
(1,1266)	1:119:A:VAL:HG21	1:120:A:ARG:HA	20	1.46	0.07	1.46
(1,1266)	1:119:A:VAL:HG22	1:120:A:ARG:HA	20	1.46	0.07	1.46
(1,1266)	1:119:A:VAL:HG23	1:120:A:ARG:HA	20	1.46	0.07	1.46
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG21	20	1.41	0.29	1.33
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG22	20	1.41	0.29	1.33
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG23	20	1.41	0.29	1.33
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG21	20	1.41	0.29	1.33
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG22	20	1.41	0.29	1.33
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG23	20	1.41	0.29	1.33
(1,1706)	1:61:A:VAL:HG11	1:89:A:ILE:HA	20	1.33	0.25	1.36
(1,1706)	1:61:A:VAL:HG12	1:89:A:ILE:HA	20	1.33	0.25	1.36
(1,1706)	1:61:A:VAL:HG13	1:89:A:ILE:HA	20	1.33	0.25	1.36
(1,882)	1:7:A:PHE:HE1	1:77:A:LEU:HD12	20	1.33	0.6	1.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,882)	1:7:A:PHE:HE1	1:77:A:LEU:HD13	20	1.33	0.6	1.13
(1,882)	1:7:A:PHE:HE2	1:77:A:LEU:HD11	20	1.33	0.6	1.13
(1,882)	1:7:A:PHE:HE2	1:77:A:LEU:HD12	20	1.33	0.6	1.13
(1,882)	1:7:A:PHE:HE2	1:77:A:LEU:HD13	20	1.33	0.6	1.13
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG21	20	1.32	0.32	1.28
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG22	20	1.32	0.32	1.28
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG23	20	1.32	0.32	1.28
(1,730)	1:7:A:PHE:HE1	1:77:A:LEU:HG	20	1.27	0.42	1.27
(1,730)	1:7:A:PHE:HE2	1:77:A:LEU:HG	20	1.27	0.42	1.27
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG21	20	1.24	0.26	1.19
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG22	20	1.24	0.26	1.19
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG23	20	1.24	0.26	1.19
(1,1443)	1:23:A:VAL:HG21	1:24:A:LYS:HA	20	1.24	0.09	1.27
(1,1443)	1:23:A:VAL:HG22	1:24:A:LYS:HA	20	1.24	0.09	1.27
(1,1443)	1:23:A:VAL:HG23	1:24:A:LYS:HA	20	1.24	0.09	1.27
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG21	20	1.21	0.21	1.22
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG22	20	1.21	0.21	1.22
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG23	20	1.21	0.21	1.22
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG21	20	1.21	0.21	1.22
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG22	20	1.21	0.21	1.22
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG23	20	1.21	0.21	1.22
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG21	20	1.21	0.21	1.22
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG22	20	1.21	0.21	1.22
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG23	20	1.21	0.21	1.22
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG11	20	1.15	0.33	1.14
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG12	20	1.15	0.33	1.14
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG13	20	1.15	0.33	1.14
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG11	20	1.15	0.33	1.14
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG12	20	1.15	0.33	1.14
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG13	20	1.15	0.33	1.14
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD11	20	1.12	0.23	1.12
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD12	20	1.12	0.23	1.12
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD13	20	1.12	0.23	1.12
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD11	20	1.12	0.23	1.12
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD12	20	1.12	0.23	1.12
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD13	20	1.12	0.23	1.12
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD11	20	1.12	0.23	1.12
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD12	20	1.12	0.23	1.12
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD13	20	1.12	0.23	1.12
(1,505)	1:23:A:VAL:HG21	1:27:A:LYS:HB2	20	1.1	0.24	1.13
(1,505)	1:23:A:VAL:HG22	1:27:A:LYS:HB2	20	1.1	0.24	1.13
(1,505)	1:23:A:VAL:HG23	1:27:A:LYS:HB2	20	1.1	0.24	1.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG11	20	1.07	0.24	1.13
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG12	20	1.07	0.24	1.13
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG13	20	1.07	0.24	1.13
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG11	20	1.06	0.2	1.08
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG12	20	1.06	0.2	1.08
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG13	20	1.06	0.2	1.08
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG11	20	1.06	0.2	1.08
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG12	20	1.06	0.2	1.08
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG13	20	1.06	0.2	1.08
(1,549)	1:62:A:GLU:HB3	1:65:A:ASP:HB3	20	1.01	0.32	1.04
(1,2760)	1:32:A:PHE:HD1	1:48:A:PRO:HG2	20	1.01	0.1	1.02
(1,2760)	1:32:A:PHE:HD2	1:48:A:PRO:HG2	20	1.01	0.1	1.02
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG2	20	0.97	0.31	0.85
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG3	20	0.97	0.31	0.85
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG21	20	0.96	0.2	0.88
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG22	20	0.96	0.2	0.88
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG23	20	0.96	0.2	0.88
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG21	20	0.96	0.2	0.88
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG22	20	0.96	0.2	0.88
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG23	20	0.96	0.2	0.88
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG21	20	0.96	0.2	0.88
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG22	20	0.96	0.2	0.88
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG23	20	0.96	0.2	0.88
(1,1812)	1:7:A:PHE:HB3	1:11:A:LYS:HA	20	0.95	0.11	0.95
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG21	20	0.94	0.27	0.95
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG22	20	0.94	0.27	0.95
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG23	20	0.94	0.27	0.95
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG21	20	0.94	0.27	0.95
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG22	20	0.94	0.27	0.95
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG23	20	0.94	0.27	0.95
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG21	20	0.94	0.27	0.95
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG22	20	0.94	0.27	0.95
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG23	20	0.94	0.27	0.95
(1,1760)	1:31:A:PRO:HB3	1:32:A:PHE:HA	20	0.92	0.12	0.94
(1,1935)	1:120:A:ARG:HA	1:121:A:PHE:HB3	20	0.91	0.07	0.94
(1,287)	1:7:A:PHE:HB2	1:8:A:GLU:HG3	20	0.89	0.33	0.96
(1,2358)	1:31:A:PRO:HB2	1:121:A:PHE:H	20	0.89	0.18	0.93
(1,681)	1:63:A:ILE:HG13	1:79:A:PHE:HA	20	0.89	0.22	0.97
(1,535)	1:23:A:VAL:H	1:24:A:LYS:HB3	20	0.87	0.14	0.86
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG11	20	0.84	0.06	0.84
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG12	20	0.84	0.06	0.84
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG13	20	0.84	0.06	0.84

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2887)	1:69:A:TRP:HZ3	1:72:A:GLY:HA2	20	0.77	0.37	0.66
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG11	20	0.75	0.14	0.79
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG12	20	0.75	0.14	0.79
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG13	20	0.75	0.14	0.79
(1,609)	1:58:A:ARG:HA	1:59:A:GLU:HB3	20	0.74	0.09	0.72
(1,1962)	1:29:A:LYS:HA	1:30:A:ILE:HG12	20	0.74	0.17	0.7
(1,1711)	1:61:A:VAL:HG11	1:78:A:PHE:HB3	20	0.73	0.33	0.74
(1,1711)	1:61:A:VAL:HG12	1:78:A:PHE:HB3	20	0.73	0.33	0.74
(1,1711)	1:61:A:VAL:HG13	1:78:A:PHE:HB3	20	0.73	0.33	0.74
(1,2445)	1:32:A:PHE:HB3	1:33:A:GLU:H	20	0.72	0.08	0.74
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG11	20	0.72	0.24	0.76
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG12	20	0.72	0.24	0.76
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG13	20	0.72	0.24	0.76
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG11	20	0.71	0.12	0.66
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG12	20	0.71	0.12	0.66
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG13	20	0.71	0.12	0.66
(1,1276)	1:119:A:VAL:HG21	1:120:A:ARG:H	20	0.69	0.11	0.7
(1,1276)	1:119:A:VAL:HG22	1:120:A:ARG:H	20	0.69	0.11	0.7
(1,1276)	1:119:A:VAL:HG23	1:120:A:ARG:H	20	0.69	0.11	0.7
(1,42)	1:63:A:ILE:HG13	1:80:A:GLY:HA2	20	0.64	0.18	0.68
(1,2744)	1:7:A:PHE:HB3	1:10:A:GLY:H	20	0.62	0.14	0.64
(1,2296)	1:65:A:ASP:H	1:65:A:ASP:HB3	20	0.58	0.04	0.58
(1,1713)	1:61:A:VAL:HG11	1:78:A:PHE:HB2	20	0.57	0.21	0.62
(1,1713)	1:61:A:VAL:HG12	1:78:A:PHE:HB2	20	0.57	0.21	0.62
(1,1713)	1:61:A:VAL:HG13	1:78:A:PHE:HB2	20	0.57	0.21	0.62
(1,1958)	1:61:A:VAL:HG11	1:62:A:GLU:HA	20	0.57	0.05	0.56
(1,1958)	1:61:A:VAL:HG12	1:62:A:GLU:HA	20	0.57	0.05	0.56
(1,1958)	1:61:A:VAL:HG13	1:62:A:GLU:HA	20	0.57	0.05	0.56
(1,811)	1:6:A:LEU:HG	1:7:A:PHE:HD2	20	0.5	0.14	0.52
(1,811)	1:6:A:LEU:HG	1:7:A:PHE:HD1	20	0.5	0.14	0.52
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG11	20	0.5	0.02	0.5
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG12	20	0.5	0.02	0.5
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG13	20	0.5	0.02	0.5
(1,261)	1:3:A:VAL:HA	1:121:A:PHE:HB2	20	0.47	0.09	0.48
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG21	20	0.47	0.15	0.48
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG22	20	0.47	0.15	0.48
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG23	20	0.47	0.15	0.48
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA2	20	0.46	0.18	0.42
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA3	20	0.46	0.18	0.42
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG11	20	0.43	0.02	0.42
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG12	20	0.43	0.02	0.42
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG13	20	0.43	0.02	0.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2458)	1:88:A:LYS:H	1:88:A:LYS:HB2	20	0.35	0.06	0.35
(1,2522)	1:24:A:LYS:HB3	1:25:A:LEU:H	20	0.34	0.11	0.36
(1,1991)	1:69:A:TRP:H	1:70:A:PRO:HD2	20	0.33	0.14	0.32
(1,2213)	1:16:A:LEU:H	1:16:A:LEU:HB3	20	0.33	0.07	0.32
(1,2357)	1:121:A:PHE:H	1:121:A:PHE:HB3	20	0.32	0.04	0.32
(1,2403)	1:59:A:GLU:H	1:59:A:GLU:HB3	20	0.3	0.08	0.3
(1,2141)	1:7:A:PHE:H	1:7:A:PHE:HB3	20	0.29	0.05	0.31
(1,940)	1:7:A:PHE:HE1	1:77:A:LEU:HD21	19	1.78	0.82	2.1
(1,940)	1:7:A:PHE:HE1	1:77:A:LEU:HD23	19	1.78	0.82	2.1
(1,940)	1:7:A:PHE:HE2	1:77:A:LEU:HD21	19	1.78	0.82	2.1
(1,940)	1:7:A:PHE:HE2	1:77:A:LEU:HD22	19	1.78	0.82	2.1
(1,940)	1:7:A:PHE:HE1	1:77:A:LEU:HD22	19	1.78	0.82	2.1
(1,940)	1:7:A:PHE:HE2	1:77:A:LEU:HD23	19	1.78	0.82	2.1
(1,2165)	1:5:A:LEU:H	1:14:A:ILE:HG13	19	1.47	0.22	1.43
(1,1965)	1:17:A:ASN:HA	1:18:A:GLU:HB3	19	1.09	0.05	1.11
(1,65)	1:15:A:ASP:HB2	1:100:A:LYS:HB2	19	1.05	0.36	1.11
(1,239)	1:18:A:GLU:HG3	1:24:A:LYS:HG2	19	0.96	0.37	1.07
(1,1351)	1:13:A:VAL:HA	1:14:A:ILE:HG13	19	0.93	0.06	0.95
(1,2269)	1:30:A:ILE:H	1:30:A:ILE:HG12	19	0.85	0.17	0.92
(1,2722)	1:61:A:VAL:HG21	1:95:A:VAL:H	19	0.78	0.34	0.84
(1,2722)	1:61:A:VAL:HG22	1:95:A:VAL:H	19	0.78	0.34	0.84
(1,2722)	1:61:A:VAL:HG23	1:95:A:VAL:H	19	0.78	0.34	0.84
(1,1587)	1:101:A:ILE:HG21	1:105:A:LEU:HB3	19	0.69	0.3	0.63
(1,1587)	1:101:A:ILE:HG22	1:105:A:LEU:HB3	19	0.69	0.3	0.63
(1,1587)	1:101:A:ILE:HG23	1:105:A:LEU:HB3	19	0.69	0.3	0.63
(1,2148)	1:18:A:GLU:H	1:18:A:GLU:HB3	19	0.36	0.03	0.36
(1,653)	1:30:A:ILE:HG13	1:32:A:PHE:H	19	0.36	0.14	0.36
(1,782)	1:47:A:THR:HB	1:48:A:PRO:HG3	19	0.34	0.08	0.34
(1,2206)	1:121:A:PHE:HD1	1:122:A:ALA:H	19	0.11	0.01	0.11
(1,2206)	1:121:A:PHE:HD2	1:122:A:ALA:H	19	0.11	0.01	0.11
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG21	18	2.2	0.36	2.29
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG22	18	2.2	0.36	2.29
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG23	18	2.2	0.36	2.29
(1,1693)	1:27:A:LYS:HG3	1:28:A:GLU:HA	18	1.26	0.23	1.27
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD21	18	1.23	0.43	1.32
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD22	18	1.23	0.43	1.32
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD23	18	1.23	0.43	1.32
(1,80)	1:2:A:ARG:HD2	1:15:A:ASP:HB3	18	1.1	0.45	1.28
(1,2115)	1:2:A:ARG:HG3	1:3:A:VAL:H	18	0.91	0.17	0.93
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG21	18	0.9	0.16	0.92
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG22	18	0.9	0.16	0.92
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG23	18	0.9	0.16	0.92

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG21	18	0.9	0.16	0.92
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG22	18	0.9	0.16	0.92
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG23	18	0.9	0.16	0.92
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB1	18	0.68	0.29	0.7
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB2	18	0.68	0.29	0.7
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB3	18	0.68	0.29	0.7
(1,2781)	1:65:A:ASP:HB3	1:78:A:PHE:HD1	18	0.67	0.37	0.73
(1,2781)	1:65:A:ASP:HB3	1:78:A:PHE:HD2	18	0.67	0.37	0.73
(1,386)	1:61:A:VAL:HG11	1:62:A:GLU:HG2	18	0.64	0.31	0.62
(1,386)	1:61:A:VAL:HG12	1:62:A:GLU:HG2	18	0.64	0.31	0.62
(1,386)	1:61:A:VAL:HG13	1:62:A:GLU:HG2	18	0.64	0.31	0.62
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD11	18	0.63	0.32	0.6
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD12	18	0.63	0.32	0.6
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD13	18	0.63	0.32	0.6
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD11	18	0.63	0.32	0.6
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD12	18	0.63	0.32	0.6
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD13	18	0.63	0.32	0.6
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG21	18	0.6	0.27	0.6
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG22	18	0.6	0.27	0.6
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG23	18	0.6	0.27	0.6
(1,2147)	1:18:A:GLU:H	1:18:A:GLU:HG2	18	0.6	0.17	0.59
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG11	18	0.53	0.19	0.58
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG12	18	0.53	0.19	0.58
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG13	18	0.53	0.19	0.58
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG11	18	0.53	0.19	0.58
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG12	18	0.53	0.19	0.58
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG13	18	0.53	0.19	0.58
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG11	18	0.53	0.19	0.58
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG12	18	0.53	0.19	0.58
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG13	18	0.53	0.19	0.58
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG11	18	0.53	0.19	0.58
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG12	18	0.53	0.19	0.58
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG13	18	0.53	0.19	0.58
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG11	18	0.53	0.19	0.58
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG12	18	0.53	0.19	0.58
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG13	18	0.53	0.19	0.58
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG11	18	0.53	0.19	0.58
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG12	18	0.53	0.19	0.58
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG13	18	0.53	0.19	0.58
(1,2780)	1:61:A:VAL:HG11	1:78:A:PHE:HD1	18	0.48	0.13	0.5
(1,2780)	1:61:A:VAL:HG11	1:78:A:PHE:HD2	18	0.48	0.13	0.5
(1,2780)	1:61:A:VAL:HG12	1:78:A:PHE:HD1	18	0.48	0.13	0.5

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2780)	1:61:A:VAL:HG12	1:78:A:PHE:HD2	18	0.48	0.13	0.5
(1,2780)	1:61:A:VAL:HG13	1:78:A:PHE:HD1	18	0.48	0.13	0.5
(1,2780)	1:61:A:VAL:HG13	1:78:A:PHE:HD2	18	0.48	0.13	0.5
(1,2631)	1:105:A:LEU:HB2	1:106:A:GLU:H	18	0.47	0.19	0.45
(1,251)	1:17:A:ASN:HA	1:18:A:GLU:HG2	18	0.4	0.21	0.4
(1,691)	1:62:A:GLU:HA	1:63:A:ILE:HG12	18	0.35	0.16	0.36
(1,1691)	1:28:A:GLU:HA	1:28:A:GLU:HG3	18	0.34	0.06	0.36
(1,690)	1:63:A:ILE:HG12	1:64:A:GLY:H	18	0.32	0.12	0.35
(1,2539)	1:111:A:ILE:H	1:111:A:ILE:HG13	18	0.32	0.14	0.3
(1,464)	1:57:A:PRO:HA	1:58:A:ARG:HB3	18	0.27	0.09	0.26
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG21	17	1.58	0.7	1.76
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG22	17	1.58	0.7	1.76
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG23	17	1.58	0.7	1.76
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG21	17	1.58	0.7	1.76
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG22	17	1.58	0.7	1.76
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG23	17	1.58	0.7	1.76
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG21	17	1.58	0.7	1.76
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG22	17	1.58	0.7	1.76
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG23	17	1.58	0.7	1.76
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG21	17	1.54	0.39	1.52
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG22	17	1.54	0.39	1.52
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG23	17	1.54	0.39	1.52
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG21	17	1.43	0.47	1.62
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG22	17	1.43	0.47	1.62
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG23	17	1.43	0.47	1.62
(1,1343)	1:13:A:VAL:HG21	1:14:A:ILE:H	17	1.15	0.07	1.15
(1,1343)	1:13:A:VAL:HG22	1:14:A:ILE:H	17	1.15	0.07	1.15
(1,1343)	1:13:A:VAL:HG23	1:14:A:ILE:H	17	1.15	0.07	1.15
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG21	17	1.14	0.75	1.06
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG22	17	1.14	0.75	1.06
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG23	17	1.14	0.75	1.06
(1,2080)	1:56:A:ASN:HB2	1:97:A:VAL:H	17	0.95	0.18	0.94
(1,633)	1:56:A:ASN:HB2	1:97:A:VAL:HB	17	0.93	0.29	0.94
(1,1293)	1:13:A:VAL:HG11	1:103:A:GLU:HB3	17	0.92	0.35	1.0
(1,1293)	1:13:A:VAL:HG12	1:103:A:GLU:HB3	17	0.92	0.35	1.0
(1,1293)	1:13:A:VAL:HG13	1:103:A:GLU:HB3	17	0.92	0.35	1.0
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG11	17	0.61	0.23	0.65
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG12	17	0.61	0.23	0.65
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG13	17	0.61	0.23	0.65
(1,826)	1:7:A:PHE:HD2	1:111:A:ILE:HG12	17	0.59	0.3	0.56
(1,826)	1:7:A:PHE:HE1	1:111:A:ILE:HG12	17	0.59	0.3	0.56
(1,826)	1:7:A:PHE:HD1	1:111:A:ILE:HG12	17	0.59	0.3	0.56

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG11	17	0.57	0.3	0.67
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG12	17	0.57	0.3	0.67
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG13	17	0.57	0.3	0.67
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG21	17	0.55	0.28	0.51
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG22	17	0.55	0.28	0.51
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG23	17	0.55	0.28	0.51
(1,2630)	1:106:A:GLU:H	1:106:A:GLU:HB3	17	0.54	0.05	0.54
(1,854)	1:61:A:VAL:HG21	1:91:A:PRO:HG2	17	0.52	0.26	0.54
(1,854)	1:61:A:VAL:HG22	1:91:A:PRO:HG2	17	0.52	0.26	0.54
(1,854)	1:61:A:VAL:HG23	1:91:A:PRO:HG2	17	0.52	0.26	0.54
(1,30)	1:15:A:ASP:HA	1:16:A:LEU:HB3	17	0.52	0.19	0.58
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG11	17	0.41	0.03	0.42
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG12	17	0.41	0.03	0.42
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG13	17	0.41	0.03	0.42
(1,1919)	1:6:A:LEU:HA	1:7:A:PHE:HB3	17	0.21	0.04	0.21
(1,1036)	1:26:A:LEU:HD11	1:48:A:PRO:HG3	16	1.55	0.42	1.52
(1,1036)	1:26:A:LEU:HD12	1:48:A:PRO:HG3	16	1.55	0.42	1.52
(1,1036)	1:26:A:LEU:HD13	1:48:A:PRO:HG3	16	1.55	0.42	1.52
(1,1040)	1:26:A:LEU:HD11	1:48:A:PRO:HD3	16	1.52	0.38	1.4
(1,1040)	1:26:A:LEU:HD12	1:48:A:PRO:HD3	16	1.52	0.38	1.4
(1,1040)	1:26:A:LEU:HD13	1:48:A:PRO:HD3	16	1.52	0.38	1.4
(1,1039)	1:26:A:LEU:HD11	1:47:A:THR:HA	16	1.38	0.39	1.4
(1,1039)	1:26:A:LEU:HD12	1:47:A:THR:HA	16	1.38	0.39	1.4
(1,1039)	1:26:A:LEU:HD13	1:47:A:THR:HA	16	1.38	0.39	1.4
(1,1032)	1:26:A:LEU:HD11	1:47:A:THR:HB	16	1.09	0.39	1.01
(1,1032)	1:26:A:LEU:HD12	1:47:A:THR:HB	16	1.09	0.39	1.01
(1,1032)	1:26:A:LEU:HD13	1:47:A:THR:HB	16	1.09	0.39	1.01
(1,348)	1:54:A:MET:HB3	1:57:A:PRO:HG3	16	1.07	0.35	1.04
(1,2619)	1:26:A:LEU:HD11	1:49:A:VAL:H	16	0.92	0.32	0.88
(1,2619)	1:26:A:LEU:HD12	1:49:A:VAL:H	16	0.92	0.32	0.88
(1,2619)	1:26:A:LEU:HD13	1:49:A:VAL:H	16	0.92	0.32	0.88
(1,358)	1:54:A:MET:HB3	1:57:A:PRO:HB3	16	0.81	0.26	0.86
(1,3)	1:40:A:GLY:HA2	1:82:A:THR:HA	16	0.7	0.01	0.7
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD11	16	0.66	0.03	0.66
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD12	16	0.66	0.03	0.66
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD13	16	0.66	0.03	0.66
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG21	16	0.61	0.26	0.64
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG22	16	0.61	0.26	0.64
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG23	16	0.61	0.26	0.64
(1,2877)	1:69:A:TRP:HD1	1:70:A:PRO:HD3	16	0.6	0.2	0.6
(1,825)	1:7:A:PHE:HB3	1:111:A:ILE:HG12	16	0.59	0.22	0.66
(1,1636)	1:85:A:SER:HA	1:90:A:GLN:HG2	16	0.58	0.28	0.55

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG11	16	0.54	0.2	0.51
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG12	16	0.54	0.2	0.51
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG13	16	0.54	0.2	0.51
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG11	16	0.54	0.2	0.51
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG12	16	0.54	0.2	0.51
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG13	16	0.54	0.2	0.51
(1,1055)	1:26:A:LEU:HD11	1:29:A:LYS:H	16	0.53	0.17	0.5
(1,1055)	1:26:A:LEU:HD12	1:29:A:LYS:H	16	0.53	0.17	0.5
(1,1055)	1:26:A:LEU:HD13	1:29:A:LYS:H	16	0.53	0.17	0.5
(1,2146)	1:54:A:MET:H	1:54:A:MET:HB2	16	0.37	0.11	0.41
(1,1268)	1:119:A:VAL:HG21	1:120:A:ARG:HG2	16	0.34	0.12	0.38
(1,1268)	1:119:A:VAL:HG22	1:120:A:ARG:HG2	16	0.34	0.12	0.38
(1,1268)	1:119:A:VAL:HG23	1:120:A:ARG:HG2	16	0.34	0.12	0.38
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG11	16	0.26	0.05	0.26
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG12	16	0.26	0.05	0.26
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG13	16	0.26	0.05	0.26
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG11	16	0.26	0.05	0.26
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG12	16	0.26	0.05	0.26
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG13	16	0.26	0.05	0.26
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG11	16	0.26	0.05	0.26
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG12	16	0.26	0.05	0.26
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG13	16	0.26	0.05	0.26
(1,547)	1:62:A:GLU:H	1:62:A:GLU:HB3	16	0.22	0.05	0.23
(1,462)	1:22:A:VAL:HG11	1:49:A:VAL:HB	15	1.98	0.49	2.01
(1,462)	1:22:A:VAL:HG12	1:49:A:VAL:HB	15	1.98	0.49	2.01
(1,462)	1:22:A:VAL:HG13	1:49:A:VAL:HB	15	1.98	0.49	2.01
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD21	15	1.81	0.59	1.96
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD22	15	1.81	0.59	1.96
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD23	15	1.81	0.59	1.96
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD21	15	1.81	0.59	1.96
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD22	15	1.81	0.59	1.96
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD23	15	1.81	0.59	1.96
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD21	15	1.81	0.59	1.96
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD22	15	1.81	0.59	1.96
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD23	15	1.81	0.59	1.96
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG11	15	1.47	0.77	1.82
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG12	15	1.47	0.77	1.82
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG13	15	1.47	0.77	1.82
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG21	15	1.29	0.28	1.17
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG22	15	1.29	0.28	1.17
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG23	15	1.29	0.28	1.17
(1,1239)	1:108:A:LEU:HD21	1:110:A:LYS:HG2	15	1.24	0.86	1.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1239)	1:108:A:LEU:HD22	1:110:A:LYS:HG2	15	1.24	0.86	1.28
(1,1239)	1:108:A:LEU:HD23	1:110:A:LYS:HG2	15	1.24	0.86	1.28
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG21	15	1.13	0.49	1.11
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG22	15	1.13	0.49	1.11
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG23	15	1.13	0.49	1.11
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG21	15	1.13	0.49	1.11
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG22	15	1.13	0.49	1.11
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG23	15	1.13	0.49	1.11
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG21	15	1.13	0.49	1.11
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG22	15	1.13	0.49	1.11
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG23	15	1.13	0.49	1.11
(1,180)	1:22:A:VAL:HG11	1:25:A:LEU:HB3	15	0.96	0.15	1.0
(1,180)	1:22:A:VAL:HG12	1:25:A:LEU:HB3	15	0.96	0.15	1.0
(1,180)	1:22:A:VAL:HG13	1:25:A:LEU:HB3	15	0.96	0.15	1.0
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG11	15	0.92	0.31	0.97
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG12	15	0.92	0.31	0.97
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG13	15	0.92	0.31	0.97
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG11	15	0.92	0.31	0.97
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG12	15	0.92	0.31	0.97
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG13	15	0.92	0.31	0.97
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG11	15	0.92	0.31	0.97
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG12	15	0.92	0.31	0.97
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG13	15	0.92	0.31	0.97
(1,2255)	1:22:A:VAL:HG11	1:51:A:VAL:H	15	0.91	0.33	0.98
(1,2255)	1:22:A:VAL:HG12	1:51:A:VAL:H	15	0.91	0.33	0.98
(1,2255)	1:22:A:VAL:HG13	1:51:A:VAL:H	15	0.91	0.33	0.98
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD11	15	0.83	0.28	0.91
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD12	15	0.83	0.28	0.91
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD13	15	0.83	0.28	0.91
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG21	15	0.76	0.11	0.74
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG22	15	0.76	0.11	0.74
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG23	15	0.76	0.11	0.74
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD21	15	0.7	0.22	0.72
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD22	15	0.7	0.22	0.72
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD23	15	0.7	0.22	0.72
(1,2537)	1:19:A:GLU:H	1:19:A:GLU:HB3	15	0.69	0.12	0.65
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG21	15	0.68	0.32	0.5
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG22	15	0.68	0.32	0.5
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG23	15	0.68	0.32	0.5
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG21	15	0.68	0.32	0.5
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG22	15	0.68	0.32	0.5
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG23	15	0.68	0.32	0.5

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2016)	1:54:A:MET:HB3	1:96:A:ASN:HA	15	0.68	0.34	0.66
(1,952)	1:18:A:GLU:HB2	1:24:A:LYS:HG2	15	0.62	0.37	0.56
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD21	15	0.56	0.14	0.62
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD22	15	0.56	0.14	0.62
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD23	15	0.56	0.14	0.62
(1,2843)	1:26:A:LEU:HD11	1:32:A:PHE:HE1	15	0.54	0.32	0.44
(1,2843)	1:26:A:LEU:HD11	1:32:A:PHE:HE2	15	0.54	0.32	0.44
(1,2843)	1:26:A:LEU:HD12	1:32:A:PHE:HE1	15	0.54	0.32	0.44
(1,2843)	1:26:A:LEU:HD12	1:32:A:PHE:HE2	15	0.54	0.32	0.44
(1,2843)	1:26:A:LEU:HD13	1:32:A:PHE:HE1	15	0.54	0.32	0.44
(1,2843)	1:26:A:LEU:HD13	1:32:A:PHE:HE2	15	0.54	0.32	0.44
(1,1297)	1:22:A:VAL:HG21	1:23:A:VAL:H	15	0.52	0.16	0.52
(1,1297)	1:22:A:VAL:HG22	1:23:A:VAL:H	15	0.52	0.16	0.52
(1,1297)	1:22:A:VAL:HG23	1:23:A:VAL:H	15	0.52	0.16	0.52
(1,158)	1:62:A:GLU:HB3	1:65:A:ASP:HB2	15	0.42	0.17	0.38
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG21	15	0.37	0.03	0.38
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG22	15	0.37	0.03	0.38
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG23	15	0.37	0.03	0.38
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG21	15	0.36	0.19	0.38
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG22	15	0.36	0.19	0.38
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG23	15	0.36	0.19	0.38
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG11	15	0.14	0.01	0.14
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG12	15	0.14	0.01	0.14
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG13	15	0.14	0.01	0.14
(1,389)	1:62:A:GLU:HB2	1:62:A:GLU:HG2	15	0.13	0.01	0.13
(1,751)	1:5:A:LEU:HD23	1:7:A:PHE:HE1	14	1.48	0.86	1.4
(1,751)	1:5:A:LEU:HD23	1:7:A:PHE:HE2	14	1.48	0.86	1.4
(1,751)	1:5:A:LEU:HD21	1:7:A:PHE:HE2	14	1.48	0.86	1.4
(1,751)	1:5:A:LEU:HD21	1:7:A:PHE:HE1	14	1.48	0.86	1.4
(1,751)	1:5:A:LEU:HD22	1:7:A:PHE:HE2	14	1.48	0.86	1.4
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD21	14	1.37	0.31	1.38
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD22	14	1.37	0.31	1.38
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD23	14	1.37	0.31	1.38
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD21	14	1.37	0.31	1.38
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD22	14	1.37	0.31	1.38
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD23	14	1.37	0.31	1.38
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD21	14	1.28	0.34	1.3
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD22	14	1.28	0.34	1.3
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD23	14	1.28	0.34	1.3
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD21	14	1.27	0.33	1.32
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD22	14	1.27	0.33	1.32
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD23	14	1.27	0.33	1.32

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1407)	1:22:A:VAL:HG11	1:26:A:LEU:HG	14	1.07	0.3	1.16
(1,1407)	1:22:A:VAL:HG12	1:26:A:LEU:HG	14	1.07	0.3	1.16
(1,1407)	1:22:A:VAL:HG13	1:26:A:LEU:HG	14	1.07	0.3	1.16
(1,1298)	1:22:A:VAL:HG21	1:96:A:ASN:HD21	14	0.87	0.33	0.86
(1,1298)	1:22:A:VAL:HG22	1:96:A:ASN:HD21	14	0.87	0.33	0.86
(1,1298)	1:22:A:VAL:HG23	1:96:A:ASN:HD21	14	0.87	0.33	0.86
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG21	14	0.79	0.71	0.55
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG22	14	0.79	0.71	0.55
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG23	14	0.79	0.71	0.55
(1,2603)	1:33:A:GLU:HG3	1:34:A:SER:H	14	0.66	0.17	0.72
(1,2581)	1:54:A:MET:HB3	1:56:A:ASN:H	14	0.65	0.33	0.67
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG11	14	0.61	0.32	0.64
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG12	14	0.61	0.32	0.64
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG13	14	0.61	0.32	0.64
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG11	14	0.61	0.32	0.64
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG12	14	0.61	0.32	0.64
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG13	14	0.61	0.32	0.64
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG11	14	0.61	0.32	0.64
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG12	14	0.61	0.32	0.64
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG13	14	0.61	0.32	0.64
(1,2902)	1:20:A:TYR:HE1	1:56:A:ASN:HB3	14	0.52	0.19	0.5
(1,2902)	1:20:A:TYR:HE2	1:56:A:ASN:HB3	14	0.52	0.19	0.5
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD21	14	0.49	0.25	0.46
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD22	14	0.49	0.25	0.46
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD23	14	0.49	0.25	0.46
(1,346)	1:33:A:GLU:HB3	1:33:A:GLU:HG3	14	0.47	0.01	0.47
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG21	14	0.46	0.28	0.48
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG22	14	0.46	0.28	0.48
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG23	14	0.46	0.28	0.48
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG21	14	0.46	0.28	0.48
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG22	14	0.46	0.28	0.48
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG23	14	0.46	0.28	0.48
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG21	14	0.46	0.28	0.48
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG22	14	0.46	0.28	0.48
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG23	14	0.46	0.28	0.48
(1,1292)	1:13:A:VAL:HG11	1:103:A:GLU:HG2	14	0.39	0.18	0.38
(1,1292)	1:13:A:VAL:HG12	1:103:A:GLU:HG2	14	0.39	0.18	0.38
(1,1292)	1:13:A:VAL:HG13	1:103:A:GLU:HG2	14	0.39	0.18	0.38
(1,669)	1:63:A:ILE:H	1:63:A:ILE:HG12	14	0.24	0.06	0.23
(1,2361)	1:7:A:PHE:HB2	1:8:A:GLU:H	14	0.2	0.06	0.21
(1,521)	1:51:A:VAL:HG11	1:53:A:LYS:HB2	13	0.89	0.44	0.74
(1,521)	1:51:A:VAL:HG12	1:53:A:LYS:HB2	13	0.89	0.44	0.74

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,521)	1:51:A:VAL:HG13	1:53:A:LYS:HB2	13	0.89	0.44	0.74
(1,2910)	1:39:A:TRP:HZ2	1:84:A:MET:HB3	13	0.72	0.38	0.61
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD21	13	0.43	0.21	0.45
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD22	13	0.43	0.21	0.45
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD23	13	0.43	0.21	0.45
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD21	13	0.43	0.21	0.45
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD22	13	0.43	0.21	0.45
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD23	13	0.43	0.21	0.45
(1,1031)	1:26:A:LEU:HD11	1:32:A:PHE:HZ	13	0.4	0.27	0.28
(1,1031)	1:26:A:LEU:HD12	1:32:A:PHE:HZ	13	0.4	0.27	0.28
(1,1031)	1:26:A:LEU:HD13	1:32:A:PHE:HZ	13	0.4	0.27	0.28
(1,2216)	1:3:A:VAL:HG21	1:16:A:LEU:H	13	0.11	0.01	0.1
(1,2216)	1:3:A:VAL:HG22	1:16:A:LEU:H	13	0.11	0.01	0.1
(1,2216)	1:3:A:VAL:HG23	1:16:A:LEU:H	13	0.11	0.01	0.1
(1,311)	1:59:A:GLU:HG3	1:60:A:VAL:HG21	12	2.06	0.06	2.05
(1,311)	1:59:A:GLU:HG3	1:60:A:VAL:HG22	12	2.06	0.06	2.05
(1,311)	1:59:A:GLU:HG3	1:60:A:VAL:HG23	12	2.06	0.06	2.05
(1,305)	1:59:A:GLU:HG2	1:60:A:VAL:HG21	12	1.97	0.05	1.98
(1,305)	1:59:A:GLU:HG2	1:60:A:VAL:HG22	12	1.97	0.05	1.98
(1,305)	1:59:A:GLU:HG2	1:60:A:VAL:HG23	12	1.97	0.05	1.98
(1,385)	1:60:A:VAL:HG11	1:62:A:GLU:HG2	12	1.5	0.49	1.38
(1,385)	1:60:A:VAL:HG12	1:62:A:GLU:HG2	12	1.5	0.49	1.38
(1,385)	1:60:A:VAL:HG13	1:62:A:GLU:HG2	12	1.5	0.49	1.38
(1,1340)	1:59:A:GLU:H	1:60:A:VAL:HG21	12	1.11	0.15	1.16
(1,1340)	1:59:A:GLU:H	1:60:A:VAL:HG22	12	1.11	0.15	1.16
(1,1340)	1:59:A:GLU:H	1:60:A:VAL:HG23	12	1.11	0.15	1.16
(1,2127)	1:50:A:ASN:H	1:51:A:VAL:HG21	12	1.04	0.53	1.12
(1,2127)	1:50:A:ASN:H	1:51:A:VAL:HG22	12	1.04	0.53	1.12
(1,2127)	1:50:A:ASN:H	1:51:A:VAL:HG23	12	1.04	0.53	1.12
(1,1260)	1:60:A:VAL:HG11	1:89:A:ILE:H	12	0.97	0.24	0.96
(1,1260)	1:60:A:VAL:HG12	1:89:A:ILE:H	12	0.97	0.24	0.96
(1,1260)	1:60:A:VAL:HG13	1:89:A:ILE:H	12	0.97	0.24	0.96
(1,740)	1:2:A:ARG:HG3	1:16:A:LEU:H	12	0.96	0.4	0.83
(1,1752)	1:59:A:GLU:HA	1:60:A:VAL:HG21	12	0.95	0.04	0.96
(1,1752)	1:59:A:GLU:HA	1:60:A:VAL:HG22	12	0.95	0.04	0.96
(1,1752)	1:59:A:GLU:HA	1:60:A:VAL:HG23	12	0.95	0.04	0.96
(1,620)	1:59:A:GLU:HB3	1:60:A:VAL:HG21	12	0.93	0.07	0.9
(1,620)	1:59:A:GLU:HB3	1:60:A:VAL:HG22	12	0.93	0.07	0.9
(1,620)	1:59:A:GLU:HB3	1:60:A:VAL:HG23	12	0.93	0.07	0.9
(1,1366)	1:59:A:GLU:HB2	1:60:A:VAL:HG21	12	0.91	0.08	0.88
(1,1366)	1:59:A:GLU:HB2	1:60:A:VAL:HG22	12	0.91	0.08	0.88
(1,1366)	1:59:A:GLU:HB2	1:60:A:VAL:HG23	12	0.91	0.08	0.88

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,761)	1:5:A:LEU:HD21	1:14:A:ILE:HG13	12	0.85	0.34	0.92
(1,761)	1:5:A:LEU:HD22	1:14:A:ILE:HG13	12	0.85	0.34	0.92
(1,761)	1:5:A:LEU:HD23	1:14:A:ILE:HG13	12	0.85	0.34	0.92
(1,1966)	1:2:A:ARG:HG3	1:15:A:ASP:HA	12	0.85	0.37	0.71
(1,1483)	1:53:A:LYS:HG3	1:55:A:GLU:HA	12	0.83	0.35	0.78
(1,1876)	1:60:A:VAL:HG11	1:88:A:LYS:HA	12	0.81	0.25	0.85
(1,1876)	1:60:A:VAL:HG12	1:88:A:LYS:HA	12	0.81	0.25	0.85
(1,1876)	1:60:A:VAL:HG13	1:88:A:LYS:HA	12	0.81	0.25	0.85
(1,2320)	1:96:A:ASN:H	1:96:A:ASN:HD22	12	0.78	0.15	0.78
(1,2894)	1:39:A:TRP:HZ3	1:84:A:MET:HB3	12	0.78	0.34	0.76
(1,31)	1:1:A:MET:HB2	1:16:A:LEU:HB3	12	0.77	0.41	0.77
(1,31)	1:1:A:MET:HB3	1:16:A:LEU:HB3	12	0.77	0.41	0.77
(1,53)	1:72:A:GLY:HA2	1:74:A:ALA:H	12	0.61	0.28	0.58
(1,360)	1:105:A:LEU:HD11	1:106:A:GLU:HG2	12	0.6	0.27	0.6
(1,360)	1:105:A:LEU:HD11	1:106:A:GLU:HG3	12	0.6	0.27	0.6
(1,360)	1:105:A:LEU:HD12	1:106:A:GLU:HG2	12	0.6	0.27	0.6
(1,360)	1:105:A:LEU:HD12	1:106:A:GLU:HG3	12	0.6	0.27	0.6
(1,360)	1:105:A:LEU:HD13	1:106:A:GLU:HG2	12	0.6	0.27	0.6
(1,360)	1:105:A:LEU:HD13	1:106:A:GLU:HG3	12	0.6	0.27	0.6
(1,1200)	1:61:A:VAL:HG21	1:95:A:VAL:HG11	12	0.45	0.19	0.41
(1,1200)	1:61:A:VAL:HG21	1:95:A:VAL:HG12	12	0.45	0.19	0.41
(1,1200)	1:61:A:VAL:HG21	1:95:A:VAL:HG13	12	0.45	0.19	0.41
(1,1200)	1:61:A:VAL:HG22	1:95:A:VAL:HG11	12	0.45	0.19	0.41
(1,1200)	1:61:A:VAL:HG22	1:95:A:VAL:HG12	12	0.45	0.19	0.41
(1,1200)	1:61:A:VAL:HG22	1:95:A:VAL:HG13	12	0.45	0.19	0.41
(1,1200)	1:61:A:VAL:HG23	1:95:A:VAL:HG11	12	0.45	0.19	0.41
(1,1200)	1:61:A:VAL:HG23	1:95:A:VAL:HG12	12	0.45	0.19	0.41
(1,1200)	1:61:A:VAL:HG23	1:95:A:VAL:HG13	12	0.45	0.19	0.41
(1,247)	1:56:A:ASN:HB2	1:96:A:ASN:HA	12	0.4	0.13	0.42
(1,1395)	1:26:A:LEU:HA	1:49:A:VAL:HG11	12	0.38	0.14	0.36
(1,1395)	1:26:A:LEU:HA	1:49:A:VAL:HG12	12	0.38	0.14	0.36
(1,1395)	1:26:A:LEU:HA	1:49:A:VAL:HG13	12	0.38	0.14	0.36
(1,1303)	1:22:A:VAL:HG21	1:23:A:VAL:HB	12	0.34	0.21	0.24
(1,1303)	1:22:A:VAL:HG22	1:23:A:VAL:HB	12	0.34	0.21	0.24
(1,1303)	1:22:A:VAL:HG23	1:23:A:VAL:HB	12	0.34	0.21	0.24
(1,2286)	1:22:A:VAL:HG11	1:26:A:LEU:H	12	0.33	0.1	0.36
(1,2286)	1:22:A:VAL:HG12	1:26:A:LEU:H	12	0.33	0.1	0.36
(1,2286)	1:22:A:VAL:HG13	1:26:A:LEU:H	12	0.33	0.1	0.36
(1,1288)	1:5:A:LEU:H	1:13:A:VAL:HG11	12	0.31	0.13	0.34
(1,1288)	1:5:A:LEU:H	1:13:A:VAL:HG12	12	0.31	0.13	0.34
(1,1288)	1:5:A:LEU:H	1:13:A:VAL:HG13	12	0.31	0.13	0.34
(1,1261)	1:60:A:VAL:HG11	1:61:A:VAL:H	12	0.31	0.12	0.27

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1261)	1:60:A:VAL:HG12	1:61:A:VAL:H	12	0.31	0.12	0.27
(1,1261)	1:60:A:VAL:HG13	1:61:A:VAL:H	12	0.31	0.12	0.27
(1,1759)	1:2:A:ARG:HA	1:15:A:ASP:HB3	12	0.28	0.12	0.26
(1,990)	1:75:A:LEU:HA	1:75:A:LEU:HD21	12	0.25	0.07	0.24
(1,990)	1:75:A:LEU:HA	1:75:A:LEU:HD22	12	0.25	0.07	0.24
(1,990)	1:75:A:LEU:HA	1:75:A:LEU:HD23	12	0.25	0.07	0.24
(1,868)	1:119:A:VAL:HG21	1:120:A:ARG:HG3	12	0.22	0.12	0.18
(1,868)	1:119:A:VAL:HG22	1:120:A:ARG:HG3	12	0.22	0.12	0.18
(1,868)	1:119:A:VAL:HG23	1:120:A:ARG:HG3	12	0.22	0.12	0.18
(1,584)	1:48:A:PRO:HB2	1:49:A:VAL:HG11	11	1.09	0.2	1.12
(1,584)	1:48:A:PRO:HB2	1:49:A:VAL:HG12	11	1.09	0.2	1.12
(1,584)	1:48:A:PRO:HB2	1:49:A:VAL:HG13	11	1.09	0.2	1.12
(1,1217)	1:25:A:LEU:HD21	1:29:A:LYS:HE2	11	0.98	0.72	1.13
(1,1217)	1:25:A:LEU:HD21	1:29:A:LYS:HE3	11	0.98	0.72	1.13
(1,1217)	1:25:A:LEU:HD22	1:29:A:LYS:HE2	11	0.98	0.72	1.13
(1,1217)	1:25:A:LEU:HD22	1:29:A:LYS:HE3	11	0.98	0.72	1.13
(1,1217)	1:25:A:LEU:HD23	1:29:A:LYS:HE2	11	0.98	0.72	1.13
(1,1217)	1:25:A:LEU:HD23	1:29:A:LYS:HE3	11	0.98	0.72	1.13
(1,1139)	1:49:A:VAL:HG21	1:50:A:ASN:HA	11	0.86	0.11	0.89
(1,1139)	1:49:A:VAL:HG22	1:50:A:ASN:HA	11	0.86	0.11	0.89
(1,1139)	1:49:A:VAL:HG23	1:50:A:ASN:HA	11	0.86	0.11	0.89
(1,932)	1:105:A:LEU:HD11	1:106:A:GLU:HA	11	0.8	0.31	0.73
(1,932)	1:105:A:LEU:HD12	1:106:A:GLU:HA	11	0.8	0.31	0.73
(1,932)	1:105:A:LEU:HD13	1:106:A:GLU:HA	11	0.8	0.31	0.73
(1,1272)	1:51:A:VAL:HG11	1:53:A:LYS:H	11	0.79	0.22	0.81
(1,1272)	1:51:A:VAL:HG12	1:53:A:LYS:H	11	0.79	0.22	0.81
(1,1272)	1:51:A:VAL:HG13	1:53:A:LYS:H	11	0.79	0.22	0.81
(1,1084)	1:15:A:ASP:HB2	1:16:A:LEU:HD21	11	0.76	0.32	0.93
(1,1084)	1:15:A:ASP:HB2	1:16:A:LEU:HD22	11	0.76	0.32	0.93
(1,1084)	1:15:A:ASP:HB2	1:16:A:LEU:HD23	11	0.76	0.32	0.93
(1,704)	1:81:A:LYS:HD2	1:89:A:ILE:HD11	11	0.69	0.28	0.72
(1,704)	1:81:A:LYS:HD2	1:89:A:ILE:HD12	11	0.69	0.28	0.72
(1,704)	1:81:A:LYS:HD2	1:89:A:ILE:HD13	11	0.69	0.28	0.72
(1,1393)	1:48:A:PRO:HA	1:49:A:VAL:HG11	11	0.64	0.05	0.63
(1,1393)	1:48:A:PRO:HA	1:49:A:VAL:HG12	11	0.64	0.05	0.63
(1,1393)	1:48:A:PRO:HA	1:49:A:VAL:HG13	11	0.64	0.05	0.63
(1,133)	1:109:A:LYS:HA	1:109:A:LYS:HE3	11	0.62	0.31	0.72
(1,658)	1:72:A:GLY:HA3	1:73:A:LYS:HD2	11	0.61	0.32	0.63
(1,658)	1:72:A:GLY:HA3	1:73:A:LYS:HD3	11	0.61	0.32	0.63
(1,2719)	1:60:A:VAL:HG21	1:90:A:GLN:HE22	11	0.61	0.2	0.68
(1,2719)	1:60:A:VAL:HG22	1:90:A:GLN:HE22	11	0.61	0.2	0.68
(1,2719)	1:60:A:VAL:HG23	1:90:A:GLN:HE22	11	0.61	0.2	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,495)	1:29:A:LYS:HB3	1:49:A:VAL:HG11	11	0.5	0.19	0.49
(1,495)	1:29:A:LYS:HB3	1:49:A:VAL:HG12	11	0.5	0.19	0.49
(1,495)	1:29:A:LYS:HB3	1:49:A:VAL:HG13	11	0.5	0.19	0.49
(1,175)	1:65:A:ASP:HB2	1:97:A:VAL:HA	11	0.48	0.41	0.36
(1,963)	1:79:A:PHE:HA	1:105:A:LEU:HD21	11	0.41	0.14	0.43
(1,963)	1:79:A:PHE:HA	1:105:A:LEU:HD22	11	0.41	0.14	0.43
(1,963)	1:79:A:PHE:HA	1:105:A:LEU:HD23	11	0.41	0.14	0.43
(1,838)	1:78:A:PHE:HZ	1:91:A:PRO:HG2	11	0.36	0.11	0.37
(1,2824)	1:7:A:PHE:HD1	1:117:A:VAL:HG21	11	0.36	0.52	0.11
(1,2824)	1:7:A:PHE:HD1	1:117:A:VAL:HG22	11	0.36	0.52	0.11
(1,2824)	1:7:A:PHE:HD1	1:117:A:VAL:HG23	11	0.36	0.52	0.11
(1,2824)	1:7:A:PHE:HD2	1:117:A:VAL:HG21	11	0.36	0.52	0.11
(1,2824)	1:7:A:PHE:HD2	1:117:A:VAL:HG22	11	0.36	0.52	0.11
(1,2824)	1:7:A:PHE:HD2	1:117:A:VAL:HG23	11	0.36	0.52	0.11
(1,1274)	1:21:A:GLU:HB2	1:51:A:VAL:HG11	11	0.33	0.05	0.34
(1,1274)	1:21:A:GLU:HB2	1:51:A:VAL:HG12	11	0.33	0.05	0.34
(1,1274)	1:21:A:GLU:HB2	1:51:A:VAL:HG13	11	0.33	0.05	0.34
(1,1274)	1:21:A:GLU:HB3	1:51:A:VAL:HG11	11	0.33	0.05	0.34
(1,1274)	1:21:A:GLU:HB3	1:51:A:VAL:HG12	11	0.33	0.05	0.34
(1,1274)	1:21:A:GLU:HB3	1:51:A:VAL:HG13	11	0.33	0.05	0.34
(1,173)	1:65:A:ASP:HB2	1:97:A:VAL:HG21	11	0.32	0.13	0.38
(1,173)	1:65:A:ASP:HB2	1:97:A:VAL:HG22	11	0.32	0.13	0.38
(1,173)	1:65:A:ASP:HB2	1:97:A:VAL:HG23	11	0.32	0.13	0.38
(1,1392)	1:49:A:VAL:H	1:49:A:VAL:HG11	11	0.23	0.04	0.22
(1,1392)	1:49:A:VAL:H	1:49:A:VAL:HG12	11	0.23	0.04	0.22
(1,1392)	1:49:A:VAL:H	1:49:A:VAL:HG13	11	0.23	0.04	0.22
(1,143)	1:6:A:LEU:HB2	1:118:A:ALA:H	11	0.14	0.01	0.15
(1,1364)	1:60:A:VAL:H	1:60:A:VAL:HG21	11	0.14	0.04	0.12
(1,1364)	1:60:A:VAL:H	1:60:A:VAL:HG22	11	0.14	0.04	0.12
(1,1364)	1:60:A:VAL:H	1:60:A:VAL:HG23	11	0.14	0.04	0.12
(1,2804)	1:3:A:VAL:HG21	1:121:A:PHE:HE1	11	0.12	0.01	0.12
(1,2804)	1:3:A:VAL:HG21	1:121:A:PHE:HE2	11	0.12	0.01	0.12
(1,2804)	1:3:A:VAL:HG22	1:121:A:PHE:HE1	11	0.12	0.01	0.12
(1,2804)	1:3:A:VAL:HG22	1:121:A:PHE:HE2	11	0.12	0.01	0.12
(1,2804)	1:3:A:VAL:HG23	1:121:A:PHE:HE1	11	0.12	0.01	0.12
(1,2804)	1:3:A:VAL:HG23	1:121:A:PHE:HE2	11	0.12	0.01	0.12
(1,760)	1:5:A:LEU:HD21	1:12:A:CYS:HB3	10	1.25	0.54	1.37
(1,760)	1:5:A:LEU:HD22	1:12:A:CYS:HB3	10	1.25	0.54	1.37
(1,760)	1:5:A:LEU:HD23	1:12:A:CYS:HB3	10	1.25	0.54	1.37
(1,703)	1:81:A:LYS:HD2	1:85:A:SER:HB2	10	0.9	0.48	0.76
(1,1137)	1:49:A:VAL:HG21	1:51:A:VAL:H	10	0.88	0.45	0.96
(1,1137)	1:49:A:VAL:HG22	1:51:A:VAL:H	10	0.88	0.45	0.96

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1137)	1:49:A:VAL:HG23	1:51:A:VAL:H	10	0.88	0.45	0.96
(1,2829)	1:27:A:LYS:HG3	1:121:A:PHE:HZ	10	0.76	0.39	0.96
(1,1738)	1:7:A:PHE:HE1	1:43:A:ILE:HD13	10	0.75	0.34	0.67
(1,1738)	1:7:A:PHE:HE1	1:43:A:ILE:HD11	10	0.75	0.34	0.67
(1,1738)	1:7:A:PHE:HE2	1:43:A:ILE:HD12	10	0.75	0.34	0.67
(1,1738)	1:7:A:PHE:HE2	1:43:A:ILE:HD11	10	0.75	0.34	0.67
(1,1380)	1:58:A:ARG:HG2	1:97:A:VAL:HG11	10	0.63	0.3	0.6
(1,1380)	1:58:A:ARG:HG2	1:97:A:VAL:HG12	10	0.63	0.3	0.6
(1,1380)	1:58:A:ARG:HG2	1:97:A:VAL:HG13	10	0.63	0.3	0.6
(1,2769)	1:79:A:PHE:HD1	1:109:A:LYS:HE3	10	0.58	0.31	0.52
(1,2769)	1:79:A:PHE:HD2	1:109:A:LYS:HE3	10	0.58	0.31	0.52
(1,465)	1:58:A:ARG:HB3	1:95:A:VAL:HG21	10	0.58	0.46	0.42
(1,465)	1:58:A:ARG:HB3	1:95:A:VAL:HG22	10	0.58	0.46	0.42
(1,465)	1:58:A:ARG:HB3	1:95:A:VAL:HG23	10	0.58	0.46	0.42
(1,2135)	1:39:A:TRP:H	1:42:A:GLU:HB2	10	0.54	0.18	0.6
(1,716)	1:39:A:TRP:HB3	1:42:A:GLU:HB2	10	0.53	0.22	0.48
(1,2297)	1:62:A:GLU:HB3	1:65:A:ASP:H	10	0.45	0.25	0.34
(1,589)	1:18:A:GLU:HG3	1:23:A:VAL:HB	10	0.37	0.15	0.33
(1,954)	1:23:A:VAL:H	1:24:A:LYS:HG2	10	0.29	0.05	0.3
(1,337)	1:33:A:GLU:HB2	1:33:A:GLU:HG2	10	0.11	0.01	0.11
(1,2821)	1:7:A:PHE:HD1	1:11:A:LYS:HB2	10	0.11	0.0	0.11
(1,2821)	1:7:A:PHE:HD1	1:11:A:LYS:HB3	10	0.11	0.0	0.11
(1,2821)	1:7:A:PHE:HD2	1:11:A:LYS:HB2	10	0.11	0.0	0.11
(1,2821)	1:7:A:PHE:HD2	1:11:A:LYS:HB3	10	0.11	0.0	0.11
(1,2209)	1:3:A:VAL:HG21	1:122:A:ALA:H	10	0.11	0.0	0.11
(1,2209)	1:3:A:VAL:HG22	1:122:A:ALA:H	10	0.11	0.0	0.11
(1,2209)	1:3:A:VAL:HG23	1:122:A:ALA:H	10	0.11	0.0	0.11
(1,1234)	1:7:A:PHE:HE2	1:108:A:LEU:HD21	9	2.02	0.97	2.14
(1,1234)	1:7:A:PHE:HE2	1:108:A:LEU:HD23	9	2.02	0.97	2.14
(1,1234)	1:7:A:PHE:HE1	1:108:A:LEU:HD23	9	2.02	0.97	2.14
(1,1234)	1:7:A:PHE:HE1	1:108:A:LEU:HD21	9	2.02	0.97	2.14
(1,1510)	1:13:A:VAL:HB	1:102:A:VAL:HG21	9	1.34	0.86	1.85
(1,1510)	1:13:A:VAL:HB	1:102:A:VAL:HG22	9	1.34	0.86	1.85
(1,1510)	1:13:A:VAL:HB	1:102:A:VAL:HG23	9	1.34	0.86	1.85
(1,231)	1:65:A:ASP:H	1:78:A:PHE:HB3	9	0.91	0.51	0.74
(1,714)	1:21:A:GLU:HB2	1:25:A:LEU:HD11	9	0.91	0.2	0.94
(1,714)	1:21:A:GLU:HB2	1:25:A:LEU:HD12	9	0.91	0.2	0.94
(1,714)	1:21:A:GLU:HB2	1:25:A:LEU:HD13	9	0.91	0.2	0.94
(1,714)	1:21:A:GLU:HB3	1:25:A:LEU:HD11	9	0.91	0.2	0.94
(1,714)	1:21:A:GLU:HB3	1:25:A:LEU:HD12	9	0.91	0.2	0.94
(1,714)	1:21:A:GLU:HB3	1:25:A:LEU:HD13	9	0.91	0.2	0.94
(1,919)	1:21:A:GLU:HA	1:25:A:LEU:HD11	9	0.9	0.01	0.9

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,919)	1:21:A:GLU:HA	1:25:A:LEU:HD12	9	0.9	0.01	0.9
(1,919)	1:21:A:GLU:HA	1:25:A:LEU:HD13	9	0.9	0.01	0.9
(1,1063)	1:22:A:VAL:HA	1:25:A:LEU:HD11	9	0.88	0.17	0.84
(1,1063)	1:22:A:VAL:HA	1:25:A:LEU:HD12	9	0.88	0.17	0.84
(1,1063)	1:22:A:VAL:HA	1:25:A:LEU:HD13	9	0.88	0.17	0.84
(1,612)	1:1:A:MET:HG2	1:16:A:LEU:HB3	9	0.87	0.36	0.94
(1,663)	1:110:A:LYS:HA	1:110:A:LYS:HD3	9	0.85	0.14	0.9
(1,400)	1:21:A:GLU:HG2	1:25:A:LEU:HD11	9	0.78	0.13	0.8
(1,400)	1:21:A:GLU:HG2	1:25:A:LEU:HD12	9	0.78	0.13	0.8
(1,400)	1:21:A:GLU:HG2	1:25:A:LEU:HD13	9	0.78	0.13	0.8
(1,1304)	1:22:A:VAL:HG21	1:98:A:ILE:HB	9	0.75	0.44	0.63
(1,1304)	1:22:A:VAL:HG22	1:98:A:ILE:HB	9	0.75	0.44	0.63
(1,1304)	1:22:A:VAL:HG23	1:98:A:ILE:HB	9	0.75	0.44	0.63
(1,2718)	1:59:A:GLU:HB2	1:90:A:GLN:HE22	9	0.7	0.37	0.65
(1,632)	1:58:A:ARG:HG2	1:97:A:VAL:HB	9	0.58	0.4	0.38
(1,921)	1:22:A:VAL:H	1:25:A:LEU:HD11	9	0.54	0.15	0.54
(1,921)	1:22:A:VAL:H	1:25:A:LEU:HD12	9	0.54	0.15	0.54
(1,921)	1:22:A:VAL:H	1:25:A:LEU:HD13	9	0.54	0.15	0.54
(1,2549)	1:109:A:LYS:HG2	1:110:A:LYS:H	9	0.52	0.23	0.5
(1,1516)	1:2:A:ARG:HG3	1:102:A:VAL:HG21	9	0.5	0.28	0.38
(1,1516)	1:2:A:ARG:HG3	1:102:A:VAL:HG22	9	0.5	0.28	0.38
(1,1516)	1:2:A:ARG:HG3	1:102:A:VAL:HG23	9	0.5	0.28	0.38
(1,966)	1:64:A:GLY:HA2	1:105:A:LEU:HD21	9	0.44	0.22	0.38
(1,966)	1:64:A:GLY:HA2	1:105:A:LEU:HD22	9	0.44	0.22	0.38
(1,966)	1:64:A:GLY:HA2	1:105:A:LEU:HD23	9	0.44	0.22	0.38
(1,122)	1:112:A:LYS:HG2	1:112:A:LYS:HE2	9	0.31	0.09	0.3
(1,2514)	1:60:A:VAL:H	1:61:A:VAL:HG21	9	0.2	0.12	0.15
(1,2514)	1:60:A:VAL:H	1:61:A:VAL:HG22	9	0.2	0.12	0.15
(1,2514)	1:60:A:VAL:H	1:61:A:VAL:HG23	9	0.2	0.12	0.15
(1,196)	1:35:A:VAL:HG21	1:45:A:PHE:HB3	9	0.11	0.01	0.11
(1,196)	1:35:A:VAL:HG22	1:45:A:PHE:HB3	9	0.11	0.01	0.11
(1,196)	1:35:A:VAL:HG23	1:45:A:PHE:HB3	9	0.11	0.01	0.11
(1,1614)	1:36:A:VAL:HB	1:43:A:ILE:HG21	9	0.11	0.0	0.11
(1,1614)	1:36:A:VAL:HB	1:43:A:ILE:HG22	9	0.11	0.0	0.11
(1,1614)	1:36:A:VAL:HB	1:43:A:ILE:HG23	9	0.11	0.0	0.11
(1,2202)	1:5:A:LEU:HD11	1:120:A:ARG:H	8	2.48	0.17	2.52
(1,2202)	1:5:A:LEU:HD12	1:120:A:ARG:H	8	2.48	0.17	2.52
(1,2202)	1:5:A:LEU:HD13	1:120:A:ARG:H	8	2.48	0.17	2.52
(1,1352)	1:5:A:LEU:HD11	1:119:A:VAL:HA	8	1.51	0.14	1.56
(1,1352)	1:5:A:LEU:HD12	1:119:A:VAL:HA	8	1.51	0.14	1.56
(1,1352)	1:5:A:LEU:HD13	1:119:A:VAL:HA	8	1.51	0.14	1.56
(1,2732)	1:22:A:VAL:HG21	1:96:A:ASN:HD22	8	1.42	0.44	1.41

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2732)	1:22:A:VAL:HG22	1:96:A:ASN:HD22	8	1.42	0.44	1.41
(1,2732)	1:22:A:VAL:HG23	1:96:A:ASN:HD22	8	1.42	0.44	1.41
(1,1345)	1:2:A:ARG:HE	1:13:A:VAL:HG21	8	1.11	0.63	1.1
(1,1345)	1:2:A:ARG:HE	1:13:A:VAL:HG22	8	1.11	0.63	1.1
(1,1345)	1:2:A:ARG:HE	1:13:A:VAL:HG23	8	1.11	0.63	1.1
(1,1021)	1:53:A:LYS:HG3	1:55:A:GLU:H	8	0.99	0.36	0.94
(1,124)	1:112:A:LYS:HA	1:112:A:LYS:HE2	8	0.92	0.07	0.92
(1,77)	1:2:A:ARG:HD3	1:15:A:ASP:HB3	8	0.85	0.47	0.86
(1,220)	1:95:A:VAL:HA	1:96:A:ASN:HB2	8	0.76	0.13	0.77
(1,840)	1:4:A:GLU:H	1:5:A:LEU:HD11	8	0.69	0.17	0.7
(1,840)	1:4:A:GLU:H	1:5:A:LEU:HD12	8	0.69	0.17	0.7
(1,840)	1:4:A:GLU:H	1:5:A:LEU:HD13	8	0.69	0.17	0.7
(1,1931)	1:81:A:LYS:HG2	1:89:A:ILE:HD11	8	0.68	0.21	0.73
(1,1931)	1:81:A:LYS:HG2	1:89:A:ILE:HD12	8	0.68	0.21	0.73
(1,1931)	1:81:A:LYS:HG2	1:89:A:ILE:HD13	8	0.68	0.21	0.73
(1,843)	1:5:A:LEU:HA	1:5:A:LEU:HD11	8	0.52	0.03	0.53
(1,843)	1:5:A:LEU:HA	1:5:A:LEU:HD12	8	0.52	0.03	0.53
(1,843)	1:5:A:LEU:HA	1:5:A:LEU:HD13	8	0.52	0.03	0.53
(1,1381)	1:61:A:VAL:HG21	1:97:A:VAL:HG11	8	0.47	0.2	0.44
(1,1381)	1:61:A:VAL:HG21	1:97:A:VAL:HG12	8	0.47	0.2	0.44
(1,1381)	1:61:A:VAL:HG21	1:97:A:VAL:HG13	8	0.47	0.2	0.44
(1,1381)	1:61:A:VAL:HG22	1:97:A:VAL:HG11	8	0.47	0.2	0.44
(1,1381)	1:61:A:VAL:HG22	1:97:A:VAL:HG12	8	0.47	0.2	0.44
(1,1381)	1:61:A:VAL:HG22	1:97:A:VAL:HG13	8	0.47	0.2	0.44
(1,1381)	1:61:A:VAL:HG23	1:97:A:VAL:HG11	8	0.47	0.2	0.44
(1,1381)	1:61:A:VAL:HG23	1:97:A:VAL:HG12	8	0.47	0.2	0.44
(1,1381)	1:61:A:VAL:HG23	1:97:A:VAL:HG13	8	0.47	0.2	0.44
(1,1024)	1:29:A:LYS:HG3	1:49:A:VAL:HG11	8	0.47	0.56	0.26
(1,1024)	1:29:A:LYS:HG3	1:49:A:VAL:HG12	8	0.47	0.56	0.26
(1,1024)	1:29:A:LYS:HG3	1:49:A:VAL:HG13	8	0.47	0.56	0.26
(1,513)	1:61:A:VAL:HB	1:78:A:PHE:HB3	8	0.45	0.25	0.45
(1,519)	1:51:A:VAL:HG11	1:53:A:LYS:HB3	8	0.43	0.2	0.5
(1,519)	1:51:A:VAL:HG12	1:53:A:LYS:HB3	8	0.43	0.2	0.5
(1,519)	1:51:A:VAL:HG13	1:53:A:LYS:HB3	8	0.43	0.2	0.5
(1,2662)	1:7:A:PHE:HD1	1:9:A:SER:H	8	0.42	0.22	0.51
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG21	8	0.38	0.09	0.37
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG22	8	0.38	0.09	0.37
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG23	8	0.38	0.09	0.37
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG21	8	0.38	0.09	0.37
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG22	8	0.38	0.09	0.37
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG23	8	0.38	0.09	0.37
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG21	8	0.38	0.09	0.37

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG22	8	0.38	0.09	0.37
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG23	8	0.38	0.09	0.37
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG11	8	0.38	0.09	0.37
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG12	8	0.38	0.09	0.37
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG13	8	0.38	0.09	0.37
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG11	8	0.38	0.09	0.37
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG12	8	0.38	0.09	0.37
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG13	8	0.38	0.09	0.37
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG11	8	0.38	0.09	0.37
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG12	8	0.38	0.09	0.37
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG13	8	0.38	0.09	0.37
(1,469)	1:60:A:VAL:HG11	1:88:A:LYS:HB3	8	0.33	0.19	0.26
(1,469)	1:60:A:VAL:HG12	1:88:A:LYS:HB3	8	0.33	0.19	0.26
(1,469)	1:60:A:VAL:HG13	1:88:A:LYS:HB3	8	0.33	0.19	0.26
(1,469)	1:60:A:VAL:HG11	1:88:A:LYS:HB2	8	0.33	0.19	0.26
(1,469)	1:60:A:VAL:HG12	1:88:A:LYS:HB2	8	0.33	0.19	0.26
(1,469)	1:60:A:VAL:HG13	1:88:A:LYS:HB2	8	0.33	0.19	0.26
(1,2298)	1:61:A:VAL:HG11	1:65:A:ASP:H	8	0.26	0.17	0.17
(1,2298)	1:61:A:VAL:HG12	1:65:A:ASP:H	8	0.26	0.17	0.17
(1,2298)	1:61:A:VAL:HG13	1:65:A:ASP:H	8	0.26	0.17	0.17
(1,2315)	1:16:A:LEU:HB2	1:17:A:ASN:H	8	0.16	0.08	0.14
(1,1134)	1:36:A:VAL:HG21	1:43:A:ILE:HD11	8	0.12	0.02	0.11
(1,1134)	1:36:A:VAL:HG21	1:43:A:ILE:HD12	8	0.12	0.02	0.11
(1,1134)	1:36:A:VAL:HG21	1:43:A:ILE:HD13	8	0.12	0.02	0.11
(1,1134)	1:36:A:VAL:HG22	1:43:A:ILE:HD11	8	0.12	0.02	0.11
(1,1134)	1:36:A:VAL:HG22	1:43:A:ILE:HD12	8	0.12	0.02	0.11
(1,1134)	1:36:A:VAL:HG22	1:43:A:ILE:HD13	8	0.12	0.02	0.11
(1,1134)	1:36:A:VAL:HG23	1:43:A:ILE:HD11	8	0.12	0.02	0.11
(1,1134)	1:36:A:VAL:HG23	1:43:A:ILE:HD12	8	0.12	0.02	0.11
(1,1134)	1:36:A:VAL:HG23	1:43:A:ILE:HD13	8	0.12	0.02	0.11
(1,1917)	1:42:A:GLU:HA	1:43:A:ILE:HD11	8	0.11	0.01	0.11
(1,1917)	1:42:A:GLU:HA	1:43:A:ILE:HD12	8	0.11	0.01	0.11
(1,1917)	1:42:A:GLU:HA	1:43:A:ILE:HD13	8	0.11	0.01	0.11
(1,2775)	1:79:A:PHE:HD1	1:108:A:LEU:HD11	7	1.79	0.16	1.82
(1,2775)	1:79:A:PHE:HD1	1:108:A:LEU:HD12	7	1.79	0.16	1.82
(1,2775)	1:79:A:PHE:HD1	1:108:A:LEU:HD13	7	1.79	0.16	1.82
(1,2775)	1:79:A:PHE:HD2	1:108:A:LEU:HD11	7	1.79	0.16	1.82
(1,2775)	1:79:A:PHE:HD2	1:108:A:LEU:HD12	7	1.79	0.16	1.82
(1,2775)	1:79:A:PHE:HD2	1:108:A:LEU:HD13	7	1.79	0.16	1.82
(1,1242)	1:11:A:LYS:H	1:108:A:LEU:HD21	7	1.69	0.67	2.14
(1,1242)	1:11:A:LYS:H	1:108:A:LEU:HD22	7	1.69	0.67	2.14
(1,1242)	1:11:A:LYS:H	1:108:A:LEU:HD23	7	1.69	0.67	2.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1056)	1:85:A:SER:HB2	1:86:A:ASP:HA	7	1.44	0.09	1.44
(1,784)	1:78:A:PHE:H	1:108:A:LEU:HD11	7	1.44	0.29	1.54
(1,784)	1:78:A:PHE:H	1:108:A:LEU:HD12	7	1.44	0.29	1.54
(1,784)	1:78:A:PHE:H	1:108:A:LEU:HD13	7	1.44	0.29	1.54
(1,787)	1:79:A:PHE:HA	1:108:A:LEU:HD11	7	1.41	0.34	1.49
(1,787)	1:79:A:PHE:HA	1:108:A:LEU:HD12	7	1.41	0.34	1.49
(1,787)	1:79:A:PHE:HA	1:108:A:LEU:HD13	7	1.41	0.34	1.49
(1,792)	1:79:A:PHE:HB2	1:108:A:LEU:HD11	7	1.41	0.34	1.52
(1,792)	1:79:A:PHE:HB2	1:108:A:LEU:HD12	7	1.41	0.34	1.52
(1,792)	1:79:A:PHE:HB2	1:108:A:LEU:HD13	7	1.41	0.34	1.52
(1,1221)	1:50:A:ASN:HA	1:51:A:VAL:HG21	7	1.29	0.49	1.42
(1,1221)	1:50:A:ASN:HA	1:51:A:VAL:HG22	7	1.29	0.49	1.42
(1,1221)	1:50:A:ASN:HA	1:51:A:VAL:HG23	7	1.29	0.49	1.42
(1,2010)	1:108:A:LEU:HD21	1:111:A:ILE:HD11	7	1.25	0.45	1.48
(1,2010)	1:108:A:LEU:HD21	1:111:A:ILE:HD12	7	1.25	0.45	1.48
(1,2010)	1:108:A:LEU:HD21	1:111:A:ILE:HD13	7	1.25	0.45	1.48
(1,2010)	1:108:A:LEU:HD22	1:111:A:ILE:HD11	7	1.25	0.45	1.48
(1,2010)	1:108:A:LEU:HD22	1:111:A:ILE:HD12	7	1.25	0.45	1.48
(1,2010)	1:108:A:LEU:HD22	1:111:A:ILE:HD13	7	1.25	0.45	1.48
(1,2010)	1:108:A:LEU:HD23	1:111:A:ILE:HD11	7	1.25	0.45	1.48
(1,2010)	1:108:A:LEU:HD23	1:111:A:ILE:HD12	7	1.25	0.45	1.48
(1,2010)	1:108:A:LEU:HD23	1:111:A:ILE:HD13	7	1.25	0.45	1.48
(1,753)	1:5:A:LEU:HD21	1:12:A:CYS:HB2	7	1.06	0.39	1.17
(1,753)	1:5:A:LEU:HD22	1:12:A:CYS:HB2	7	1.06	0.39	1.17
(1,753)	1:5:A:LEU:HD23	1:12:A:CYS:HB2	7	1.06	0.39	1.17
(1,831)	1:108:A:LEU:HD21	1:111:A:ILE:HG12	7	1.0	0.26	1.13
(1,831)	1:108:A:LEU:HD22	1:111:A:ILE:HG12	7	1.0	0.26	1.13
(1,831)	1:108:A:LEU:HD23	1:111:A:ILE:HG12	7	1.0	0.26	1.13
(1,819)	1:108:A:LEU:HD21	1:111:A:ILE:HG13	7	0.85	0.39	0.7
(1,819)	1:108:A:LEU:HD22	1:111:A:ILE:HG13	7	0.85	0.39	0.7
(1,819)	1:108:A:LEU:HD23	1:111:A:ILE:HG13	7	0.85	0.39	0.7
(1,2773)	1:79:A:PHE:HD1	1:109:A:LYS:HD3	7	0.78	0.24	0.79
(1,2773)	1:79:A:PHE:HD2	1:109:A:LYS:HD3	7	0.78	0.24	0.79
(1,1237)	1:108:A:LEU:HA	1:108:A:LEU:HD21	7	0.7	0.14	0.77
(1,1237)	1:108:A:LEU:HA	1:108:A:LEU:HD22	7	0.7	0.14	0.77
(1,1237)	1:108:A:LEU:HA	1:108:A:LEU:HD23	7	0.7	0.14	0.77
(1,1330)	1:35:A:VAL:HG21	1:116:A:LYS:HE3	7	0.69	0.42	0.6
(1,1330)	1:35:A:VAL:HG22	1:116:A:LYS:HE3	7	0.69	0.42	0.6
(1,1330)	1:35:A:VAL:HG23	1:116:A:LYS:HE3	7	0.69	0.42	0.6
(1,477)	1:112:A:LYS:HB2	1:112:A:LYS:HE2	7	0.69	0.03	0.69
(1,355)	1:102:A:VAL:HG21	1:103:A:GLU:HG3	7	0.6	0.31	0.61
(1,355)	1:102:A:VAL:HG22	1:103:A:GLU:HG3	7	0.6	0.31	0.61

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,355)	1:102:A:VAL:HG23	1:103:A:GLU:HG3	7	0.6	0.31	0.61
(1,2047)	1:26:A:LEU:HD11	1:48:A:PRO:HD2	7	0.57	0.09	0.61
(1,2047)	1:26:A:LEU:HD12	1:48:A:PRO:HD2	7	0.57	0.09	0.61
(1,2047)	1:26:A:LEU:HD13	1:48:A:PRO:HD2	7	0.57	0.09	0.61
(1,571)	1:85:A:SER:HB3	1:90:A:GLN:HB3	7	0.57	0.2	0.6
(1,1514)	1:101:A:ILE:HA	1:102:A:VAL:HG21	7	0.54	0.18	0.61
(1,1514)	1:101:A:ILE:HA	1:102:A:VAL:HG22	7	0.54	0.18	0.61
(1,1514)	1:101:A:ILE:HA	1:102:A:VAL:HG23	7	0.54	0.18	0.61
(1,789)	1:79:A:PHE:HB3	1:108:A:LEU:HD11	7	0.52	0.29	0.62
(1,789)	1:79:A:PHE:HB3	1:108:A:LEU:HD12	7	0.52	0.29	0.62
(1,789)	1:79:A:PHE:HB3	1:108:A:LEU:HD13	7	0.52	0.29	0.62
(1,1445)	1:27:A:LYS:HA	1:27:A:LYS:HG3	7	0.47	0.15	0.49
(1,1052)	1:58:A:ARG:HB3	1:97:A:VAL:HG21	7	0.38	0.14	0.36
(1,1052)	1:58:A:ARG:HB3	1:97:A:VAL:HG22	7	0.38	0.14	0.36
(1,1052)	1:58:A:ARG:HB3	1:97:A:VAL:HG23	7	0.38	0.14	0.36
(1,867)	1:57:A:PRO:HA	1:58:A:ARG:HG3	7	0.34	0.08	0.31
(1,2438)	1:85:A:SER:HB2	1:87:A:ASP:H	7	0.33	0.01	0.33
(1,648)	1:70:A:PRO:HB3	1:71:A:PRO:HD3	7	0.32	0.05	0.35
(1,820)	1:110:A:LYS:H	1:111:A:ILE:HG13	7	0.22	0.11	0.18
(1,2682)	1:66:A:VAL:HG21	1:67:A:GLY:H	7	0.22	0.18	0.11
(1,2682)	1:66:A:VAL:HG22	1:67:A:GLY:H	7	0.22	0.18	0.11
(1,2682)	1:66:A:VAL:HG23	1:67:A:GLY:H	7	0.22	0.18	0.11
(1,1937)	1:31:A:PRO:HB2	1:120:A:ARG:HA	7	0.22	0.03	0.22
(1,1398)	1:26:A:LEU:HB2	1:49:A:VAL:HG11	7	0.21	0.18	0.15
(1,1398)	1:26:A:LEU:HB2	1:49:A:VAL:HG12	7	0.21	0.18	0.15
(1,1398)	1:26:A:LEU:HB2	1:49:A:VAL:HG13	7	0.21	0.18	0.15
(1,1772)	1:30:A:ILE:HG21	1:31:A:PRO:HB2	7	0.14	0.04	0.13
(1,1772)	1:30:A:ILE:HG22	1:31:A:PRO:HB2	7	0.14	0.04	0.13
(1,1772)	1:30:A:ILE:HG23	1:31:A:PRO:HB2	7	0.14	0.04	0.13
(1,2825)	1:7:A:PHE:HD1	1:36:A:VAL:HG11	7	0.12	0.01	0.12
(1,2825)	1:7:A:PHE:HD1	1:36:A:VAL:HG12	7	0.12	0.01	0.12
(1,2825)	1:7:A:PHE:HD1	1:36:A:VAL:HG13	7	0.12	0.01	0.12
(1,2825)	1:7:A:PHE:HD2	1:36:A:VAL:HG11	7	0.12	0.01	0.12
(1,2825)	1:7:A:PHE:HD2	1:36:A:VAL:HG12	7	0.12	0.01	0.12
(1,2825)	1:7:A:PHE:HD2	1:36:A:VAL:HG13	7	0.12	0.01	0.12
(1,334)	1:33:A:GLU:H	1:33:A:GLU:HG2	7	0.12	0.0	0.12
(1,1078)	1:16:A:LEU:HD21	1:98:A:ILE:H	6	2.36	0.14	2.34
(1,1078)	1:16:A:LEU:HD22	1:98:A:ILE:H	6	2.36	0.14	2.34
(1,1078)	1:16:A:LEU:HD23	1:98:A:ILE:H	6	2.36	0.14	2.34
(1,455)	1:102:A:VAL:HG21	1:103:A:GLU:HB3	6	2.05	0.16	2.05
(1,455)	1:102:A:VAL:HG22	1:103:A:GLU:HB3	6	2.05	0.16	2.05
(1,455)	1:102:A:VAL:HG23	1:103:A:GLU:HB3	6	2.05	0.16	2.05

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2725)	1:16:A:LEU:HD21	1:99:A:GLY:H	6	1.77	0.07	1.78
(1,2725)	1:16:A:LEU:HD22	1:99:A:GLY:H	6	1.77	0.07	1.78
(1,2725)	1:16:A:LEU:HD23	1:99:A:GLY:H	6	1.77	0.07	1.78
(1,1082)	1:16:A:LEU:HD21	1:98:A:ILE:HG12	6	1.68	0.24	1.64
(1,1082)	1:16:A:LEU:HD21	1:98:A:ILE:HG13	6	1.68	0.24	1.64
(1,1082)	1:16:A:LEU:HD22	1:98:A:ILE:HG12	6	1.68	0.24	1.64
(1,1082)	1:16:A:LEU:HD22	1:98:A:ILE:HG13	6	1.68	0.24	1.64
(1,1082)	1:16:A:LEU:HD23	1:98:A:ILE:HG12	6	1.68	0.24	1.64
(1,1082)	1:16:A:LEU:HD23	1:98:A:ILE:HG13	6	1.68	0.24	1.64
(1,1209)	1:100:A:LYS:HD2	1:102:A:VAL:HG11	6	1.62	0.15	1.62
(1,1209)	1:100:A:LYS:HD2	1:102:A:VAL:HG12	6	1.62	0.15	1.62
(1,1209)	1:100:A:LYS:HD2	1:102:A:VAL:HG13	6	1.62	0.15	1.62
(1,1209)	1:100:A:LYS:HD3	1:102:A:VAL:HG11	6	1.62	0.15	1.62
(1,1209)	1:100:A:LYS:HD3	1:102:A:VAL:HG12	6	1.62	0.15	1.62
(1,1209)	1:100:A:LYS:HD3	1:102:A:VAL:HG13	6	1.62	0.15	1.62
(1,1512)	1:13:A:VAL:H	1:102:A:VAL:HG21	6	1.52	0.11	1.56
(1,1512)	1:13:A:VAL:H	1:102:A:VAL:HG22	6	1.52	0.11	1.56
(1,1512)	1:13:A:VAL:H	1:102:A:VAL:HG23	6	1.52	0.11	1.56
(1,2789)	1:7:A:PHE:HE1	1:12:A:CYS:HB3	6	1.5	0.09	1.5
(1,2789)	1:7:A:PHE:HE2	1:12:A:CYS:HB3	6	1.5	0.09	1.5
(1,596)	1:12:A:CYS:HB2	1:103:A:GLU:H	6	1.45	0.11	1.49
(1,1210)	1:100:A:LYS:HA	1:102:A:VAL:HG11	6	1.3	0.07	1.29
(1,1210)	1:100:A:LYS:HA	1:102:A:VAL:HG12	6	1.3	0.07	1.29
(1,1210)	1:100:A:LYS:HA	1:102:A:VAL:HG13	6	1.3	0.07	1.29
(1,1171)	1:100:A:LYS:HB3	1:102:A:VAL:HG11	6	1.21	0.08	1.21
(1,1171)	1:100:A:LYS:HB3	1:102:A:VAL:HG12	6	1.21	0.08	1.21
(1,1171)	1:100:A:LYS:HB3	1:102:A:VAL:HG13	6	1.21	0.08	1.21
(1,2693)	1:17:A:ASN:HD21	1:19:A:GLU:HB3	6	1.11	0.58	1.3
(1,351)	1:102:A:VAL:HG21	1:103:A:GLU:HG2	6	1.04	0.39	1.0
(1,351)	1:102:A:VAL:HG22	1:103:A:GLU:HG2	6	1.04	0.39	1.0
(1,351)	1:102:A:VAL:HG23	1:103:A:GLU:HG2	6	1.04	0.39	1.0
(1,1080)	1:16:A:LEU:HD21	1:99:A:GLY:HA3	6	1.02	0.2	1.1
(1,1080)	1:16:A:LEU:HD22	1:99:A:GLY:HA3	6	1.02	0.2	1.1
(1,1080)	1:16:A:LEU:HD23	1:99:A:GLY:HA3	6	1.02	0.2	1.1
(1,342)	1:41:A:GLU:HG2	1:79:A:PHE:HZ	6	1.0	0.34	1.08
(1,458)	1:102:A:VAL:HG21	1:103:A:GLU:HB2	6	0.97	0.32	1.02
(1,458)	1:102:A:VAL:HG22	1:103:A:GLU:HB2	6	0.97	0.32	1.02
(1,458)	1:102:A:VAL:HG23	1:103:A:GLU:HB2	6	0.97	0.32	1.02
(1,415)	1:12:A:CYS:HB2	1:13:A:VAL:HB	6	0.93	0.24	1.02
(1,1076)	1:16:A:LEU:HD21	1:17:A:ASN:H	6	0.85	0.01	0.85
(1,1076)	1:16:A:LEU:HD22	1:17:A:ASN:H	6	0.85	0.01	0.85
(1,1076)	1:16:A:LEU:HD23	1:17:A:ASN:H	6	0.85	0.01	0.85

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1598)	1:14:A:ILE:HA	1:102:A:VAL:HG21	6	0.67	0.08	0.68
(1,1598)	1:14:A:ILE:HA	1:102:A:VAL:HG22	6	0.67	0.08	0.68
(1,1598)	1:14:A:ILE:HA	1:102:A:VAL:HG23	6	0.67	0.08	0.68
(1,2336)	1:102:A:VAL:HG21	1:103:A:GLU:H	6	0.67	0.04	0.67
(1,2336)	1:102:A:VAL:HG22	1:103:A:GLU:H	6	0.67	0.04	0.67
(1,2336)	1:102:A:VAL:HG23	1:103:A:GLU:H	6	0.67	0.04	0.67
(1,2730)	1:66:A:VAL:HG11	1:99:A:GLY:H	6	0.66	0.8	0.1
(1,2730)	1:66:A:VAL:HG12	1:99:A:GLY:H	6	0.66	0.8	0.1
(1,2730)	1:66:A:VAL:HG13	1:99:A:GLY:H	6	0.66	0.8	0.1
(1,948)	1:1:A:MET:HB2	1:16:A:LEU:HD11	6	0.61	0.37	0.58
(1,948)	1:1:A:MET:HB2	1:16:A:LEU:HD12	6	0.61	0.37	0.58
(1,948)	1:1:A:MET:HB2	1:16:A:LEU:HD13	6	0.61	0.37	0.58
(1,948)	1:1:A:MET:HB3	1:16:A:LEU:HD11	6	0.61	0.37	0.58
(1,948)	1:1:A:MET:HB3	1:16:A:LEU:HD12	6	0.61	0.37	0.58
(1,948)	1:1:A:MET:HB3	1:16:A:LEU:HD13	6	0.61	0.37	0.58
(1,598)	1:12:A:CYS:HB2	1:101:A:ILE:HG21	6	0.59	0.18	0.65
(1,598)	1:12:A:CYS:HB2	1:101:A:ILE:HG22	6	0.59	0.18	0.65
(1,598)	1:12:A:CYS:HB2	1:101:A:ILE:HG23	6	0.59	0.18	0.65
(1,887)	1:43:A:ILE:HD11	1:77:A:LEU:HD11	6	0.59	0.29	0.75
(1,887)	1:43:A:ILE:HD11	1:77:A:LEU:HD12	6	0.59	0.29	0.75
(1,887)	1:43:A:ILE:HD11	1:77:A:LEU:HD13	6	0.59	0.29	0.75
(1,887)	1:43:A:ILE:HD12	1:77:A:LEU:HD11	6	0.59	0.29	0.75
(1,887)	1:43:A:ILE:HD12	1:77:A:LEU:HD12	6	0.59	0.29	0.75
(1,887)	1:43:A:ILE:HD12	1:77:A:LEU:HD13	6	0.59	0.29	0.75
(1,887)	1:43:A:ILE:HD13	1:77:A:LEU:HD11	6	0.59	0.29	0.75
(1,887)	1:43:A:ILE:HD13	1:77:A:LEU:HD12	6	0.59	0.29	0.75
(1,887)	1:43:A:ILE:HD13	1:77:A:LEU:HD13	6	0.59	0.29	0.75
(1,2500)	1:123:A:SER:H	1:123:A:SER:HB2	6	0.58	0.07	0.62
(1,556)	1:54:A:MET:HG2	1:96:A:ASN:HB2	6	0.54	0.27	0.56
(1,556)	1:54:A:MET:HG3	1:96:A:ASN:HB2	6	0.54	0.27	0.56
(1,794)	1:77:A:LEU:HD11	1:108:A:LEU:HD11	6	0.54	0.25	0.56
(1,794)	1:77:A:LEU:HD11	1:108:A:LEU:HD12	6	0.54	0.25	0.56
(1,794)	1:77:A:LEU:HD11	1:108:A:LEU:HD13	6	0.54	0.25	0.56
(1,794)	1:77:A:LEU:HD12	1:108:A:LEU:HD11	6	0.54	0.25	0.56
(1,794)	1:77:A:LEU:HD12	1:108:A:LEU:HD12	6	0.54	0.25	0.56
(1,794)	1:77:A:LEU:HD12	1:108:A:LEU:HD13	6	0.54	0.25	0.56
(1,794)	1:77:A:LEU:HD13	1:108:A:LEU:HD11	6	0.54	0.25	0.56
(1,794)	1:77:A:LEU:HD13	1:108:A:LEU:HD12	6	0.54	0.25	0.56
(1,794)	1:77:A:LEU:HD13	1:108:A:LEU:HD13	6	0.54	0.25	0.56
(1,131)	1:79:A:PHE:HE1	1:109:A:LYS:HE3	6	0.54	0.28	0.56
(1,131)	1:79:A:PHE:HE2	1:109:A:LYS:HE3	6	0.54	0.28	0.56
(1,18)	1:16:A:LEU:HD21	1:99:A:GLY:HA2	6	0.53	0.17	0.46

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,18)	1:16:A:LEU:HD22	1:99:A:GLY:HA2	6	0.53	0.17	0.46
(1,18)	1:16:A:LEU:HD23	1:99:A:GLY:HA2	6	0.53	0.17	0.46
(1,1203)	1:100:A:LYS:H	1:102:A:VAL:HG11	6	0.51	0.08	0.51
(1,1203)	1:100:A:LYS:H	1:102:A:VAL:HG12	6	0.51	0.08	0.51
(1,1203)	1:100:A:LYS:H	1:102:A:VAL:HG13	6	0.51	0.08	0.51
(1,2511)	1:58:A:ARG:HB2	1:60:A:VAL:H	6	0.47	0.14	0.48
(1,1079)	1:16:A:LEU:HA	1:16:A:LEU:HD21	6	0.44	0.04	0.44
(1,1079)	1:16:A:LEU:HA	1:16:A:LEU:HD22	6	0.44	0.04	0.44
(1,1079)	1:16:A:LEU:HA	1:16:A:LEU:HD23	6	0.44	0.04	0.44
(1,1201)	1:101:A:ILE:H	1:102:A:VAL:HG11	6	0.37	0.09	0.37
(1,1201)	1:101:A:ILE:H	1:102:A:VAL:HG12	6	0.37	0.09	0.37
(1,1201)	1:101:A:ILE:H	1:102:A:VAL:HG13	6	0.37	0.09	0.37
(1,2041)	1:54:A:MET:HB3	1:57:A:PRO:HD2	6	0.36	0.11	0.38
(1,2041)	1:54:A:MET:HB3	1:57:A:PRO:HD3	6	0.36	0.11	0.38
(1,599)	1:12:A:CYS:HB2	1:13:A:VAL:H	6	0.29	0.07	0.29
(1,2239)	1:33:A:GLU:HG3	1:119:A:VAL:H	6	0.28	0.15	0.21
(1,115)	1:26:A:LEU:HB3	1:49:A:VAL:HG11	6	0.26	0.19	0.2
(1,115)	1:26:A:LEU:HB3	1:49:A:VAL:HG12	6	0.26	0.19	0.2
(1,115)	1:26:A:LEU:HB3	1:49:A:VAL:HG13	6	0.26	0.19	0.2
(1,1206)	1:102:A:VAL:HA	1:102:A:VAL:HG11	6	0.24	0.04	0.25
(1,1206)	1:102:A:VAL:HA	1:102:A:VAL:HG12	6	0.24	0.04	0.25
(1,1206)	1:102:A:VAL:HA	1:102:A:VAL:HG13	6	0.24	0.04	0.25
(1,2119)	1:50:A:ASN:H	1:50:A:ASN:HB2	6	0.22	0.05	0.22
(1,776)	1:32:A:PHE:HB2	1:48:A:PRO:HG2	6	0.21	0.08	0.2
(1,776)	1:32:A:PHE:HB3	1:48:A:PRO:HG2	6	0.21	0.08	0.2
(1,2873)	1:32:A:PHE:HZ	1:119:A:VAL:HG11	6	0.19	0.04	0.2
(1,2873)	1:32:A:PHE:HZ	1:119:A:VAL:HG12	6	0.19	0.04	0.2
(1,2873)	1:32:A:PHE:HZ	1:119:A:VAL:HG13	6	0.19	0.04	0.2
(1,1136)	1:25:A:LEU:H	1:49:A:VAL:HG21	6	0.19	0.05	0.2
(1,1136)	1:25:A:LEU:H	1:49:A:VAL:HG22	6	0.19	0.05	0.2
(1,1136)	1:25:A:LEU:H	1:49:A:VAL:HG23	6	0.19	0.05	0.2
(1,1969)	1:15:A:ASP:HA	1:16:A:LEU:HG	6	0.11	0.0	0.11
(1,1814)	1:101:A:ILE:HD11	1:102:A:VAL:H	6	0.11	0.0	0.11
(1,1814)	1:101:A:ILE:HD12	1:102:A:VAL:H	6	0.11	0.0	0.11
(1,1814)	1:101:A:ILE:HD13	1:102:A:VAL:H	6	0.11	0.0	0.11
(1,2881)	1:69:A:TRP:HH2	1:92:A:ALA:HB1	6	0.11	0.0	0.11
(1,2881)	1:69:A:TRP:HH2	1:92:A:ALA:HB2	6	0.11	0.0	0.11
(1,2881)	1:69:A:TRP:HH2	1:92:A:ALA:HB3	6	0.11	0.0	0.11
(1,2512)	1:60:A:VAL:H	1:60:A:VAL:HB	6	0.1	0.0	0.1
(1,905)	1:77:A:LEU:HD11	1:108:A:LEU:HA	5	1.67	0.2	1.6
(1,905)	1:77:A:LEU:HD12	1:108:A:LEU:HA	5	1.67	0.2	1.6
(1,905)	1:77:A:LEU:HD13	1:108:A:LEU:HA	5	1.67	0.2	1.6

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,369)	1:17:A:ASN:HA	1:19:A:GLU:HG3	5	1.28	0.21	1.34
(1,2697)	1:17:A:ASN:HD22	1:19:A:GLU:HB3	5	1.09	0.47	1.24
(1,938)	1:66:A:VAL:HA	1:77:A:LEU:HD21	5	1.01	0.3	0.95
(1,938)	1:66:A:VAL:HA	1:77:A:LEU:HD22	5	1.01	0.3	0.95
(1,938)	1:66:A:VAL:HA	1:77:A:LEU:HD23	5	1.01	0.3	0.95
(1,1243)	1:12:A:CYS:HA	1:108:A:LEU:HD21	5	0.92	0.43	0.9
(1,1243)	1:12:A:CYS:HA	1:108:A:LEU:HD22	5	0.92	0.43	0.9
(1,1243)	1:12:A:CYS:HA	1:108:A:LEU:HD23	5	0.92	0.43	0.9
(1,1235)	1:107:A:ASP:HA	1:108:A:LEU:HD21	5	0.91	0.09	0.94
(1,1235)	1:107:A:ASP:HA	1:108:A:LEU:HD22	5	0.91	0.09	0.94
(1,1235)	1:107:A:ASP:HA	1:108:A:LEU:HD23	5	0.91	0.09	0.94
(1,2024)	1:54:A:MET:HG3	1:96:A:ASN:HA	5	0.87	0.44	0.85
(1,888)	1:77:A:LEU:HD11	1:108:A:LEU:HB3	5	0.83	0.23	0.79
(1,888)	1:77:A:LEU:HD12	1:108:A:LEU:HB3	5	0.83	0.23	0.79
(1,888)	1:77:A:LEU:HD13	1:108:A:LEU:HB3	5	0.83	0.23	0.79
(1,946)	1:16:A:LEU:HD11	1:23:A:VAL:HA	5	0.77	0.18	0.77
(1,946)	1:16:A:LEU:HD12	1:23:A:VAL:HA	5	0.77	0.18	0.77
(1,946)	1:16:A:LEU:HD13	1:23:A:VAL:HA	5	0.77	0.18	0.77
(1,1238)	1:12:A:CYS:HB3	1:108:A:LEU:HD21	5	0.59	0.32	0.52
(1,1238)	1:12:A:CYS:HB3	1:108:A:LEU:HD22	5	0.59	0.32	0.52
(1,1238)	1:12:A:CYS:HB3	1:108:A:LEU:HD23	5	0.59	0.32	0.52
(1,1240)	1:77:A:LEU:HD11	1:108:A:LEU:HD21	5	0.57	0.23	0.48
(1,1240)	1:77:A:LEU:HD11	1:108:A:LEU:HD22	5	0.57	0.23	0.48
(1,1240)	1:77:A:LEU:HD11	1:108:A:LEU:HD23	5	0.57	0.23	0.48
(1,1240)	1:77:A:LEU:HD12	1:108:A:LEU:HD21	5	0.57	0.23	0.48
(1,1240)	1:77:A:LEU:HD12	1:108:A:LEU:HD22	5	0.57	0.23	0.48
(1,1240)	1:77:A:LEU:HD12	1:108:A:LEU:HD23	5	0.57	0.23	0.48
(1,1240)	1:77:A:LEU:HD13	1:108:A:LEU:HD21	5	0.57	0.23	0.48
(1,1240)	1:77:A:LEU:HD13	1:108:A:LEU:HD22	5	0.57	0.23	0.48
(1,1240)	1:77:A:LEU:HD13	1:108:A:LEU:HD23	5	0.57	0.23	0.48
(1,193)	1:107:A:ASP:HB3	1:108:A:LEU:HD21	5	0.55	0.14	0.49
(1,193)	1:107:A:ASP:HB3	1:108:A:LEU:HD22	5	0.55	0.14	0.49
(1,193)	1:107:A:ASP:HB3	1:108:A:LEU:HD23	5	0.55	0.14	0.49
(1,229)	1:50:A:ASN:HB3	1:73:A:LYS:HD2	5	0.51	0.16	0.59
(1,229)	1:50:A:ASN:HB3	1:73:A:LYS:HD3	5	0.51	0.16	0.59
(1,2797)	1:27:A:LYS:HG3	1:121:A:PHE:HE1	5	0.41	0.19	0.31
(1,2797)	1:27:A:LYS:HG3	1:121:A:PHE:HE2	5	0.41	0.19	0.31
(1,563)	1:109:A:LYS:HB3	1:109:A:LYS:HE3	5	0.39	0.09	0.44
(1,376)	1:25:A:LEU:HD21	1:28:A:GLU:HG2	5	0.36	0.22	0.28
(1,376)	1:25:A:LEU:HD22	1:28:A:GLU:HG2	5	0.36	0.22	0.28
(1,376)	1:25:A:LEU:HD23	1:28:A:GLU:HG2	5	0.36	0.22	0.28
(1,1224)	1:22:A:VAL:HA	1:51:A:VAL:HG21	5	0.35	0.18	0.34

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1224)	1:22:A:VAL:HA	1:51:A:VAL:HG22	5	0.35	0.18	0.34
(1,1224)	1:22:A:VAL:HA	1:51:A:VAL:HG23	5	0.35	0.18	0.34
(1,2379)	1:68:A:TYR:H	1:96:A:ASN:HB3	5	0.33	0.11	0.27
(1,1702)	1:7:A:PHE:HE1	1:108:A:LEU:HA	5	0.32	0.13	0.35
(1,1077)	1:16:A:LEU:HD21	1:100:A:LYS:H	5	0.32	0.09	0.36
(1,1077)	1:16:A:LEU:HD22	1:100:A:LYS:H	5	0.32	0.09	0.36
(1,1077)	1:16:A:LEU:HD23	1:100:A:LYS:H	5	0.32	0.09	0.36
(1,947)	1:1:A:MET:HG2	1:16:A:LEU:HD11	5	0.31	0.06	0.3
(1,947)	1:1:A:MET:HG2	1:16:A:LEU:HD12	5	0.31	0.06	0.3
(1,947)	1:1:A:MET:HG2	1:16:A:LEU:HD13	5	0.31	0.06	0.3
(1,2428)	1:11:A:LYS:H	1:11:A:LYS:HG3	5	0.31	0.12	0.31
(1,618)	1:7:A:PHE:HD1	1:115:A:GLU:HB3	5	0.27	0.12	0.33
(1,618)	1:7:A:PHE:HD2	1:115:A:GLU:HB3	5	0.27	0.12	0.33
(1,2048)	1:48:A:PRO:HD2	1:49:A:VAL:HG11	5	0.26	0.13	0.25
(1,2048)	1:48:A:PRO:HD2	1:49:A:VAL:HG12	5	0.26	0.13	0.25
(1,2048)	1:48:A:PRO:HD2	1:49:A:VAL:HG13	5	0.26	0.13	0.25
(1,941)	1:77:A:LEU:HA	1:77:A:LEU:HD21	5	0.26	0.09	0.24
(1,941)	1:77:A:LEU:HA	1:77:A:LEU:HD22	5	0.26	0.09	0.24
(1,941)	1:77:A:LEU:HA	1:77:A:LEU:HD23	5	0.26	0.09	0.24
(1,870)	1:14:A:ILE:HG12	1:15:A:ASP:HA	5	0.24	0.15	0.14
(1,1280)	1:32:A:PHE:HA	1:119:A:VAL:HG21	5	0.24	0.04	0.26
(1,1280)	1:32:A:PHE:HA	1:119:A:VAL:HG22	5	0.24	0.04	0.26
(1,1280)	1:32:A:PHE:HA	1:119:A:VAL:HG23	5	0.24	0.04	0.26
(1,1010)	1:6:A:LEU:HD11	1:117:A:VAL:HG21	5	0.23	0.13	0.16
(1,1010)	1:6:A:LEU:HD11	1:117:A:VAL:HG22	5	0.23	0.13	0.16
(1,1010)	1:6:A:LEU:HD11	1:117:A:VAL:HG23	5	0.23	0.13	0.16
(1,1010)	1:6:A:LEU:HD12	1:117:A:VAL:HG21	5	0.23	0.13	0.16
(1,1010)	1:6:A:LEU:HD12	1:117:A:VAL:HG22	5	0.23	0.13	0.16
(1,1010)	1:6:A:LEU:HD12	1:117:A:VAL:HG23	5	0.23	0.13	0.16
(1,1010)	1:6:A:LEU:HD13	1:117:A:VAL:HG21	5	0.23	0.13	0.16
(1,1010)	1:6:A:LEU:HD13	1:117:A:VAL:HG22	5	0.23	0.13	0.16
(1,1010)	1:6:A:LEU:HD13	1:117:A:VAL:HG23	5	0.23	0.13	0.16
(1,1010)	1:6:A:LEU:HD21	1:117:A:VAL:HG21	5	0.23	0.13	0.16
(1,1010)	1:6:A:LEU:HD21	1:117:A:VAL:HG22	5	0.23	0.13	0.16
(1,1010)	1:6:A:LEU:HD21	1:117:A:VAL:HG23	5	0.23	0.13	0.16
(1,1010)	1:6:A:LEU:HD22	1:117:A:VAL:HG21	5	0.23	0.13	0.16
(1,1010)	1:6:A:LEU:HD22	1:117:A:VAL:HG22	5	0.23	0.13	0.16
(1,1010)	1:6:A:LEU:HD22	1:117:A:VAL:HG23	5	0.23	0.13	0.16
(1,1010)	1:6:A:LEU:HD23	1:117:A:VAL:HG21	5	0.23	0.13	0.16
(1,1010)	1:6:A:LEU:HD23	1:117:A:VAL:HG22	5	0.23	0.13	0.16
(1,1010)	1:6:A:LEU:HD23	1:117:A:VAL:HG23	5	0.23	0.13	0.16
(1,209)	1:30:A:ILE:HA	1:32:A:PHE:HB2	5	0.17	0.03	0.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2486)	1:20:A:TYR:H	1:20:A:TYR:HB3	5	0.16	0.04	0.16
(1,1300)	1:22:A:VAL:HG21	1:23:A:VAL:HA	5	0.12	0.0	0.12
(1,1300)	1:22:A:VAL:HG22	1:23:A:VAL:HA	5	0.12	0.0	0.12
(1,1300)	1:22:A:VAL:HG23	1:23:A:VAL:HA	5	0.12	0.0	0.12
(1,1609)	1:36:A:VAL:H	1:43:A:ILE:HG21	5	0.11	0.01	0.11
(1,1609)	1:36:A:VAL:H	1:43:A:ILE:HG22	5	0.11	0.01	0.11
(1,1609)	1:36:A:VAL:H	1:43:A:ILE:HG23	5	0.11	0.01	0.11
(1,1465)	1:122:A:ALA:H	1:122:A:ALA:HB1	5	0.11	0.01	0.11
(1,1465)	1:122:A:ALA:H	1:122:A:ALA:HB2	5	0.11	0.01	0.11
(1,1465)	1:122:A:ALA:H	1:122:A:ALA:HB3	5	0.11	0.01	0.11
(1,910)	1:16:A:LEU:HD11	1:17:A:ASN:H	5	0.1	0.0	0.1
(1,910)	1:16:A:LEU:HD12	1:17:A:ASN:H	5	0.1	0.0	0.1
(1,910)	1:16:A:LEU:HD13	1:17:A:ASN:H	5	0.1	0.0	0.1
(1,2786)	1:42:A:GLU:HG2	1:44:A:TYR:HD1	4	0.9	0.06	0.9
(1,2786)	1:42:A:GLU:HG2	1:44:A:TYR:HD2	4	0.9	0.06	0.9
(1,550)	1:42:A:GLU:HG3	1:78:A:PHE:HE1	4	0.89	0.3	1.0
(1,550)	1:42:A:GLU:HG3	1:78:A:PHE:HE2	4	0.89	0.3	1.0
(1,645)	1:52:A:GLN:HE22	1:70:A:PRO:HB2	4	0.88	0.36	0.92
(1,471)	1:52:A:GLN:HG2	1:70:A:PRO:HB3	4	0.85	0.22	0.74
(1,471)	1:52:A:GLN:HG3	1:70:A:PRO:HB3	4	0.85	0.22	0.74
(1,343)	1:41:A:GLU:HG2	1:79:A:PHE:HE1	4	0.8	0.05	0.82
(1,343)	1:41:A:GLU:HG2	1:79:A:PHE:HE2	4	0.8	0.05	0.82
(1,715)	1:87:A:ASP:HB2	1:88:A:LYS:HD2	4	0.8	0.19	0.76
(1,540)	1:42:A:GLU:HG3	1:78:A:PHE:HD1	4	0.8	0.22	0.72
(1,540)	1:42:A:GLU:HG3	1:78:A:PHE:HD2	4	0.8	0.22	0.72
(1,2909)	1:39:A:TRP:HZ2	1:84:A:MET:HG3	4	0.79	0.44	0.78
(1,1244)	1:107:A:ASP:HB2	1:108:A:LEU:HD21	4	0.69	0.43	0.6
(1,1244)	1:107:A:ASP:HB2	1:108:A:LEU:HD22	4	0.69	0.43	0.6
(1,1244)	1:107:A:ASP:HB2	1:108:A:LEU:HD23	4	0.69	0.43	0.6
(1,1170)	1:15:A:ASP:HB3	1:102:A:VAL:HG11	4	0.49	0.14	0.52
(1,1170)	1:15:A:ASP:HB3	1:102:A:VAL:HG12	4	0.49	0.14	0.52
(1,1170)	1:15:A:ASP:HB3	1:102:A:VAL:HG13	4	0.49	0.14	0.52
(1,1023)	1:21:A:GLU:HB2	1:53:A:LYS:HG3	4	0.49	0.16	0.5
(1,1023)	1:21:A:GLU:HB3	1:53:A:LYS:HG3	4	0.49	0.16	0.5
(1,793)	1:77:A:LEU:HB2	1:108:A:LEU:HD11	4	0.45	0.13	0.44
(1,793)	1:77:A:LEU:HB2	1:108:A:LEU:HD12	4	0.45	0.13	0.44
(1,793)	1:77:A:LEU:HB2	1:108:A:LEU:HD13	4	0.45	0.13	0.44
(1,793)	1:77:A:LEU:HB3	1:108:A:LEU:HD11	4	0.45	0.13	0.44
(1,793)	1:77:A:LEU:HB3	1:108:A:LEU:HD12	4	0.45	0.13	0.44
(1,793)	1:77:A:LEU:HB3	1:108:A:LEU:HD13	4	0.45	0.13	0.44
(1,937)	1:77:A:LEU:HD21	1:78:A:PHE:H	4	0.44	0.11	0.44
(1,937)	1:77:A:LEU:HD22	1:78:A:PHE:H	4	0.44	0.11	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,937)	1:77:A:LEU:HD23	1:78:A:PHE:H	4	0.44	0.11	0.44
(1,1317)	1:81:A:LYS:HG2	1:89:A:ILE:HA	4	0.44	0.14	0.51
(1,2575)	1:56:A:ASN:H	1:96:A:ASN:HD21	4	0.4	0.11	0.43
(1,2613)	1:109:A:LYS:H	1:109:A:LYS:HE3	4	0.38	0.15	0.38
(1,2155)	1:54:A:MET:H	1:96:A:ASN:HD21	4	0.38	0.18	0.38
(1,912)	1:16:A:LEU:HD11	1:23:A:VAL:HG11	4	0.36	0.09	0.36
(1,912)	1:16:A:LEU:HD11	1:23:A:VAL:HG12	4	0.36	0.09	0.36
(1,912)	1:16:A:LEU:HD11	1:23:A:VAL:HG13	4	0.36	0.09	0.36
(1,912)	1:16:A:LEU:HD12	1:23:A:VAL:HG11	4	0.36	0.09	0.36
(1,912)	1:16:A:LEU:HD12	1:23:A:VAL:HG12	4	0.36	0.09	0.36
(1,912)	1:16:A:LEU:HD12	1:23:A:VAL:HG13	4	0.36	0.09	0.36
(1,912)	1:16:A:LEU:HD13	1:23:A:VAL:HG11	4	0.36	0.09	0.36
(1,912)	1:16:A:LEU:HD13	1:23:A:VAL:HG12	4	0.36	0.09	0.36
(1,912)	1:16:A:LEU:HD13	1:23:A:VAL:HG13	4	0.36	0.09	0.36
(1,1511)	1:102:A:VAL:H	1:102:A:VAL:HG21	4	0.35	0.07	0.36
(1,1511)	1:102:A:VAL:H	1:102:A:VAL:HG22	4	0.35	0.07	0.36
(1,1511)	1:102:A:VAL:H	1:102:A:VAL:HG23	4	0.35	0.07	0.36
(1,1223)	1:21:A:GLU:HA	1:51:A:VAL:HG21	4	0.3	0.09	0.31
(1,1223)	1:21:A:GLU:HA	1:51:A:VAL:HG22	4	0.3	0.09	0.31
(1,1223)	1:21:A:GLU:HA	1:51:A:VAL:HG23	4	0.3	0.09	0.31
(1,931)	1:105:A:LEU:HD11	1:106:A:GLU:H	4	0.3	0.14	0.3
(1,931)	1:105:A:LEU:HD12	1:106:A:GLU:H	4	0.3	0.14	0.3
(1,931)	1:105:A:LEU:HD13	1:106:A:GLU:H	4	0.3	0.14	0.3
(1,1270)	1:22:A:VAL:H	1:51:A:VAL:HG11	4	0.28	0.06	0.26
(1,1270)	1:22:A:VAL:H	1:51:A:VAL:HG12	4	0.28	0.06	0.26
(1,1270)	1:22:A:VAL:H	1:51:A:VAL:HG13	4	0.28	0.06	0.26
(1,1895)	1:27:A:LYS:HG3	1:30:A:ILE:HD11	4	0.28	0.12	0.24
(1,1895)	1:27:A:LYS:HG3	1:30:A:ILE:HD12	4	0.28	0.12	0.24
(1,1895)	1:27:A:LYS:HG3	1:30:A:ILE:HD13	4	0.28	0.12	0.24
(1,2181)	1:55:A:GLU:H	1:96:A:ASN:HD21	4	0.28	0.05	0.29
(1,603)	1:7:A:PHE:HE1	1:12:A:CYS:HB3	4	0.26	0.06	0.26
(1,2402)	1:58:A:ARG:HB2	1:59:A:GLU:H	4	0.26	0.08	0.28
(1,379)	1:25:A:LEU:HA	1:28:A:GLU:HG2	4	0.25	0.07	0.29
(1,1286)	1:13:A:VAL:HG11	1:103:A:GLU:H	4	0.25	0.06	0.25
(1,1286)	1:13:A:VAL:HG12	1:103:A:GLU:H	4	0.25	0.06	0.25
(1,1286)	1:13:A:VAL:HG13	1:103:A:GLU:H	4	0.25	0.06	0.25
(1,1302)	1:22:A:VAL:HG21	1:68:A:TYR:HB2	4	0.22	0.18	0.13
(1,1302)	1:22:A:VAL:HG21	1:68:A:TYR:HB3	4	0.22	0.18	0.13
(1,1302)	1:22:A:VAL:HG22	1:68:A:TYR:HB2	4	0.22	0.18	0.13
(1,1302)	1:22:A:VAL:HG22	1:68:A:TYR:HB3	4	0.22	0.18	0.13
(1,1302)	1:22:A:VAL:HG23	1:68:A:TYR:HB2	4	0.22	0.18	0.13
(1,1302)	1:22:A:VAL:HG23	1:68:A:TYR:HB3	4	0.22	0.18	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,759)	1:5:A:LEU:HD21	1:12:A:CYS:H	4	0.2	0.02	0.2
(1,759)	1:5:A:LEU:HD22	1:12:A:CYS:H	4	0.2	0.02	0.2
(1,759)	1:5:A:LEU:HD23	1:12:A:CYS:H	4	0.2	0.02	0.2
(1,235)	1:78:A:PHE:HB2	1:80:A:GLY:H	4	0.18	0.03	0.18
(1,354)	1:13:A:VAL:HG11	1:103:A:GLU:HG3	4	0.15	0.03	0.14
(1,354)	1:13:A:VAL:HG12	1:103:A:GLU:HG3	4	0.15	0.03	0.14
(1,354)	1:13:A:VAL:HG13	1:103:A:GLU:HG3	4	0.15	0.03	0.14
(1,738)	1:112:A:LYS:HB2	1:112:A:LYS:HD2	4	0.11	0.0	0.11
(1,738)	1:112:A:LYS:HB2	1:112:A:LYS:HD3	4	0.11	0.0	0.11
(1,2109)	1:41:A:GLU:H	1:82:A:THR:HG21	4	0.11	0.01	0.11
(1,2109)	1:41:A:GLU:H	1:82:A:THR:HG22	4	0.11	0.01	0.11
(1,2109)	1:41:A:GLU:H	1:82:A:THR:HG23	4	0.11	0.01	0.11
(1,734)	1:112:A:LYS:H	1:112:A:LYS:HD2	4	0.11	0.0	0.11
(1,734)	1:112:A:LYS:H	1:112:A:LYS:HD3	4	0.11	0.0	0.11
(1,575)	1:44:A:TYR:HB2	1:76:A:CYS:HB2	4	0.11	0.01	0.11
(1,575)	1:44:A:TYR:HB3	1:76:A:CYS:HB2	4	0.11	0.01	0.11
(1,49)	1:80:A:GLY:HA3	1:89:A:ILE:HD11	4	0.11	0.0	0.11
(1,49)	1:80:A:GLY:HA3	1:89:A:ILE:HD12	4	0.11	0.0	0.11
(1,49)	1:80:A:GLY:HA3	1:89:A:ILE:HD13	4	0.11	0.0	0.11
(1,1337)	1:82:A:THR:HG21	1:89:A:ILE:HG21	4	0.11	0.0	0.11
(1,1337)	1:82:A:THR:HG21	1:89:A:ILE:HG22	4	0.11	0.0	0.11
(1,1337)	1:82:A:THR:HG21	1:89:A:ILE:HG23	4	0.11	0.0	0.11
(1,1337)	1:82:A:THR:HG22	1:89:A:ILE:HG21	4	0.11	0.0	0.11
(1,1337)	1:82:A:THR:HG22	1:89:A:ILE:HG22	4	0.11	0.0	0.11
(1,1337)	1:82:A:THR:HG22	1:89:A:ILE:HG23	4	0.11	0.0	0.11
(1,1337)	1:82:A:THR:HG23	1:89:A:ILE:HG21	4	0.11	0.0	0.11
(1,1337)	1:82:A:THR:HG23	1:89:A:ILE:HG22	4	0.11	0.0	0.11
(1,1337)	1:82:A:THR:HG23	1:89:A:ILE:HG23	4	0.11	0.0	0.11
(1,2687)	1:104:A:GLY:H	1:107:A:ASP:HB2	3	1.52	0.09	1.52
(1,132)	1:106:A:GLU:HA	1:109:A:LYS:HE3	3	1.4	0.32	1.4
(1,1388)	1:51:A:VAL:HA	1:52:A:GLN:HB2	3	1.22	0.03	1.21
(1,627)	1:22:A:VAL:HB	1:51:A:VAL:HG11	3	1.13	0.53	1.43
(1,627)	1:22:A:VAL:HB	1:51:A:VAL:HG12	3	1.13	0.53	1.43
(1,627)	1:22:A:VAL:HB	1:51:A:VAL:HG13	3	1.13	0.53	1.43
(1,195)	1:7:A:PHE:HE1	1:107:A:ASP:HB3	3	0.97	0.34	0.91
(1,195)	1:7:A:PHE:HE2	1:107:A:ASP:HB3	3	0.97	0.34	0.91
(1,195)	1:7:A:PHE:HD1	1:107:A:ASP:HB3	3	0.97	0.34	0.91
(1,189)	1:106:A:GLU:H	1:107:A:ASP:HB2	3	0.93	0.22	0.85
(1,1058)	1:81:A:LYS:HG2	1:85:A:SER:HB2	3	0.88	0.29	0.87
(1,788)	1:105:A:LEU:HA	1:108:A:LEU:HD11	3	0.87	0.23	0.76
(1,788)	1:105:A:LEU:HA	1:108:A:LEU:HD12	3	0.87	0.23	0.76
(1,788)	1:105:A:LEU:HA	1:108:A:LEU:HD13	3	0.87	0.23	0.76

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1051)	1:58:A:ARG:HG2	1:97:A:VAL:HG21	3	0.75	0.37	0.62
(1,1051)	1:58:A:ARG:HG2	1:97:A:VAL:HG22	3	0.75	0.37	0.62
(1,1051)	1:58:A:ARG:HG2	1:97:A:VAL:HG23	3	0.75	0.37	0.62
(1,188)	1:104:A:GLY:HA2	1:107:A:ASP:HB2	3	0.7	0.11	0.74
(1,2819)	1:77:A:LEU:HB3	1:79:A:PHE:HE1	3	0.69	0.2	0.8
(1,2819)	1:77:A:LEU:HB3	1:79:A:PHE:HE2	3	0.69	0.2	0.8
(1,860)	1:12:A:CYS:HB3	1:108:A:LEU:HG	3	0.64	0.01	0.64
(1,191)	1:10:A:GLY:HA2	1:107:A:ASP:HB3	3	0.61	0.31	0.54
(1,191)	1:10:A:GLY:HA3	1:107:A:ASP:HB3	3	0.61	0.31	0.54
(1,26)	1:104:A:GLY:HA3	1:107:A:ASP:HB2	3	0.59	0.1	0.56
(1,2398)	1:107:A:ASP:H	1:107:A:ASP:HB2	3	0.46	0.09	0.48
(1,2669)	1:56:A:ASN:HD21	1:58:A:ARG:HE	3	0.46	0.16	0.36
(1,1572)	1:7:A:PHE:HD1	1:111:A:ILE:HG23	3	0.45	0.12	0.48
(1,1572)	1:7:A:PHE:HE2	1:111:A:ILE:HG22	3	0.45	0.12	0.48
(1,418)	1:13:A:VAL:HB	1:103:A:GLU:HB3	3	0.44	0.08	0.39
(1,221)	1:54:A:MET:HB3	1:96:A:ASN:HB2	3	0.43	0.15	0.36
(1,984)	1:67:A:GLY:H	1:75:A:LEU:HD21	3	0.41	0.22	0.42
(1,984)	1:67:A:GLY:H	1:75:A:LEU:HD22	3	0.41	0.22	0.42
(1,984)	1:67:A:GLY:H	1:75:A:LEU:HD23	3	0.41	0.22	0.42
(1,230)	1:50:A:ASN:HB3	1:73:A:LYS:HG2	3	0.4	0.17	0.44
(1,230)	1:50:A:ASN:HB3	1:73:A:LYS:HG3	3	0.4	0.17	0.44
(1,2847)	1:78:A:PHE:HE1	1:95:A:VAL:HG21	3	0.36	0.17	0.43
(1,2847)	1:78:A:PHE:HE1	1:95:A:VAL:HG22	3	0.36	0.17	0.43
(1,2847)	1:78:A:PHE:HE1	1:95:A:VAL:HG23	3	0.36	0.17	0.43
(1,2847)	1:78:A:PHE:HE2	1:95:A:VAL:HG21	3	0.36	0.17	0.43
(1,2847)	1:78:A:PHE:HE2	1:95:A:VAL:HG22	3	0.36	0.17	0.43
(1,2847)	1:78:A:PHE:HE2	1:95:A:VAL:HG23	3	0.36	0.17	0.43
(1,552)	1:54:A:MET:HG2	1:57:A:PRO:HG3	3	0.35	0.1	0.33
(1,1236)	1:12:A:CYS:HB2	1:108:A:LEU:HD21	3	0.35	0.28	0.22
(1,1236)	1:12:A:CYS:HB2	1:108:A:LEU:HD22	3	0.35	0.28	0.22
(1,1236)	1:12:A:CYS:HB2	1:108:A:LEU:HD23	3	0.35	0.28	0.22
(1,988)	1:45:A:PHE:HZ	1:75:A:LEU:HD21	3	0.35	0.16	0.35
(1,988)	1:45:A:PHE:HZ	1:75:A:LEU:HD22	3	0.35	0.16	0.35
(1,988)	1:45:A:PHE:HZ	1:75:A:LEU:HD23	3	0.35	0.16	0.35
(1,1611)	1:7:A:PHE:HE1	1:43:A:ILE:HG23	3	0.33	0.15	0.25
(1,1611)	1:7:A:PHE:HE1	1:43:A:ILE:HG21	3	0.33	0.15	0.25
(1,38)	1:10:A:GLY:HA2	1:11:A:LYS:HG3	3	0.32	0.07	0.27
(1,38)	1:10:A:GLY:HA3	1:11:A:LYS:HG3	3	0.32	0.07	0.27
(1,399)	1:21:A:GLU:HG2	1:51:A:VAL:HG11	3	0.31	0.01	0.31
(1,399)	1:21:A:GLU:HG2	1:51:A:VAL:HG12	3	0.31	0.01	0.31
(1,399)	1:21:A:GLU:HG2	1:51:A:VAL:HG13	3	0.31	0.01	0.31
(1,1925)	1:78:A:PHE:HB3	1:89:A:ILE:HD11	3	0.28	0.17	0.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1925)	1:78:A:PHE:HB3	1:89:A:ILE:HD12	3	0.28	0.17	0.17
(1,1925)	1:78:A:PHE:HB3	1:89:A:ILE:HD13	3	0.28	0.17	0.17
(1,186)	1:107:A:ASP:HB3	1:111:A:ILE:HD11	3	0.27	0.06	0.27
(1,186)	1:107:A:ASP:HB3	1:111:A:ILE:HD12	3	0.27	0.06	0.27
(1,186)	1:107:A:ASP:HB3	1:111:A:ILE:HD13	3	0.27	0.06	0.27
(1,134)	1:109:A:LYS:HG2	1:109:A:LYS:HE3	3	0.26	0.08	0.29
(1,2468)	1:62:A:GLU:H	1:65:A:ASP:HB3	3	0.25	0.12	0.22
(1,1295)	1:22:A:VAL:HG21	1:24:A:LYS:H	3	0.25	0.09	0.3
(1,1295)	1:22:A:VAL:HG22	1:24:A:LYS:H	3	0.25	0.09	0.3
(1,1295)	1:22:A:VAL:HG23	1:24:A:LYS:H	3	0.25	0.09	0.3
(1,904)	1:22:A:VAL:HG11	1:23:A:VAL:HG11	3	0.23	0.08	0.22
(1,904)	1:22:A:VAL:HG11	1:23:A:VAL:HG12	3	0.23	0.08	0.22
(1,904)	1:22:A:VAL:HG11	1:23:A:VAL:HG13	3	0.23	0.08	0.22
(1,904)	1:22:A:VAL:HG12	1:23:A:VAL:HG11	3	0.23	0.08	0.22
(1,904)	1:22:A:VAL:HG12	1:23:A:VAL:HG12	3	0.23	0.08	0.22
(1,904)	1:22:A:VAL:HG12	1:23:A:VAL:HG13	3	0.23	0.08	0.22
(1,904)	1:22:A:VAL:HG13	1:23:A:VAL:HG11	3	0.23	0.08	0.22
(1,904)	1:22:A:VAL:HG13	1:23:A:VAL:HG12	3	0.23	0.08	0.22
(1,904)	1:22:A:VAL:HG13	1:23:A:VAL:HG13	3	0.23	0.08	0.22
(1,786)	1:79:A:PHE:HE1	1:108:A:LEU:HD11	3	0.23	0.06	0.25
(1,786)	1:79:A:PHE:HE1	1:108:A:LEU:HD12	3	0.23	0.06	0.25
(1,786)	1:79:A:PHE:HE1	1:108:A:LEU:HD13	3	0.23	0.06	0.25
(1,786)	1:79:A:PHE:HE2	1:108:A:LEU:HD11	3	0.23	0.06	0.25
(1,786)	1:79:A:PHE:HE2	1:108:A:LEU:HD12	3	0.23	0.06	0.25
(1,786)	1:79:A:PHE:HE2	1:108:A:LEU:HD13	3	0.23	0.06	0.25
(1,2885)	1:39:A:TRP:HH2	1:84:A:MET:HB3	3	0.22	0.0	0.22
(1,306)	1:15:A:ASP:HB3	1:100:A:LYS:HB3	3	0.21	0.15	0.11
(1,452)	1:103:A:GLU:HB3	1:103:A:GLU:HG3	3	0.21	0.06	0.22
(1,2425)	1:11:A:LYS:H	1:107:A:ASP:HB3	3	0.21	0.08	0.18
(1,662)	1:52:A:GLN:HB3	1:53:A:LYS:H	3	0.2	0.05	0.2
(1,688)	1:43:A:ILE:HG12	1:79:A:PHE:HE1	3	0.2	0.06	0.23
(1,688)	1:43:A:ILE:HG12	1:79:A:PHE:HE2	3	0.2	0.06	0.23
(1,1753)	1:52:A:GLN:HA	1:70:A:PRO:HB2	3	0.18	0.05	0.14
(1,404)	1:21:A:GLU:HG3	1:51:A:VAL:HG11	3	0.16	0.01	0.17
(1,404)	1:21:A:GLU:HG3	1:51:A:VAL:HG12	3	0.16	0.01	0.17
(1,404)	1:21:A:GLU:HG3	1:51:A:VAL:HG13	3	0.16	0.01	0.17
(1,130)	1:109:A:LYS:HG3	1:109:A:LYS:HE3	3	0.15	0.03	0.17
(1,619)	1:59:A:GLU:HB2	1:94:A:ALA:HB1	3	0.15	0.03	0.16
(1,619)	1:59:A:GLU:HB2	1:94:A:ALA:HB2	3	0.15	0.03	0.16
(1,619)	1:59:A:GLU:HB2	1:94:A:ALA:HB3	3	0.15	0.03	0.16
(1,649)	1:24:A:LYS:H	1:24:A:LYS:HD3	3	0.15	0.0	0.15
(1,2254)	1:51:A:VAL:H	1:51:A:VAL:HG21	3	0.14	0.04	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2254)	1:51:A:VAL:H	1:51:A:VAL:HG22	3	0.14	0.04	0.12
(1,2254)	1:51:A:VAL:H	1:51:A:VAL:HG23	3	0.14	0.04	0.12
(1,1986)	1:13:A:VAL:HG11	1:122:A:ALA:HA	3	0.13	0.0	0.13
(1,1986)	1:13:A:VAL:HG12	1:122:A:ALA:HA	3	0.13	0.0	0.13
(1,1986)	1:13:A:VAL:HG13	1:122:A:ALA:HA	3	0.13	0.0	0.13
(1,2220)	1:6:A:LEU:H	1:6:A:LEU:HB3	3	0.12	0.01	0.13
(1,9)	1:39:A:TRP:H	1:40:A:GLY:HA3	3	0.12	0.01	0.13
(1,1736)	1:36:A:VAL:HG11	1:113:A:ASP:HA	3	0.12	0.01	0.13
(1,1736)	1:36:A:VAL:HG12	1:113:A:ASP:HA	3	0.12	0.01	0.13
(1,1736)	1:36:A:VAL:HG13	1:113:A:ASP:HA	3	0.12	0.01	0.13
(1,467)	1:52:A:GLN:HA	1:52:A:GLN:HG2	3	0.11	0.0	0.11
(1,467)	1:52:A:GLN:HA	1:52:A:GLN:HG3	3	0.11	0.0	0.11
(1,1466)	1:2:A:ARG:HE	1:122:A:ALA:HB1	3	0.11	0.01	0.12
(1,1466)	1:2:A:ARG:HE	1:122:A:ALA:HB2	3	0.11	0.01	0.12
(1,1466)	1:2:A:ARG:HE	1:122:A:ALA:HB3	3	0.11	0.01	0.12
(1,1477)	1:38:A:THR:HG21	1:111:A:ILE:HA	3	0.11	0.01	0.12
(1,1477)	1:38:A:THR:HG22	1:111:A:ILE:HA	3	0.11	0.01	0.12
(1,1477)	1:38:A:THR:HG23	1:111:A:ILE:HA	3	0.11	0.01	0.12
(1,2567)	1:12:A:CYS:H	1:14:A:ILE:HG21	3	0.11	0.01	0.1
(1,2567)	1:12:A:CYS:H	1:14:A:ILE:HG22	3	0.11	0.01	0.1
(1,2567)	1:12:A:CYS:H	1:14:A:ILE:HG23	3	0.11	0.01	0.1
(1,15)	1:66:A:VAL:HB	1:99:A:GLY:HA2	3	0.11	0.01	0.1
(1,60)	1:120:A:ARG:HA	1:120:A:ARG:HD2	3	0.11	0.01	0.1
(1,60)	1:120:A:ARG:HA	1:120:A:ARG:HD3	3	0.11	0.01	0.1
(1,1961)	1:6:A:LEU:HA	1:10:A:GLY:HA2	3	0.1	0.0	0.1
(1,1961)	1:6:A:LEU:HA	1:10:A:GLY:HA3	3	0.1	0.0	0.1
(1,641)	1:27:A:LYS:HA	1:30:A:ILE:HG12	3	0.1	0.0	0.1
(1,2253)	1:51:A:VAL:H	1:51:A:VAL:HB	3	0.1	0.0	0.1
(1,1257)	1:5:A:LEU:HB2	1:117:A:VAL:HG21	2	1.66	0.12	1.66
(1,1257)	1:5:A:LEU:HB2	1:117:A:VAL:HG22	2	1.66	0.12	1.66
(1,1257)	1:5:A:LEU:HB2	1:117:A:VAL:HG23	2	1.66	0.12	1.66
(1,2876)	1:69:A:TRP:HD1	1:95:A:VAL:HG11	2	1.39	0.29	1.39
(1,2876)	1:69:A:TRP:HD1	1:95:A:VAL:HG12	2	1.39	0.29	1.39
(1,2876)	1:69:A:TRP:HD1	1:95:A:VAL:HG13	2	1.39	0.29	1.39
(1,2144)	1:7:A:PHE:H	1:117:A:VAL:HG21	2	1.36	0.09	1.36
(1,2144)	1:7:A:PHE:H	1:117:A:VAL:HG22	2	1.36	0.09	1.36
(1,2144)	1:7:A:PHE:H	1:117:A:VAL:HG23	2	1.36	0.09	1.36
(1,1106)	1:69:A:TRP:HZ2	1:93:A:SER:HB2	2	1.27	0.17	1.27
(1,2157)	1:5:A:LEU:H	1:117:A:VAL:HG21	2	1.23	0.1	1.23
(1,2157)	1:5:A:LEU:H	1:117:A:VAL:HG22	2	1.23	0.1	1.23
(1,2157)	1:5:A:LEU:H	1:117:A:VAL:HG23	2	1.23	0.1	1.23
(1,2075)	1:95:A:VAL:HG21	1:97:A:VAL:H	2	1.2	0.1	1.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2075)	1:95:A:VAL:HG22	1:97:A:VAL:H	2	1.2	0.1	1.2
(1,2075)	1:95:A:VAL:HG23	1:97:A:VAL:H	2	1.2	0.1	1.2
(1,1253)	1:7:A:PHE:HE1	1:117:A:VAL:HG21	2	1.08	0.05	1.08
(1,1253)	1:7:A:PHE:HE1	1:117:A:VAL:HG22	2	1.08	0.05	1.08
(1,834)	1:26:A:LEU:HG	1:49:A:VAL:HG11	2	1.06	0.34	1.06
(1,834)	1:26:A:LEU:HG	1:49:A:VAL:HG12	2	1.06	0.34	1.06
(1,834)	1:26:A:LEU:HG	1:49:A:VAL:HG13	2	1.06	0.34	1.06
(1,2292)	1:35:A:VAL:H	1:117:A:VAL:HG11	2	1.06	0.08	1.06
(1,2292)	1:35:A:VAL:H	1:117:A:VAL:HG12	2	1.06	0.08	1.06
(1,2292)	1:35:A:VAL:H	1:117:A:VAL:HG13	2	1.06	0.08	1.06
(1,2793)	1:7:A:PHE:HE1	1:117:A:VAL:HG21	2	1.05	0.02	1.05
(1,2793)	1:7:A:PHE:HE1	1:117:A:VAL:HG22	2	1.05	0.02	1.05
(1,2793)	1:7:A:PHE:HE1	1:117:A:VAL:HG23	2	1.05	0.02	1.05
(1,2793)	1:7:A:PHE:HE2	1:117:A:VAL:HG21	2	1.05	0.02	1.05
(1,2793)	1:7:A:PHE:HE2	1:117:A:VAL:HG22	2	1.05	0.02	1.05
(1,2793)	1:7:A:PHE:HE2	1:117:A:VAL:HG23	2	1.05	0.02	1.05
(1,1496)	1:95:A:VAL:HG21	1:97:A:VAL:HA	2	1.0	0.0	1.0
(1,1496)	1:95:A:VAL:HG22	1:97:A:VAL:HA	2	1.0	0.0	1.0
(1,1496)	1:95:A:VAL:HG23	1:97:A:VAL:HA	2	1.0	0.0	1.0
(1,285)	1:8:A:GLU:HG3	1:115:A:GLU:HG3	2	0.98	0.09	0.98
(1,1787)	1:7:A:PHE:HA	1:117:A:VAL:HG21	2	0.93	0.08	0.93
(1,1787)	1:7:A:PHE:HA	1:117:A:VAL:HG22	2	0.93	0.08	0.93
(1,1787)	1:7:A:PHE:HA	1:117:A:VAL:HG23	2	0.93	0.08	0.93
(1,803)	1:5:A:LEU:HG	1:117:A:VAL:HG21	2	0.92	0.05	0.92
(1,803)	1:5:A:LEU:HG	1:117:A:VAL:HG22	2	0.92	0.05	0.92
(1,803)	1:5:A:LEU:HG	1:117:A:VAL:HG23	2	0.92	0.05	0.92
(1,1647)	1:34:A:SER:H	1:117:A:VAL:HG11	2	0.87	0.05	0.87
(1,1647)	1:34:A:SER:H	1:117:A:VAL:HG12	2	0.87	0.05	0.87
(1,1647)	1:34:A:SER:H	1:117:A:VAL:HG13	2	0.87	0.05	0.87
(1,1259)	1:5:A:LEU:HB3	1:117:A:VAL:HG21	2	0.86	0.14	0.86
(1,1259)	1:5:A:LEU:HB3	1:117:A:VAL:HG22	2	0.86	0.14	0.86
(1,1259)	1:5:A:LEU:HB3	1:117:A:VAL:HG23	2	0.86	0.14	0.86
(1,2187)	1:66:A:VAL:HG21	1:101:A:ILE:H	2	0.74	0.64	0.74
(1,2187)	1:66:A:VAL:HG22	1:101:A:ILE:H	2	0.74	0.64	0.74
(1,2187)	1:66:A:VAL:HG23	1:101:A:ILE:H	2	0.74	0.64	0.74
(1,246)	1:7:A:PHE:HB2	1:115:A:GLU:HB3	2	0.72	0.42	0.72
(1,1191)	1:93:A:SER:H	1:95:A:VAL:HG11	2	0.72	0.34	0.72
(1,1191)	1:93:A:SER:H	1:95:A:VAL:HG12	2	0.72	0.34	0.72
(1,1191)	1:93:A:SER:H	1:95:A:VAL:HG13	2	0.72	0.34	0.72
(1,1255)	1:5:A:LEU:HA	1:117:A:VAL:HG21	2	0.62	0.09	0.62
(1,1255)	1:5:A:LEU:HA	1:117:A:VAL:HG22	2	0.62	0.09	0.62
(1,1255)	1:5:A:LEU:HA	1:117:A:VAL:HG23	2	0.62	0.09	0.62

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,845)	1:5:A:LEU:HD11	1:117:A:VAL:HG21	2	0.61	0.09	0.61
(1,845)	1:5:A:LEU:HD11	1:117:A:VAL:HG22	2	0.61	0.09	0.61
(1,845)	1:5:A:LEU:HD11	1:117:A:VAL:HG23	2	0.61	0.09	0.61
(1,845)	1:5:A:LEU:HD12	1:117:A:VAL:HG21	2	0.61	0.09	0.61
(1,845)	1:5:A:LEU:HD12	1:117:A:VAL:HG22	2	0.61	0.09	0.61
(1,845)	1:5:A:LEU:HD12	1:117:A:VAL:HG23	2	0.61	0.09	0.61
(1,845)	1:5:A:LEU:HD13	1:117:A:VAL:HG21	2	0.61	0.09	0.61
(1,845)	1:5:A:LEU:HD13	1:117:A:VAL:HG22	2	0.61	0.09	0.61
(1,845)	1:5:A:LEU:HD13	1:117:A:VAL:HG23	2	0.61	0.09	0.61
(1,1250)	1:6:A:LEU:H	1:117:A:VAL:HG21	2	0.61	0.08	0.61
(1,1250)	1:6:A:LEU:H	1:117:A:VAL:HG22	2	0.61	0.08	0.61
(1,1250)	1:6:A:LEU:H	1:117:A:VAL:HG23	2	0.61	0.08	0.61
(1,797)	1:106:A:GLU:H	1:108:A:LEU:HD11	2	0.6	0.16	0.6
(1,797)	1:106:A:GLU:H	1:108:A:LEU:HD12	2	0.6	0.16	0.6
(1,797)	1:106:A:GLU:H	1:108:A:LEU:HD13	2	0.6	0.16	0.6
(1,457)	1:13:A:VAL:HG11	1:103:A:GLU:HB2	2	0.6	0.44	0.6
(1,457)	1:13:A:VAL:HG12	1:103:A:GLU:HB2	2	0.6	0.44	0.6
(1,457)	1:13:A:VAL:HG13	1:103:A:GLU:HB2	2	0.6	0.44	0.6
(1,2710)	1:59:A:GLU:HB2	1:90:A:GLN:HE21	2	0.6	0.1	0.6
(1,1188)	1:69:A:TRP:HE1	1:95:A:VAL:HG11	2	0.58	0.16	0.58
(1,1188)	1:69:A:TRP:HE1	1:95:A:VAL:HG12	2	0.58	0.16	0.58
(1,1188)	1:69:A:TRP:HE1	1:95:A:VAL:HG13	2	0.58	0.16	0.58
(1,146)	1:116:A:LYS:H	1:116:A:LYS:HE3	2	0.58	0.09	0.58
(1,1652)	1:116:A:LYS:HA	1:117:A:VAL:HG11	2	0.57	0.03	0.57
(1,1652)	1:116:A:LYS:HA	1:117:A:VAL:HG12	2	0.57	0.03	0.57
(1,1652)	1:116:A:LYS:HA	1:117:A:VAL:HG13	2	0.57	0.03	0.57
(1,1435)	1:118:A:ALA:HB1	1:120:A:ARG:HG3	2	0.53	0.25	0.53
(1,1435)	1:118:A:ALA:HB2	1:120:A:ARG:HG3	2	0.53	0.25	0.53
(1,1435)	1:118:A:ALA:HB3	1:120:A:ARG:HG3	2	0.53	0.25	0.53
(1,2410)	1:115:A:GLU:H	1:115:A:GLU:HG2	2	0.5	0.05	0.5
(1,1653)	1:34:A:SER:HB2	1:117:A:VAL:HG11	2	0.46	0.14	0.46
(1,1653)	1:34:A:SER:HB2	1:117:A:VAL:HG12	2	0.46	0.14	0.46
(1,1653)	1:34:A:SER:HB2	1:117:A:VAL:HG13	2	0.46	0.14	0.46
(1,1653)	1:34:A:SER:HB3	1:117:A:VAL:HG11	2	0.46	0.14	0.46
(1,1653)	1:34:A:SER:HB3	1:117:A:VAL:HG12	2	0.46	0.14	0.46
(1,1653)	1:34:A:SER:HB3	1:117:A:VAL:HG13	2	0.46	0.14	0.46
(1,243)	1:7:A:PHE:HB2	1:115:A:GLU:HB2	2	0.46	0.28	0.46
(1,168)	1:38:A:THR:H	1:113:A:ASP:HB2	2	0.46	0.2	0.46
(1,2845)	1:76:A:CYS:HB3	1:78:A:PHE:HE1	2	0.44	0.18	0.44
(1,2845)	1:76:A:CYS:HB3	1:78:A:PHE:HE2	2	0.44	0.18	0.44
(1,537)	1:42:A:GLU:HG2	1:44:A:TYR:HB2	2	0.44	0.11	0.44
(1,537)	1:42:A:GLU:HG2	1:44:A:TYR:HB3	2	0.44	0.11	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1208)	1:15:A:ASP:HB2	1:102:A:VAL:HG11	2	0.44	0.09	0.44
(1,1208)	1:15:A:ASP:HB2	1:102:A:VAL:HG12	2	0.44	0.09	0.44
(1,1208)	1:15:A:ASP:HB2	1:102:A:VAL:HG13	2	0.44	0.09	0.44
(1,2337)	1:103:A:GLU:H	1:103:A:GLU:HG2	2	0.43	0.01	0.43
(1,551)	1:53:A:LYS:HA	1:54:A:MET:HG2	2	0.43	0.04	0.43
(1,726)	1:2:A:ARG:H	1:2:A:ARG:HG2	2	0.42	0.04	0.42
(1,1574)	1:7:A:PHE:HB2	1:111:A:ILE:HG21	2	0.38	0.2	0.38
(1,1574)	1:7:A:PHE:HB2	1:111:A:ILE:HG22	2	0.38	0.2	0.38
(1,1574)	1:7:A:PHE:HB2	1:111:A:ILE:HG23	2	0.38	0.2	0.38
(1,1378)	1:56:A:ASN:HD22	1:97:A:VAL:HG11	2	0.38	0.09	0.38
(1,1378)	1:56:A:ASN:HD22	1:97:A:VAL:HG12	2	0.38	0.09	0.38
(1,1378)	1:56:A:ASN:HD22	1:97:A:VAL:HG13	2	0.38	0.09	0.38
(1,1651)	1:33:A:GLU:HA	1:117:A:VAL:HG11	2	0.37	0.04	0.37
(1,1651)	1:33:A:GLU:HA	1:117:A:VAL:HG12	2	0.37	0.04	0.37
(1,1651)	1:33:A:GLU:HA	1:117:A:VAL:HG13	2	0.37	0.04	0.37
(1,1871)	1:54:A:MET:HA	1:54:A:MET:HG2	2	0.37	0.0	0.37
(1,2276)	1:116:A:LYS:H	1:116:A:LYS:HG3	2	0.37	0.24	0.37
(1,1981)	1:37:A:ASN:HA	1:113:A:ASP:HB2	2	0.34	0.06	0.34
(1,142)	1:11:A:LYS:HG3	1:11:A:LYS:HE2	2	0.34	0.02	0.34
(1,142)	1:11:A:LYS:HG3	1:11:A:LYS:HE3	2	0.34	0.02	0.34
(1,739)	1:2:A:ARG:HG3	1:15:A:ASP:HB2	2	0.32	0.14	0.32
(1,739)	1:2:A:ARG:HG3	1:15:A:ASP:HB3	2	0.32	0.14	0.32
(1,497)	1:29:A:LYS:HB2	1:49:A:VAL:HG11	2	0.32	0.16	0.32
(1,497)	1:29:A:LYS:HB2	1:49:A:VAL:HG12	2	0.32	0.16	0.32
(1,497)	1:29:A:LYS:HB2	1:49:A:VAL:HG13	2	0.32	0.16	0.32
(1,2226)	1:86:A:ASP:H	1:86:A:ASP:HB3	2	0.32	0.02	0.32
(1,344)	1:41:A:GLU:HG2	1:79:A:PHE:HD1	2	0.31	0.13	0.31
(1,344)	1:41:A:GLU:HG2	1:79:A:PHE:HD2	2	0.31	0.13	0.31
(1,2246)	1:58:A:ARG:H	1:95:A:VAL:HG21	2	0.29	0.0	0.29
(1,2246)	1:58:A:ARG:H	1:95:A:VAL:HG22	2	0.29	0.0	0.29
(1,2246)	1:58:A:ARG:H	1:95:A:VAL:HG23	2	0.29	0.0	0.29
(1,281)	1:112:A:LYS:HB2	1:115:A:GLU:HG2	2	0.28	0.03	0.28
(1,2345)	1:62:A:GLU:HB2	1:63:A:ILE:H	2	0.28	0.15	0.28
(1,909)	1:81:A:LYS:H	1:81:A:LYS:HG2	2	0.25	0.02	0.25
(1,157)	1:112:A:LYS:HA	1:113:A:ASP:HB3	2	0.24	0.05	0.24
(1,1376)	1:66:A:VAL:HG11	1:67:A:GLY:HA3	2	0.24	0.04	0.24
(1,1376)	1:66:A:VAL:HG12	1:67:A:GLY:HA3	2	0.24	0.04	0.24
(1,1376)	1:66:A:VAL:HG13	1:67:A:GLY:HA3	2	0.24	0.04	0.24
(1,1617)	1:43:A:ILE:HG21	1:108:A:LEU:HD21	2	0.22	0.08	0.22
(1,1617)	1:43:A:ILE:HG21	1:108:A:LEU:HD22	2	0.22	0.08	0.22
(1,1617)	1:43:A:ILE:HG21	1:108:A:LEU:HD23	2	0.22	0.08	0.22
(1,1617)	1:43:A:ILE:HG22	1:108:A:LEU:HD21	2	0.22	0.08	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1617)	1:43:A:ILE:HG22	1:108:A:LEU:HD22	2	0.22	0.08	0.22
(1,1617)	1:43:A:ILE:HG22	1:108:A:LEU:HD23	2	0.22	0.08	0.22
(1,1617)	1:43:A:ILE:HG23	1:108:A:LEU:HD21	2	0.22	0.08	0.22
(1,1617)	1:43:A:ILE:HG23	1:108:A:LEU:HD22	2	0.22	0.08	0.22
(1,1617)	1:43:A:ILE:HG23	1:108:A:LEU:HD23	2	0.22	0.08	0.22
(1,2552)	1:110:A:LYS:H	1:110:A:LYS:HB2	2	0.21	0.05	0.21
(1,236)	1:78:A:PHE:HB2	1:89:A:ILE:HG21	2	0.2	0.08	0.2
(1,236)	1:78:A:PHE:HB2	1:89:A:ILE:HG22	2	0.2	0.08	0.2
(1,236)	1:78:A:PHE:HB2	1:89:A:ILE:HG23	2	0.2	0.08	0.2
(1,1495)	1:95:A:VAL:HG21	1:96:A:ASN:HA	2	0.2	0.03	0.2
(1,1495)	1:95:A:VAL:HG22	1:96:A:ASN:HA	2	0.2	0.03	0.2
(1,1495)	1:95:A:VAL:HG23	1:96:A:ASN:HA	2	0.2	0.03	0.2
(1,155)	1:112:A:LYS:HB2	1:113:A:ASP:HB3	2	0.2	0.02	0.2
(1,1434)	1:6:A:LEU:HB3	1:118:A:ALA:HB1	2	0.18	0.06	0.18
(1,1434)	1:6:A:LEU:HB3	1:118:A:ALA:HB2	2	0.18	0.06	0.18
(1,1434)	1:6:A:LEU:HB3	1:118:A:ALA:HB3	2	0.18	0.06	0.18
(1,924)	1:21:A:GLU:HG3	1:25:A:LEU:HD11	2	0.17	0.04	0.17
(1,924)	1:21:A:GLU:HG3	1:25:A:LEU:HD12	2	0.17	0.04	0.17
(1,924)	1:21:A:GLU:HG3	1:25:A:LEU:HD13	2	0.17	0.04	0.17
(1,187)	1:107:A:ASP:HB2	1:108:A:LEU:H	2	0.16	0.04	0.16
(1,1589)	1:123:A:SER:HA	1:123:A:SER:HB3	2	0.15	0.0	0.15
(1,1916)	1:42:A:GLU:HA	1:42:A:GLU:HG2	2	0.15	0.0	0.15
(1,159)	1:37:A:ASN:HB2	1:38:A:THR:H	2	0.14	0.03	0.14
(1,972)	1:45:A:PHE:HE1	1:75:A:LEU:HD11	2	0.14	0.03	0.14
(1,972)	1:45:A:PHE:HE1	1:75:A:LEU:HD12	2	0.14	0.03	0.14
(1,972)	1:45:A:PHE:HE1	1:75:A:LEU:HD13	2	0.14	0.03	0.14
(1,972)	1:45:A:PHE:HE2	1:75:A:LEU:HD11	2	0.14	0.03	0.14
(1,972)	1:45:A:PHE:HE2	1:75:A:LEU:HD12	2	0.14	0.03	0.14
(1,972)	1:45:A:PHE:HE2	1:75:A:LEU:HD13	2	0.14	0.03	0.14
(1,422)	1:60:A:VAL:HB	1:61:A:VAL:HG21	2	0.14	0.02	0.14
(1,422)	1:60:A:VAL:HB	1:61:A:VAL:HG22	2	0.14	0.02	0.14
(1,422)	1:60:A:VAL:HB	1:61:A:VAL:HG23	2	0.14	0.02	0.14
(1,430)	1:36:A:VAL:HG11	1:117:A:VAL:HB	2	0.14	0.01	0.14
(1,430)	1:36:A:VAL:HG12	1:117:A:VAL:HB	2	0.14	0.01	0.14
(1,430)	1:36:A:VAL:HG13	1:117:A:VAL:HB	2	0.14	0.01	0.14
(1,1729)	1:65:A:ASP:HA	1:100:A:LYS:HB2	2	0.14	0.04	0.14
(1,2854)	1:45:A:PHE:HE1	1:117:A:VAL:HG21	2	0.13	0.0	0.13
(1,2854)	1:45:A:PHE:HE1	1:117:A:VAL:HG22	2	0.13	0.0	0.13
(1,2854)	1:45:A:PHE:HE1	1:117:A:VAL:HG23	2	0.13	0.0	0.13
(1,2854)	1:45:A:PHE:HE2	1:117:A:VAL:HG21	2	0.13	0.0	0.13
(1,2854)	1:45:A:PHE:HE2	1:117:A:VAL:HG22	2	0.13	0.0	0.13
(1,2854)	1:45:A:PHE:HE2	1:117:A:VAL:HG23	2	0.13	0.0	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,63)	1:6:A:LEU:HD11	1:120:A:ARG:HD2	2	0.12	0.02	0.12
(1,63)	1:6:A:LEU:HD11	1:120:A:ARG:HD3	2	0.12	0.02	0.12
(1,63)	1:6:A:LEU:HD12	1:120:A:ARG:HD2	2	0.12	0.02	0.12
(1,63)	1:6:A:LEU:HD12	1:120:A:ARG:HD3	2	0.12	0.02	0.12
(1,63)	1:6:A:LEU:HD13	1:120:A:ARG:HD2	2	0.12	0.02	0.12
(1,63)	1:6:A:LEU:HD13	1:120:A:ARG:HD3	2	0.12	0.02	0.12
(1,63)	1:6:A:LEU:HD21	1:120:A:ARG:HD2	2	0.12	0.02	0.12
(1,63)	1:6:A:LEU:HD21	1:120:A:ARG:HD3	2	0.12	0.02	0.12
(1,63)	1:6:A:LEU:HD22	1:120:A:ARG:HD2	2	0.12	0.02	0.12
(1,63)	1:6:A:LEU:HD22	1:120:A:ARG:HD3	2	0.12	0.02	0.12
(1,63)	1:6:A:LEU:HD23	1:120:A:ARG:HD2	2	0.12	0.02	0.12
(1,63)	1:6:A:LEU:HD23	1:120:A:ARG:HD3	2	0.12	0.02	0.12
(1,1165)	1:36:A:VAL:HG11	1:117:A:VAL:HG11	2	0.12	0.01	0.12
(1,1165)	1:36:A:VAL:HG11	1:117:A:VAL:HG12	2	0.12	0.01	0.12
(1,1165)	1:36:A:VAL:HG11	1:117:A:VAL:HG13	2	0.12	0.01	0.12
(1,1165)	1:36:A:VAL:HG12	1:117:A:VAL:HG11	2	0.12	0.01	0.12
(1,1165)	1:36:A:VAL:HG12	1:117:A:VAL:HG12	2	0.12	0.01	0.12
(1,1165)	1:36:A:VAL:HG12	1:117:A:VAL:HG13	2	0.12	0.01	0.12
(1,1165)	1:36:A:VAL:HG13	1:117:A:VAL:HG11	2	0.12	0.01	0.12
(1,1165)	1:36:A:VAL:HG13	1:117:A:VAL:HG12	2	0.12	0.01	0.12
(1,1165)	1:36:A:VAL:HG13	1:117:A:VAL:HG13	2	0.12	0.01	0.12
(1,1620)	1:14:A:ILE:HA	1:15:A:ASP:HB3	2	0.12	0.01	0.12
(1,2502)	1:122:A:ALA:HB1	1:123:A:SER:H	2	0.12	0.01	0.12
(1,2502)	1:122:A:ALA:HB2	1:123:A:SER:H	2	0.12	0.01	0.12
(1,2502)	1:122:A:ALA:HB3	1:123:A:SER:H	2	0.12	0.01	0.12
(1,2791)	1:7:A:PHE:HE1	1:117:A:VAL:HB	2	0.12	0.01	0.12
(1,2791)	1:7:A:PHE:HE2	1:117:A:VAL:HB	2	0.12	0.01	0.12
(1,411)	1:68:A:TYR:HB2	1:95:A:VAL:HB	2	0.12	0.0	0.12
(1,411)	1:68:A:TYR:HB3	1:95:A:VAL:HB	2	0.12	0.0	0.12
(1,1100)	1:123:A:SER:HB2	1:124:A:SER:H	2	0.12	0.01	0.12
(1,1362)	1:35:A:VAL:HG11	1:117:A:VAL:HG11	2	0.12	0.0	0.12
(1,1362)	1:35:A:VAL:HG11	1:117:A:VAL:HG12	2	0.12	0.0	0.12
(1,1362)	1:35:A:VAL:HG11	1:117:A:VAL:HG13	2	0.12	0.0	0.12
(1,1362)	1:35:A:VAL:HG12	1:117:A:VAL:HG11	2	0.12	0.0	0.12
(1,1362)	1:35:A:VAL:HG12	1:117:A:VAL:HG12	2	0.12	0.0	0.12
(1,1362)	1:35:A:VAL:HG12	1:117:A:VAL:HG13	2	0.12	0.0	0.12
(1,1362)	1:35:A:VAL:HG13	1:117:A:VAL:HG11	2	0.12	0.0	0.12
(1,1362)	1:35:A:VAL:HG13	1:117:A:VAL:HG12	2	0.12	0.0	0.12
(1,1362)	1:35:A:VAL:HG13	1:117:A:VAL:HG13	2	0.12	0.0	0.12
(1,750)	1:5:A:LEU:HD21	1:45:A:PHE:HE1	2	0.11	0.0	0.11
(1,750)	1:5:A:LEU:HD21	1:45:A:PHE:HE2	2	0.11	0.0	0.11
(1,750)	1:5:A:LEU:HD22	1:45:A:PHE:HE1	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)
(1,750)	1:5:A:LEU:HD22	1:45:A:PHE:HE2	2	0.11	0.0	0.11
(1,750)	1:5:A:LEU:HD23	1:45:A:PHE:HE1	2	0.11	0.0	0.11
(1,750)	1:5:A:LEU:HD23	1:45:A:PHE:HE2	2	0.11	0.0	0.11
(1,1005)	1:100:A:LYS:HG2	1:102:A:VAL:H	2	0.11	0.0	0.11
(1,1005)	1:100:A:LYS:HG3	1:102:A:VAL:H	2	0.11	0.0	0.11
(1,2265)	1:122:A:ALA:HB1	1:124:A:SER:H	2	0.11	0.0	0.11
(1,2265)	1:122:A:ALA:HB2	1:124:A:SER:H	2	0.11	0.0	0.11
(1,2265)	1:122:A:ALA:HB3	1:124:A:SER:H	2	0.11	0.0	0.11
(1,29)	1:104:A:GLY:HA2	1:106:A:GLU:HG2	2	0.11	0.0	0.11
(1,29)	1:104:A:GLY:HA2	1:106:A:GLU:HG3	2	0.11	0.0	0.11
(1,44)	1:41:A:GLU:HB2	1:80:A:GLY:HA2	2	0.11	0.0	0.11
(1,44)	1:41:A:GLU:HB3	1:80:A:GLY:HA2	2	0.11	0.0	0.11
(1,135)	1:27:A:LYS:HE2	1:121:A:PHE:HE1	2	0.11	0.0	0.11
(1,135)	1:27:A:LYS:HE2	1:121:A:PHE:HE2	2	0.11	0.0	0.11
(1,135)	1:27:A:LYS:HE3	1:121:A:PHE:HE1	2	0.11	0.0	0.11
(1,135)	1:27:A:LYS:HE3	1:121:A:PHE:HE2	2	0.11	0.0	0.11
(1,930)	1:64:A:GLY:H	1:105:A:LEU:HD11	2	0.11	0.0	0.11
(1,930)	1:64:A:GLY:H	1:105:A:LEU:HD12	2	0.11	0.0	0.11
(1,930)	1:64:A:GLY:H	1:105:A:LEU:HD13	2	0.11	0.0	0.11
(1,1397)	1:29:A:LYS:HE2	1:49:A:VAL:HG11	2	0.11	0.0	0.11
(1,1397)	1:29:A:LYS:HE2	1:49:A:VAL:HG12	2	0.11	0.0	0.11
(1,1397)	1:29:A:LYS:HE2	1:49:A:VAL:HG13	2	0.11	0.0	0.11
(1,1397)	1:29:A:LYS:HE3	1:49:A:VAL:HG11	2	0.11	0.0	0.11
(1,1397)	1:29:A:LYS:HE3	1:49:A:VAL:HG12	2	0.11	0.0	0.11
(1,1397)	1:29:A:LYS:HE3	1:49:A:VAL:HG13	2	0.11	0.0	0.11
(1,1582)	1:12:A:CYS:HA	1:101:A:ILE:HG21	2	0.11	0.0	0.11
(1,1582)	1:12:A:CYS:HA	1:101:A:ILE:HG22	2	0.11	0.0	0.11
(1,1582)	1:12:A:CYS:HA	1:101:A:ILE:HG23	2	0.11	0.0	0.11
(1,1605)	1:43:A:ILE:HG21	1:111:A:ILE:HD11	2	0.11	0.0	0.11
(1,1605)	1:43:A:ILE:HG21	1:111:A:ILE:HD12	2	0.11	0.0	0.11
(1,1605)	1:43:A:ILE:HG21	1:111:A:ILE:HD13	2	0.11	0.0	0.11
(1,1605)	1:43:A:ILE:HG22	1:111:A:ILE:HD11	2	0.11	0.0	0.11
(1,1605)	1:43:A:ILE:HG22	1:111:A:ILE:HD12	2	0.11	0.0	0.11
(1,1605)	1:43:A:ILE:HG22	1:111:A:ILE:HD13	2	0.11	0.0	0.11
(1,1605)	1:43:A:ILE:HG23	1:111:A:ILE:HD11	2	0.11	0.0	0.11
(1,1605)	1:43:A:ILE:HG23	1:111:A:ILE:HD12	2	0.11	0.0	0.11
(1,1605)	1:43:A:ILE:HG23	1:111:A:ILE:HD13	2	0.11	0.0	0.11
(1,1813)	1:64:A:GLY:H	1:101:A:ILE:HD11	2	0.11	0.0	0.11
(1,1813)	1:64:A:GLY:H	1:101:A:ILE:HD12	2	0.11	0.0	0.11
(1,1813)	1:64:A:GLY:H	1:101:A:ILE:HD13	2	0.11	0.0	0.11
(1,2335)	1:13:A:VAL:HB	1:103:A:GLU:H	2	0.11	0.0	0.11
(1,2757)	1:31:A:PRO:HA	1:32:A:PHE:HD1	2	0.11	0.0	0.11

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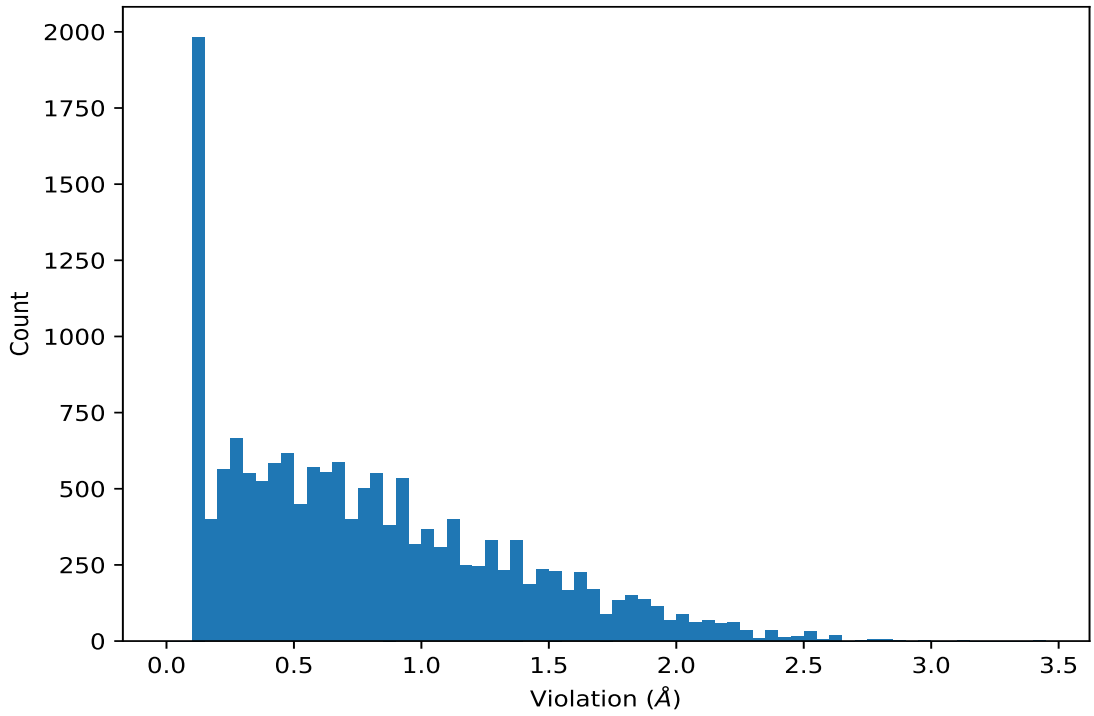
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2757)	1:31:A:PRO:HA	1:32:A:PHE:HD2	2	0.11	0.0	0.11
(1,2763)	1:36:A:VAL:HA	1:45:A:PHE:HD1	2	0.11	0.0	0.11
(1,2763)	1:36:A:VAL:HA	1:45:A:PHE:HD2	2	0.11	0.0	0.11
(1,2771)	1:79:A:PHE:HA	1:79:A:PHE:HD1	2	0.11	0.0	0.11
(1,2771)	1:79:A:PHE:HA	1:79:A:PHE:HD2	2	0.11	0.0	0.11
(1,2851)	1:38:A:THR:HG21	1:79:A:PHE:HZ	2	0.11	0.0	0.11
(1,2851)	1:38:A:THR:HG22	1:79:A:PHE:HZ	2	0.11	0.0	0.11
(1,2851)	1:38:A:THR:HG23	1:79:A:PHE:HZ	2	0.11	0.0	0.11

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

9.5 All violated distance restraints (i)

9.5.1 Histogram : Distribution of distance violations (i)

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



9.5.2 Table : All distance violations (i)

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

Rows with same key represent combinatorial or ambiguous restraints and are counted as a single restraint.

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1234)	1:7:A:PHE:HE1	1:108:A:LEU:HD23	16	3.41
(1,1239)	1:108:A:LEU:HD21	1:110:A:LYS:HG2	8	3.11
(1,1239)	1:108:A:LEU:HD22	1:110:A:LYS:HG2	8	3.11
(1,1239)	1:108:A:LEU:HD23	1:110:A:LYS:HG2	8	3.11
(1,751)	1:5:A:LEU:HD22	1:7:A:PHE:HE2	13	2.97
(1,1234)	1:7:A:PHE:HE1	1:108:A:LEU:HD23	8	2.86
(1,385)	1:60:A:VAL:HG11	1:62:A:GLU:HG2	13	2.84
(1,385)	1:60:A:VAL:HG12	1:62:A:GLU:HG2	13	2.84
(1,385)	1:60:A:VAL:HG13	1:62:A:GLU:HG2	13	2.84
(1,1234)	1:7:A:PHE:HE2	1:108:A:LEU:HD23	5	2.82
(1,34)	1:35:A:VAL:HG11	1:114:A:GLY:HA3	15	2.79
(1,34)	1:35:A:VAL:HG12	1:114:A:GLY:HA3	15	2.79
(1,34)	1:35:A:VAL:HG13	1:114:A:GLY:HA3	15	2.79
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG21	11	2.78
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG22	11	2.78
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG23	11	2.78
(1,2202)	1:5:A:LEU:HD11	1:120:A:ARG:H	5	2.7
(1,2202)	1:5:A:LEU:HD12	1:120:A:ARG:H	5	2.7
(1,2202)	1:5:A:LEU:HD13	1:120:A:ARG:H	5	2.7
(1,462)	1:22:A:VAL:HG11	1:49:A:VAL:HB	5	2.65
(1,462)	1:22:A:VAL:HG12	1:49:A:VAL:HB	5	2.65
(1,462)	1:22:A:VAL:HG13	1:49:A:VAL:HB	5	2.65
(1,1234)	1:7:A:PHE:HE1	1:108:A:LEU:HD21	12	2.64
(1,2202)	1:5:A:LEU:HD11	1:120:A:ARG:H	4	2.63
(1,2202)	1:5:A:LEU:HD12	1:120:A:ARG:H	4	2.63
(1,2202)	1:5:A:LEU:HD13	1:120:A:ARG:H	4	2.63
(1,751)	1:5:A:LEU:HD23	1:7:A:PHE:HE2	15	2.61
(1,2202)	1:5:A:LEU:HD11	1:120:A:ARG:H	2	2.6
(1,2202)	1:5:A:LEU:HD12	1:120:A:ARG:H	2	2.6
(1,2202)	1:5:A:LEU:HD13	1:120:A:ARG:H	2	2.6
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD21	14	2.6
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD22	14	2.6
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD23	14	2.6
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD21	14	2.6
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD22	14	2.6
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD23	14	2.6
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD21	14	2.6
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD22	14	2.6
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD23	14	2.6
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG21	7	2.59
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG22	7	2.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG23	7	2.59
(1,882)	1:7:A:PHE:HE2	1:77:A:LEU:HD12	16	2.59
(1,462)	1:22:A:VAL:HG11	1:49:A:VAL:HB	12	2.57
(1,462)	1:22:A:VAL:HG12	1:49:A:VAL:HB	12	2.57
(1,462)	1:22:A:VAL:HG13	1:49:A:VAL:HB	12	2.57
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG21	2	2.55
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG22	2	2.55
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG23	2	2.55
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG21	9	2.55
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG22	9	2.55
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG23	9	2.55
(1,462)	1:22:A:VAL:HG11	1:49:A:VAL:HB	17	2.55
(1,462)	1:22:A:VAL:HG12	1:49:A:VAL:HB	17	2.55
(1,462)	1:22:A:VAL:HG13	1:49:A:VAL:HB	17	2.55
(1,2202)	1:5:A:LEU:HD11	1:120:A:ARG:H	16	2.54
(1,2202)	1:5:A:LEU:HD12	1:120:A:ARG:H	16	2.54
(1,2202)	1:5:A:LEU:HD13	1:120:A:ARG:H	16	2.54
(1,940)	1:7:A:PHE:HE2	1:77:A:LEU:HD23	14	2.54
(1,940)	1:7:A:PHE:HE2	1:77:A:LEU:HD22	18	2.54
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG21	17	2.54
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG22	17	2.54
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG23	17	2.54
(1,1078)	1:16:A:LEU:HD21	1:98:A:ILE:H	4	2.53
(1,1078)	1:16:A:LEU:HD22	1:98:A:ILE:H	4	2.53
(1,1078)	1:16:A:LEU:HD23	1:98:A:ILE:H	4	2.53
(1,462)	1:22:A:VAL:HG11	1:49:A:VAL:HB	15	2.53
(1,462)	1:22:A:VAL:HG12	1:49:A:VAL:HB	15	2.53
(1,462)	1:22:A:VAL:HG13	1:49:A:VAL:HB	15	2.53
(1,1078)	1:16:A:LEU:HD21	1:98:A:ILE:H	5	2.52
(1,1078)	1:16:A:LEU:HD22	1:98:A:ILE:H	5	2.52
(1,1078)	1:16:A:LEU:HD23	1:98:A:ILE:H	5	2.52
(1,882)	1:7:A:PHE:HE2	1:77:A:LEU:HD11	19	2.52
(1,1242)	1:11:A:LYS:H	1:108:A:LEU:HD21	16	2.51
(1,1242)	1:11:A:LYS:H	1:108:A:LEU:HD22	16	2.51
(1,1242)	1:11:A:LYS:H	1:108:A:LEU:HD23	16	2.51
(1,2202)	1:5:A:LEU:HD11	1:120:A:ARG:H	15	2.5
(1,2202)	1:5:A:LEU:HD12	1:120:A:ARG:H	15	2.5
(1,2202)	1:5:A:LEU:HD13	1:120:A:ARG:H	15	2.5
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG21	14	2.47
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG22	14	2.47
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG23	14	2.47
(1,814)	1:61:A:VAL:HG11	1:89:A:ILE:HG12	1	2.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,814)	1:61:A:VAL:HG12	1:89:A:ILE:HG12	1	2.47
(1,814)	1:61:A:VAL:HG13	1:89:A:ILE:HG12	1	2.47
(1,462)	1:22:A:VAL:HG11	1:49:A:VAL:HB	13	2.47
(1,462)	1:22:A:VAL:HG12	1:49:A:VAL:HB	13	2.47
(1,462)	1:22:A:VAL:HG13	1:49:A:VAL:HB	13	2.47
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG21	1	2.46
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG22	1	2.46
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG23	1	2.46
(1,940)	1:7:A:PHE:HE2	1:77:A:LEU:HD22	13	2.46
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG21	11	2.45
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG22	11	2.45
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG23	11	2.45
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG21	14	2.42
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG22	14	2.42
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG23	14	2.42
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG21	14	2.42
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG22	14	2.42
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG23	14	2.42
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG21	14	2.42
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG22	14	2.42
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG23	14	2.42
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG21	17	2.41
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG22	17	2.41
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG23	17	2.41
(1,2202)	1:5:A:LEU:HD11	1:120:A:ARG:H	9	2.4
(1,2202)	1:5:A:LEU:HD12	1:120:A:ARG:H	9	2.4
(1,2202)	1:5:A:LEU:HD13	1:120:A:ARG:H	9	2.4
(1,882)	1:7:A:PHE:HE2	1:77:A:LEU:HD12	6	2.4
(1,882)	1:7:A:PHE:HE2	1:77:A:LEU:HD11	9	2.4
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG21	10	2.39
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG22	10	2.39
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG23	10	2.39
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG21	10	2.39
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG22	10	2.39
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG23	10	2.39
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG21	10	2.39
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG22	10	2.39
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG23	10	2.39
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG21	6	2.36
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG22	6	2.36
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG23	6	2.36
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG21	1	2.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG22	1	2.35
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG23	1	2.35
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG21	1	2.35
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG22	1	2.35
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG23	1	2.35
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG21	1	2.35
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG22	1	2.35
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG23	1	2.35
(1,1078)	1:16:A:LEU:HD21	1:98:A:ILE:H	8	2.35
(1,1078)	1:16:A:LEU:HD22	1:98:A:ILE:H	8	2.35
(1,1078)	1:16:A:LEU:HD23	1:98:A:ILE:H	8	2.35
(1,940)	1:7:A:PHE:HE1	1:77:A:LEU:HD22	8	2.35
(1,751)	1:5:A:LEU:HD23	1:7:A:PHE:HE2	7	2.35
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG21	17	2.35
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG22	17	2.35
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG23	17	2.35
(1,2202)	1:5:A:LEU:HD11	1:120:A:ARG:H	13	2.32
(1,2202)	1:5:A:LEU:HD12	1:120:A:ARG:H	13	2.32
(1,2202)	1:5:A:LEU:HD13	1:120:A:ARG:H	13	2.32
(1,1078)	1:16:A:LEU:HD21	1:98:A:ILE:H	10	2.32
(1,1078)	1:16:A:LEU:HD22	1:98:A:ILE:H	10	2.32
(1,1078)	1:16:A:LEU:HD23	1:98:A:ILE:H	10	2.32
(1,1345)	1:2:A:ARG:HE	1:13:A:VAL:HG21	11	2.31
(1,1345)	1:2:A:ARG:HE	1:13:A:VAL:HG22	11	2.31
(1,1345)	1:2:A:ARG:HE	1:13:A:VAL:HG23	11	2.31
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG21	20	2.3
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG22	20	2.3
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG23	20	2.3
(1,1078)	1:16:A:LEU:HD21	1:98:A:ILE:H	17	2.3
(1,1078)	1:16:A:LEU:HD22	1:98:A:ILE:H	17	2.3
(1,1078)	1:16:A:LEU:HD23	1:98:A:ILE:H	17	2.3
(1,940)	1:7:A:PHE:HE2	1:77:A:LEU:HD21	17	2.3
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG21	7	2.29
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG22	7	2.29
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG23	7	2.29
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG21	7	2.29
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG22	7	2.29
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG23	7	2.29
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG21	7	2.29
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG22	7	2.29
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG23	7	2.29
(1,940)	1:7:A:PHE:HE1	1:77:A:LEU:HD23	10	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG21	5	2.28
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG22	5	2.28
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG23	5	2.28
(1,462)	1:22:A:VAL:HG11	1:49:A:VAL:HB	14	2.28
(1,462)	1:22:A:VAL:HG12	1:49:A:VAL:HB	14	2.28
(1,462)	1:22:A:VAL:HG13	1:49:A:VAL:HB	14	2.28
(1,1510)	1:13:A:VAL:HB	1:102:A:VAL:HG21	14	2.27
(1,1510)	1:13:A:VAL:HB	1:102:A:VAL:HG22	14	2.27
(1,1510)	1:13:A:VAL:HB	1:102:A:VAL:HG23	14	2.27
(1,940)	1:7:A:PHE:HE2	1:77:A:LEU:HD23	20	2.27
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG21	10	2.26
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG22	10	2.26
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG23	10	2.26
(1,814)	1:61:A:VAL:HG11	1:89:A:ILE:HG12	7	2.26
(1,814)	1:61:A:VAL:HG12	1:89:A:ILE:HG12	7	2.26
(1,814)	1:61:A:VAL:HG13	1:89:A:ILE:HG12	7	2.26
(1,814)	1:61:A:VAL:HG11	1:89:A:ILE:HG12	14	2.26
(1,814)	1:61:A:VAL:HG12	1:89:A:ILE:HG12	14	2.26
(1,814)	1:61:A:VAL:HG13	1:89:A:ILE:HG12	14	2.26
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG21	2	2.24
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG22	2	2.24
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG23	2	2.24
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG21	2	2.24
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG22	2	2.24
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG23	2	2.24
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG21	2	2.24
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG22	2	2.24
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG23	2	2.24
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD21	2	2.24
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD22	2	2.24
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD23	2	2.24
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD21	2	2.24
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD22	2	2.24
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD23	2	2.24
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD21	2	2.24
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD22	2	2.24
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD23	2	2.24
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG21	11	2.24
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG22	11	2.24
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG23	11	2.24
(1,455)	1:102:A:VAL:HG21	1:103:A:GLU:HB3	14	2.23
(1,455)	1:102:A:VAL:HG22	1:103:A:GLU:HB3	14	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,455)	1:102:A:VAL:HG23	1:103:A:GLU:HB3	14	2.23
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD21	13	2.22
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD22	13	2.22
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD23	13	2.22
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD21	13	2.22
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD22	13	2.22
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD23	13	2.22
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD21	13	2.22
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD22	13	2.22
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD23	13	2.22
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD21	18	2.22
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD22	18	2.22
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD23	18	2.22
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD21	18	2.22
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD22	18	2.22
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD23	18	2.22
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD21	18	2.22
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD22	18	2.22
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD23	18	2.22
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG11	10	2.22
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG12	10	2.22
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG13	10	2.22
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG11	5	2.21
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG12	5	2.21
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG13	5	2.21
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG11	20	2.21
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG12	20	2.21
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG13	20	2.21
(1,940)	1:7:A:PHE:HE1	1:77:A:LEU:HD23	2	2.21
(1,455)	1:102:A:VAL:HG21	1:103:A:GLU:HB3	10	2.21
(1,455)	1:102:A:VAL:HG22	1:103:A:GLU:HB3	10	2.21
(1,455)	1:102:A:VAL:HG23	1:103:A:GLU:HB3	10	2.21
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG21	16	2.2
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG22	16	2.2
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG23	16	2.2
(1,814)	1:61:A:VAL:HG11	1:89:A:ILE:HG12	6	2.2
(1,814)	1:61:A:VAL:HG12	1:89:A:ILE:HG12	6	2.2
(1,814)	1:61:A:VAL:HG13	1:89:A:ILE:HG12	6	2.2
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG21	8	2.19
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG22	8	2.19
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG23	8	2.19
(1,940)	1:7:A:PHE:HE1	1:77:A:LEU:HD23	12	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,751)	1:5:A:LEU:HD21	1:7:A:PHE:HE2	4	2.18
(1,1714)	1:61:A:VAL:HG11	1:89:A:ILE:HB	8	2.17
(1,1714)	1:61:A:VAL:HG12	1:89:A:ILE:HB	8	2.17
(1,1714)	1:61:A:VAL:HG13	1:89:A:ILE:HB	8	2.17
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG11	19	2.17
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG12	19	2.17
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG13	19	2.17
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG21	6	2.17
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG22	6	2.17
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG23	6	2.17
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG21	6	2.17
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG22	6	2.17
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG23	6	2.17
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG21	6	2.17
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG22	6	2.17
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG23	6	2.17
(1,1036)	1:26:A:LEU:HD11	1:48:A:PRO:HG3	5	2.17
(1,1036)	1:26:A:LEU:HD12	1:48:A:PRO:HG3	5	2.17
(1,1036)	1:26:A:LEU:HD13	1:48:A:PRO:HG3	5	2.17
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG21	2	2.17
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG22	2	2.17
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG23	2	2.17
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG11	9	2.16
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG12	9	2.16
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG13	9	2.16
(1,1242)	1:11:A:LYS:H	1:108:A:LEU:HD21	8	2.16
(1,1242)	1:11:A:LYS:H	1:108:A:LEU:HD22	8	2.16
(1,1242)	1:11:A:LYS:H	1:108:A:LEU:HD23	8	2.16
(1,1036)	1:26:A:LEU:HD11	1:48:A:PRO:HG3	4	2.16
(1,1036)	1:26:A:LEU:HD12	1:48:A:PRO:HG3	4	2.16
(1,1036)	1:26:A:LEU:HD13	1:48:A:PRO:HG3	4	2.16
(1,2732)	1:22:A:VAL:HG21	1:96:A:ASN:HD22	15	2.15
(1,2732)	1:22:A:VAL:HG22	1:96:A:ASN:HD22	15	2.15
(1,2732)	1:22:A:VAL:HG23	1:96:A:ASN:HD22	15	2.15
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG21	12	2.15
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG22	12	2.15
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG23	12	2.15
(1,2202)	1:5:A:LEU:HD11	1:120:A:ARG:H	7	2.15
(1,2202)	1:5:A:LEU:HD12	1:120:A:ARG:H	7	2.15
(1,2202)	1:5:A:LEU:HD13	1:120:A:ARG:H	7	2.15
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG11	11	2.15
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG12	11	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG13	11	2.15
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG11	16	2.15
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG12	16	2.15
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG13	16	2.15
(1,1242)	1:11:A:LYS:H	1:108:A:LEU:HD21	5	2.15
(1,1242)	1:11:A:LYS:H	1:108:A:LEU:HD22	5	2.15
(1,1242)	1:11:A:LYS:H	1:108:A:LEU:HD23	5	2.15
(1,751)	1:5:A:LEU:HD21	1:7:A:PHE:HE2	9	2.15
(1,311)	1:59:A:GLU:HG3	1:60:A:VAL:HG21	14	2.15
(1,311)	1:59:A:GLU:HG3	1:60:A:VAL:HG22	14	2.15
(1,311)	1:59:A:GLU:HG3	1:60:A:VAL:HG23	14	2.15
(1,1242)	1:11:A:LYS:H	1:108:A:LEU:HD21	12	2.14
(1,1242)	1:11:A:LYS:H	1:108:A:LEU:HD22	12	2.14
(1,1242)	1:11:A:LYS:H	1:108:A:LEU:HD23	12	2.14
(1,1234)	1:7:A:PHE:HE1	1:108:A:LEU:HD23	13	2.14
(1,311)	1:59:A:GLU:HG3	1:60:A:VAL:HG21	15	2.14
(1,311)	1:59:A:GLU:HG3	1:60:A:VAL:HG22	15	2.14
(1,311)	1:59:A:GLU:HG3	1:60:A:VAL:HG23	15	2.14
(1,1714)	1:61:A:VAL:HG11	1:89:A:ILE:HB	2	2.13
(1,1714)	1:61:A:VAL:HG12	1:89:A:ILE:HB	2	2.13
(1,1714)	1:61:A:VAL:HG13	1:89:A:ILE:HB	2	2.13
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG21	18	2.13
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG22	18	2.13
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG23	18	2.13
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG21	18	2.13
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG22	18	2.13
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG23	18	2.13
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG21	18	2.13
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG22	18	2.13
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG23	18	2.13
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD21	7	2.13
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD22	7	2.13
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD23	7	2.13
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD21	7	2.13
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD22	7	2.13
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD23	7	2.13
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD21	7	2.13
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD22	7	2.13
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD23	7	2.13
(1,1714)	1:61:A:VAL:HG11	1:89:A:ILE:HB	14	2.12
(1,1714)	1:61:A:VAL:HG12	1:89:A:ILE:HB	14	2.12
(1,1714)	1:61:A:VAL:HG13	1:89:A:ILE:HB	14	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1510)	1:13:A:VAL:HB	1:102:A:VAL:HG21	11	2.12
(1,1510)	1:13:A:VAL:HB	1:102:A:VAL:HG22	11	2.12
(1,1510)	1:13:A:VAL:HB	1:102:A:VAL:HG23	11	2.12
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG11	1	2.12
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG12	1	2.12
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG13	1	2.12
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG11	2	2.12
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG12	2	2.12
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG13	2	2.12
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG21	18	2.12
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG22	18	2.12
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG23	18	2.12
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG21	18	2.12
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG22	18	2.12
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG23	18	2.12
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG11	8	2.12
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG12	8	2.12
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG13	8	2.12
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG11	12	2.12
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG12	12	2.12
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG13	12	2.12
(1,1078)	1:16:A:LEU:HD21	1:98:A:ILE:H	1	2.12
(1,1078)	1:16:A:LEU:HD22	1:98:A:ILE:H	1	2.12
(1,1078)	1:16:A:LEU:HD23	1:98:A:ILE:H	1	2.12
(1,311)	1:59:A:GLU:HG3	1:60:A:VAL:HG21	16	2.12
(1,311)	1:59:A:GLU:HG3	1:60:A:VAL:HG22	16	2.12
(1,311)	1:59:A:GLU:HG3	1:60:A:VAL:HG23	16	2.12
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG11	14	2.11
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG12	14	2.11
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG13	14	2.11
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG11	1	2.1
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG12	1	2.1
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG13	1	2.1
(1,940)	1:7:A:PHE:HE1	1:77:A:LEU:HD21	1	2.1
(1,385)	1:60:A:VAL:HG11	1:62:A:GLU:HG2	16	2.1
(1,385)	1:60:A:VAL:HG12	1:62:A:GLU:HG2	16	2.1
(1,385)	1:60:A:VAL:HG13	1:62:A:GLU:HG2	16	2.1
(1,1714)	1:61:A:VAL:HG11	1:89:A:ILE:HB	10	2.09
(1,1714)	1:61:A:VAL:HG12	1:89:A:ILE:HB	10	2.09
(1,1714)	1:61:A:VAL:HG13	1:89:A:ILE:HB	10	2.09
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG11	18	2.09
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG12	18	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG13	18	2.09
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG11	3	2.09
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG12	3	2.09
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG13	3	2.09
(1,1239)	1:108:A:LEU:HD21	1:110:A:LYS:HG2	5	2.09
(1,1239)	1:108:A:LEU:HD22	1:110:A:LYS:HG2	5	2.09
(1,1239)	1:108:A:LEU:HD23	1:110:A:LYS:HG2	5	2.09
(1,462)	1:22:A:VAL:HG11	1:49:A:VAL:HB	8	2.09
(1,462)	1:22:A:VAL:HG12	1:49:A:VAL:HB	8	2.09
(1,462)	1:22:A:VAL:HG13	1:49:A:VAL:HB	8	2.09
(1,311)	1:59:A:GLU:HG3	1:60:A:VAL:HG21	7	2.09
(1,311)	1:59:A:GLU:HG3	1:60:A:VAL:HG22	7	2.09
(1,311)	1:59:A:GLU:HG3	1:60:A:VAL:HG23	7	2.09
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG11	13	2.08
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG12	13	2.08
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG13	13	2.08
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG11	4	2.08
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG12	4	2.08
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG13	4	2.08
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG11	5	2.08
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG12	5	2.08
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG13	5	2.08
(1,940)	1:7:A:PHE:HE2	1:77:A:LEU:HD21	5	2.08
(1,814)	1:61:A:VAL:HG11	1:89:A:ILE:HG12	2	2.08
(1,814)	1:61:A:VAL:HG12	1:89:A:ILE:HG12	2	2.08
(1,814)	1:61:A:VAL:HG13	1:89:A:ILE:HG12	2	2.08
(1,814)	1:61:A:VAL:HG11	1:89:A:ILE:HG12	10	2.08
(1,814)	1:61:A:VAL:HG12	1:89:A:ILE:HG12	10	2.08
(1,814)	1:61:A:VAL:HG13	1:89:A:ILE:HG12	10	2.08
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD21	6	2.07
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD22	6	2.07
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD23	6	2.07
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD21	6	2.07
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD22	6	2.07
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD23	6	2.07
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD21	6	2.07
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD22	6	2.07
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD23	6	2.07
(1,311)	1:59:A:GLU:HG3	1:60:A:VAL:HG21	1	2.07
(1,311)	1:59:A:GLU:HG3	1:60:A:VAL:HG22	1	2.07
(1,311)	1:59:A:GLU:HG3	1:60:A:VAL:HG23	1	2.07
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG11	12	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG12	12	2.06
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG13	12	2.06
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG11	11	2.06
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG12	11	2.06
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG13	11	2.06
(1,1040)	1:26:A:LEU:HD11	1:48:A:PRO:HD3	4	2.06
(1,1040)	1:26:A:LEU:HD12	1:48:A:PRO:HD3	4	2.06
(1,1040)	1:26:A:LEU:HD13	1:48:A:PRO:HD3	4	2.06
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD21	18	2.06
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD22	18	2.06
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD23	18	2.06
(1,311)	1:59:A:GLU:HG3	1:60:A:VAL:HG21	17	2.06
(1,311)	1:59:A:GLU:HG3	1:60:A:VAL:HG22	17	2.06
(1,311)	1:59:A:GLU:HG3	1:60:A:VAL:HG23	17	2.06
(1,1040)	1:26:A:LEU:HD11	1:48:A:PRO:HD3	17	2.05
(1,1040)	1:26:A:LEU:HD12	1:48:A:PRO:HD3	17	2.05
(1,1040)	1:26:A:LEU:HD13	1:48:A:PRO:HD3	17	2.05
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG11	16	2.05
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG12	16	2.05
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG13	16	2.05
(1,455)	1:102:A:VAL:HG21	1:103:A:GLU:HB3	3	2.05
(1,455)	1:102:A:VAL:HG22	1:103:A:GLU:HB3	3	2.05
(1,455)	1:102:A:VAL:HG23	1:103:A:GLU:HB3	3	2.05
(1,455)	1:102:A:VAL:HG21	1:103:A:GLU:HB3	16	2.05
(1,455)	1:102:A:VAL:HG22	1:103:A:GLU:HB3	16	2.05
(1,455)	1:102:A:VAL:HG23	1:103:A:GLU:HB3	16	2.05
(1,311)	1:59:A:GLU:HG3	1:60:A:VAL:HG21	4	2.05
(1,311)	1:59:A:GLU:HG3	1:60:A:VAL:HG22	4	2.05
(1,311)	1:59:A:GLU:HG3	1:60:A:VAL:HG23	4	2.05
(1,311)	1:59:A:GLU:HG3	1:60:A:VAL:HG21	18	2.05
(1,311)	1:59:A:GLU:HG3	1:60:A:VAL:HG22	18	2.05
(1,311)	1:59:A:GLU:HG3	1:60:A:VAL:HG23	18	2.05
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG11	13	2.04
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG12	13	2.04
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG13	13	2.04
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG21	20	2.04
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG22	20	2.04
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG23	20	2.04
(1,1036)	1:26:A:LEU:HD11	1:48:A:PRO:HG3	17	2.04
(1,1036)	1:26:A:LEU:HD12	1:48:A:PRO:HG3	17	2.04
(1,1036)	1:26:A:LEU:HD13	1:48:A:PRO:HG3	17	2.04
(1,311)	1:59:A:GLU:HG3	1:60:A:VAL:HG21	13	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,311)	1:59:A:GLU:HG3	1:60:A:VAL:HG22	13	2.04
(1,311)	1:59:A:GLU:HG3	1:60:A:VAL:HG23	13	2.04
(1,1361)	1:35:A:VAL:HG11	1:114:A:GLY:HA2	15	2.03
(1,1361)	1:35:A:VAL:HG12	1:114:A:GLY:HA2	15	2.03
(1,1361)	1:35:A:VAL:HG13	1:114:A:GLY:HA2	15	2.03
(1,1082)	1:16:A:LEU:HD21	1:98:A:ILE:HG12	8	2.03
(1,1082)	1:16:A:LEU:HD21	1:98:A:ILE:HG13	8	2.03
(1,1082)	1:16:A:LEU:HD22	1:98:A:ILE:HG12	8	2.03
(1,1082)	1:16:A:LEU:HD22	1:98:A:ILE:HG13	8	2.03
(1,1082)	1:16:A:LEU:HD23	1:98:A:ILE:HG12	8	2.03
(1,1082)	1:16:A:LEU:HD23	1:98:A:ILE:HG13	8	2.03
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG11	1	2.03
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG12	1	2.03
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG13	1	2.03
(1,305)	1:59:A:GLU:HG2	1:60:A:VAL:HG21	1	2.03
(1,305)	1:59:A:GLU:HG2	1:60:A:VAL:HG22	1	2.03
(1,305)	1:59:A:GLU:HG2	1:60:A:VAL:HG23	1	2.03
(1,814)	1:61:A:VAL:HG11	1:89:A:ILE:HG12	8	2.02
(1,814)	1:61:A:VAL:HG12	1:89:A:ILE:HG12	8	2.02
(1,814)	1:61:A:VAL:HG13	1:89:A:ILE:HG12	8	2.02
(1,305)	1:59:A:GLU:HG2	1:60:A:VAL:HG21	17	2.02
(1,305)	1:59:A:GLU:HG2	1:60:A:VAL:HG22	17	2.02
(1,305)	1:59:A:GLU:HG2	1:60:A:VAL:HG23	17	2.02
(1,1714)	1:61:A:VAL:HG11	1:89:A:ILE:HB	1	2.01
(1,1714)	1:61:A:VAL:HG12	1:89:A:ILE:HB	1	2.01
(1,1714)	1:61:A:VAL:HG13	1:89:A:ILE:HB	1	2.01
(1,1714)	1:61:A:VAL:HG11	1:89:A:ILE:HB	7	2.01
(1,1714)	1:61:A:VAL:HG12	1:89:A:ILE:HB	7	2.01
(1,1714)	1:61:A:VAL:HG13	1:89:A:ILE:HB	7	2.01
(1,814)	1:61:A:VAL:HG11	1:89:A:ILE:HG12	5	2.01
(1,814)	1:61:A:VAL:HG12	1:89:A:ILE:HG12	5	2.01
(1,814)	1:61:A:VAL:HG13	1:89:A:ILE:HG12	5	2.01
(1,730)	1:7:A:PHE:HE2	1:77:A:LEU:HG	19	2.01
(1,462)	1:22:A:VAL:HG11	1:49:A:VAL:HB	1	2.01
(1,462)	1:22:A:VAL:HG12	1:49:A:VAL:HB	1	2.01
(1,462)	1:22:A:VAL:HG13	1:49:A:VAL:HB	1	2.01
(1,311)	1:59:A:GLU:HG3	1:60:A:VAL:HG21	3	2.01
(1,311)	1:59:A:GLU:HG3	1:60:A:VAL:HG22	3	2.01
(1,311)	1:59:A:GLU:HG3	1:60:A:VAL:HG23	3	2.01
(1,305)	1:59:A:GLU:HG2	1:60:A:VAL:HG21	4	2.01
(1,305)	1:59:A:GLU:HG2	1:60:A:VAL:HG22	4	2.01
(1,305)	1:59:A:GLU:HG2	1:60:A:VAL:HG23	4	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,305)	1:59:A:GLU:HG2	1:60:A:VAL:HG21	16	2.01
(1,305)	1:59:A:GLU:HG2	1:60:A:VAL:HG22	16	2.01
(1,305)	1:59:A:GLU:HG2	1:60:A:VAL:HG23	16	2.01
(1,2775)	1:79:A:PHE:HD1	1:108:A:LEU:HD11	12	2.0
(1,2775)	1:79:A:PHE:HD1	1:108:A:LEU:HD12	12	2.0
(1,2775)	1:79:A:PHE:HD1	1:108:A:LEU:HD13	12	2.0
(1,2775)	1:79:A:PHE:HD2	1:108:A:LEU:HD11	12	2.0
(1,2775)	1:79:A:PHE:HD2	1:108:A:LEU:HD12	12	2.0
(1,2775)	1:79:A:PHE:HD2	1:108:A:LEU:HD13	12	2.0
(1,1239)	1:108:A:LEU:HD21	1:110:A:LYS:HG2	1	2.0
(1,1239)	1:108:A:LEU:HD22	1:110:A:LYS:HG2	1	2.0
(1,1239)	1:108:A:LEU:HD23	1:110:A:LYS:HG2	1	2.0
(1,814)	1:61:A:VAL:HG11	1:89:A:ILE:HG12	17	2.0
(1,814)	1:61:A:VAL:HG12	1:89:A:ILE:HG12	17	2.0
(1,814)	1:61:A:VAL:HG13	1:89:A:ILE:HG12	17	2.0
(1,305)	1:59:A:GLU:HG2	1:60:A:VAL:HG21	19	2.0
(1,305)	1:59:A:GLU:HG2	1:60:A:VAL:HG22	19	2.0
(1,305)	1:59:A:GLU:HG2	1:60:A:VAL:HG23	19	2.0
(1,455)	1:102:A:VAL:HG21	1:103:A:GLU:HB3	8	1.99
(1,455)	1:102:A:VAL:HG22	1:103:A:GLU:HB3	8	1.99
(1,455)	1:102:A:VAL:HG23	1:103:A:GLU:HB3	8	1.99
(1,311)	1:59:A:GLU:HG3	1:60:A:VAL:HG21	19	1.99
(1,311)	1:59:A:GLU:HG3	1:60:A:VAL:HG22	19	1.99
(1,311)	1:59:A:GLU:HG3	1:60:A:VAL:HG23	19	1.99
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG21	2	1.99
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG22	2	1.99
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG23	2	1.99
(1,1036)	1:26:A:LEU:HD11	1:48:A:PRO:HG3	15	1.98
(1,1036)	1:26:A:LEU:HD12	1:48:A:PRO:HG3	15	1.98
(1,1036)	1:26:A:LEU:HD13	1:48:A:PRO:HG3	15	1.98
(1,940)	1:7:A:PHE:HE2	1:77:A:LEU:HD21	11	1.98
(1,814)	1:61:A:VAL:HG11	1:89:A:ILE:HG12	18	1.98
(1,814)	1:61:A:VAL:HG12	1:89:A:ILE:HG12	18	1.98
(1,814)	1:61:A:VAL:HG13	1:89:A:ILE:HG12	18	1.98
(1,305)	1:59:A:GLU:HG2	1:60:A:VAL:HG21	7	1.98
(1,305)	1:59:A:GLU:HG2	1:60:A:VAL:HG22	7	1.98
(1,305)	1:59:A:GLU:HG2	1:60:A:VAL:HG23	7	1.98
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD21	18	1.97
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD22	18	1.97
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD23	18	1.97
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD21	17	1.97
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD22	17	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD23	17	1.97
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD21	17	1.97
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD22	17	1.97
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD23	17	1.97
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD21	17	1.97
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD22	17	1.97
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD23	17	1.97
(1,305)	1:59:A:GLU:HG2	1:60:A:VAL:HG21	3	1.97
(1,305)	1:59:A:GLU:HG2	1:60:A:VAL:HG22	3	1.97
(1,305)	1:59:A:GLU:HG2	1:60:A:VAL:HG23	3	1.97
(1,305)	1:59:A:GLU:HG2	1:60:A:VAL:HG21	6	1.97
(1,305)	1:59:A:GLU:HG2	1:60:A:VAL:HG22	6	1.97
(1,305)	1:59:A:GLU:HG2	1:60:A:VAL:HG23	6	1.97
(1,305)	1:59:A:GLU:HG2	1:60:A:VAL:HG21	14	1.97
(1,305)	1:59:A:GLU:HG2	1:60:A:VAL:HG22	14	1.97
(1,305)	1:59:A:GLU:HG2	1:60:A:VAL:HG23	14	1.97
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG21	3	1.97
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG22	3	1.97
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG23	3	1.97
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG21	15	1.96
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG22	15	1.96
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG23	15	1.96
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG11	14	1.96
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG12	14	1.96
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG13	14	1.96
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD21	1	1.96
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD22	1	1.96
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD23	1	1.96
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD21	1	1.96
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD22	1	1.96
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD23	1	1.96
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD21	1	1.96
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD22	1	1.96
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD23	1	1.96
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG11	6	1.96
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG12	6	1.96
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG13	6	1.96
(1,311)	1:59:A:GLU:HG3	1:60:A:VAL:HG21	6	1.96
(1,311)	1:59:A:GLU:HG3	1:60:A:VAL:HG22	6	1.96
(1,311)	1:59:A:GLU:HG3	1:60:A:VAL:HG23	6	1.96
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG21	7	1.96
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG22	7	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG23	7	1.96
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD11	20	1.95
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD12	20	1.95
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD13	20	1.95
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD11	20	1.95
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD12	20	1.95
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD13	20	1.95
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD11	20	1.95
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD12	20	1.95
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD13	20	1.95
(1,1714)	1:61:A:VAL:HG11	1:89:A:ILE:HB	6	1.95
(1,1714)	1:61:A:VAL:HG12	1:89:A:ILE:HB	6	1.95
(1,1714)	1:61:A:VAL:HG13	1:89:A:ILE:HB	6	1.95
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG11	6	1.95
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG12	6	1.95
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG13	6	1.95
(1,305)	1:59:A:GLU:HG2	1:60:A:VAL:HG21	18	1.95
(1,305)	1:59:A:GLU:HG2	1:60:A:VAL:HG22	18	1.95
(1,305)	1:59:A:GLU:HG2	1:60:A:VAL:HG23	18	1.95
(1,2775)	1:79:A:PHE:HD1	1:108:A:LEU:HD11	1	1.94
(1,2775)	1:79:A:PHE:HD1	1:108:A:LEU:HD12	1	1.94
(1,2775)	1:79:A:PHE:HD1	1:108:A:LEU:HD13	1	1.94
(1,2775)	1:79:A:PHE:HD2	1:108:A:LEU:HD11	1	1.94
(1,2775)	1:79:A:PHE:HD2	1:108:A:LEU:HD12	1	1.94
(1,2775)	1:79:A:PHE:HD2	1:108:A:LEU:HD13	1	1.94
(1,1714)	1:61:A:VAL:HG11	1:89:A:ILE:HB	17	1.94
(1,1714)	1:61:A:VAL:HG12	1:89:A:ILE:HB	17	1.94
(1,1714)	1:61:A:VAL:HG13	1:89:A:ILE:HB	17	1.94
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG11	6	1.94
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG12	6	1.94
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG13	6	1.94
(1,1239)	1:108:A:LEU:HD21	1:110:A:LYS:HG2	16	1.94
(1,1239)	1:108:A:LEU:HD22	1:110:A:LYS:HG2	16	1.94
(1,1239)	1:108:A:LEU:HD23	1:110:A:LYS:HG2	16	1.94
(1,1040)	1:26:A:LEU:HD11	1:48:A:PRO:HD3	15	1.94
(1,1040)	1:26:A:LEU:HD12	1:48:A:PRO:HD3	15	1.94
(1,1040)	1:26:A:LEU:HD13	1:48:A:PRO:HD3	15	1.94
(1,940)	1:7:A:PHE:HE1	1:77:A:LEU:HD23	4	1.94
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD21	16	1.94
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD22	16	1.94
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD23	16	1.94
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD21	16	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD22	16	1.94
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD23	16	1.94
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD21	16	1.94
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD22	16	1.94
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD23	16	1.94
(1,814)	1:61:A:VAL:HG11	1:89:A:ILE:HG12	4	1.94
(1,814)	1:61:A:VAL:HG12	1:89:A:ILE:HG12	4	1.94
(1,814)	1:61:A:VAL:HG13	1:89:A:ILE:HG12	4	1.94
(1,814)	1:61:A:VAL:HG11	1:89:A:ILE:HG12	13	1.94
(1,814)	1:61:A:VAL:HG12	1:89:A:ILE:HG12	13	1.94
(1,814)	1:61:A:VAL:HG13	1:89:A:ILE:HG12	13	1.94
(1,730)	1:7:A:PHE:HE2	1:77:A:LEU:HG	9	1.94
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG21	14	1.94
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG22	14	1.94
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG23	14	1.94
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG21	10	1.93
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG22	10	1.93
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG23	10	1.93
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG21	10	1.93
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG22	10	1.93
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG23	10	1.93
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG21	10	1.93
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG22	10	1.93
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG23	10	1.93
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG11	2	1.93
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG12	2	1.93
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG13	2	1.93
(1,1217)	1:25:A:LEU:HD21	1:29:A:LYS:HE2	5	1.93
(1,1217)	1:25:A:LEU:HD21	1:29:A:LYS:HE3	5	1.93
(1,1217)	1:25:A:LEU:HD22	1:29:A:LYS:HE2	5	1.93
(1,1217)	1:25:A:LEU:HD22	1:29:A:LYS:HE3	5	1.93
(1,1217)	1:25:A:LEU:HD23	1:29:A:LYS:HE2	5	1.93
(1,1217)	1:25:A:LEU:HD23	1:29:A:LYS:HE3	5	1.93
(1,1039)	1:26:A:LEU:HD11	1:47:A:THR:HA	17	1.93
(1,1039)	1:26:A:LEU:HD12	1:47:A:THR:HA	17	1.93
(1,1039)	1:26:A:LEU:HD13	1:47:A:THR:HA	17	1.93
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG21	11	1.93
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG22	11	1.93
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG23	11	1.93
(1,1082)	1:16:A:LEU:HD21	1:98:A:ILE:HG12	10	1.92
(1,1082)	1:16:A:LEU:HD21	1:98:A:ILE:HG13	10	1.92
(1,1082)	1:16:A:LEU:HD22	1:98:A:ILE:HG12	10	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1082)	1:16:A:LEU:HD22	1:98:A:ILE:HG13	10	1.92
(1,1082)	1:16:A:LEU:HD23	1:98:A:ILE:HG12	10	1.92
(1,1082)	1:16:A:LEU:HD23	1:98:A:ILE:HG13	10	1.92
(1,1039)	1:26:A:LEU:HD11	1:47:A:THR:HA	19	1.92
(1,1039)	1:26:A:LEU:HD12	1:47:A:THR:HA	19	1.92
(1,1039)	1:26:A:LEU:HD13	1:47:A:THR:HA	19	1.92
(1,905)	1:77:A:LEU:HD11	1:108:A:LEU:HA	6	1.92
(1,905)	1:77:A:LEU:HD12	1:108:A:LEU:HA	6	1.92
(1,905)	1:77:A:LEU:HD13	1:108:A:LEU:HA	6	1.92
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG11	18	1.92
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG12	18	1.92
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG13	18	1.92
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG11	2	1.92
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG12	2	1.92
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG13	2	1.92
(1,1714)	1:61:A:VAL:HG11	1:89:A:ILE:HB	5	1.91
(1,1714)	1:61:A:VAL:HG12	1:89:A:ILE:HB	5	1.91
(1,1714)	1:61:A:VAL:HG13	1:89:A:ILE:HB	5	1.91
(1,1714)	1:61:A:VAL:HG11	1:89:A:ILE:HB	18	1.91
(1,1714)	1:61:A:VAL:HG12	1:89:A:ILE:HB	18	1.91
(1,1714)	1:61:A:VAL:HG13	1:89:A:ILE:HB	18	1.91
(1,1036)	1:26:A:LEU:HD11	1:48:A:PRO:HG3	1	1.91
(1,1036)	1:26:A:LEU:HD12	1:48:A:PRO:HG3	1	1.91
(1,1036)	1:26:A:LEU:HD13	1:48:A:PRO:HG3	1	1.91
(1,1024)	1:29:A:LYS:HG3	1:49:A:VAL:HG11	2	1.91
(1,1024)	1:29:A:LYS:HG3	1:49:A:VAL:HG12	2	1.91
(1,1024)	1:29:A:LYS:HG3	1:49:A:VAL:HG13	2	1.91
(1,462)	1:22:A:VAL:HG11	1:49:A:VAL:HB	20	1.91
(1,462)	1:22:A:VAL:HG12	1:49:A:VAL:HB	20	1.91
(1,462)	1:22:A:VAL:HG13	1:49:A:VAL:HB	20	1.91
(1,1714)	1:61:A:VAL:HG11	1:89:A:ILE:HB	20	1.9
(1,1714)	1:61:A:VAL:HG12	1:89:A:ILE:HB	20	1.9
(1,1714)	1:61:A:VAL:HG13	1:89:A:ILE:HB	20	1.9
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG21	8	1.9
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG22	8	1.9
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG23	8	1.9
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD21	5	1.9
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD22	5	1.9
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD23	5	1.9
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD21	5	1.9
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD22	5	1.9
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD23	5	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD21	5	1.9
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD22	5	1.9
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD23	5	1.9
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD11	18	1.89
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD12	18	1.89
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD13	18	1.89
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD11	18	1.89
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD12	18	1.89
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD13	18	1.89
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD11	18	1.89
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD12	18	1.89
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD13	18	1.89
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG21	9	1.89
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG22	9	1.89
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG23	9	1.89
(1,1040)	1:26:A:LEU:HD11	1:48:A:PRO:HD3	1	1.89
(1,1040)	1:26:A:LEU:HD12	1:48:A:PRO:HD3	1	1.89
(1,1040)	1:26:A:LEU:HD13	1:48:A:PRO:HD3	1	1.89
(1,1040)	1:26:A:LEU:HD11	1:48:A:PRO:HD3	5	1.89
(1,1040)	1:26:A:LEU:HD12	1:48:A:PRO:HD3	5	1.89
(1,1040)	1:26:A:LEU:HD13	1:48:A:PRO:HD3	5	1.89
(1,730)	1:7:A:PHE:HE2	1:77:A:LEU:HG	6	1.89
(1,305)	1:59:A:GLU:HG2	1:60:A:VAL:HG21	13	1.89
(1,305)	1:59:A:GLU:HG2	1:60:A:VAL:HG22	13	1.89
(1,305)	1:59:A:GLU:HG2	1:60:A:VAL:HG23	13	1.89
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG11	9	1.88
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG12	9	1.88
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG13	9	1.88
(1,1239)	1:108:A:LEU:HD21	1:110:A:LYS:HG2	6	1.88
(1,1239)	1:108:A:LEU:HD22	1:110:A:LYS:HG2	6	1.88
(1,1239)	1:108:A:LEU:HD23	1:110:A:LYS:HG2	6	1.88
(1,1040)	1:26:A:LEU:HD11	1:48:A:PRO:HD3	19	1.88
(1,1040)	1:26:A:LEU:HD12	1:48:A:PRO:HD3	19	1.88
(1,1040)	1:26:A:LEU:HD13	1:48:A:PRO:HD3	19	1.88
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD21	17	1.88
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD22	17	1.88
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD23	17	1.88
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD21	17	1.88
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD22	17	1.88
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD23	17	1.88
(1,1714)	1:61:A:VAL:HG11	1:89:A:ILE:HB	11	1.87
(1,1714)	1:61:A:VAL:HG12	1:89:A:ILE:HB	11	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1714)	1:61:A:VAL:HG13	1:89:A:ILE:HB	11	1.87
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG11	10	1.87
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG12	10	1.87
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG13	10	1.87
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG11	14	1.87
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG12	14	1.87
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG13	14	1.87
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG21	16	1.87
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG22	16	1.87
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG23	16	1.87
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG21	16	1.87
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG22	16	1.87
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG23	16	1.87
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG21	16	1.87
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG22	16	1.87
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG23	16	1.87
(1,905)	1:77:A:LEU:HD11	1:108:A:LEU:HA	19	1.87
(1,905)	1:77:A:LEU:HD12	1:108:A:LEU:HA	19	1.87
(1,905)	1:77:A:LEU:HD13	1:108:A:LEU:HA	19	1.87
(1,305)	1:59:A:GLU:HG2	1:60:A:VAL:HG21	15	1.87
(1,305)	1:59:A:GLU:HG2	1:60:A:VAL:HG22	15	1.87
(1,305)	1:59:A:GLU:HG2	1:60:A:VAL:HG23	15	1.87
(1,2775)	1:79:A:PHE:HD1	1:108:A:LEU:HD11	8	1.86
(1,2775)	1:79:A:PHE:HD1	1:108:A:LEU:HD12	8	1.86
(1,2775)	1:79:A:PHE:HD1	1:108:A:LEU:HD13	8	1.86
(1,2775)	1:79:A:PHE:HD2	1:108:A:LEU:HD11	8	1.86
(1,2775)	1:79:A:PHE:HD2	1:108:A:LEU:HD12	8	1.86
(1,2775)	1:79:A:PHE:HD2	1:108:A:LEU:HD13	8	1.86
(1,1510)	1:13:A:VAL:HB	1:102:A:VAL:HG21	3	1.86
(1,1510)	1:13:A:VAL:HB	1:102:A:VAL:HG22	3	1.86
(1,1510)	1:13:A:VAL:HB	1:102:A:VAL:HG23	3	1.86
(1,1510)	1:13:A:VAL:HB	1:102:A:VAL:HG21	16	1.86
(1,1510)	1:13:A:VAL:HB	1:102:A:VAL:HG22	16	1.86
(1,1510)	1:13:A:VAL:HB	1:102:A:VAL:HG23	16	1.86
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG21	8	1.86
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG22	8	1.86
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG23	8	1.86
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG21	8	1.86
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG22	8	1.86
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG23	8	1.86
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG21	8	1.86
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG22	8	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG23	8	1.86
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG21	16	1.86
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG22	16	1.86
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG23	16	1.86
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG21	16	1.86
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG22	16	1.86
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG23	16	1.86
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG21	16	1.86
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG22	16	1.86
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG23	16	1.86
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG21	20	1.86
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG22	20	1.86
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG23	20	1.86
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG21	20	1.86
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG22	20	1.86
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG23	20	1.86
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG21	20	1.86
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG22	20	1.86
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG23	20	1.86
(1,814)	1:61:A:VAL:HG11	1:89:A:ILE:HG12	12	1.86
(1,814)	1:61:A:VAL:HG12	1:89:A:ILE:HG12	12	1.86
(1,814)	1:61:A:VAL:HG13	1:89:A:ILE:HG12	12	1.86
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG21	4	1.86
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG22	4	1.86
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG23	4	1.86
(1,2730)	1:66:A:VAL:HG11	1:99:A:GLY:H	9	1.85
(1,2730)	1:66:A:VAL:HG12	1:99:A:GLY:H	9	1.85
(1,2730)	1:66:A:VAL:HG13	1:99:A:GLY:H	9	1.85
(1,2725)	1:16:A:LEU:HD21	1:99:A:GLY:H	8	1.85
(1,2725)	1:16:A:LEU:HD22	1:99:A:GLY:H	8	1.85
(1,2725)	1:16:A:LEU:HD23	1:99:A:GLY:H	8	1.85
(1,1510)	1:13:A:VAL:HB	1:102:A:VAL:HG21	8	1.85
(1,1510)	1:13:A:VAL:HB	1:102:A:VAL:HG22	8	1.85
(1,1510)	1:13:A:VAL:HB	1:102:A:VAL:HG23	8	1.85
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG11	8	1.85
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG12	8	1.85
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG13	8	1.85
(1,787)	1:79:A:PHE:HA	1:108:A:LEU:HD11	1	1.85
(1,787)	1:79:A:PHE:HA	1:108:A:LEU:HD12	1	1.85
(1,787)	1:79:A:PHE:HA	1:108:A:LEU:HD13	1	1.85
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG21	1	1.84
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG22	1	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG23	1	1.84
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG21	1	1.84
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG22	1	1.84
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG23	1	1.84
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG21	1	1.84
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG22	1	1.84
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG23	1	1.84
(1,1036)	1:26:A:LEU:HD11	1:48:A:PRO:HG3	19	1.84
(1,1036)	1:26:A:LEU:HD12	1:48:A:PRO:HG3	19	1.84
(1,1036)	1:26:A:LEU:HD13	1:48:A:PRO:HG3	19	1.84
(1,792)	1:79:A:PHE:HB2	1:108:A:LEU:HD11	1	1.84
(1,792)	1:79:A:PHE:HB2	1:108:A:LEU:HD12	1	1.84
(1,792)	1:79:A:PHE:HB2	1:108:A:LEU:HD13	1	1.84
(1,2725)	1:16:A:LEU:HD21	1:99:A:GLY:H	4	1.83
(1,2725)	1:16:A:LEU:HD22	1:99:A:GLY:H	4	1.83
(1,2725)	1:16:A:LEU:HD23	1:99:A:GLY:H	4	1.83
(1,2010)	1:108:A:LEU:HD21	1:111:A:ILE:HD11	16	1.83
(1,2010)	1:108:A:LEU:HD21	1:111:A:ILE:HD12	16	1.83
(1,2010)	1:108:A:LEU:HD21	1:111:A:ILE:HD13	16	1.83
(1,2010)	1:108:A:LEU:HD22	1:111:A:ILE:HD11	16	1.83
(1,2010)	1:108:A:LEU:HD22	1:111:A:ILE:HD12	16	1.83
(1,2010)	1:108:A:LEU:HD22	1:111:A:ILE:HD13	16	1.83
(1,2010)	1:108:A:LEU:HD23	1:111:A:ILE:HD11	16	1.83
(1,2010)	1:108:A:LEU:HD23	1:111:A:ILE:HD12	16	1.83
(1,2010)	1:108:A:LEU:HD23	1:111:A:ILE:HD13	16	1.83
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG11	3	1.83
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG12	3	1.83
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG13	3	1.83
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG11	8	1.83
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG12	8	1.83
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG13	8	1.83
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG11	8	1.83
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG12	8	1.83
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG13	8	1.83
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG11	8	1.83
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG12	8	1.83
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG13	8	1.83
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG11	9	1.83
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG12	9	1.83
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG13	9	1.83
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG11	9	1.83
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG12	9	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG13	9	1.83
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG11	9	1.83
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG12	9	1.83
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG13	9	1.83
(1,351)	1:102:A:VAL:HG21	1:103:A:GLU:HG2	11	1.83
(1,351)	1:102:A:VAL:HG22	1:103:A:GLU:HG2	11	1.83
(1,351)	1:102:A:VAL:HG23	1:103:A:GLU:HG2	11	1.83
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG21	9	1.83
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG22	9	1.83
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG23	9	1.83
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG21	16	1.83
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG22	16	1.83
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG23	16	1.83
(1,2775)	1:79:A:PHE:HD1	1:108:A:LEU:HD11	5	1.82
(1,2775)	1:79:A:PHE:HD1	1:108:A:LEU:HD12	5	1.82
(1,2775)	1:79:A:PHE:HD1	1:108:A:LEU:HD13	5	1.82
(1,2775)	1:79:A:PHE:HD2	1:108:A:LEU:HD11	5	1.82
(1,2775)	1:79:A:PHE:HD2	1:108:A:LEU:HD12	5	1.82
(1,2775)	1:79:A:PHE:HD2	1:108:A:LEU:HD13	5	1.82
(1,2725)	1:16:A:LEU:HD21	1:99:A:GLY:H	1	1.82
(1,2725)	1:16:A:LEU:HD22	1:99:A:GLY:H	1	1.82
(1,2725)	1:16:A:LEU:HD23	1:99:A:GLY:H	1	1.82
(1,2127)	1:50:A:ASN:H	1:51:A:VAL:HG21	10	1.82
(1,2127)	1:50:A:ASN:H	1:51:A:VAL:HG22	10	1.82
(1,2127)	1:50:A:ASN:H	1:51:A:VAL:HG23	10	1.82
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD11	14	1.82
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD12	14	1.82
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD13	14	1.82
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD11	14	1.82
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD12	14	1.82
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD13	14	1.82
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD11	14	1.82
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD12	14	1.82
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD13	14	1.82
(1,1217)	1:25:A:LEU:HD21	1:29:A:LYS:HE2	12	1.82
(1,1217)	1:25:A:LEU:HD21	1:29:A:LYS:HE3	12	1.82
(1,1217)	1:25:A:LEU:HD22	1:29:A:LYS:HE2	12	1.82
(1,1217)	1:25:A:LEU:HD22	1:29:A:LYS:HE3	12	1.82
(1,1217)	1:25:A:LEU:HD23	1:29:A:LYS:HE2	12	1.82
(1,1217)	1:25:A:LEU:HD23	1:29:A:LYS:HE3	12	1.82
(1,940)	1:7:A:PHE:HE2	1:77:A:LEU:HD21	3	1.82
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG11	19	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG12	19	1.82
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG13	19	1.82
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG11	11	1.82
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG12	11	1.82
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG13	11	1.82
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG11	18	1.82
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG12	18	1.82
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG13	18	1.82
(1,784)	1:78:A:PHE:H	1:108:A:LEU:HD11	1	1.82
(1,784)	1:78:A:PHE:H	1:108:A:LEU:HD12	1	1.82
(1,784)	1:78:A:PHE:H	1:108:A:LEU:HD13	1	1.82
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG21	13	1.82
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG22	13	1.82
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG23	13	1.82
(1,2127)	1:50:A:ASN:H	1:51:A:VAL:HG21	6	1.81
(1,2127)	1:50:A:ASN:H	1:51:A:VAL:HG22	6	1.81
(1,2127)	1:50:A:ASN:H	1:51:A:VAL:HG23	6	1.81
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG21	5	1.81
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG22	5	1.81
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG23	5	1.81
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG21	5	1.81
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG22	5	1.81
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG23	5	1.81
(1,1039)	1:26:A:LEU:HD11	1:47:A:THR:HA	15	1.81
(1,1039)	1:26:A:LEU:HD12	1:47:A:THR:HA	15	1.81
(1,1039)	1:26:A:LEU:HD13	1:47:A:THR:HA	15	1.81
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG11	4	1.8
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG12	4	1.8
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG13	4	1.8
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG11	4	1.8
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG12	4	1.8
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG13	4	1.8
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG11	4	1.8
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG12	4	1.8
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG13	4	1.8
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG21	17	1.8
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG22	17	1.8
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG23	17	1.8
(1,1209)	1:100:A:LYS:HD2	1:102:A:VAL:HG11	10	1.8
(1,1209)	1:100:A:LYS:HD2	1:102:A:VAL:HG12	10	1.8
(1,1209)	1:100:A:LYS:HD2	1:102:A:VAL:HG13	10	1.8
(1,1209)	1:100:A:LYS:HD3	1:102:A:VAL:HG11	10	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1209)	1:100:A:LYS:HD3	1:102:A:VAL:HG12	10	1.8
(1,1209)	1:100:A:LYS:HD3	1:102:A:VAL:HG13	10	1.8
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD21	8	1.8
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD22	8	1.8
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD23	8	1.8
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD21	8	1.8
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD22	8	1.8
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD23	8	1.8
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD21	8	1.8
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD22	8	1.8
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD23	8	1.8
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG11	12	1.8
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG12	12	1.8
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG13	12	1.8
(1,814)	1:61:A:VAL:HG11	1:89:A:ILE:HG12	15	1.8
(1,814)	1:61:A:VAL:HG12	1:89:A:ILE:HG12	15	1.8
(1,814)	1:61:A:VAL:HG13	1:89:A:ILE:HG12	15	1.8
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG11	4	1.8
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG12	4	1.8
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG13	4	1.8
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG21	12	1.8
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG22	12	1.8
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG23	12	1.8
(1,2165)	1:5:A:LEU:H	1:14:A:ILE:HG13	13	1.79
(1,2165)	1:5:A:LEU:H	1:14:A:ILE:HG13	16	1.79
(1,1714)	1:61:A:VAL:HG11	1:89:A:ILE:HB	4	1.79
(1,1714)	1:61:A:VAL:HG12	1:89:A:ILE:HB	4	1.79
(1,1714)	1:61:A:VAL:HG13	1:89:A:ILE:HB	4	1.79
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG21	11	1.79
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG22	11	1.79
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG23	11	1.79
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG21	11	1.79
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG22	11	1.79
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG23	11	1.79
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG21	11	1.79
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG22	11	1.79
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG23	11	1.79
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG21	12	1.79
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG22	12	1.79
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG23	12	1.79
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG21	12	1.79
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG22	12	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG23	12	1.79
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD21	11	1.79
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD22	11	1.79
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD23	11	1.79
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD21	11	1.79
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD22	11	1.79
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD23	11	1.79
(1,132)	1:106:A:GLU:HA	1:109:A:LYS:HE3	3	1.79
(1,1257)	1:5:A:LEU:HB2	1:117:A:VAL:HG21	5	1.78
(1,1257)	1:5:A:LEU:HB2	1:117:A:VAL:HG22	5	1.78
(1,1257)	1:5:A:LEU:HB2	1:117:A:VAL:HG23	5	1.78
(1,760)	1:5:A:LEU:HD21	1:12:A:CYS:HB3	5	1.78
(1,760)	1:5:A:LEU:HD22	1:12:A:CYS:HB3	5	1.78
(1,760)	1:5:A:LEU:HD23	1:12:A:CYS:HB3	5	1.78
(1,703)	1:81:A:LYS:HD2	1:85:A:SER:HB2	5	1.78
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG21	6	1.78
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG22	6	1.78
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG23	6	1.78
(1,2775)	1:79:A:PHE:HD1	1:108:A:LEU:HD11	16	1.77
(1,2775)	1:79:A:PHE:HD1	1:108:A:LEU:HD12	16	1.77
(1,2775)	1:79:A:PHE:HD1	1:108:A:LEU:HD13	16	1.77
(1,2775)	1:79:A:PHE:HD2	1:108:A:LEU:HD11	16	1.77
(1,2775)	1:79:A:PHE:HD2	1:108:A:LEU:HD12	16	1.77
(1,2775)	1:79:A:PHE:HD2	1:108:A:LEU:HD13	16	1.77
(1,1714)	1:61:A:VAL:HG11	1:89:A:ILE:HB	16	1.77
(1,1714)	1:61:A:VAL:HG12	1:89:A:ILE:HB	16	1.77
(1,1714)	1:61:A:VAL:HG13	1:89:A:ILE:HB	16	1.77
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG11	15	1.77
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG12	15	1.77
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG13	15	1.77
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG21	3	1.77
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG22	3	1.77
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG23	3	1.77
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG21	3	1.77
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG22	3	1.77
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG23	3	1.77
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG11	11	1.77
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG12	11	1.77
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG13	11	1.77
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG11	11	1.77
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG12	11	1.77
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG13	11	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG11	11	1.77
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG12	11	1.77
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG13	11	1.77
(1,1209)	1:100:A:LYS:HD2	1:102:A:VAL:HG11	3	1.77
(1,1209)	1:100:A:LYS:HD2	1:102:A:VAL:HG12	3	1.77
(1,1209)	1:100:A:LYS:HD2	1:102:A:VAL:HG13	3	1.77
(1,1209)	1:100:A:LYS:HD3	1:102:A:VAL:HG11	3	1.77
(1,1209)	1:100:A:LYS:HD3	1:102:A:VAL:HG12	3	1.77
(1,1209)	1:100:A:LYS:HD3	1:102:A:VAL:HG13	3	1.77
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG21	7	1.77
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG22	7	1.77
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG23	7	1.77
(1,940)	1:7:A:PHE:HE1	1:77:A:LEU:HD21	15	1.77
(1,814)	1:61:A:VAL:HG11	1:89:A:ILE:HG12	3	1.77
(1,814)	1:61:A:VAL:HG12	1:89:A:ILE:HG12	3	1.77
(1,814)	1:61:A:VAL:HG13	1:89:A:ILE:HG12	3	1.77
(1,814)	1:61:A:VAL:HG11	1:89:A:ILE:HG12	16	1.77
(1,814)	1:61:A:VAL:HG12	1:89:A:ILE:HG12	16	1.77
(1,814)	1:61:A:VAL:HG13	1:89:A:ILE:HG12	16	1.77
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG21	14	1.77
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG22	14	1.77
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG23	14	1.77
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG21	18	1.76
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG22	18	1.76
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG23	18	1.76
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG21	18	1.76
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG22	18	1.76
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG23	18	1.76
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG21	18	1.76
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG22	18	1.76
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG23	18	1.76
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG21	12	1.76
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG22	12	1.76
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG23	12	1.76
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG21	12	1.76
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG22	12	1.76
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG23	12	1.76
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG21	12	1.76
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG22	12	1.76
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG23	12	1.76
(1,1039)	1:26:A:LEU:HD11	1:47:A:THR:HA	4	1.76
(1,1039)	1:26:A:LEU:HD12	1:47:A:THR:HA	4	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1039)	1:26:A:LEU:HD13	1:47:A:THR:HA	4	1.76
(1,760)	1:5:A:LEU:HD21	1:12:A:CYS:HB3	2	1.76
(1,760)	1:5:A:LEU:HD22	1:12:A:CYS:HB3	2	1.76
(1,760)	1:5:A:LEU:HD23	1:12:A:CYS:HB3	2	1.76
(1,455)	1:102:A:VAL:HG21	1:103:A:GLU:HB3	11	1.76
(1,455)	1:102:A:VAL:HG22	1:103:A:GLU:HB3	11	1.76
(1,455)	1:102:A:VAL:HG23	1:103:A:GLU:HB3	11	1.76
(1,2725)	1:16:A:LEU:HD21	1:99:A:GLY:H	5	1.75
(1,2725)	1:16:A:LEU:HD22	1:99:A:GLY:H	5	1.75
(1,2725)	1:16:A:LEU:HD23	1:99:A:GLY:H	5	1.75
(1,1407)	1:22:A:VAL:HG11	1:26:A:LEU:HG	14	1.75
(1,1407)	1:22:A:VAL:HG12	1:26:A:LEU:HG	14	1.75
(1,1407)	1:22:A:VAL:HG13	1:26:A:LEU:HG	14	1.75
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG11	3	1.75
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG12	3	1.75
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG13	3	1.75
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG11	3	1.75
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG12	3	1.75
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG13	3	1.75
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG11	3	1.75
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG12	3	1.75
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG13	3	1.75
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG11	17	1.75
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG12	17	1.75
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG13	17	1.75
(1,902)	1:23:A:VAL:HG11	1:98:A:ILE:HB	1	1.75
(1,902)	1:23:A:VAL:HG12	1:98:A:ILE:HB	1	1.75
(1,902)	1:23:A:VAL:HG13	1:98:A:ILE:HB	1	1.75
(1,80)	1:2:A:ARG:HD2	1:15:A:ASP:HB3	13	1.75
(1,1706)	1:61:A:VAL:HG11	1:89:A:ILE:HA	1	1.74
(1,1706)	1:61:A:VAL:HG12	1:89:A:ILE:HA	1	1.74
(1,1706)	1:61:A:VAL:HG13	1:89:A:ILE:HA	1	1.74
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG21	12	1.74
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG22	12	1.74
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG23	12	1.74
(1,1217)	1:25:A:LEU:HD21	1:29:A:LYS:HE2	20	1.74
(1,1217)	1:25:A:LEU:HD21	1:29:A:LYS:HE3	20	1.74
(1,1217)	1:25:A:LEU:HD22	1:29:A:LYS:HE2	20	1.74
(1,1217)	1:25:A:LEU:HD22	1:29:A:LYS:HE3	20	1.74
(1,1217)	1:25:A:LEU:HD23	1:29:A:LYS:HE2	20	1.74
(1,1217)	1:25:A:LEU:HD23	1:29:A:LYS:HE3	20	1.74
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG11	3	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG12	3	1.74
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG13	3	1.74
(1,2730)	1:66:A:VAL:HG11	1:99:A:GLY:H	12	1.73
(1,2730)	1:66:A:VAL:HG12	1:99:A:GLY:H	12	1.73
(1,2730)	1:66:A:VAL:HG13	1:99:A:GLY:H	12	1.73
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG21	19	1.73
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG22	19	1.73
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG23	19	1.73
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG21	7	1.73
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG22	7	1.73
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG23	7	1.73
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG21	7	1.73
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG22	7	1.73
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG23	7	1.73
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG21	7	1.73
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG22	7	1.73
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG23	7	1.73
(1,1039)	1:26:A:LEU:HD11	1:47:A:THR:HA	13	1.73
(1,1039)	1:26:A:LEU:HD12	1:47:A:THR:HA	13	1.73
(1,1039)	1:26:A:LEU:HD13	1:47:A:THR:HA	13	1.73
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG11	8	1.73
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG12	8	1.73
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG13	8	1.73
(1,792)	1:79:A:PHE:HB2	1:108:A:LEU:HD11	13	1.73
(1,792)	1:79:A:PHE:HB2	1:108:A:LEU:HD12	13	1.73
(1,792)	1:79:A:PHE:HB2	1:108:A:LEU:HD13	13	1.73
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG11	19	1.72
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG12	19	1.72
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG13	19	1.72
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG11	19	1.72
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG12	19	1.72
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG13	19	1.72
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG11	19	1.72
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG12	19	1.72
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG13	19	1.72
(1,1082)	1:16:A:LEU:HD21	1:98:A:ILE:HG12	1	1.72
(1,1082)	1:16:A:LEU:HD21	1:98:A:ILE:HG13	1	1.72
(1,1082)	1:16:A:LEU:HD22	1:98:A:ILE:HG12	1	1.72
(1,1082)	1:16:A:LEU:HD22	1:98:A:ILE:HG13	1	1.72
(1,1082)	1:16:A:LEU:HD23	1:98:A:ILE:HG12	1	1.72
(1,1082)	1:16:A:LEU:HD23	1:98:A:ILE:HG13	1	1.72
(1,1032)	1:26:A:LEU:HD11	1:47:A:THR:HB	19	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1032)	1:26:A:LEU:HD12	1:47:A:THR:HB	19	1.72
(1,1032)	1:26:A:LEU:HD13	1:47:A:THR:HB	19	1.72
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG11	1	1.72
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG12	1	1.72
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG13	1	1.72
(1,787)	1:79:A:PHE:HA	1:108:A:LEU:HD11	6	1.72
(1,787)	1:79:A:PHE:HA	1:108:A:LEU:HD12	6	1.72
(1,787)	1:79:A:PHE:HA	1:108:A:LEU:HD13	6	1.72
(1,2693)	1:17:A:ASN:HD21	1:19:A:GLU:HB3	15	1.71
(1,2165)	1:5:A:LEU:H	1:14:A:ILE:HG13	19	1.71
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD11	2	1.71
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD12	2	1.71
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD13	2	1.71
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD11	2	1.71
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD12	2	1.71
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD13	2	1.71
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD11	2	1.71
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD12	2	1.71
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD13	2	1.71
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG11	7	1.71
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG12	7	1.71
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG13	7	1.71
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD21	16	1.71
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD22	16	1.71
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD23	16	1.71
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD21	16	1.71
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD22	16	1.71
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD23	16	1.71
(1,902)	1:23:A:VAL:HG11	1:98:A:ILE:HB	10	1.71
(1,902)	1:23:A:VAL:HG12	1:98:A:ILE:HB	10	1.71
(1,902)	1:23:A:VAL:HG13	1:98:A:ILE:HB	10	1.71
(1,787)	1:79:A:PHE:HA	1:108:A:LEU:HD11	13	1.71
(1,787)	1:79:A:PHE:HA	1:108:A:LEU:HD12	13	1.71
(1,787)	1:79:A:PHE:HA	1:108:A:LEU:HD13	13	1.71
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD11	6	1.7
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD12	6	1.7
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD13	6	1.7
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD11	6	1.7
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD12	6	1.7
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD13	6	1.7
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD11	6	1.7
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD12	6	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD13	6	1.7
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG11	19	1.7
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG12	19	1.7
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG13	19	1.7
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG11	20	1.7
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG12	20	1.7
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG13	20	1.7
(1,1234)	1:7:A:PHE:HE1	1:108:A:LEU:HD23	6	1.7
(1,1040)	1:26:A:LEU:HD11	1:48:A:PRO:HD3	13	1.7
(1,1040)	1:26:A:LEU:HD12	1:48:A:PRO:HD3	13	1.7
(1,1040)	1:26:A:LEU:HD13	1:48:A:PRO:HD3	13	1.7
(1,1039)	1:26:A:LEU:HD11	1:47:A:THR:HA	1	1.7
(1,1039)	1:26:A:LEU:HD12	1:47:A:THR:HA	1	1.7
(1,1039)	1:26:A:LEU:HD13	1:47:A:THR:HA	1	1.7
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG11	13	1.7
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG12	13	1.7
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG13	13	1.7
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG11	7	1.7
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG12	7	1.7
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG13	7	1.7
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG21	9	1.7
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG22	9	1.7
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG23	9	1.7
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD11	10	1.69
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD12	10	1.69
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD13	10	1.69
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD11	10	1.69
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD12	10	1.69
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD13	10	1.69
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD11	10	1.69
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD12	10	1.69
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD13	10	1.69
(1,1510)	1:13:A:VAL:HB	1:102:A:VAL:HG21	10	1.69
(1,1510)	1:13:A:VAL:HB	1:102:A:VAL:HG22	10	1.69
(1,1510)	1:13:A:VAL:HB	1:102:A:VAL:HG23	10	1.69
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG11	16	1.69
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG12	16	1.69
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG13	16	1.69
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG11	16	1.69
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG12	16	1.69
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG13	16	1.69
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG11	16	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG12	16	1.69
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG13	16	1.69
(1,1221)	1:50:A:ASN:HA	1:51:A:VAL:HG21	7	1.69
(1,1221)	1:50:A:ASN:HA	1:51:A:VAL:HG22	7	1.69
(1,1221)	1:50:A:ASN:HA	1:51:A:VAL:HG23	7	1.69
(1,902)	1:23:A:VAL:HG11	1:98:A:ILE:HB	19	1.69
(1,902)	1:23:A:VAL:HG12	1:98:A:ILE:HB	19	1.69
(1,902)	1:23:A:VAL:HG13	1:98:A:ILE:HB	19	1.69
(1,521)	1:51:A:VAL:HG11	1:53:A:LYS:HB2	13	1.69
(1,521)	1:51:A:VAL:HG12	1:53:A:LYS:HB2	13	1.69
(1,521)	1:51:A:VAL:HG13	1:53:A:LYS:HB2	13	1.69
(1,287)	1:7:A:PHE:HB2	1:8:A:GLU:HG3	7	1.69
(1,2876)	1:69:A:TRP:HD1	1:95:A:VAL:HG11	19	1.68
(1,2876)	1:69:A:TRP:HD1	1:95:A:VAL:HG12	19	1.68
(1,2876)	1:69:A:TRP:HD1	1:95:A:VAL:HG13	19	1.68
(1,2725)	1:16:A:LEU:HD21	1:99:A:GLY:H	17	1.68
(1,2725)	1:16:A:LEU:HD22	1:99:A:GLY:H	17	1.68
(1,2725)	1:16:A:LEU:HD23	1:99:A:GLY:H	17	1.68
(1,2165)	1:5:A:LEU:H	1:14:A:ILE:HG13	12	1.68
(1,1706)	1:61:A:VAL:HG11	1:89:A:ILE:HA	11	1.68
(1,1706)	1:61:A:VAL:HG12	1:89:A:ILE:HA	11	1.68
(1,1706)	1:61:A:VAL:HG13	1:89:A:ILE:HA	11	1.68
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG21	19	1.68
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG22	19	1.68
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG23	19	1.68
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG21	19	1.68
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG22	19	1.68
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG23	19	1.68
(1,1209)	1:100:A:LYS:HD2	1:102:A:VAL:HG11	8	1.68
(1,1209)	1:100:A:LYS:HD2	1:102:A:VAL:HG12	8	1.68
(1,1209)	1:100:A:LYS:HD2	1:102:A:VAL:HG13	8	1.68
(1,1209)	1:100:A:LYS:HD3	1:102:A:VAL:HG11	8	1.68
(1,1209)	1:100:A:LYS:HD3	1:102:A:VAL:HG12	8	1.68
(1,1209)	1:100:A:LYS:HD3	1:102:A:VAL:HG13	8	1.68
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG11	3	1.68
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG12	3	1.68
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG13	3	1.68
(1,792)	1:79:A:PHE:HB2	1:108:A:LEU:HD11	6	1.68
(1,792)	1:79:A:PHE:HB2	1:108:A:LEU:HD12	6	1.68
(1,792)	1:79:A:PHE:HB2	1:108:A:LEU:HD13	6	1.68
(1,2775)	1:79:A:PHE:HD1	1:108:A:LEU:HD11	13	1.67
(1,2775)	1:79:A:PHE:HD1	1:108:A:LEU:HD12	13	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2775)	1:79:A:PHE:HD1	1:108:A:LEU:HD13	13	1.67
(1,2775)	1:79:A:PHE:HD2	1:108:A:LEU:HD11	13	1.67
(1,2775)	1:79:A:PHE:HD2	1:108:A:LEU:HD12	13	1.67
(1,2775)	1:79:A:PHE:HD2	1:108:A:LEU:HD13	13	1.67
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG11	13	1.67
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG12	13	1.67
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG13	13	1.67
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG11	13	1.67
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG12	13	1.67
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG13	13	1.67
(1,2732)	1:22:A:VAL:HG21	1:96:A:ASN:HD22	6	1.67
(1,2732)	1:22:A:VAL:HG22	1:96:A:ASN:HD22	6	1.67
(1,2732)	1:22:A:VAL:HG23	1:96:A:ASN:HD22	6	1.67
(1,2725)	1:16:A:LEU:HD21	1:99:A:GLY:H	10	1.67
(1,2725)	1:16:A:LEU:HD22	1:99:A:GLY:H	10	1.67
(1,2725)	1:16:A:LEU:HD23	1:99:A:GLY:H	10	1.67
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG21	20	1.67
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG22	20	1.67
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG23	20	1.67
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG21	20	1.67
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG22	20	1.67
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG23	20	1.67
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG21	20	1.67
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG22	20	1.67
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG23	20	1.67
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG11	12	1.67
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG12	12	1.67
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG13	12	1.67
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG11	12	1.67
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG12	12	1.67
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG13	12	1.67
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG11	12	1.67
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG12	12	1.67
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG13	12	1.67
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD21	6	1.67
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD22	6	1.67
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD23	6	1.67
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD21	18	1.67
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD22	18	1.67
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD23	18	1.67
(1,902)	1:23:A:VAL:HG11	1:98:A:ILE:HB	7	1.67
(1,902)	1:23:A:VAL:HG12	1:98:A:ILE:HB	7	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,902)	1:23:A:VAL:HG13	1:98:A:ILE:HB	7	1.67
(1,902)	1:23:A:VAL:HG11	1:98:A:ILE:HB	18	1.67
(1,902)	1:23:A:VAL:HG12	1:98:A:ILE:HB	18	1.67
(1,902)	1:23:A:VAL:HG13	1:98:A:ILE:HB	18	1.67
(1,814)	1:61:A:VAL:HG11	1:89:A:ILE:HG12	20	1.67
(1,814)	1:61:A:VAL:HG12	1:89:A:ILE:HG12	20	1.67
(1,814)	1:61:A:VAL:HG13	1:89:A:ILE:HG12	20	1.67
(1,784)	1:78:A:PHE:H	1:108:A:LEU:HD11	13	1.67
(1,784)	1:78:A:PHE:H	1:108:A:LEU:HD12	13	1.67
(1,784)	1:78:A:PHE:H	1:108:A:LEU:HD13	13	1.67
(1,730)	1:7:A:PHE:HE2	1:77:A:LEU:HG	7	1.67
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG21	5	1.67
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG22	5	1.67
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG23	5	1.67
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD11	8	1.66
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD12	8	1.66
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD13	8	1.66
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD11	8	1.66
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD12	8	1.66
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD13	8	1.66
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD11	8	1.66
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD12	8	1.66
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD13	8	1.66
(1,1512)	1:13:A:VAL:H	1:102:A:VAL:HG21	14	1.66
(1,1512)	1:13:A:VAL:H	1:102:A:VAL:HG22	14	1.66
(1,1512)	1:13:A:VAL:H	1:102:A:VAL:HG23	14	1.66
(1,1352)	1:5:A:LEU:HD11	1:119:A:VAL:HA	5	1.66
(1,1352)	1:5:A:LEU:HD12	1:119:A:VAL:HA	5	1.66
(1,1352)	1:5:A:LEU:HD13	1:119:A:VAL:HA	5	1.66
(1,1217)	1:25:A:LEU:HD21	1:29:A:LYS:HE2	11	1.66
(1,1217)	1:25:A:LEU:HD21	1:29:A:LYS:HE3	11	1.66
(1,1217)	1:25:A:LEU:HD22	1:29:A:LYS:HE2	11	1.66
(1,1217)	1:25:A:LEU:HD22	1:29:A:LYS:HE3	11	1.66
(1,1217)	1:25:A:LEU:HD23	1:29:A:LYS:HE2	11	1.66
(1,1217)	1:25:A:LEU:HD23	1:29:A:LYS:HE3	11	1.66
(1,2165)	1:5:A:LEU:H	1:14:A:ILE:HG13	1	1.65
(1,2010)	1:108:A:LEU:HD21	1:111:A:ILE:HD11	8	1.65
(1,2010)	1:108:A:LEU:HD21	1:111:A:ILE:HD12	8	1.65
(1,2010)	1:108:A:LEU:HD21	1:111:A:ILE:HD13	8	1.65
(1,2010)	1:108:A:LEU:HD22	1:111:A:ILE:HD11	8	1.65
(1,2010)	1:108:A:LEU:HD22	1:111:A:ILE:HD12	8	1.65
(1,2010)	1:108:A:LEU:HD22	1:111:A:ILE:HD13	8	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2010)	1:108:A:LEU:HD23	1:111:A:ILE:HD11	8	1.65
(1,2010)	1:108:A:LEU:HD23	1:111:A:ILE:HD12	8	1.65
(1,2010)	1:108:A:LEU:HD23	1:111:A:ILE:HD13	8	1.65
(1,1714)	1:61:A:VAL:HG11	1:89:A:ILE:HB	13	1.65
(1,1714)	1:61:A:VAL:HG12	1:89:A:ILE:HB	13	1.65
(1,1714)	1:61:A:VAL:HG13	1:89:A:ILE:HB	13	1.65
(1,1706)	1:61:A:VAL:HG11	1:89:A:ILE:HA	8	1.65
(1,1706)	1:61:A:VAL:HG12	1:89:A:ILE:HA	8	1.65
(1,1706)	1:61:A:VAL:HG13	1:89:A:ILE:HA	8	1.65
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG21	8	1.65
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG22	8	1.65
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG23	8	1.65
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG21	8	1.65
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG22	8	1.65
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG23	8	1.65
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG21	8	1.65
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG22	8	1.65
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG23	8	1.65
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG21	19	1.65
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG22	19	1.65
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG23	19	1.65
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG21	19	1.65
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG22	19	1.65
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG23	19	1.65
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG21	19	1.65
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG22	19	1.65
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG23	19	1.65
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG11	4	1.65
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG12	4	1.65
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG13	4	1.65
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG11	10	1.65
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG12	10	1.65
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG13	10	1.65
(1,1352)	1:5:A:LEU:HD11	1:119:A:VAL:HA	16	1.65
(1,1352)	1:5:A:LEU:HD12	1:119:A:VAL:HA	16	1.65
(1,1352)	1:5:A:LEU:HD13	1:119:A:VAL:HA	16	1.65
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG11	6	1.65
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG12	6	1.65
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG13	6	1.65
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG11	6	1.65
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG12	6	1.65
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG13	6	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG11	6	1.65
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG12	6	1.65
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG13	6	1.65
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG11	20	1.65
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG12	20	1.65
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG13	20	1.65
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG11	20	1.65
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG12	20	1.65
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG13	20	1.65
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG11	20	1.65
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG12	20	1.65
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG13	20	1.65
(1,1221)	1:50:A:ASN:HA	1:51:A:VAL:HG21	4	1.65
(1,1221)	1:50:A:ASN:HA	1:51:A:VAL:HG22	4	1.65
(1,1221)	1:50:A:ASN:HA	1:51:A:VAL:HG23	4	1.65
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD21	20	1.65
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD22	20	1.65
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD23	20	1.65
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD21	20	1.65
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD22	20	1.65
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD23	20	1.65
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD21	20	1.65
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD22	20	1.65
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD23	20	1.65
(1,902)	1:23:A:VAL:HG11	1:98:A:ILE:HB	11	1.65
(1,902)	1:23:A:VAL:HG12	1:98:A:ILE:HB	11	1.65
(1,902)	1:23:A:VAL:HG13	1:98:A:ILE:HB	11	1.65
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG21	10	1.65
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG22	10	1.65
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG23	10	1.65
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG21	19	1.65
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG22	19	1.65
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG23	19	1.65
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD11	11	1.64
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD12	11	1.64
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD13	11	1.64
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD11	11	1.64
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD12	11	1.64
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD13	11	1.64
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD11	11	1.64
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD12	11	1.64
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD13	11	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1714)	1:61:A:VAL:HG11	1:89:A:ILE:HB	9	1.64
(1,1714)	1:61:A:VAL:HG12	1:89:A:ILE:HB	9	1.64
(1,1714)	1:61:A:VAL:HG13	1:89:A:ILE:HB	9	1.64
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG21	16	1.64
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG22	16	1.64
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG23	16	1.64
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG21	16	1.64
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG22	16	1.64
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG23	16	1.64
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG21	16	1.64
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG22	16	1.64
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG23	16	1.64
(1,1298)	1:22:A:VAL:HG21	1:96:A:ASN:HD21	15	1.64
(1,1298)	1:22:A:VAL:HG22	1:96:A:ASN:HD21	15	1.64
(1,1298)	1:22:A:VAL:HG23	1:96:A:ASN:HD21	15	1.64
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG21	3	1.64
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG22	3	1.64
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG23	3	1.64
(1,760)	1:5:A:LEU:HD21	1:12:A:CYS:HB3	7	1.64
(1,760)	1:5:A:LEU:HD22	1:12:A:CYS:HB3	7	1.64
(1,760)	1:5:A:LEU:HD23	1:12:A:CYS:HB3	7	1.64
(1,703)	1:81:A:LYS:HD2	1:85:A:SER:HB2	3	1.64
(1,231)	1:65:A:ASP:H	1:78:A:PHE:HB3	6	1.64
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG21	14	1.64
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG22	14	1.64
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG23	14	1.64
(1,77)	1:2:A:ARG:HD3	1:15:A:ASP:HB3	9	1.64
(1,2165)	1:5:A:LEU:H	1:14:A:ILE:HG13	10	1.63
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD11	7	1.63
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD12	7	1.63
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD13	7	1.63
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD11	7	1.63
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD12	7	1.63
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD13	7	1.63
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD11	7	1.63
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD12	7	1.63
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD13	7	1.63
(1,1230)	1:66:A:VAL:HG21	1:100:A:LYS:HA	6	1.63
(1,1230)	1:66:A:VAL:HG22	1:100:A:LYS:HA	6	1.63
(1,1230)	1:66:A:VAL:HG23	1:100:A:LYS:HA	6	1.63
(1,1036)	1:26:A:LEU:HD11	1:48:A:PRO:HG3	13	1.63
(1,1036)	1:26:A:LEU:HD12	1:48:A:PRO:HG3	13	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1036)	1:26:A:LEU:HD13	1:48:A:PRO:HG3	13	1.63
(1,902)	1:23:A:VAL:HG11	1:98:A:ILE:HB	15	1.63
(1,902)	1:23:A:VAL:HG12	1:98:A:ILE:HB	15	1.63
(1,902)	1:23:A:VAL:HG13	1:98:A:ILE:HB	15	1.63
(1,2789)	1:7:A:PHE:HE1	1:12:A:CYS:HB3	13	1.62
(1,2789)	1:7:A:PHE:HE2	1:12:A:CYS:HB3	13	1.62
(1,2789)	1:7:A:PHE:HE1	1:12:A:CYS:HB3	16	1.62
(1,2789)	1:7:A:PHE:HE2	1:12:A:CYS:HB3	16	1.62
(1,2687)	1:104:A:GLY:H	1:107:A:ASP:HB2	17	1.62
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD11	16	1.62
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD12	16	1.62
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD13	16	1.62
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD11	16	1.62
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD12	16	1.62
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD13	16	1.62
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD11	16	1.62
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD12	16	1.62
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD13	16	1.62
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD11	18	1.62
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD12	18	1.62
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD13	18	1.62
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD11	18	1.62
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD12	18	1.62
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD13	18	1.62
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD11	18	1.62
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD12	18	1.62
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD13	18	1.62
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG21	2	1.62
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG22	2	1.62
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG23	2	1.62
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG21	2	1.62
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG22	2	1.62
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG23	2	1.62
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG21	2	1.62
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG22	2	1.62
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG23	2	1.62
(1,1352)	1:5:A:LEU:HD11	1:119:A:VAL:HA	2	1.62
(1,1352)	1:5:A:LEU:HD12	1:119:A:VAL:HA	2	1.62
(1,1352)	1:5:A:LEU:HD13	1:119:A:VAL:HA	2	1.62
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG21	4	1.62
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG22	4	1.62
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG23	4	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,521)	1:51:A:VAL:HG11	1:53:A:LYS:HB2	10	1.62
(1,521)	1:51:A:VAL:HG12	1:53:A:LYS:HB2	10	1.62
(1,521)	1:51:A:VAL:HG13	1:53:A:LYS:HB2	10	1.62
(1,462)	1:22:A:VAL:HG11	1:49:A:VAL:HB	7	1.62
(1,462)	1:22:A:VAL:HG12	1:49:A:VAL:HB	7	1.62
(1,462)	1:22:A:VAL:HG13	1:49:A:VAL:HB	7	1.62
(1,385)	1:60:A:VAL:HG11	1:62:A:GLU:HG2	18	1.62
(1,385)	1:60:A:VAL:HG12	1:62:A:GLU:HG2	18	1.62
(1,385)	1:60:A:VAL:HG13	1:62:A:GLU:HG2	18	1.62
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG21	1	1.62
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG22	1	1.62
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG23	1	1.62
(1,2693)	1:17:A:ASN:HD21	1:19:A:GLU:HB3	9	1.61
(1,2165)	1:5:A:LEU:H	1:14:A:ILE:HG13	9	1.61
(1,1512)	1:13:A:VAL:H	1:102:A:VAL:HG21	11	1.61
(1,1512)	1:13:A:VAL:H	1:102:A:VAL:HG22	11	1.61
(1,1512)	1:13:A:VAL:H	1:102:A:VAL:HG23	11	1.61
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG21	20	1.61
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG22	20	1.61
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG23	20	1.61
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG21	20	1.61
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG22	20	1.61
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG23	20	1.61
(1,1057)	1:85:A:SER:HB2	1:90:A:GLN:HB2	20	1.61
(1,814)	1:61:A:VAL:HG11	1:89:A:ILE:HG12	11	1.61
(1,814)	1:61:A:VAL:HG12	1:89:A:ILE:HG12	11	1.61
(1,814)	1:61:A:VAL:HG13	1:89:A:ILE:HG12	11	1.61
(1,80)	1:2:A:ARG:HD2	1:15:A:ASP:HB3	8	1.61
(1,1706)	1:61:A:VAL:HG11	1:89:A:ILE:HA	7	1.6
(1,1706)	1:61:A:VAL:HG12	1:89:A:ILE:HA	7	1.6
(1,1706)	1:61:A:VAL:HG13	1:89:A:ILE:HA	7	1.6
(1,1032)	1:26:A:LEU:HD11	1:47:A:THR:HB	13	1.6
(1,1032)	1:26:A:LEU:HD12	1:47:A:THR:HB	13	1.6
(1,1032)	1:26:A:LEU:HD13	1:47:A:THR:HB	13	1.6
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD21	13	1.6
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD22	13	1.6
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD23	13	1.6
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD21	13	1.6
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD22	13	1.6
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD23	13	1.6
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD21	19	1.6
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD22	19	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD23	19	1.6
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD21	14	1.6
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD22	14	1.6
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD23	14	1.6
(1,905)	1:77:A:LEU:HD11	1:108:A:LEU:HA	9	1.6
(1,905)	1:77:A:LEU:HD12	1:108:A:LEU:HA	9	1.6
(1,905)	1:77:A:LEU:HD13	1:108:A:LEU:HA	9	1.6
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG21	8	1.59
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG22	8	1.59
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG23	8	1.59
(1,1266)	1:119:A:VAL:HG21	1:120:A:ARG:HA	17	1.59
(1,1266)	1:119:A:VAL:HG22	1:120:A:ARG:HA	17	1.59
(1,1266)	1:119:A:VAL:HG23	1:120:A:ARG:HA	17	1.59
(1,1239)	1:108:A:LEU:HD21	1:110:A:LYS:HG2	12	1.59
(1,1239)	1:108:A:LEU:HD22	1:110:A:LYS:HG2	12	1.59
(1,1239)	1:108:A:LEU:HD23	1:110:A:LYS:HG2	12	1.59
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG21	11	1.59
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG22	11	1.59
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG23	11	1.59
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD21	19	1.59
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD22	19	1.59
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD23	19	1.59
(1,902)	1:23:A:VAL:HG11	1:98:A:ILE:HB	2	1.59
(1,902)	1:23:A:VAL:HG12	1:98:A:ILE:HB	2	1.59
(1,902)	1:23:A:VAL:HG13	1:98:A:ILE:HB	2	1.59
(1,465)	1:58:A:ARG:HB3	1:95:A:VAL:HG21	12	1.59
(1,465)	1:58:A:ARG:HB3	1:95:A:VAL:HG22	12	1.59
(1,465)	1:58:A:ARG:HB3	1:95:A:VAL:HG23	12	1.59
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG2	4	1.59
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG3	4	1.59
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG2	9	1.59
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG3	9	1.59
(1,231)	1:65:A:ASP:H	1:78:A:PHE:HB3	18	1.59
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG21	1	1.59
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG22	1	1.59
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG23	1	1.59
(1,2732)	1:22:A:VAL:HG21	1:96:A:ASN:HD22	5	1.58
(1,2732)	1:22:A:VAL:HG22	1:96:A:ASN:HD22	5	1.58
(1,2732)	1:22:A:VAL:HG23	1:96:A:ASN:HD22	5	1.58
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG21	12	1.58
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG22	12	1.58
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG23	12	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG21	12	1.58
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG22	12	1.58
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG23	12	1.58
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG21	12	1.58
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG22	12	1.58
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG23	12	1.58
(1,1512)	1:13:A:VAL:H	1:102:A:VAL:HG21	3	1.58
(1,1512)	1:13:A:VAL:H	1:102:A:VAL:HG22	3	1.58
(1,1512)	1:13:A:VAL:H	1:102:A:VAL:HG23	3	1.58
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG11	18	1.58
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG12	18	1.58
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG13	18	1.58
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG11	18	1.58
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG12	18	1.58
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG13	18	1.58
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG11	18	1.58
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG12	18	1.58
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG13	18	1.58
(1,1036)	1:26:A:LEU:HD11	1:48:A:PRO:HG3	14	1.58
(1,1036)	1:26:A:LEU:HD12	1:48:A:PRO:HG3	14	1.58
(1,1036)	1:26:A:LEU:HD13	1:48:A:PRO:HG3	14	1.58
(1,1032)	1:26:A:LEU:HD11	1:47:A:THR:HB	15	1.58
(1,1032)	1:26:A:LEU:HD12	1:47:A:THR:HB	15	1.58
(1,1032)	1:26:A:LEU:HD13	1:47:A:THR:HB	15	1.58
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG11	4	1.58
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG12	4	1.58
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG13	4	1.58
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG11	10	1.58
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG12	10	1.58
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG13	10	1.58
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG11	16	1.58
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG12	16	1.58
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG13	16	1.58
(1,31)	1:1:A:MET:HB2	1:16:A:LEU:HB3	8	1.58
(1,31)	1:1:A:MET:HB3	1:16:A:LEU:HB3	8	1.58
(1,2165)	1:5:A:LEU:H	1:14:A:ILE:HG13	14	1.57
(1,1352)	1:5:A:LEU:HD11	1:119:A:VAL:HA	4	1.57
(1,1352)	1:5:A:LEU:HD12	1:119:A:VAL:HA	4	1.57
(1,1352)	1:5:A:LEU:HD13	1:119:A:VAL:HA	4	1.57
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG11	17	1.57
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG12	17	1.57
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG13	17	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG11	17	1.57
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG12	17	1.57
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG13	17	1.57
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG11	17	1.57
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG12	17	1.57
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG13	17	1.57
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG21	16	1.57
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG22	16	1.57
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG23	16	1.57
(1,1209)	1:100:A:LYS:HD2	1:102:A:VAL:HG11	14	1.57
(1,1209)	1:100:A:LYS:HD2	1:102:A:VAL:HG12	14	1.57
(1,1209)	1:100:A:LYS:HD2	1:102:A:VAL:HG13	14	1.57
(1,1209)	1:100:A:LYS:HD3	1:102:A:VAL:HG11	14	1.57
(1,1209)	1:100:A:LYS:HD3	1:102:A:VAL:HG12	14	1.57
(1,1209)	1:100:A:LYS:HD3	1:102:A:VAL:HG13	14	1.57
(1,1082)	1:16:A:LEU:HD21	1:98:A:ILE:HG12	4	1.57
(1,1082)	1:16:A:LEU:HD21	1:98:A:ILE:HG13	4	1.57
(1,1082)	1:16:A:LEU:HD22	1:98:A:ILE:HG12	4	1.57
(1,1082)	1:16:A:LEU:HD22	1:98:A:ILE:HG13	4	1.57
(1,1082)	1:16:A:LEU:HD23	1:98:A:ILE:HG12	4	1.57
(1,1082)	1:16:A:LEU:HD23	1:98:A:ILE:HG13	4	1.57
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD21	8	1.57
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD22	8	1.57
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD23	8	1.57
(1,905)	1:77:A:LEU:HD11	1:108:A:LEU:HA	7	1.57
(1,905)	1:77:A:LEU:HD12	1:108:A:LEU:HA	7	1.57
(1,905)	1:77:A:LEU:HD13	1:108:A:LEU:HA	7	1.57
(1,902)	1:23:A:VAL:HG11	1:98:A:ILE:HB	8	1.57
(1,902)	1:23:A:VAL:HG12	1:98:A:ILE:HB	8	1.57
(1,902)	1:23:A:VAL:HG13	1:98:A:ILE:HB	8	1.57
(1,902)	1:23:A:VAL:HG11	1:98:A:ILE:HB	16	1.57
(1,902)	1:23:A:VAL:HG12	1:98:A:ILE:HB	16	1.57
(1,902)	1:23:A:VAL:HG13	1:98:A:ILE:HB	16	1.57
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG11	2	1.57
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG12	2	1.57
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG13	2	1.57
(1,784)	1:78:A:PHE:H	1:108:A:LEU:HD11	6	1.57
(1,784)	1:78:A:PHE:H	1:108:A:LEU:HD12	6	1.57
(1,784)	1:78:A:PHE:H	1:108:A:LEU:HD13	6	1.57
(1,627)	1:22:A:VAL:HB	1:51:A:VAL:HG11	9	1.57
(1,627)	1:22:A:VAL:HB	1:51:A:VAL:HG12	9	1.57
(1,627)	1:22:A:VAL:HB	1:51:A:VAL:HG13	9	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,80)	1:2:A:ARG:HD2	1:15:A:ASP:HB3	3	1.57
(1,1693)	1:27:A:LYS:HG3	1:28:A:GLU:HA	6	1.56
(1,1345)	1:2:A:ARG:HE	1:13:A:VAL:HG21	17	1.56
(1,1345)	1:2:A:ARG:HE	1:13:A:VAL:HG22	17	1.56
(1,1345)	1:2:A:ARG:HE	1:13:A:VAL:HG23	17	1.56
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG21	9	1.56
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG22	9	1.56
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG23	9	1.56
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG21	9	1.56
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG22	9	1.56
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG23	9	1.56
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG21	9	1.56
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG22	9	1.56
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG23	9	1.56
(1,938)	1:66:A:VAL:HA	1:77:A:LEU:HD21	16	1.56
(1,938)	1:66:A:VAL:HA	1:77:A:LEU:HD22	16	1.56
(1,938)	1:66:A:VAL:HA	1:77:A:LEU:HD23	16	1.56
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG11	5	1.56
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG12	5	1.56
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG13	5	1.56
(1,751)	1:5:A:LEU:HD23	1:7:A:PHE:HE2	3	1.56
(1,740)	1:2:A:ARG:HG3	1:16:A:LEU:H	4	1.56
(1,596)	1:12:A:CYS:HB2	1:103:A:GLU:H	13	1.56
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG21	8	1.56
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG22	8	1.56
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG23	8	1.56
(1,2010)	1:108:A:LEU:HD21	1:111:A:ILE:HD11	12	1.55
(1,2010)	1:108:A:LEU:HD21	1:111:A:ILE:HD12	12	1.55
(1,2010)	1:108:A:LEU:HD21	1:111:A:ILE:HD13	12	1.55
(1,2010)	1:108:A:LEU:HD22	1:111:A:ILE:HD11	12	1.55
(1,2010)	1:108:A:LEU:HD22	1:111:A:ILE:HD12	12	1.55
(1,2010)	1:108:A:LEU:HD22	1:111:A:ILE:HD13	12	1.55
(1,2010)	1:108:A:LEU:HD23	1:111:A:ILE:HD11	12	1.55
(1,2010)	1:108:A:LEU:HD23	1:111:A:ILE:HD12	12	1.55
(1,2010)	1:108:A:LEU:HD23	1:111:A:ILE:HD13	12	1.55
(1,1352)	1:5:A:LEU:HD11	1:119:A:VAL:HA	15	1.55
(1,1352)	1:5:A:LEU:HD12	1:119:A:VAL:HA	15	1.55
(1,1352)	1:5:A:LEU:HD13	1:119:A:VAL:HA	15	1.55
(1,1257)	1:5:A:LEU:HB2	1:117:A:VAL:HG21	2	1.55
(1,1257)	1:5:A:LEU:HB2	1:117:A:VAL:HG22	2	1.55
(1,1257)	1:5:A:LEU:HB2	1:117:A:VAL:HG23	2	1.55
(1,1056)	1:85:A:SER:HB2	1:86:A:ASP:HA	14	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,902)	1:23:A:VAL:HG11	1:98:A:ILE:HB	20	1.55
(1,902)	1:23:A:VAL:HG12	1:98:A:ILE:HB	20	1.55
(1,902)	1:23:A:VAL:HG13	1:98:A:ILE:HB	20	1.55
(1,730)	1:7:A:PHE:HE1	1:77:A:LEU:HG	5	1.55
(1,633)	1:56:A:ASN:HB2	1:97:A:VAL:HB	4	1.55
(1,175)	1:65:A:ASP:HB2	1:97:A:VAL:HA	12	1.55
(1,2894)	1:39:A:TRP:HZ3	1:84:A:MET:HB3	4	1.54
(1,2693)	1:17:A:ASN:HD21	1:19:A:GLU:HB3	18	1.54
(1,2165)	1:5:A:LEU:H	1:14:A:ILE:HG13	7	1.54
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD11	4	1.54
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD12	4	1.54
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD13	4	1.54
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD11	4	1.54
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD12	4	1.54
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD13	4	1.54
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD11	4	1.54
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD12	4	1.54
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD13	4	1.54
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG21	10	1.54
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG22	10	1.54
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG23	10	1.54
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG21	10	1.54
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG22	10	1.54
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG23	10	1.54
(1,1266)	1:119:A:VAL:HG21	1:120:A:ARG:HA	4	1.54
(1,1266)	1:119:A:VAL:HG22	1:120:A:ARG:HA	4	1.54
(1,1266)	1:119:A:VAL:HG23	1:120:A:ARG:HA	4	1.54
(1,1266)	1:119:A:VAL:HG21	1:120:A:ARG:HA	16	1.54
(1,1266)	1:119:A:VAL:HG22	1:120:A:ARG:HA	16	1.54
(1,1266)	1:119:A:VAL:HG23	1:120:A:ARG:HA	16	1.54
(1,1243)	1:12:A:CYS:HA	1:108:A:LEU:HD21	16	1.54
(1,1243)	1:12:A:CYS:HA	1:108:A:LEU:HD22	16	1.54
(1,1243)	1:12:A:CYS:HA	1:108:A:LEU:HD23	16	1.54
(1,1021)	1:53:A:LYS:HG3	1:55:A:GLU:H	20	1.54
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD21	3	1.54
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD22	3	1.54
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD23	3	1.54
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD21	7	1.54
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD22	7	1.54
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD23	7	1.54
(1,814)	1:61:A:VAL:HG11	1:89:A:ILE:HG12	19	1.54
(1,814)	1:61:A:VAL:HG12	1:89:A:ILE:HG12	19	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,814)	1:61:A:VAL:HG13	1:89:A:ILE:HG12	19	1.54
(1,784)	1:78:A:PHE:H	1:108:A:LEU:HD11	5	1.54
(1,784)	1:78:A:PHE:H	1:108:A:LEU:HD12	5	1.54
(1,784)	1:78:A:PHE:H	1:108:A:LEU:HD13	5	1.54
(1,596)	1:12:A:CYS:HB2	1:103:A:GLU:H	6	1.54
(1,462)	1:22:A:VAL:HG11	1:49:A:VAL:HB	2	1.54
(1,462)	1:22:A:VAL:HG12	1:49:A:VAL:HB	2	1.54
(1,462)	1:22:A:VAL:HG13	1:49:A:VAL:HB	2	1.54
(1,369)	1:17:A:ASN:HA	1:19:A:GLU:HG3	11	1.54
(1,348)	1:54:A:MET:HB3	1:57:A:PRO:HG3	3	1.54
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD11	17	1.53
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD12	17	1.53
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD13	17	1.53
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD11	17	1.53
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD12	17	1.53
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD13	17	1.53
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD11	17	1.53
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD12	17	1.53
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD13	17	1.53
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD11	19	1.53
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD12	19	1.53
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD13	19	1.53
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD11	19	1.53
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD12	19	1.53
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD13	19	1.53
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD11	19	1.53
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD12	19	1.53
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD13	19	1.53
(1,1693)	1:27:A:LYS:HG3	1:28:A:GLU:HA	16	1.53
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG21	1	1.53
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG22	1	1.53
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG23	1	1.53
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG21	1	1.53
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG22	1	1.53
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG23	1	1.53
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG21	1	1.53
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG22	1	1.53
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG23	1	1.53
(1,1512)	1:13:A:VAL:H	1:102:A:VAL:HG21	8	1.53
(1,1512)	1:13:A:VAL:H	1:102:A:VAL:HG22	8	1.53
(1,1512)	1:13:A:VAL:H	1:102:A:VAL:HG23	8	1.53
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG21	2	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG22	2	1.53
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG23	2	1.53
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG21	2	1.53
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG22	2	1.53
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG23	2	1.53
(1,1239)	1:108:A:LEU:HD21	1:110:A:LYS:HG2	2	1.53
(1,1239)	1:108:A:LEU:HD22	1:110:A:LYS:HG2	2	1.53
(1,1239)	1:108:A:LEU:HD23	1:110:A:LYS:HG2	2	1.53
(1,1234)	1:7:A:PHE:HE2	1:108:A:LEU:HD21	1	1.53
(1,1209)	1:100:A:LYS:HD2	1:102:A:VAL:HG11	16	1.53
(1,1209)	1:100:A:LYS:HD2	1:102:A:VAL:HG12	16	1.53
(1,1209)	1:100:A:LYS:HD2	1:102:A:VAL:HG13	16	1.53
(1,1209)	1:100:A:LYS:HD3	1:102:A:VAL:HG11	16	1.53
(1,1209)	1:100:A:LYS:HD3	1:102:A:VAL:HG12	16	1.53
(1,1209)	1:100:A:LYS:HD3	1:102:A:VAL:HG13	16	1.53
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD21	6	1.53
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD22	6	1.53
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD23	6	1.53
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG11	14	1.53
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG12	14	1.53
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG13	14	1.53
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG11	15	1.53
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG12	15	1.53
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG13	15	1.53
(1,730)	1:7:A:PHE:HE2	1:77:A:LEU:HG	12	1.53
(1,80)	1:2:A:ARG:HD2	1:15:A:ASP:HB3	2	1.53
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG11	1	1.52
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG12	1	1.52
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG13	1	1.52
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG11	1	1.52
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG12	1	1.52
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG13	1	1.52
(1,2687)	1:104:A:GLY:H	1:107:A:ASP:HB2	15	1.52
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD11	1	1.52
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD12	1	1.52
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD13	1	1.52
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD11	1	1.52
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD12	1	1.52
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD13	1	1.52
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD11	1	1.52
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD12	1	1.52
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD13	1	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1714)	1:61:A:VAL:HG11	1:89:A:ILE:HB	12	1.52
(1,1714)	1:61:A:VAL:HG12	1:89:A:ILE:HB	12	1.52
(1,1714)	1:61:A:VAL:HG13	1:89:A:ILE:HB	12	1.52
(1,1693)	1:27:A:LYS:HG3	1:28:A:GLU:HA	10	1.52
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG11	5	1.52
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG12	5	1.52
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG13	5	1.52
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG11	5	1.52
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG12	5	1.52
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG13	5	1.52
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG11	5	1.52
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG12	5	1.52
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG13	5	1.52
(1,1266)	1:119:A:VAL:HG21	1:120:A:ARG:HA	19	1.52
(1,1266)	1:119:A:VAL:HG22	1:120:A:ARG:HA	19	1.52
(1,1266)	1:119:A:VAL:HG23	1:120:A:ARG:HA	19	1.52
(1,1056)	1:85:A:SER:HB2	1:86:A:ASP:HA	12	1.52
(1,1039)	1:26:A:LEU:HD11	1:47:A:THR:HA	5	1.52
(1,1039)	1:26:A:LEU:HD12	1:47:A:THR:HA	5	1.52
(1,1039)	1:26:A:LEU:HD13	1:47:A:THR:HA	5	1.52
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG11	9	1.52
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG12	9	1.52
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG13	9	1.52
(1,792)	1:79:A:PHE:HB2	1:108:A:LEU:HD11	12	1.52
(1,792)	1:79:A:PHE:HB2	1:108:A:LEU:HD12	12	1.52
(1,792)	1:79:A:PHE:HB2	1:108:A:LEU:HD13	12	1.52
(1,751)	1:5:A:LEU:HD21	1:7:A:PHE:HE2	11	1.52
(1,740)	1:2:A:ARG:HG3	1:16:A:LEU:H	8	1.52
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG21	6	1.52
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG22	6	1.52
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG23	6	1.52
(1,521)	1:51:A:VAL:HG11	1:53:A:LYS:HB2	4	1.52
(1,521)	1:51:A:VAL:HG12	1:53:A:LYS:HB2	4	1.52
(1,521)	1:51:A:VAL:HG13	1:53:A:LYS:HB2	4	1.52
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG11	12	1.51
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG12	12	1.51
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG13	12	1.51
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG11	12	1.51
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG12	12	1.51
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG13	12	1.51
(1,2255)	1:22:A:VAL:HG11	1:51:A:VAL:H	14	1.51
(1,2255)	1:22:A:VAL:HG12	1:51:A:VAL:H	14	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2255)	1:22:A:VAL:HG13	1:51:A:VAL:H	14	1.51
(1,1266)	1:119:A:VAL:HG21	1:120:A:ARG:HA	20	1.51
(1,1266)	1:119:A:VAL:HG22	1:120:A:ARG:HA	20	1.51
(1,1266)	1:119:A:VAL:HG23	1:120:A:ARG:HA	20	1.51
(1,1082)	1:16:A:LEU:HD21	1:98:A:ILE:HG12	5	1.51
(1,1082)	1:16:A:LEU:HD21	1:98:A:ILE:HG13	5	1.51
(1,1082)	1:16:A:LEU:HD22	1:98:A:ILE:HG12	5	1.51
(1,1082)	1:16:A:LEU:HD22	1:98:A:ILE:HG13	5	1.51
(1,1082)	1:16:A:LEU:HD23	1:98:A:ILE:HG12	5	1.51
(1,1082)	1:16:A:LEU:HD23	1:98:A:ILE:HG13	5	1.51
(1,596)	1:12:A:CYS:HB2	1:103:A:GLU:H	14	1.51
(1,505)	1:23:A:VAL:HG21	1:27:A:LYS:HB2	9	1.51
(1,505)	1:23:A:VAL:HG22	1:27:A:LYS:HB2	9	1.51
(1,505)	1:23:A:VAL:HG23	1:27:A:LYS:HB2	9	1.51
(1,2789)	1:7:A:PHE:HE1	1:12:A:CYS:HB3	6	1.5
(1,2789)	1:7:A:PHE:HE2	1:12:A:CYS:HB3	6	1.5
(1,2789)	1:7:A:PHE:HE1	1:12:A:CYS:HB3	14	1.5
(1,2789)	1:7:A:PHE:HE2	1:12:A:CYS:HB3	14	1.5
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD11	9	1.5
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD12	9	1.5
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD13	9	1.5
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD11	9	1.5
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD12	9	1.5
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD13	9	1.5
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD11	9	1.5
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD12	9	1.5
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD13	9	1.5
(1,1706)	1:61:A:VAL:HG11	1:89:A:ILE:HA	5	1.5
(1,1706)	1:61:A:VAL:HG12	1:89:A:ILE:HA	5	1.5
(1,1706)	1:61:A:VAL:HG13	1:89:A:ILE:HA	5	1.5
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG11	10	1.5
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG12	10	1.5
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG13	10	1.5
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG11	10	1.5
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG12	10	1.5
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG13	10	1.5
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG11	10	1.5
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG12	10	1.5
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG13	10	1.5
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG11	15	1.5
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG12	15	1.5
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG13	15	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG11	15	1.5
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG12	15	1.5
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG13	15	1.5
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG11	15	1.5
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG12	15	1.5
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG13	15	1.5
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG21	4	1.5
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG22	4	1.5
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG23	4	1.5
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG21	4	1.5
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG22	4	1.5
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG23	4	1.5
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG21	4	1.5
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG22	4	1.5
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG23	4	1.5
(1,1266)	1:119:A:VAL:HG21	1:120:A:ARG:HA	6	1.5
(1,1266)	1:119:A:VAL:HG22	1:120:A:ARG:HA	6	1.5
(1,1266)	1:119:A:VAL:HG23	1:120:A:ARG:HA	6	1.5
(1,1266)	1:119:A:VAL:HG21	1:120:A:ARG:HA	8	1.5
(1,1266)	1:119:A:VAL:HG22	1:120:A:ARG:HA	8	1.5
(1,1266)	1:119:A:VAL:HG23	1:120:A:ARG:HA	8	1.5
(1,1056)	1:85:A:SER:HB2	1:86:A:ASP:HA	3	1.5
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD21	2	1.5
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD22	2	1.5
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD23	2	1.5
(1,65)	1:15:A:ASP:HB2	1:100:A:LYS:HB2	9	1.5
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG11	5	1.49
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG12	5	1.49
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG13	5	1.49
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG11	5	1.49
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG12	5	1.49
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG13	5	1.49
(1,1714)	1:61:A:VAL:HG11	1:89:A:ILE:HB	3	1.49
(1,1714)	1:61:A:VAL:HG12	1:89:A:ILE:HB	3	1.49
(1,1714)	1:61:A:VAL:HG13	1:89:A:ILE:HB	3	1.49
(1,1714)	1:61:A:VAL:HG11	1:89:A:ILE:HB	19	1.49
(1,1714)	1:61:A:VAL:HG12	1:89:A:ILE:HB	19	1.49
(1,1714)	1:61:A:VAL:HG13	1:89:A:ILE:HB	19	1.49
(1,1693)	1:27:A:LYS:HG3	1:28:A:GLU:HA	8	1.49
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG21	15	1.49
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG22	15	1.49
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG23	15	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG21	15	1.49
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG22	15	1.49
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG23	15	1.49
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG21	15	1.49
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG22	15	1.49
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG23	15	1.49
(1,1483)	1:53:A:LYS:HG3	1:55:A:GLU:HA	20	1.49
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG21	10	1.49
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG22	10	1.49
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG23	10	1.49
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG21	10	1.49
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG22	10	1.49
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG23	10	1.49
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG21	10	1.49
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG22	10	1.49
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG23	10	1.49
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG21	12	1.49
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG22	12	1.49
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG23	12	1.49
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG21	12	1.49
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG22	12	1.49
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG23	12	1.49
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG21	12	1.49
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG22	12	1.49
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG23	12	1.49
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG21	8	1.49
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG22	8	1.49
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG23	8	1.49
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG21	8	1.49
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG22	8	1.49
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG23	8	1.49
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG21	8	1.49
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG22	8	1.49
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG23	8	1.49
(1,1266)	1:119:A:VAL:HG21	1:120:A:ARG:HA	7	1.49
(1,1266)	1:119:A:VAL:HG22	1:120:A:ARG:HA	7	1.49
(1,1266)	1:119:A:VAL:HG23	1:120:A:ARG:HA	7	1.49
(1,787)	1:79:A:PHE:HA	1:108:A:LEU:HD11	12	1.49
(1,787)	1:79:A:PHE:HA	1:108:A:LEU:HD12	12	1.49
(1,787)	1:79:A:PHE:HA	1:108:A:LEU:HD13	12	1.49
(1,2697)	1:17:A:ASN:HD22	1:19:A:GLU:HB3	18	1.48
(1,2619)	1:26:A:LEU:HD11	1:49:A:VAL:H	19	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2619)	1:26:A:LEU:HD12	1:49:A:VAL:H	19	1.48
(1,2619)	1:26:A:LEU:HD13	1:49:A:VAL:H	19	1.48
(1,2127)	1:50:A:ASN:H	1:51:A:VAL:HG21	13	1.48
(1,2127)	1:50:A:ASN:H	1:51:A:VAL:HG22	13	1.48
(1,2127)	1:50:A:ASN:H	1:51:A:VAL:HG23	13	1.48
(1,2010)	1:108:A:LEU:HD21	1:111:A:ILE:HD11	5	1.48
(1,2010)	1:108:A:LEU:HD21	1:111:A:ILE:HD12	5	1.48
(1,2010)	1:108:A:LEU:HD21	1:111:A:ILE:HD13	5	1.48
(1,2010)	1:108:A:LEU:HD22	1:111:A:ILE:HD11	5	1.48
(1,2010)	1:108:A:LEU:HD22	1:111:A:ILE:HD12	5	1.48
(1,2010)	1:108:A:LEU:HD22	1:111:A:ILE:HD13	5	1.48
(1,2010)	1:108:A:LEU:HD23	1:111:A:ILE:HD11	5	1.48
(1,2010)	1:108:A:LEU:HD23	1:111:A:ILE:HD12	5	1.48
(1,2010)	1:108:A:LEU:HD23	1:111:A:ILE:HD13	5	1.48
(1,1706)	1:61:A:VAL:HG11	1:89:A:ILE:HA	20	1.48
(1,1706)	1:61:A:VAL:HG12	1:89:A:ILE:HA	20	1.48
(1,1706)	1:61:A:VAL:HG13	1:89:A:ILE:HA	20	1.48
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG21	4	1.48
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG22	4	1.48
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG23	4	1.48
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG21	4	1.48
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG22	4	1.48
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG23	4	1.48
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG21	4	1.48
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG22	4	1.48
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG23	4	1.48
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG11	16	1.48
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG12	16	1.48
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG13	16	1.48
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG21	20	1.48
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG22	20	1.48
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG23	20	1.48
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG21	20	1.48
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG22	20	1.48
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG23	20	1.48
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG21	20	1.48
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG22	20	1.48
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG23	20	1.48
(1,1266)	1:119:A:VAL:HG21	1:120:A:ARG:HA	13	1.48
(1,1266)	1:119:A:VAL:HG22	1:120:A:ARG:HA	13	1.48
(1,1266)	1:119:A:VAL:HG23	1:120:A:ARG:HA	13	1.48
(1,1039)	1:26:A:LEU:HD11	1:47:A:THR:HA	6	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1039)	1:26:A:LEU:HD12	1:47:A:THR:HA	6	1.48
(1,1039)	1:26:A:LEU:HD13	1:47:A:THR:HA	6	1.48
(1,760)	1:5:A:LEU:HD21	1:12:A:CYS:HB3	9	1.48
(1,760)	1:5:A:LEU:HD22	1:12:A:CYS:HB3	9	1.48
(1,760)	1:5:A:LEU:HD23	1:12:A:CYS:HB3	9	1.48
(1,239)	1:18:A:GLU:HG3	1:24:A:LYS:HG2	4	1.48
(1,2824)	1:7:A:PHE:HD1	1:117:A:VAL:HG21	2	1.47
(1,2824)	1:7:A:PHE:HD1	1:117:A:VAL:HG22	2	1.47
(1,2824)	1:7:A:PHE:HD1	1:117:A:VAL:HG23	2	1.47
(1,2824)	1:7:A:PHE:HD2	1:117:A:VAL:HG21	2	1.47
(1,2824)	1:7:A:PHE:HD2	1:117:A:VAL:HG22	2	1.47
(1,2824)	1:7:A:PHE:HD2	1:117:A:VAL:HG23	2	1.47
(1,2775)	1:79:A:PHE:HD1	1:108:A:LEU:HD11	6	1.47
(1,2775)	1:79:A:PHE:HD1	1:108:A:LEU:HD12	6	1.47
(1,2775)	1:79:A:PHE:HD1	1:108:A:LEU:HD13	6	1.47
(1,2775)	1:79:A:PHE:HD2	1:108:A:LEU:HD11	6	1.47
(1,2775)	1:79:A:PHE:HD2	1:108:A:LEU:HD12	6	1.47
(1,2775)	1:79:A:PHE:HD2	1:108:A:LEU:HD13	6	1.47
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD11	15	1.47
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD12	15	1.47
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD13	15	1.47
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD11	15	1.47
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD12	15	1.47
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD13	15	1.47
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD11	15	1.47
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD12	15	1.47
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD13	15	1.47
(1,1693)	1:27:A:LYS:HG3	1:28:A:GLU:HA	20	1.47
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG21	3	1.47
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG22	3	1.47
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG23	3	1.47
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG21	3	1.47
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG22	3	1.47
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG23	3	1.47
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG21	3	1.47
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG22	3	1.47
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG23	3	1.47
(1,1345)	1:2:A:ARG:HE	1:13:A:VAL:HG21	3	1.47
(1,1345)	1:2:A:ARG:HE	1:13:A:VAL:HG22	3	1.47
(1,1345)	1:2:A:ARG:HE	1:13:A:VAL:HG23	3	1.47
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG21	20	1.47
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG22	20	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG23	20	1.47
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG21	20	1.47
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG22	20	1.47
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG23	20	1.47
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG11	7	1.47
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG12	7	1.47
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG13	7	1.47
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG11	7	1.47
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG12	7	1.47
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG13	7	1.47
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG11	7	1.47
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG12	7	1.47
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG13	7	1.47
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG11	14	1.47
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG12	14	1.47
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG13	14	1.47
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG11	14	1.47
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG12	14	1.47
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG13	14	1.47
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG11	14	1.47
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG12	14	1.47
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG13	14	1.47
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG21	17	1.47
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG22	17	1.47
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG23	17	1.47
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG21	17	1.47
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG22	17	1.47
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG23	17	1.47
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG21	17	1.47
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG22	17	1.47
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG23	17	1.47
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG21	16	1.47
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG22	16	1.47
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG23	16	1.47
(1,1266)	1:119:A:VAL:HG21	1:120:A:ARG:HA	18	1.47
(1,1266)	1:119:A:VAL:HG22	1:120:A:ARG:HA	18	1.47
(1,1266)	1:119:A:VAL:HG23	1:120:A:ARG:HA	18	1.47
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD21	1	1.47
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD22	1	1.47
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD23	1	1.47
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD21	1	1.47
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD22	1	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD23	1	1.47
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG11	7	1.47
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG12	7	1.47
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG13	7	1.47
(1,814)	1:61:A:VAL:HG11	1:89:A:ILE:HG12	9	1.47
(1,814)	1:61:A:VAL:HG12	1:89:A:ILE:HG12	9	1.47
(1,814)	1:61:A:VAL:HG13	1:89:A:ILE:HG12	9	1.47
(1,596)	1:12:A:CYS:HB2	1:103:A:GLU:H	10	1.47
(1,462)	1:22:A:VAL:HG11	1:49:A:VAL:HB	10	1.47
(1,462)	1:22:A:VAL:HG12	1:49:A:VAL:HB	10	1.47
(1,462)	1:22:A:VAL:HG13	1:49:A:VAL:HB	10	1.47
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG11	10	1.46
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG12	10	1.46
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG13	10	1.46
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG11	10	1.46
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG12	10	1.46
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG13	10	1.46
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG11	15	1.46
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG12	15	1.46
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG13	15	1.46
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG11	15	1.46
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG12	15	1.46
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG13	15	1.46
(1,2144)	1:7:A:PHE:H	1:117:A:VAL:HG21	5	1.46
(1,2144)	1:7:A:PHE:H	1:117:A:VAL:HG22	5	1.46
(1,2144)	1:7:A:PHE:H	1:117:A:VAL:HG23	5	1.46
(1,2024)	1:54:A:MET:HG3	1:96:A:ASN:HA	16	1.46
(1,1714)	1:61:A:VAL:HG11	1:89:A:ILE:HB	15	1.46
(1,1714)	1:61:A:VAL:HG12	1:89:A:ILE:HB	15	1.46
(1,1714)	1:61:A:VAL:HG13	1:89:A:ILE:HB	15	1.46
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG21	14	1.46
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG22	14	1.46
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG23	14	1.46
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG21	14	1.46
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG22	14	1.46
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG23	14	1.46
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG21	14	1.46
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG22	14	1.46
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG23	14	1.46
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG21	7	1.46
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG22	7	1.46
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG23	7	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG21	7	1.46
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG22	7	1.46
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG23	7	1.46
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG21	7	1.46
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG22	7	1.46
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG23	7	1.46
(1,740)	1:2:A:ARG:HG3	1:16:A:LEU:H	13	1.46
(1,505)	1:23:A:VAL:HG21	1:27:A:LYS:HB2	6	1.46
(1,505)	1:23:A:VAL:HG22	1:27:A:LYS:HB2	6	1.46
(1,505)	1:23:A:VAL:HG23	1:27:A:LYS:HB2	6	1.46
(1,2732)	1:22:A:VAL:HG21	1:96:A:ASN:HD22	20	1.45
(1,2732)	1:22:A:VAL:HG22	1:96:A:ASN:HD22	20	1.45
(1,2732)	1:22:A:VAL:HG23	1:96:A:ASN:HD22	20	1.45
(1,1966)	1:2:A:ARG:HG3	1:15:A:ASP:HA	8	1.45
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG21	9	1.45
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG22	9	1.45
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG23	9	1.45
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG21	9	1.45
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG22	9	1.45
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG23	9	1.45
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG21	9	1.45
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG22	9	1.45
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG23	9	1.45
(1,1137)	1:49:A:VAL:HG21	1:51:A:VAL:H	6	1.45
(1,1137)	1:49:A:VAL:HG22	1:51:A:VAL:H	6	1.45
(1,1137)	1:49:A:VAL:HG23	1:51:A:VAL:H	6	1.45
(1,1036)	1:26:A:LEU:HD11	1:48:A:PRO:HG3	16	1.45
(1,1036)	1:26:A:LEU:HD12	1:48:A:PRO:HG3	16	1.45
(1,1036)	1:26:A:LEU:HD13	1:48:A:PRO:HG3	16	1.45
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD21	10	1.45
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD22	10	1.45
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD23	10	1.45
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD21	10	1.45
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD22	10	1.45
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD23	10	1.45
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD21	9	1.45
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD22	9	1.45
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD23	9	1.45
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD21	15	1.45
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD22	15	1.45
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD23	15	1.45
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD21	15	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD22	15	1.45
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD23	15	1.45
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD21	15	1.45
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD22	15	1.45
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD23	15	1.45
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG11	20	1.45
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG12	20	1.45
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG13	20	1.45
(1,348)	1:54:A:MET:HB3	1:57:A:PRO:HG3	19	1.45
(1,2127)	1:50:A:ASN:H	1:51:A:VAL:HG21	7	1.44
(1,2127)	1:50:A:ASN:H	1:51:A:VAL:HG22	7	1.44
(1,2127)	1:50:A:ASN:H	1:51:A:VAL:HG23	7	1.44
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD11	19	1.44
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD12	19	1.44
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD13	19	1.44
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD11	19	1.44
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD12	19	1.44
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD13	19	1.44
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD11	19	1.44
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD12	19	1.44
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD13	19	1.44
(1,1693)	1:27:A:LYS:HG3	1:28:A:GLU:HA	1	1.44
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG21	6	1.44
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG22	6	1.44
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG23	6	1.44
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG21	6	1.44
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG22	6	1.44
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG23	6	1.44
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG21	6	1.44
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG22	6	1.44
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG23	6	1.44
(1,1266)	1:119:A:VAL:HG21	1:120:A:ARG:HA	11	1.44
(1,1266)	1:119:A:VAL:HG22	1:120:A:ARG:HA	11	1.44
(1,1266)	1:119:A:VAL:HG23	1:120:A:ARG:HA	11	1.44
(1,1106)	1:69:A:TRP:HZ2	1:93:A:SER:HB2	17	1.44
(1,1056)	1:85:A:SER:HB2	1:86:A:ASP:HA	5	1.44
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD21	13	1.44
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD22	13	1.44
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD23	13	1.44
(1,952)	1:18:A:GLU:HB2	1:24:A:LYS:HG2	4	1.44
(1,740)	1:2:A:ARG:HG3	1:16:A:LEU:H	5	1.44
(1,730)	1:7:A:PHE:HE2	1:77:A:LEU:HG	16	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG21	9	1.44
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG22	9	1.44
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG23	9	1.44
(1,2824)	1:7:A:PHE:HD1	1:117:A:VAL:HG21	5	1.43
(1,2824)	1:7:A:PHE:HD1	1:117:A:VAL:HG22	5	1.43
(1,2824)	1:7:A:PHE:HD1	1:117:A:VAL:HG23	5	1.43
(1,2824)	1:7:A:PHE:HD2	1:117:A:VAL:HG21	5	1.43
(1,2824)	1:7:A:PHE:HD2	1:117:A:VAL:HG22	5	1.43
(1,2824)	1:7:A:PHE:HD2	1:117:A:VAL:HG23	5	1.43
(1,2697)	1:17:A:ASN:HD22	1:19:A:GLU:HB3	15	1.43
(1,2165)	1:5:A:LEU:H	1:14:A:ILE:HG13	4	1.43
(1,1706)	1:61:A:VAL:HG11	1:89:A:ILE:HA	6	1.43
(1,1706)	1:61:A:VAL:HG12	1:89:A:ILE:HA	6	1.43
(1,1706)	1:61:A:VAL:HG13	1:89:A:ILE:HA	6	1.43
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG21	17	1.43
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG22	17	1.43
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG23	17	1.43
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG21	17	1.43
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG22	17	1.43
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG23	17	1.43
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG21	17	1.43
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG22	17	1.43
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG23	17	1.43
(1,1330)	1:35:A:VAL:HG21	1:116:A:LYS:HE3	10	1.43
(1,1330)	1:35:A:VAL:HG22	1:116:A:LYS:HE3	10	1.43
(1,1330)	1:35:A:VAL:HG23	1:116:A:LYS:HE3	10	1.43
(1,1266)	1:119:A:VAL:HG21	1:120:A:ARG:HA	12	1.43
(1,1266)	1:119:A:VAL:HG22	1:120:A:ARG:HA	12	1.43
(1,1266)	1:119:A:VAL:HG23	1:120:A:ARG:HA	12	1.43
(1,1056)	1:85:A:SER:HB2	1:86:A:ASP:HA	15	1.43
(1,1040)	1:26:A:LEU:HD11	1:48:A:PRO:HD3	18	1.43
(1,1040)	1:26:A:LEU:HD12	1:48:A:PRO:HD3	18	1.43
(1,1040)	1:26:A:LEU:HD13	1:48:A:PRO:HD3	18	1.43
(1,1032)	1:26:A:LEU:HD11	1:47:A:THR:HB	17	1.43
(1,1032)	1:26:A:LEU:HD12	1:47:A:THR:HB	17	1.43
(1,1032)	1:26:A:LEU:HD13	1:47:A:THR:HB	17	1.43
(1,627)	1:22:A:VAL:HB	1:51:A:VAL:HG11	11	1.43
(1,627)	1:22:A:VAL:HB	1:51:A:VAL:HG12	11	1.43
(1,627)	1:22:A:VAL:HB	1:51:A:VAL:HG13	11	1.43
(1,385)	1:60:A:VAL:HG11	1:62:A:GLU:HG2	1	1.43
(1,385)	1:60:A:VAL:HG12	1:62:A:GLU:HG2	1	1.43
(1,385)	1:60:A:VAL:HG13	1:62:A:GLU:HG2	1	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,348)	1:54:A:MET:HB3	1:57:A:PRO:HG3	15	1.43
(1,80)	1:2:A:ARG:HD2	1:15:A:ASP:HB3	9	1.43
(1,80)	1:2:A:ARG:HD2	1:15:A:ASP:HB3	16	1.43
(1,2910)	1:39:A:TRP:HZ2	1:84:A:MET:HB3	12	1.42
(1,1966)	1:2:A:ARG:HG3	1:15:A:ASP:HA	4	1.42
(1,1706)	1:61:A:VAL:HG11	1:89:A:ILE:HA	18	1.42
(1,1706)	1:61:A:VAL:HG12	1:89:A:ILE:HA	18	1.42
(1,1706)	1:61:A:VAL:HG13	1:89:A:ILE:HA	18	1.42
(1,1293)	1:13:A:VAL:HG11	1:103:A:GLU:HB3	16	1.42
(1,1293)	1:13:A:VAL:HG12	1:103:A:GLU:HB3	16	1.42
(1,1293)	1:13:A:VAL:HG13	1:103:A:GLU:HB3	16	1.42
(1,1266)	1:119:A:VAL:HG21	1:120:A:ARG:HA	15	1.42
(1,1266)	1:119:A:VAL:HG22	1:120:A:ARG:HA	15	1.42
(1,1266)	1:119:A:VAL:HG23	1:120:A:ARG:HA	15	1.42
(1,1221)	1:50:A:ASN:HA	1:51:A:VAL:HG21	6	1.42
(1,1221)	1:50:A:ASN:HA	1:51:A:VAL:HG22	6	1.42
(1,1221)	1:50:A:ASN:HA	1:51:A:VAL:HG23	6	1.42
(1,1221)	1:50:A:ASN:HA	1:51:A:VAL:HG21	10	1.42
(1,1221)	1:50:A:ASN:HA	1:51:A:VAL:HG22	10	1.42
(1,1221)	1:50:A:ASN:HA	1:51:A:VAL:HG23	10	1.42
(1,1056)	1:85:A:SER:HB2	1:86:A:ASP:HA	17	1.42
(1,1032)	1:26:A:LEU:HD11	1:47:A:THR:HB	5	1.42
(1,1032)	1:26:A:LEU:HD12	1:47:A:THR:HB	5	1.42
(1,1032)	1:26:A:LEU:HD13	1:47:A:THR:HB	5	1.42
(1,902)	1:23:A:VAL:HG11	1:98:A:ILE:HB	12	1.42
(1,902)	1:23:A:VAL:HG12	1:98:A:ILE:HB	12	1.42
(1,902)	1:23:A:VAL:HG13	1:98:A:ILE:HB	12	1.42
(1,584)	1:48:A:PRO:HB2	1:49:A:VAL:HG11	14	1.42
(1,584)	1:48:A:PRO:HB2	1:49:A:VAL:HG12	14	1.42
(1,584)	1:48:A:PRO:HB2	1:49:A:VAL:HG13	14	1.42
(1,505)	1:23:A:VAL:HG21	1:27:A:LYS:HB2	10	1.42
(1,505)	1:23:A:VAL:HG22	1:27:A:LYS:HB2	10	1.42
(1,505)	1:23:A:VAL:HG23	1:27:A:LYS:HB2	10	1.42
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG21	20	1.42
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG22	20	1.42
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG23	20	1.42
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG11	12	1.41
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG12	12	1.41
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG13	12	1.41
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG11	12	1.41
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG12	12	1.41
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG13	12	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2687)	1:104:A:GLY:H	1:107:A:ASP:HB2	11	1.41
(1,2016)	1:54:A:MET:HB3	1:96:A:ASN:HA	2	1.41
(1,1803)	1:7:A:PHE:HA	1:115:A:GLU:HB3	14	1.41
(1,1693)	1:27:A:LYS:HG3	1:28:A:GLU:HA	17	1.41
(1,1512)	1:13:A:VAL:H	1:102:A:VAL:HG21	10	1.41
(1,1512)	1:13:A:VAL:H	1:102:A:VAL:HG22	10	1.41
(1,1512)	1:13:A:VAL:H	1:102:A:VAL:HG23	10	1.41
(1,1352)	1:5:A:LEU:HD11	1:119:A:VAL:HA	7	1.41
(1,1352)	1:5:A:LEU:HD12	1:119:A:VAL:HA	7	1.41
(1,1352)	1:5:A:LEU:HD13	1:119:A:VAL:HA	7	1.41
(1,1266)	1:119:A:VAL:HG21	1:120:A:ARG:HA	1	1.41
(1,1266)	1:119:A:VAL:HG22	1:120:A:ARG:HA	1	1.41
(1,1266)	1:119:A:VAL:HG23	1:120:A:ARG:HA	1	1.41
(1,1266)	1:119:A:VAL:HG21	1:120:A:ARG:HA	14	1.41
(1,1266)	1:119:A:VAL:HG22	1:120:A:ARG:HA	14	1.41
(1,1266)	1:119:A:VAL:HG23	1:120:A:ARG:HA	14	1.41
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG21	6	1.41
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG22	6	1.41
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG23	6	1.41
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD21	5	1.41
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD22	5	1.41
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD23	5	1.41
(1,882)	1:7:A:PHE:HE2	1:77:A:LEU:HD12	7	1.41
(1,549)	1:62:A:GLU:HB3	1:65:A:ASP:HB3	13	1.41
(1,549)	1:62:A:GLU:HB3	1:65:A:ASP:HB3	20	1.41
(1,348)	1:54:A:MET:HB3	1:57:A:PRO:HG3	10	1.41
(1,195)	1:7:A:PHE:HD1	1:107:A:ASP:HB3	15	1.41
(1,2789)	1:7:A:PHE:HE1	1:12:A:CYS:HB3	18	1.4
(1,2789)	1:7:A:PHE:HE2	1:12:A:CYS:HB3	18	1.4
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG11	4	1.4
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG12	4	1.4
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG13	4	1.4
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG11	4	1.4
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG12	4	1.4
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG13	4	1.4
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG21	4	1.4
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG22	4	1.4
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG23	4	1.4
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD11	5	1.4
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD12	5	1.4
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD13	5	1.4
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD11	5	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD12	5	1.4
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD13	5	1.4
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD11	5	1.4
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD12	5	1.4
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD13	5	1.4
(1,1711)	1:61:A:VAL:HG11	1:78:A:PHE:HB3	18	1.4
(1,1711)	1:61:A:VAL:HG12	1:78:A:PHE:HB3	18	1.4
(1,1711)	1:61:A:VAL:HG13	1:78:A:PHE:HB3	18	1.4
(1,1706)	1:61:A:VAL:HG11	1:89:A:ILE:HA	2	1.4
(1,1706)	1:61:A:VAL:HG12	1:89:A:ILE:HA	2	1.4
(1,1706)	1:61:A:VAL:HG13	1:89:A:ILE:HA	2	1.4
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG21	7	1.4
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG22	7	1.4
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG23	7	1.4
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG21	7	1.4
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG22	7	1.4
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG23	7	1.4
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG21	7	1.4
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG22	7	1.4
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG23	7	1.4
(1,1266)	1:119:A:VAL:HG21	1:120:A:ARG:HA	3	1.4
(1,1266)	1:119:A:VAL:HG22	1:120:A:ARG:HA	3	1.4
(1,1266)	1:119:A:VAL:HG23	1:120:A:ARG:HA	3	1.4
(1,1221)	1:50:A:ASN:HA	1:51:A:VAL:HG21	14	1.4
(1,1221)	1:50:A:ASN:HA	1:51:A:VAL:HG22	14	1.4
(1,1221)	1:50:A:ASN:HA	1:51:A:VAL:HG23	14	1.4
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD21	8	1.4
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD22	8	1.4
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD23	8	1.4
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD21	8	1.4
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD22	8	1.4
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD23	8	1.4
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD21	1	1.4
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD22	1	1.4
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD23	1	1.4
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD21	13	1.4
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD22	13	1.4
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD23	13	1.4
(1,905)	1:77:A:LEU:HD11	1:108:A:LEU:HA	16	1.4
(1,905)	1:77:A:LEU:HD12	1:108:A:LEU:HA	16	1.4
(1,905)	1:77:A:LEU:HD13	1:108:A:LEU:HA	16	1.4
(1,902)	1:23:A:VAL:HG11	1:98:A:ILE:HB	4	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,902)	1:23:A:VAL:HG12	1:98:A:ILE:HB	4	1.4
(1,902)	1:23:A:VAL:HG13	1:98:A:ILE:HB	4	1.4
(1,902)	1:23:A:VAL:HG11	1:98:A:ILE:HB	17	1.4
(1,902)	1:23:A:VAL:HG12	1:98:A:ILE:HB	17	1.4
(1,902)	1:23:A:VAL:HG13	1:98:A:ILE:HB	17	1.4
(1,834)	1:26:A:LEU:HG	1:49:A:VAL:HG11	10	1.4
(1,834)	1:26:A:LEU:HG	1:49:A:VAL:HG12	10	1.4
(1,834)	1:26:A:LEU:HG	1:49:A:VAL:HG13	10	1.4
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG2	3	1.4
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG3	3	1.4
(1,132)	1:106:A:GLU:HA	1:109:A:LYS:HE3	12	1.4
(1,80)	1:2:A:ARG:HD2	1:15:A:ASP:HB3	7	1.4
(1,2165)	1:5:A:LEU:H	1:14:A:ILE:HG13	3	1.39
(1,2165)	1:5:A:LEU:H	1:14:A:ILE:HG13	17	1.39
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD11	10	1.39
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD12	10	1.39
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD13	10	1.39
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD11	10	1.39
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD12	10	1.39
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD13	10	1.39
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD11	10	1.39
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD12	10	1.39
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD13	10	1.39
(1,1693)	1:27:A:LYS:HG3	1:28:A:GLU:HA	12	1.39
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG21	13	1.39
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG22	13	1.39
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG23	13	1.39
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG21	13	1.39
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG22	13	1.39
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG23	13	1.39
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG21	13	1.39
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG22	13	1.39
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG23	13	1.39
(1,1266)	1:119:A:VAL:HG21	1:120:A:ARG:HA	2	1.39
(1,1266)	1:119:A:VAL:HG22	1:120:A:ARG:HA	2	1.39
(1,1266)	1:119:A:VAL:HG23	1:120:A:ARG:HA	2	1.39
(1,1260)	1:60:A:VAL:HG11	1:89:A:ILE:H	4	1.39
(1,1260)	1:60:A:VAL:HG12	1:89:A:ILE:H	4	1.39
(1,1260)	1:60:A:VAL:HG13	1:89:A:ILE:H	4	1.39
(1,1036)	1:26:A:LEU:HD11	1:48:A:PRO:HG3	18	1.39
(1,1036)	1:26:A:LEU:HD12	1:48:A:PRO:HG3	18	1.39
(1,1036)	1:26:A:LEU:HD13	1:48:A:PRO:HG3	18	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG11	17	1.39
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG12	17	1.39
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG13	17	1.39
(1,753)	1:5:A:LEU:HD21	1:12:A:CYS:HB2	5	1.39
(1,753)	1:5:A:LEU:HD22	1:12:A:CYS:HB2	5	1.39
(1,753)	1:5:A:LEU:HD23	1:12:A:CYS:HB2	5	1.39
(1,730)	1:7:A:PHE:HE2	1:77:A:LEU:HG	8	1.39
(1,462)	1:22:A:VAL:HG11	1:49:A:VAL:HB	18	1.39
(1,462)	1:22:A:VAL:HG12	1:49:A:VAL:HB	18	1.39
(1,462)	1:22:A:VAL:HG13	1:49:A:VAL:HB	18	1.39
(1,385)	1:60:A:VAL:HG11	1:62:A:GLU:HG2	14	1.39
(1,385)	1:60:A:VAL:HG12	1:62:A:GLU:HG2	14	1.39
(1,385)	1:60:A:VAL:HG13	1:62:A:GLU:HG2	14	1.39
(1,348)	1:54:A:MET:HB3	1:57:A:PRO:HG3	12	1.39
(1,2789)	1:7:A:PHE:HE1	1:12:A:CYS:HB3	10	1.38
(1,2789)	1:7:A:PHE:HE2	1:12:A:CYS:HB3	10	1.38
(1,2722)	1:61:A:VAL:HG21	1:95:A:VAL:H	19	1.38
(1,2722)	1:61:A:VAL:HG22	1:95:A:VAL:H	19	1.38
(1,2722)	1:61:A:VAL:HG23	1:95:A:VAL:H	19	1.38
(1,2187)	1:66:A:VAL:HG21	1:101:A:ILE:H	6	1.38
(1,2187)	1:66:A:VAL:HG22	1:101:A:ILE:H	6	1.38
(1,2187)	1:66:A:VAL:HG23	1:101:A:ILE:H	6	1.38
(1,2165)	1:5:A:LEU:H	1:14:A:ILE:HG13	8	1.38
(1,2165)	1:5:A:LEU:H	1:14:A:ILE:HG13	11	1.38
(1,1966)	1:2:A:ARG:HG3	1:15:A:ASP:HA	5	1.38
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD11	3	1.38
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD12	3	1.38
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD13	3	1.38
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD11	3	1.38
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD12	3	1.38
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD13	3	1.38
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD11	3	1.38
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD12	3	1.38
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD13	3	1.38
(1,1730)	1:65:A:ASP:HA	1:66:A:VAL:HG21	6	1.38
(1,1730)	1:65:A:ASP:HA	1:66:A:VAL:HG22	6	1.38
(1,1730)	1:65:A:ASP:HA	1:66:A:VAL:HG23	6	1.38
(1,1706)	1:61:A:VAL:HG11	1:89:A:ILE:HA	17	1.38
(1,1706)	1:61:A:VAL:HG12	1:89:A:ILE:HA	17	1.38
(1,1706)	1:61:A:VAL:HG13	1:89:A:ILE:HA	17	1.38
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG11	1	1.38
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG12	1	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG13	1	1.38
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG11	1	1.38
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG12	1	1.38
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG13	1	1.38
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG11	1	1.38
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG12	1	1.38
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG13	1	1.38
(1,1304)	1:22:A:VAL:HG21	1:98:A:ILE:HB	16	1.38
(1,1304)	1:22:A:VAL:HG22	1:98:A:ILE:HB	16	1.38
(1,1304)	1:22:A:VAL:HG23	1:98:A:ILE:HB	16	1.38
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG21	16	1.38
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG22	16	1.38
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG23	16	1.38
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG21	16	1.38
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG22	16	1.38
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG23	16	1.38
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG21	16	1.38
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG22	16	1.38
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG23	16	1.38
(1,1210)	1:100:A:LYS:HA	1:102:A:VAL:HG11	10	1.38
(1,1210)	1:100:A:LYS:HA	1:102:A:VAL:HG12	10	1.38
(1,1210)	1:100:A:LYS:HA	1:102:A:VAL:HG13	10	1.38
(1,1210)	1:100:A:LYS:HA	1:102:A:VAL:HG11	11	1.38
(1,1210)	1:100:A:LYS:HA	1:102:A:VAL:HG12	11	1.38
(1,1210)	1:100:A:LYS:HA	1:102:A:VAL:HG13	11	1.38
(1,1040)	1:26:A:LEU:HD11	1:48:A:PRO:HD3	6	1.38
(1,1040)	1:26:A:LEU:HD12	1:48:A:PRO:HD3	6	1.38
(1,1040)	1:26:A:LEU:HD13	1:48:A:PRO:HD3	6	1.38
(1,1036)	1:26:A:LEU:HD11	1:48:A:PRO:HG3	6	1.38
(1,1036)	1:26:A:LEU:HD12	1:48:A:PRO:HG3	6	1.38
(1,1036)	1:26:A:LEU:HD13	1:48:A:PRO:HG3	6	1.38
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD21	1	1.38
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD22	1	1.38
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD23	1	1.38
(1,902)	1:23:A:VAL:HG11	1:98:A:ILE:HB	5	1.38
(1,902)	1:23:A:VAL:HG12	1:98:A:ILE:HB	5	1.38
(1,902)	1:23:A:VAL:HG13	1:98:A:ILE:HB	5	1.38
(1,760)	1:5:A:LEU:HD21	1:12:A:CYS:HB3	13	1.38
(1,760)	1:5:A:LEU:HD22	1:12:A:CYS:HB3	13	1.38
(1,760)	1:5:A:LEU:HD23	1:12:A:CYS:HB3	13	1.38
(1,549)	1:62:A:GLU:HB3	1:65:A:ASP:HB3	5	1.38
(1,549)	1:62:A:GLU:HB3	1:65:A:ASP:HB3	8	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,385)	1:60:A:VAL:HG11	1:62:A:GLU:HG2	3	1.38
(1,385)	1:60:A:VAL:HG12	1:62:A:GLU:HG2	3	1.38
(1,385)	1:60:A:VAL:HG13	1:62:A:GLU:HG2	3	1.38
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG21	17	1.38
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG22	17	1.38
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG23	17	1.38
(1,2732)	1:22:A:VAL:HG21	1:96:A:ASN:HD22	18	1.37
(1,2732)	1:22:A:VAL:HG22	1:96:A:ASN:HD22	18	1.37
(1,2732)	1:22:A:VAL:HG23	1:96:A:ASN:HD22	18	1.37
(1,2581)	1:54:A:MET:HB3	1:56:A:ASN:H	9	1.37
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG21	5	1.37
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG22	5	1.37
(1,1684)	1:23:A:VAL:HG11	1:98:A:ILE:HG23	5	1.37
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG21	5	1.37
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG22	5	1.37
(1,1684)	1:23:A:VAL:HG12	1:98:A:ILE:HG23	5	1.37
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG21	5	1.37
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG22	5	1.37
(1,1684)	1:23:A:VAL:HG13	1:98:A:ILE:HG23	5	1.37
(1,1407)	1:22:A:VAL:HG11	1:26:A:LEU:HG	2	1.37
(1,1407)	1:22:A:VAL:HG12	1:26:A:LEU:HG	2	1.37
(1,1407)	1:22:A:VAL:HG13	1:26:A:LEU:HG	2	1.37
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG11	2	1.37
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG12	2	1.37
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG13	2	1.37
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG11	2	1.37
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG12	2	1.37
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG13	2	1.37
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG11	2	1.37
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG12	2	1.37
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG13	2	1.37
(1,1266)	1:119:A:VAL:HG21	1:120:A:ARG:HA	5	1.37
(1,1266)	1:119:A:VAL:HG22	1:120:A:ARG:HA	5	1.37
(1,1266)	1:119:A:VAL:HG23	1:120:A:ARG:HA	5	1.37
(1,1266)	1:119:A:VAL:HG21	1:120:A:ARG:HA	10	1.37
(1,1266)	1:119:A:VAL:HG22	1:120:A:ARG:HA	10	1.37
(1,1266)	1:119:A:VAL:HG23	1:120:A:ARG:HA	10	1.37
(1,1021)	1:53:A:LYS:HG3	1:55:A:GLU:H	17	1.37
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD21	9	1.37
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD22	9	1.37
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD23	9	1.37
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD21	16	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD22	16	1.37
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD23	16	1.37
(1,902)	1:23:A:VAL:HG11	1:98:A:ILE:HB	14	1.37
(1,902)	1:23:A:VAL:HG12	1:98:A:ILE:HB	14	1.37
(1,902)	1:23:A:VAL:HG13	1:98:A:ILE:HB	14	1.37
(1,819)	1:108:A:LEU:HD21	1:111:A:ILE:HG13	16	1.37
(1,819)	1:108:A:LEU:HD22	1:111:A:ILE:HG13	16	1.37
(1,819)	1:108:A:LEU:HD23	1:111:A:ILE:HG13	16	1.37
(1,612)	1:1:A:MET:HG2	1:16:A:LEU:HB3	4	1.37
(1,385)	1:60:A:VAL:HG11	1:62:A:GLU:HG2	6	1.37
(1,385)	1:60:A:VAL:HG12	1:62:A:GLU:HG2	6	1.37
(1,385)	1:60:A:VAL:HG13	1:62:A:GLU:HG2	6	1.37
(1,342)	1:41:A:GLU:HG2	1:79:A:PHE:HZ	13	1.37
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG21	3	1.36
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG22	3	1.36
(1,2620)	1:58:A:ARG:HE	1:61:A:VAL:HG23	3	1.36
(1,1512)	1:13:A:VAL:H	1:102:A:VAL:HG21	16	1.36
(1,1512)	1:13:A:VAL:H	1:102:A:VAL:HG22	16	1.36
(1,1512)	1:13:A:VAL:H	1:102:A:VAL:HG23	16	1.36
(1,1483)	1:53:A:LYS:HG3	1:55:A:GLU:HA	18	1.36
(1,1443)	1:23:A:VAL:HG21	1:24:A:LYS:HA	13	1.36
(1,1443)	1:23:A:VAL:HG22	1:24:A:LYS:HA	13	1.36
(1,1443)	1:23:A:VAL:HG23	1:24:A:LYS:HA	13	1.36
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG21	9	1.36
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG22	9	1.36
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG23	9	1.36
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG21	9	1.36
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG22	9	1.36
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG23	9	1.36
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG21	11	1.36
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG22	11	1.36
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG23	11	1.36
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG21	11	1.36
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG22	11	1.36
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG23	11	1.36
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG21	7	1.36
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG22	7	1.36
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG23	7	1.36
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG21	13	1.36
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG22	13	1.36
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG23	13	1.36
(1,1221)	1:50:A:ASN:HA	1:51:A:VAL:HG21	13	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1221)	1:50:A:ASN:HA	1:51:A:VAL:HG22	13	1.36
(1,1221)	1:50:A:ASN:HA	1:51:A:VAL:HG23	13	1.36
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD21	2	1.36
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD22	2	1.36
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD23	2	1.36
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD21	2	1.36
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD22	2	1.36
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD23	2	1.36
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG11	6	1.36
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG12	6	1.36
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG13	6	1.36
(1,760)	1:5:A:LEU:HD21	1:12:A:CYS:HB3	16	1.36
(1,760)	1:5:A:LEU:HD22	1:12:A:CYS:HB3	16	1.36
(1,760)	1:5:A:LEU:HD23	1:12:A:CYS:HB3	16	1.36
(1,385)	1:60:A:VAL:HG11	1:62:A:GLU:HG2	4	1.36
(1,385)	1:60:A:VAL:HG12	1:62:A:GLU:HG2	4	1.36
(1,385)	1:60:A:VAL:HG13	1:62:A:GLU:HG2	4	1.36
(1,2909)	1:39:A:TRP:HZ2	1:84:A:MET:HG3	7	1.35
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG11	18	1.35
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG12	18	1.35
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG13	18	1.35
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG11	18	1.35
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG12	18	1.35
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG13	18	1.35
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD11	13	1.35
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD12	13	1.35
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD13	13	1.35
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD11	13	1.35
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD12	13	1.35
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD13	13	1.35
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD11	13	1.35
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD12	13	1.35
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD13	13	1.35
(1,1706)	1:61:A:VAL:HG11	1:89:A:ILE:HA	14	1.35
(1,1706)	1:61:A:VAL:HG12	1:89:A:ILE:HA	14	1.35
(1,1706)	1:61:A:VAL:HG13	1:89:A:ILE:HA	14	1.35
(1,1293)	1:13:A:VAL:HG11	1:103:A:GLU:HB3	20	1.35
(1,1293)	1:13:A:VAL:HG12	1:103:A:GLU:HB3	20	1.35
(1,1293)	1:13:A:VAL:HG13	1:103:A:GLU:HB3	20	1.35
(1,1209)	1:100:A:LYS:HD2	1:102:A:VAL:HG11	11	1.35
(1,1209)	1:100:A:LYS:HD2	1:102:A:VAL:HG12	11	1.35
(1,1209)	1:100:A:LYS:HD2	1:102:A:VAL:HG13	11	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1209)	1:100:A:LYS:HD3	1:102:A:VAL:HG11	11	1.35
(1,1209)	1:100:A:LYS:HD3	1:102:A:VAL:HG12	11	1.35
(1,1209)	1:100:A:LYS:HD3	1:102:A:VAL:HG13	11	1.35
(1,1171)	1:100:A:LYS:HB3	1:102:A:VAL:HG11	16	1.35
(1,1171)	1:100:A:LYS:HB3	1:102:A:VAL:HG12	16	1.35
(1,1171)	1:100:A:LYS:HB3	1:102:A:VAL:HG13	16	1.35
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG21	8	1.35
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG22	8	1.35
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG23	8	1.35
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG21	16	1.35
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG22	16	1.35
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG23	16	1.35
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD21	2	1.35
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD22	2	1.35
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD23	2	1.35
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD21	19	1.35
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD22	19	1.35
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD23	19	1.35
(1,386)	1:61:A:VAL:HG11	1:62:A:GLU:HG2	16	1.35
(1,386)	1:61:A:VAL:HG12	1:62:A:GLU:HG2	16	1.35
(1,386)	1:61:A:VAL:HG13	1:62:A:GLU:HG2	16	1.35
(1,231)	1:65:A:ASP:H	1:78:A:PHE:HB3	9	1.35
(1,65)	1:15:A:ASP:HB2	1:100:A:LYS:HB2	12	1.35
(1,2732)	1:22:A:VAL:HG21	1:96:A:ASN:HD22	12	1.34
(1,2732)	1:22:A:VAL:HG22	1:96:A:ASN:HD22	12	1.34
(1,2732)	1:22:A:VAL:HG23	1:96:A:ASN:HD22	12	1.34
(1,2165)	1:5:A:LEU:H	1:14:A:ILE:HG13	2	1.34
(1,1352)	1:5:A:LEU:HD11	1:119:A:VAL:HA	13	1.34
(1,1352)	1:5:A:LEU:HD12	1:119:A:VAL:HA	13	1.34
(1,1352)	1:5:A:LEU:HD13	1:119:A:VAL:HA	13	1.34
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG21	7	1.34
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG22	7	1.34
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG23	7	1.34
(1,1293)	1:13:A:VAL:HG11	1:103:A:GLU:HB3	14	1.34
(1,1293)	1:13:A:VAL:HG12	1:103:A:GLU:HB3	14	1.34
(1,1293)	1:13:A:VAL:HG13	1:103:A:GLU:HB3	14	1.34
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG21	3	1.34
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG22	3	1.34
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG23	3	1.34
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG21	3	1.34
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG22	3	1.34
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG23	3	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG21	3	1.34
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG22	3	1.34
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG23	3	1.34
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG21	19	1.34
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG22	19	1.34
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG23	19	1.34
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG21	19	1.34
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG22	19	1.34
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG23	19	1.34
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG21	19	1.34
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG22	19	1.34
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG23	19	1.34
(1,1266)	1:119:A:VAL:HG21	1:120:A:ARG:HA	9	1.34
(1,1266)	1:119:A:VAL:HG22	1:120:A:ARG:HA	9	1.34
(1,1266)	1:119:A:VAL:HG23	1:120:A:ARG:HA	9	1.34
(1,1082)	1:16:A:LEU:HD21	1:98:A:ILE:HG12	17	1.34
(1,1082)	1:16:A:LEU:HD21	1:98:A:ILE:HG13	17	1.34
(1,1082)	1:16:A:LEU:HD22	1:98:A:ILE:HG12	17	1.34
(1,1082)	1:16:A:LEU:HD22	1:98:A:ILE:HG13	17	1.34
(1,1082)	1:16:A:LEU:HD23	1:98:A:ILE:HG12	17	1.34
(1,1082)	1:16:A:LEU:HD23	1:98:A:ILE:HG13	17	1.34
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD21	2	1.34
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD22	2	1.34
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD23	2	1.34
(1,831)	1:108:A:LEU:HD21	1:111:A:ILE:HG12	16	1.34
(1,831)	1:108:A:LEU:HD22	1:111:A:ILE:HG12	16	1.34
(1,831)	1:108:A:LEU:HD23	1:111:A:ILE:HG12	16	1.34
(1,784)	1:78:A:PHE:H	1:108:A:LEU:HD11	8	1.34
(1,784)	1:78:A:PHE:H	1:108:A:LEU:HD12	8	1.34
(1,784)	1:78:A:PHE:H	1:108:A:LEU:HD13	8	1.34
(1,760)	1:5:A:LEU:HD21	1:12:A:CYS:HB3	4	1.34
(1,760)	1:5:A:LEU:HD22	1:12:A:CYS:HB3	4	1.34
(1,760)	1:5:A:LEU:HD23	1:12:A:CYS:HB3	4	1.34
(1,730)	1:7:A:PHE:HE1	1:77:A:LEU:HG	20	1.34
(1,369)	1:17:A:ASN:HA	1:19:A:GLU:HG3	9	1.34
(1,369)	1:17:A:ASN:HA	1:19:A:GLU:HG3	13	1.34
(1,80)	1:2:A:ARG:HD2	1:15:A:ASP:HB3	1	1.34
(1,65)	1:15:A:ASP:HB2	1:100:A:LYS:HB2	1	1.34
(1,2887)	1:69:A:TRP:HZ3	1:72:A:GLY:HA2	7	1.33
(1,2255)	1:22:A:VAL:HG11	1:51:A:VAL:H	13	1.33
(1,2255)	1:22:A:VAL:HG12	1:51:A:VAL:H	13	1.33
(1,2255)	1:22:A:VAL:HG13	1:51:A:VAL:H	13	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2157)	1:5:A:LEU:H	1:117:A:VAL:HG21	5	1.33
(1,2157)	1:5:A:LEU:H	1:117:A:VAL:HG22	5	1.33
(1,2157)	1:5:A:LEU:H	1:117:A:VAL:HG23	5	1.33
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG11	10	1.33
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG12	10	1.33
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG13	10	1.33
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG11	10	1.33
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG12	10	1.33
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG13	10	1.33
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG11	10	1.33
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG12	10	1.33
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG13	10	1.33
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG11	5	1.33
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG12	5	1.33
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG13	5	1.33
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG21	5	1.33
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG22	5	1.33
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG23	5	1.33
(1,1244)	1:107:A:ASP:HB2	1:108:A:LEU:HD21	16	1.33
(1,1244)	1:107:A:ASP:HB2	1:108:A:LEU:HD22	16	1.33
(1,1244)	1:107:A:ASP:HB2	1:108:A:LEU:HD23	16	1.33
(1,1040)	1:26:A:LEU:HD11	1:48:A:PRO:HD3	16	1.33
(1,1040)	1:26:A:LEU:HD12	1:48:A:PRO:HD3	16	1.33
(1,1040)	1:26:A:LEU:HD13	1:48:A:PRO:HD3	16	1.33
(1,1039)	1:26:A:LEU:HD11	1:47:A:THR:HA	18	1.33
(1,1039)	1:26:A:LEU:HD12	1:47:A:THR:HA	18	1.33
(1,1039)	1:26:A:LEU:HD13	1:47:A:THR:HA	18	1.33
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD21	3	1.33
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD22	3	1.33
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD23	3	1.33
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD21	3	1.33
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD22	3	1.33
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD23	3	1.33
(1,645)	1:52:A:GLN:HE22	1:70:A:PRO:HB2	9	1.33
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG21	20	1.33
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG22	20	1.33
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG23	20	1.33
(1,239)	1:18:A:GLU:HG3	1:24:A:LYS:HG2	11	1.33
(1,2887)	1:69:A:TRP:HZ3	1:72:A:GLY:HA2	13	1.32
(1,2887)	1:69:A:TRP:HZ3	1:72:A:GLY:HA2	17	1.32
(1,2887)	1:69:A:TRP:HZ3	1:72:A:GLY:HA2	18	1.32
(1,2887)	1:69:A:TRP:HZ3	1:72:A:GLY:HA2	19	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG11	9	1.32
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG12	9	1.32
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG13	9	1.32
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG11	9	1.32
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG12	9	1.32
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG13	9	1.32
(1,2127)	1:50:A:ASN:H	1:51:A:VAL:HG21	14	1.32
(1,2127)	1:50:A:ASN:H	1:51:A:VAL:HG22	14	1.32
(1,2127)	1:50:A:ASN:H	1:51:A:VAL:HG23	14	1.32
(1,1443)	1:23:A:VAL:HG21	1:24:A:LYS:HA	4	1.32
(1,1443)	1:23:A:VAL:HG22	1:24:A:LYS:HA	4	1.32
(1,1443)	1:23:A:VAL:HG23	1:24:A:LYS:HA	4	1.32
(1,1340)	1:59:A:GLU:H	1:60:A:VAL:HG21	3	1.32
(1,1340)	1:59:A:GLU:H	1:60:A:VAL:HG22	3	1.32
(1,1340)	1:59:A:GLU:H	1:60:A:VAL:HG23	3	1.32
(1,1304)	1:22:A:VAL:HG21	1:98:A:ILE:HB	20	1.32
(1,1304)	1:22:A:VAL:HG22	1:98:A:ILE:HB	20	1.32
(1,1304)	1:22:A:VAL:HG23	1:98:A:ILE:HB	20	1.32
(1,1137)	1:49:A:VAL:HG21	1:51:A:VAL:H	1	1.32
(1,1137)	1:49:A:VAL:HG22	1:51:A:VAL:H	1	1.32
(1,1137)	1:49:A:VAL:HG23	1:51:A:VAL:H	1	1.32
(1,1137)	1:49:A:VAL:HG21	1:51:A:VAL:H	14	1.32
(1,1137)	1:49:A:VAL:HG22	1:51:A:VAL:H	14	1.32
(1,1137)	1:49:A:VAL:HG23	1:51:A:VAL:H	14	1.32
(1,902)	1:23:A:VAL:HG11	1:98:A:ILE:HB	6	1.32
(1,902)	1:23:A:VAL:HG12	1:98:A:ILE:HB	6	1.32
(1,902)	1:23:A:VAL:HG13	1:98:A:ILE:HB	6	1.32
(1,760)	1:5:A:LEU:HD21	1:12:A:CYS:HB3	15	1.32
(1,760)	1:5:A:LEU:HD22	1:12:A:CYS:HB3	15	1.32
(1,760)	1:5:A:LEU:HD23	1:12:A:CYS:HB3	15	1.32
(1,505)	1:23:A:VAL:HG21	1:27:A:LYS:HB2	5	1.32
(1,505)	1:23:A:VAL:HG22	1:27:A:LYS:HB2	5	1.32
(1,505)	1:23:A:VAL:HG23	1:27:A:LYS:HB2	5	1.32
(1,462)	1:22:A:VAL:HG11	1:49:A:VAL:HB	6	1.32
(1,462)	1:22:A:VAL:HG12	1:49:A:VAL:HB	6	1.32
(1,462)	1:22:A:VAL:HG13	1:49:A:VAL:HB	6	1.32
(1,458)	1:102:A:VAL:HG21	1:103:A:GLU:HB2	16	1.32
(1,458)	1:102:A:VAL:HG22	1:103:A:GLU:HB2	16	1.32
(1,458)	1:102:A:VAL:HG23	1:103:A:GLU:HB2	16	1.32
(1,239)	1:18:A:GLU:HG3	1:24:A:LYS:HG2	19	1.32
(1,65)	1:15:A:ASP:HB2	1:100:A:LYS:HB2	2	1.32
(1,2781)	1:65:A:ASP:HB3	1:78:A:PHE:HD1	11	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2781)	1:65:A:ASP:HB3	1:78:A:PHE:HD2	11	1.31
(1,1706)	1:61:A:VAL:HG11	1:89:A:ILE:HA	10	1.31
(1,1706)	1:61:A:VAL:HG12	1:89:A:ILE:HA	10	1.31
(1,1706)	1:61:A:VAL:HG13	1:89:A:ILE:HA	10	1.31
(1,1443)	1:23:A:VAL:HG21	1:24:A:LYS:HA	11	1.31
(1,1443)	1:23:A:VAL:HG22	1:24:A:LYS:HA	11	1.31
(1,1443)	1:23:A:VAL:HG23	1:24:A:LYS:HA	11	1.31
(1,1443)	1:23:A:VAL:HG21	1:24:A:LYS:HA	12	1.31
(1,1443)	1:23:A:VAL:HG22	1:24:A:LYS:HA	12	1.31
(1,1443)	1:23:A:VAL:HG23	1:24:A:LYS:HA	12	1.31
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG11	17	1.31
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG12	17	1.31
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG13	17	1.31
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG11	17	1.31
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG12	17	1.31
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG13	17	1.31
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG11	17	1.31
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG12	17	1.31
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG13	17	1.31
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG11	2	1.31
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG12	2	1.31
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG13	2	1.31
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG11	17	1.31
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG12	17	1.31
(1,1368)	1:34:A:SER:H	1:119:A:VAL:HG13	17	1.31
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG21	13	1.31
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG22	13	1.31
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG23	13	1.31
(1,932)	1:105:A:LEU:HD11	1:106:A:GLU:HA	18	1.31
(1,932)	1:105:A:LEU:HD12	1:106:A:GLU:HA	18	1.31
(1,932)	1:105:A:LEU:HD13	1:106:A:GLU:HA	18	1.31
(1,730)	1:7:A:PHE:HE2	1:77:A:LEU:HG	14	1.31
(1,633)	1:56:A:ASN:HB2	1:97:A:VAL:HB	5	1.31
(1,612)	1:1:A:MET:HG2	1:16:A:LEU:HB3	17	1.31
(1,596)	1:12:A:CYS:HB2	1:103:A:GLU:H	18	1.31
(1,549)	1:62:A:GLU:HB3	1:65:A:ASP:HB3	17	1.31
(1,348)	1:54:A:MET:HB3	1:57:A:PRO:HG3	4	1.31
(1,80)	1:2:A:ARG:HD2	1:15:A:ASP:HB3	18	1.31
(1,2894)	1:39:A:TRP:HZ3	1:84:A:MET:HB3	16	1.3
(1,2075)	1:95:A:VAL:HG21	1:97:A:VAL:H	19	1.3
(1,2075)	1:95:A:VAL:HG22	1:97:A:VAL:H	19	1.3
(1,2075)	1:95:A:VAL:HG23	1:97:A:VAL:H	19	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1443)	1:23:A:VAL:HG21	1:24:A:LYS:HA	5	1.3
(1,1443)	1:23:A:VAL:HG22	1:24:A:LYS:HA	5	1.3
(1,1443)	1:23:A:VAL:HG23	1:24:A:LYS:HA	5	1.3
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG21	1	1.3
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG22	1	1.3
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG23	1	1.3
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG21	1	1.3
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG22	1	1.3
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG23	1	1.3
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG21	11	1.3
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG22	11	1.3
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG23	11	1.3
(1,1217)	1:25:A:LEU:HD21	1:29:A:LYS:HE2	13	1.3
(1,1217)	1:25:A:LEU:HD21	1:29:A:LYS:HE3	13	1.3
(1,1217)	1:25:A:LEU:HD22	1:29:A:LYS:HE2	13	1.3
(1,1217)	1:25:A:LEU:HD22	1:29:A:LYS:HE3	13	1.3
(1,1217)	1:25:A:LEU:HD23	1:29:A:LYS:HE2	13	1.3
(1,1217)	1:25:A:LEU:HD23	1:29:A:LYS:HE3	13	1.3
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG21	5	1.3
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG22	5	1.3
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG23	5	1.3
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG21	5	1.3
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG22	5	1.3
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG23	5	1.3
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG21	5	1.3
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG22	5	1.3
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG23	5	1.3
(1,1040)	1:26:A:LEU:HD11	1:48:A:PRO:HD3	20	1.3
(1,1040)	1:26:A:LEU:HD12	1:48:A:PRO:HD3	20	1.3
(1,1040)	1:26:A:LEU:HD13	1:48:A:PRO:HD3	20	1.3
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD21	12	1.3
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD22	12	1.3
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD23	12	1.3
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD21	12	1.3
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD22	12	1.3
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD23	12	1.3
(1,819)	1:108:A:LEU:HD21	1:111:A:ILE:HG13	8	1.3
(1,819)	1:108:A:LEU:HD22	1:111:A:ILE:HG13	8	1.3
(1,819)	1:108:A:LEU:HD23	1:111:A:ILE:HG13	8	1.3
(1,596)	1:12:A:CYS:HB2	1:103:A:GLU:H	16	1.3
(1,386)	1:61:A:VAL:HG11	1:62:A:GLU:HG2	13	1.3
(1,386)	1:61:A:VAL:HG12	1:62:A:GLU:HG2	13	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,386)	1:61:A:VAL:HG13	1:62:A:GLU:HG2	13	1.3
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG21	16	1.3
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG22	16	1.3
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG23	16	1.3
(1,2619)	1:26:A:LEU:HD11	1:49:A:VAL:H	5	1.29
(1,2619)	1:26:A:LEU:HD12	1:49:A:VAL:H	5	1.29
(1,2619)	1:26:A:LEU:HD13	1:49:A:VAL:H	5	1.29
(1,2255)	1:22:A:VAL:HG11	1:51:A:VAL:H	1	1.29
(1,2255)	1:22:A:VAL:HG12	1:51:A:VAL:H	1	1.29
(1,2255)	1:22:A:VAL:HG13	1:51:A:VAL:H	1	1.29
(1,2165)	1:5:A:LEU:H	1:14:A:ILE:HG13	15	1.29
(1,1738)	1:7:A:PHE:HE1	1:43:A:ILE:HD13	11	1.29
(1,1706)	1:61:A:VAL:HG11	1:89:A:ILE:HA	9	1.29
(1,1706)	1:61:A:VAL:HG12	1:89:A:ILE:HA	9	1.29
(1,1706)	1:61:A:VAL:HG13	1:89:A:ILE:HA	9	1.29
(1,1443)	1:23:A:VAL:HG21	1:24:A:LYS:HA	9	1.29
(1,1443)	1:23:A:VAL:HG22	1:24:A:LYS:HA	9	1.29
(1,1443)	1:23:A:VAL:HG23	1:24:A:LYS:HA	9	1.29
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG11	6	1.29
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG12	6	1.29
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG13	6	1.29
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG11	12	1.29
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG12	12	1.29
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG13	12	1.29
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG21	7	1.29
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG22	7	1.29
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG23	7	1.29
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG21	7	1.29
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG22	7	1.29
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG23	7	1.29
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG21	2	1.29
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG22	2	1.29
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG23	2	1.29
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG21	2	1.29
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG22	2	1.29
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG23	2	1.29
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG21	2	1.29
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG22	2	1.29
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG23	2	1.29
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG21	3	1.29
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG22	3	1.29
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG23	3	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1260)	1:60:A:VAL:HG11	1:89:A:ILE:H	18	1.29
(1,1260)	1:60:A:VAL:HG12	1:89:A:ILE:H	18	1.29
(1,1260)	1:60:A:VAL:HG13	1:89:A:ILE:H	18	1.29
(1,1210)	1:100:A:LYS:HA	1:102:A:VAL:HG11	14	1.29
(1,1210)	1:100:A:LYS:HA	1:102:A:VAL:HG12	14	1.29
(1,1210)	1:100:A:LYS:HA	1:102:A:VAL:HG13	14	1.29
(1,1210)	1:100:A:LYS:HA	1:102:A:VAL:HG11	16	1.29
(1,1210)	1:100:A:LYS:HA	1:102:A:VAL:HG12	16	1.29
(1,1210)	1:100:A:LYS:HA	1:102:A:VAL:HG13	16	1.29
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD21	16	1.29
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD22	16	1.29
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD23	16	1.29
(1,882)	1:7:A:PHE:HE1	1:77:A:LEU:HD12	5	1.29
(1,784)	1:78:A:PHE:H	1:108:A:LEU:HD11	12	1.29
(1,784)	1:78:A:PHE:H	1:108:A:LEU:HD12	12	1.29
(1,784)	1:78:A:PHE:H	1:108:A:LEU:HD13	12	1.29
(1,761)	1:5:A:LEU:HD21	1:14:A:ILE:HG13	12	1.29
(1,761)	1:5:A:LEU:HD22	1:14:A:ILE:HG13	12	1.29
(1,761)	1:5:A:LEU:HD23	1:14:A:ILE:HG13	12	1.29
(1,753)	1:5:A:LEU:HD21	1:12:A:CYS:HB2	2	1.29
(1,753)	1:5:A:LEU:HD22	1:12:A:CYS:HB2	2	1.29
(1,753)	1:5:A:LEU:HD23	1:12:A:CYS:HB2	2	1.29
(1,751)	1:5:A:LEU:HD23	1:7:A:PHE:HE1	2	1.29
(1,369)	1:17:A:ASN:HA	1:19:A:GLU:HG3	14	1.29
(1,65)	1:15:A:ASP:HB2	1:100:A:LYS:HB2	18	1.29
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG11	1	1.28
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG12	1	1.28
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG13	1	1.28
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG11	1	1.28
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG12	1	1.28
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG13	1	1.28
(1,2732)	1:22:A:VAL:HG21	1:96:A:ASN:HD22	14	1.28
(1,2732)	1:22:A:VAL:HG22	1:96:A:ASN:HD22	14	1.28
(1,2732)	1:22:A:VAL:HG23	1:96:A:ASN:HD22	14	1.28
(1,2619)	1:26:A:LEU:HD11	1:49:A:VAL:H	17	1.28
(1,2619)	1:26:A:LEU:HD12	1:49:A:VAL:H	17	1.28
(1,2619)	1:26:A:LEU:HD13	1:49:A:VAL:H	17	1.28
(1,1706)	1:61:A:VAL:HG11	1:89:A:ILE:HA	4	1.28
(1,1706)	1:61:A:VAL:HG12	1:89:A:ILE:HA	4	1.28
(1,1706)	1:61:A:VAL:HG13	1:89:A:ILE:HA	4	1.28
(1,1693)	1:27:A:LYS:HG3	1:28:A:GLU:HA	13	1.28
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG21	18	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG22	18	1.28
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG23	18	1.28
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG21	18	1.28
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG22	18	1.28
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG23	18	1.28
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG21	18	1.28
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG22	18	1.28
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG23	18	1.28
(1,1443)	1:23:A:VAL:HG21	1:24:A:LYS:HA	3	1.28
(1,1443)	1:23:A:VAL:HG22	1:24:A:LYS:HA	3	1.28
(1,1443)	1:23:A:VAL:HG23	1:24:A:LYS:HA	3	1.28
(1,1443)	1:23:A:VAL:HG21	1:24:A:LYS:HA	7	1.28
(1,1443)	1:23:A:VAL:HG22	1:24:A:LYS:HA	7	1.28
(1,1443)	1:23:A:VAL:HG23	1:24:A:LYS:HA	7	1.28
(1,1443)	1:23:A:VAL:HG21	1:24:A:LYS:HA	14	1.28
(1,1443)	1:23:A:VAL:HG22	1:24:A:LYS:HA	14	1.28
(1,1443)	1:23:A:VAL:HG23	1:24:A:LYS:HA	14	1.28
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG11	5	1.28
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG12	5	1.28
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG13	5	1.28
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG11	5	1.28
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG12	5	1.28
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG13	5	1.28
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG11	5	1.28
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG12	5	1.28
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG13	5	1.28
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG21	2	1.28
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG22	2	1.28
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG23	2	1.28
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG21	2	1.28
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG22	2	1.28
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG23	2	1.28
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG21	2	1.28
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG22	2	1.28
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG23	2	1.28
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG21	2	1.28
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG22	2	1.28
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG23	2	1.28
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG21	8	1.28
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG22	8	1.28
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG23	8	1.28
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG21	8	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG22	8	1.28
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG23	8	1.28
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG21	20	1.28
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG22	20	1.28
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG23	20	1.28
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG21	20	1.28
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG22	20	1.28
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG23	20	1.28
(1,1239)	1:108:A:LEU:HD21	1:110:A:LYS:HG2	10	1.28
(1,1239)	1:108:A:LEU:HD22	1:110:A:LYS:HG2	10	1.28
(1,1239)	1:108:A:LEU:HD23	1:110:A:LYS:HG2	10	1.28
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG21	10	1.28
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG22	10	1.28
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG23	10	1.28
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG21	17	1.28
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG22	17	1.28
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG23	17	1.28
(1,1032)	1:26:A:LEU:HD11	1:47:A:THR:HB	4	1.28
(1,1032)	1:26:A:LEU:HD12	1:47:A:THR:HB	4	1.28
(1,1032)	1:26:A:LEU:HD13	1:47:A:THR:HB	4	1.28
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD21	1	1.28
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD22	1	1.28
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD23	1	1.28
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD21	6	1.28
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD22	6	1.28
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD23	6	1.28
(1,761)	1:5:A:LEU:HD21	1:14:A:ILE:HG13	20	1.28
(1,761)	1:5:A:LEU:HD22	1:14:A:ILE:HG13	20	1.28
(1,761)	1:5:A:LEU:HD23	1:14:A:ILE:HG13	20	1.28
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG2	15	1.28
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG3	15	1.28
(1,239)	1:18:A:GLU:HG3	1:24:A:LYS:HG2	2	1.28
(1,2619)	1:26:A:LEU:HD11	1:49:A:VAL:H	13	1.27
(1,2619)	1:26:A:LEU:HD12	1:49:A:VAL:H	13	1.27
(1,2619)	1:26:A:LEU:HD13	1:49:A:VAL:H	13	1.27
(1,2144)	1:7:A:PHE:H	1:117:A:VAL:HG21	2	1.27
(1,2144)	1:7:A:PHE:H	1:117:A:VAL:HG22	2	1.27
(1,2144)	1:7:A:PHE:H	1:117:A:VAL:HG23	2	1.27
(1,1693)	1:27:A:LYS:HG3	1:28:A:GLU:HA	7	1.27
(1,1587)	1:101:A:ILE:HG21	1:105:A:LEU:HB3	6	1.27
(1,1587)	1:101:A:ILE:HG22	1:105:A:LEU:HB3	6	1.27
(1,1587)	1:101:A:ILE:HG23	1:105:A:LEU:HB3	6	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1443)	1:23:A:VAL:HG21	1:24:A:LYS:HA	15	1.27
(1,1443)	1:23:A:VAL:HG22	1:24:A:LYS:HA	15	1.27
(1,1443)	1:23:A:VAL:HG23	1:24:A:LYS:HA	15	1.27
(1,1443)	1:23:A:VAL:HG21	1:24:A:LYS:HA	20	1.27
(1,1443)	1:23:A:VAL:HG22	1:24:A:LYS:HA	20	1.27
(1,1443)	1:23:A:VAL:HG23	1:24:A:LYS:HA	20	1.27
(1,1352)	1:5:A:LEU:HD11	1:119:A:VAL:HA	9	1.27
(1,1352)	1:5:A:LEU:HD12	1:119:A:VAL:HA	9	1.27
(1,1352)	1:5:A:LEU:HD13	1:119:A:VAL:HA	9	1.27
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG21	6	1.27
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG22	6	1.27
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG23	6	1.27
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG21	6	1.27
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG22	6	1.27
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG23	6	1.27
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG11	13	1.27
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG12	13	1.27
(1,1306)	1:22:A:VAL:HG21	1:23:A:VAL:HG13	13	1.27
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG11	13	1.27
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG12	13	1.27
(1,1306)	1:22:A:VAL:HG22	1:23:A:VAL:HG13	13	1.27
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG11	13	1.27
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG12	13	1.27
(1,1306)	1:22:A:VAL:HG23	1:23:A:VAL:HG13	13	1.27
(1,1298)	1:22:A:VAL:HG21	1:96:A:ASN:HD21	8	1.27
(1,1298)	1:22:A:VAL:HG22	1:96:A:ASN:HD21	8	1.27
(1,1298)	1:22:A:VAL:HG23	1:96:A:ASN:HD21	8	1.27
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD21	5	1.27
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD22	5	1.27
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD23	5	1.27
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD21	5	1.27
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD22	5	1.27
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD23	5	1.27
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD21	11	1.27
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD22	11	1.27
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD23	11	1.27
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD21	17	1.27
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD22	17	1.27
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD23	17	1.27
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD21	20	1.27
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD22	20	1.27
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD23	20	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG21	8	1.27
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG22	8	1.27
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG23	8	1.27
(1,505)	1:23:A:VAL:HG21	1:27:A:LYS:HB2	8	1.27
(1,505)	1:23:A:VAL:HG22	1:27:A:LYS:HB2	8	1.27
(1,505)	1:23:A:VAL:HG23	1:27:A:LYS:HB2	8	1.27
(1,385)	1:60:A:VAL:HG11	1:62:A:GLU:HG2	7	1.27
(1,385)	1:60:A:VAL:HG12	1:62:A:GLU:HG2	7	1.27
(1,385)	1:60:A:VAL:HG13	1:62:A:GLU:HG2	7	1.27
(1,2722)	1:61:A:VAL:HG21	1:95:A:VAL:H	13	1.26
(1,2722)	1:61:A:VAL:HG22	1:95:A:VAL:H	13	1.26
(1,2722)	1:61:A:VAL:HG23	1:95:A:VAL:H	13	1.26
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD11	19	1.26
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD12	19	1.26
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD13	19	1.26
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG11	13	1.26
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG12	13	1.26
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG13	13	1.26
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG11	13	1.26
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG12	13	1.26
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG13	13	1.26
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG11	13	1.26
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG12	13	1.26
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG13	13	1.26
(1,1388)	1:51:A:VAL:HA	1:52:A:GLN:HB2	6	1.26
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG11	18	1.26
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG12	18	1.26
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG13	18	1.26
(1,1343)	1:13:A:VAL:HG21	1:14:A:ILE:H	14	1.26
(1,1343)	1:13:A:VAL:HG22	1:14:A:ILE:H	14	1.26
(1,1343)	1:13:A:VAL:HG23	1:14:A:ILE:H	14	1.26
(1,1343)	1:13:A:VAL:HG21	1:14:A:ILE:H	17	1.26
(1,1343)	1:13:A:VAL:HG22	1:14:A:ILE:H	17	1.26
(1,1343)	1:13:A:VAL:HG23	1:14:A:ILE:H	17	1.26
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG21	15	1.26
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG22	15	1.26
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG23	15	1.26
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG21	15	1.26
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG22	15	1.26
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG23	15	1.26
(1,1051)	1:58:A:ARG:HG2	1:97:A:VAL:HG21	4	1.26
(1,1051)	1:58:A:ARG:HG2	1:97:A:VAL:HG22	4	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1051)	1:58:A:ARG:HG2	1:97:A:VAL:HG23	4	1.26
(1,1040)	1:26:A:LEU:HD11	1:48:A:PRO:HD3	14	1.26
(1,1040)	1:26:A:LEU:HD12	1:48:A:PRO:HD3	14	1.26
(1,1040)	1:26:A:LEU:HD13	1:48:A:PRO:HD3	14	1.26
(1,1036)	1:26:A:LEU:HD11	1:48:A:PRO:HG3	7	1.26
(1,1036)	1:26:A:LEU:HD12	1:48:A:PRO:HG3	7	1.26
(1,1036)	1:26:A:LEU:HD13	1:48:A:PRO:HG3	7	1.26
(1,1032)	1:26:A:LEU:HD11	1:47:A:THR:HB	1	1.26
(1,1032)	1:26:A:LEU:HD12	1:47:A:THR:HB	1	1.26
(1,1032)	1:26:A:LEU:HD13	1:47:A:THR:HB	1	1.26
(1,948)	1:1:A:MET:HB2	1:16:A:LEU:HD11	8	1.26
(1,948)	1:1:A:MET:HB2	1:16:A:LEU:HD12	8	1.26
(1,948)	1:1:A:MET:HB2	1:16:A:LEU:HD13	8	1.26
(1,948)	1:1:A:MET:HB3	1:16:A:LEU:HD11	8	1.26
(1,948)	1:1:A:MET:HB3	1:16:A:LEU:HD12	8	1.26
(1,948)	1:1:A:MET:HB3	1:16:A:LEU:HD13	8	1.26
(1,703)	1:81:A:LYS:HD2	1:85:A:SER:HB2	17	1.26
(1,458)	1:102:A:VAL:HG21	1:103:A:GLU:HB2	14	1.26
(1,458)	1:102:A:VAL:HG22	1:103:A:GLU:HB2	14	1.26
(1,458)	1:102:A:VAL:HG23	1:103:A:GLU:HB2	14	1.26
(1,80)	1:2:A:ARG:HD2	1:15:A:ASP:HB3	19	1.26
(1,65)	1:15:A:ASP:HB2	1:100:A:LYS:HB2	5	1.26
(1,2781)	1:65:A:ASP:HB3	1:78:A:PHE:HD1	18	1.25
(1,2781)	1:65:A:ASP:HB3	1:78:A:PHE:HD2	18	1.25
(1,1738)	1:7:A:PHE:HE1	1:43:A:ILE:HD11	5	1.25
(1,1443)	1:23:A:VAL:HG21	1:24:A:LYS:HA	19	1.25
(1,1443)	1:23:A:VAL:HG22	1:24:A:LYS:HA	19	1.25
(1,1443)	1:23:A:VAL:HG23	1:24:A:LYS:HA	19	1.25
(1,1407)	1:22:A:VAL:HG11	1:26:A:LEU:HG	18	1.25
(1,1407)	1:22:A:VAL:HG12	1:26:A:LEU:HG	18	1.25
(1,1407)	1:22:A:VAL:HG13	1:26:A:LEU:HG	18	1.25
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG11	14	1.25
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG12	14	1.25
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG13	14	1.25
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG21	6	1.25
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG22	6	1.25
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG23	6	1.25
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG21	6	1.25
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG22	6	1.25
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG23	6	1.25
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG21	6	1.25
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG22	6	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG23	6	1.25
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG21	15	1.25
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG22	15	1.25
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG23	15	1.25
(1,1210)	1:100:A:LYS:HA	1:102:A:VAL:HG11	8	1.25
(1,1210)	1:100:A:LYS:HA	1:102:A:VAL:HG12	8	1.25
(1,1210)	1:100:A:LYS:HA	1:102:A:VAL:HG13	8	1.25
(1,1171)	1:100:A:LYS:HB3	1:102:A:VAL:HG11	11	1.25
(1,1171)	1:100:A:LYS:HB3	1:102:A:VAL:HG12	11	1.25
(1,1171)	1:100:A:LYS:HB3	1:102:A:VAL:HG13	11	1.25
(1,1137)	1:49:A:VAL:HG21	1:51:A:VAL:H	16	1.25
(1,1137)	1:49:A:VAL:HG22	1:51:A:VAL:H	16	1.25
(1,1137)	1:49:A:VAL:HG23	1:51:A:VAL:H	16	1.25
(1,1080)	1:16:A:LEU:HD21	1:99:A:GLY:HA3	4	1.25
(1,1080)	1:16:A:LEU:HD22	1:99:A:GLY:HA3	4	1.25
(1,1080)	1:16:A:LEU:HD23	1:99:A:GLY:HA3	4	1.25
(1,1040)	1:26:A:LEU:HD11	1:48:A:PRO:HD3	7	1.25
(1,1040)	1:26:A:LEU:HD12	1:48:A:PRO:HD3	7	1.25
(1,1040)	1:26:A:LEU:HD13	1:48:A:PRO:HD3	7	1.25
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD21	11	1.25
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD22	11	1.25
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD23	11	1.25
(1,932)	1:105:A:LEU:HD11	1:106:A:GLU:HA	1	1.25
(1,932)	1:105:A:LEU:HD12	1:106:A:GLU:HA	1	1.25
(1,932)	1:105:A:LEU:HD13	1:106:A:GLU:HA	1	1.25
(1,902)	1:23:A:VAL:HG11	1:98:A:ILE:HB	13	1.25
(1,902)	1:23:A:VAL:HG12	1:98:A:ILE:HB	13	1.25
(1,902)	1:23:A:VAL:HG13	1:98:A:ILE:HB	13	1.25
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG21	11	1.25
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG22	11	1.25
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG23	11	1.25
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG21	11	1.25
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG22	11	1.25
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG23	11	1.25
(1,462)	1:22:A:VAL:HG11	1:49:A:VAL:HB	16	1.25
(1,462)	1:22:A:VAL:HG12	1:49:A:VAL:HB	16	1.25
(1,462)	1:22:A:VAL:HG13	1:49:A:VAL:HB	16	1.25
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG2	8	1.25
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG3	8	1.25
(1,2843)	1:26:A:LEU:HD11	1:32:A:PHE:HE1	4	1.24
(1,2843)	1:26:A:LEU:HD11	1:32:A:PHE:HE2	4	1.24
(1,2843)	1:26:A:LEU:HD12	1:32:A:PHE:HE1	4	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2843)	1:26:A:LEU:HD12	1:32:A:PHE:HE2	4	1.24
(1,2843)	1:26:A:LEU:HD13	1:32:A:PHE:HE1	4	1.24
(1,2843)	1:26:A:LEU:HD13	1:32:A:PHE:HE2	4	1.24
(1,2829)	1:27:A:LYS:HG3	1:121:A:PHE:HZ	13	1.24
(1,2773)	1:79:A:PHE:HD1	1:109:A:LYS:HD3	10	1.24
(1,2773)	1:79:A:PHE:HD2	1:109:A:LYS:HD3	10	1.24
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG11	2	1.24
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG12	2	1.24
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG13	2	1.24
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG11	2	1.24
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG12	2	1.24
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG13	2	1.24
(1,2697)	1:17:A:ASN:HD22	1:19:A:GLU:HB3	9	1.24
(1,2619)	1:26:A:LEU:HD11	1:49:A:VAL:H	15	1.24
(1,2619)	1:26:A:LEU:HD12	1:49:A:VAL:H	15	1.24
(1,2619)	1:26:A:LEU:HD13	1:49:A:VAL:H	15	1.24
(1,2165)	1:5:A:LEU:H	1:14:A:ILE:HG13	20	1.24
(1,1693)	1:27:A:LYS:HG3	1:28:A:GLU:HA	4	1.24
(1,1443)	1:23:A:VAL:HG21	1:24:A:LYS:HA	17	1.24
(1,1443)	1:23:A:VAL:HG22	1:24:A:LYS:HA	17	1.24
(1,1443)	1:23:A:VAL:HG23	1:24:A:LYS:HA	17	1.24
(1,1343)	1:13:A:VAL:HG21	1:14:A:ILE:H	6	1.24
(1,1343)	1:13:A:VAL:HG22	1:14:A:ILE:H	6	1.24
(1,1343)	1:13:A:VAL:HG23	1:14:A:ILE:H	6	1.24
(1,1340)	1:59:A:GLU:H	1:60:A:VAL:HG21	15	1.24
(1,1340)	1:59:A:GLU:H	1:60:A:VAL:HG22	15	1.24
(1,1340)	1:59:A:GLU:H	1:60:A:VAL:HG23	15	1.24
(1,1171)	1:100:A:LYS:HB3	1:102:A:VAL:HG11	3	1.24
(1,1171)	1:100:A:LYS:HB3	1:102:A:VAL:HG12	3	1.24
(1,1171)	1:100:A:LYS:HB3	1:102:A:VAL:HG13	3	1.24
(1,1058)	1:81:A:LYS:HG2	1:85:A:SER:HB2	5	1.24
(1,1056)	1:85:A:SER:HB2	1:86:A:ASP:HA	11	1.24
(1,902)	1:23:A:VAL:HG11	1:98:A:ILE:HB	3	1.24
(1,902)	1:23:A:VAL:HG12	1:98:A:ILE:HB	3	1.24
(1,902)	1:23:A:VAL:HG13	1:98:A:ILE:HB	3	1.24
(1,584)	1:48:A:PRO:HB2	1:49:A:VAL:HG11	1	1.24
(1,584)	1:48:A:PRO:HB2	1:49:A:VAL:HG12	1	1.24
(1,584)	1:48:A:PRO:HB2	1:49:A:VAL:HG13	1	1.24
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG21	10	1.24
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG22	10	1.24
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG23	10	1.24
(1,342)	1:41:A:GLU:HG2	1:79:A:PHE:HZ	10	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,342)	1:41:A:GLU:HG2	1:79:A:PHE:HZ	16	1.24
(1,65)	1:15:A:ASP:HB2	1:100:A:LYS:HB2	4	1.24
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD11	12	1.23
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD12	12	1.23
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD13	12	1.23
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD11	12	1.23
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD12	12	1.23
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD13	12	1.23
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD11	12	1.23
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD12	12	1.23
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD13	12	1.23
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD11	1	1.23
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD12	1	1.23
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD13	1	1.23
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD11	1	1.23
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD12	1	1.23
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD13	1	1.23
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD11	1	1.23
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD12	1	1.23
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD13	1	1.23
(1,1706)	1:61:A:VAL:HG11	1:89:A:ILE:HA	13	1.23
(1,1706)	1:61:A:VAL:HG12	1:89:A:ILE:HA	13	1.23
(1,1706)	1:61:A:VAL:HG13	1:89:A:ILE:HA	13	1.23
(1,1443)	1:23:A:VAL:HG21	1:24:A:LYS:HA	6	1.23
(1,1443)	1:23:A:VAL:HG22	1:24:A:LYS:HA	6	1.23
(1,1443)	1:23:A:VAL:HG23	1:24:A:LYS:HA	6	1.23
(1,1355)	1:65:A:ASP:HA	1:97:A:VAL:HG11	4	1.23
(1,1355)	1:65:A:ASP:HA	1:97:A:VAL:HG12	4	1.23
(1,1355)	1:65:A:ASP:HA	1:97:A:VAL:HG13	4	1.23
(1,1343)	1:13:A:VAL:HG21	1:14:A:ILE:H	2	1.23
(1,1343)	1:13:A:VAL:HG22	1:14:A:ILE:H	2	1.23
(1,1343)	1:13:A:VAL:HG23	1:14:A:ILE:H	2	1.23
(1,1293)	1:13:A:VAL:HG11	1:103:A:GLU:HB3	4	1.23
(1,1293)	1:13:A:VAL:HG12	1:103:A:GLU:HB3	4	1.23
(1,1293)	1:13:A:VAL:HG13	1:103:A:GLU:HB3	4	1.23
(1,1293)	1:13:A:VAL:HG11	1:103:A:GLU:HB3	10	1.23
(1,1293)	1:13:A:VAL:HG12	1:103:A:GLU:HB3	10	1.23
(1,1293)	1:13:A:VAL:HG13	1:103:A:GLU:HB3	10	1.23
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG21	10	1.23
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG22	10	1.23
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG23	10	1.23
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG21	10	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG22	10	1.23
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG23	10	1.23
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG21	10	1.23
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG22	10	1.23
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG23	10	1.23
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG21	2	1.23
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG22	2	1.23
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG23	2	1.23
(1,1242)	1:11:A:LYS:H	1:108:A:LEU:HD21	1	1.23
(1,1242)	1:11:A:LYS:H	1:108:A:LEU:HD22	1	1.23
(1,1242)	1:11:A:LYS:H	1:108:A:LEU:HD23	1	1.23
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG21	15	1.23
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG22	15	1.23
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG23	15	1.23
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG21	15	1.23
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG22	15	1.23
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG23	15	1.23
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG21	15	1.23
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG22	15	1.23
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG23	15	1.23
(1,1039)	1:26:A:LEU:HD11	1:47:A:THR:HA	20	1.23
(1,1039)	1:26:A:LEU:HD12	1:47:A:THR:HA	20	1.23
(1,1039)	1:26:A:LEU:HD13	1:47:A:THR:HA	20	1.23
(1,730)	1:7:A:PHE:HE2	1:77:A:LEU:HG	15	1.23
(1,633)	1:56:A:ASN:HB2	1:97:A:VAL:HB	17	1.23
(1,584)	1:48:A:PRO:HB2	1:49:A:VAL:HG11	2	1.23
(1,584)	1:48:A:PRO:HB2	1:49:A:VAL:HG12	2	1.23
(1,584)	1:48:A:PRO:HB2	1:49:A:VAL:HG13	2	1.23
(1,584)	1:48:A:PRO:HB2	1:49:A:VAL:HG11	4	1.23
(1,584)	1:48:A:PRO:HB2	1:49:A:VAL:HG12	4	1.23
(1,584)	1:48:A:PRO:HB2	1:49:A:VAL:HG13	4	1.23
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG21	1	1.23
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG22	1	1.23
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG23	1	1.23
(1,505)	1:23:A:VAL:HG21	1:27:A:LYS:HB2	2	1.23
(1,505)	1:23:A:VAL:HG22	1:27:A:LYS:HB2	2	1.23
(1,505)	1:23:A:VAL:HG23	1:27:A:LYS:HB2	2	1.23
(1,471)	1:52:A:GLN:HG2	1:70:A:PRO:HB3	19	1.23
(1,471)	1:52:A:GLN:HG3	1:70:A:PRO:HB3	19	1.23
(1,465)	1:58:A:ARG:HB3	1:95:A:VAL:HG21	19	1.23
(1,465)	1:58:A:ARG:HB3	1:95:A:VAL:HG22	19	1.23
(1,465)	1:58:A:ARG:HB3	1:95:A:VAL:HG23	19	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,239)	1:18:A:GLU:HG3	1:24:A:LYS:HG2	10	1.23
(1,189)	1:106:A:GLU:H	1:107:A:ASP:HB2	17	1.23
(1,77)	1:2:A:ARG:HD3	1:15:A:ASP:HB3	3	1.23
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG11	13	1.22
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG12	13	1.22
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG13	13	1.22
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG11	13	1.22
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG12	13	1.22
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG13	13	1.22
(1,2760)	1:32:A:PHE:HD1	1:48:A:PRO:HG2	12	1.22
(1,2760)	1:32:A:PHE:HD2	1:48:A:PRO:HG2	12	1.22
(1,2722)	1:61:A:VAL:HG21	1:95:A:VAL:H	7	1.22
(1,2722)	1:61:A:VAL:HG22	1:95:A:VAL:H	7	1.22
(1,2722)	1:61:A:VAL:HG23	1:95:A:VAL:H	7	1.22
(1,2080)	1:56:A:ASN:HB2	1:97:A:VAL:H	17	1.22
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD11	18	1.22
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD12	18	1.22
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD13	18	1.22
(1,1711)	1:61:A:VAL:HG11	1:78:A:PHE:HB3	9	1.22
(1,1711)	1:61:A:VAL:HG12	1:78:A:PHE:HB3	9	1.22
(1,1711)	1:61:A:VAL:HG13	1:78:A:PHE:HB3	9	1.22
(1,1706)	1:61:A:VAL:HG11	1:89:A:ILE:HA	16	1.22
(1,1706)	1:61:A:VAL:HG12	1:89:A:ILE:HA	16	1.22
(1,1706)	1:61:A:VAL:HG13	1:89:A:ILE:HA	16	1.22
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG21	7	1.22
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG22	7	1.22
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG23	7	1.22
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG21	7	1.22
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG22	7	1.22
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG23	7	1.22
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG21	7	1.22
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG22	7	1.22
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG23	7	1.22
(1,1443)	1:23:A:VAL:HG21	1:24:A:LYS:HA	1	1.22
(1,1443)	1:23:A:VAL:HG22	1:24:A:LYS:HA	1	1.22
(1,1443)	1:23:A:VAL:HG23	1:24:A:LYS:HA	1	1.22
(1,1407)	1:22:A:VAL:HG11	1:26:A:LEU:HG	13	1.22
(1,1407)	1:22:A:VAL:HG12	1:26:A:LEU:HG	13	1.22
(1,1407)	1:22:A:VAL:HG13	1:26:A:LEU:HG	13	1.22
(1,1340)	1:59:A:GLU:H	1:60:A:VAL:HG21	4	1.22
(1,1340)	1:59:A:GLU:H	1:60:A:VAL:HG22	4	1.22
(1,1340)	1:59:A:GLU:H	1:60:A:VAL:HG23	4	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1340)	1:59:A:GLU:H	1:60:A:VAL:HG21	14	1.22
(1,1340)	1:59:A:GLU:H	1:60:A:VAL:HG22	14	1.22
(1,1340)	1:59:A:GLU:H	1:60:A:VAL:HG23	14	1.22
(1,1340)	1:59:A:GLU:H	1:60:A:VAL:HG21	17	1.22
(1,1340)	1:59:A:GLU:H	1:60:A:VAL:HG22	17	1.22
(1,1340)	1:59:A:GLU:H	1:60:A:VAL:HG23	17	1.22
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG21	11	1.22
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG22	11	1.22
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG23	11	1.22
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG21	11	1.22
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG22	11	1.22
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG23	11	1.22
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG21	11	1.22
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG22	11	1.22
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG23	11	1.22
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD11	4	1.22
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD12	4	1.22
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD13	4	1.22
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD11	4	1.22
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD12	4	1.22
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD13	4	1.22
(1,882)	1:7:A:PHE:HE2	1:77:A:LEU:HD11	14	1.22
(1,549)	1:62:A:GLU:HB3	1:65:A:ASP:HB3	3	1.22
(1,80)	1:2:A:ARG:HD2	1:15:A:ASP:HB3	12	1.22
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG11	4	1.21
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG12	4	1.21
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG13	4	1.21
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG11	4	1.21
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG12	4	1.21
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG13	4	1.21
(1,2619)	1:26:A:LEU:HD11	1:49:A:VAL:H	4	1.21
(1,2619)	1:26:A:LEU:HD12	1:49:A:VAL:H	4	1.21
(1,2619)	1:26:A:LEU:HD13	1:49:A:VAL:H	4	1.21
(1,2358)	1:31:A:PRO:HB2	1:121:A:PHE:H	12	1.21
(1,2016)	1:54:A:MET:HB3	1:96:A:ASN:HA	1	1.21
(1,1407)	1:22:A:VAL:HG11	1:26:A:LEU:HG	7	1.21
(1,1407)	1:22:A:VAL:HG12	1:26:A:LEU:HG	7	1.21
(1,1407)	1:22:A:VAL:HG13	1:26:A:LEU:HG	7	1.21
(1,1388)	1:51:A:VAL:HA	1:52:A:GLN:HB2	9	1.21
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG21	13	1.21
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG22	13	1.21
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG23	13	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG21	13	1.21
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG22	13	1.21
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG23	13	1.21
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG21	2	1.21
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG22	2	1.21
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG23	2	1.21
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG21	2	1.21
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG22	2	1.21
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG23	2	1.21
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG21	2	1.21
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG22	2	1.21
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG23	2	1.21
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG21	5	1.21
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG22	5	1.21
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG23	5	1.21
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD21	16	1.21
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD22	16	1.21
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD23	16	1.21
(1,882)	1:7:A:PHE:HE2	1:77:A:LEU:HD12	8	1.21
(1,882)	1:7:A:PHE:HE2	1:77:A:LEU:HD12	12	1.21
(1,831)	1:108:A:LEU:HD21	1:111:A:ILE:HG12	8	1.21
(1,831)	1:108:A:LEU:HD22	1:111:A:ILE:HG12	8	1.21
(1,831)	1:108:A:LEU:HD23	1:111:A:ILE:HG12	8	1.21
(1,761)	1:5:A:LEU:HD21	1:14:A:ILE:HG13	8	1.21
(1,761)	1:5:A:LEU:HD22	1:14:A:ILE:HG13	8	1.21
(1,761)	1:5:A:LEU:HD23	1:14:A:ILE:HG13	8	1.21
(1,753)	1:5:A:LEU:HD21	1:12:A:CYS:HB2	9	1.21
(1,753)	1:5:A:LEU:HD22	1:12:A:CYS:HB2	9	1.21
(1,753)	1:5:A:LEU:HD23	1:12:A:CYS:HB2	9	1.21
(1,751)	1:5:A:LEU:HD22	1:7:A:PHE:HE2	16	1.21
(1,633)	1:56:A:ASN:HB2	1:97:A:VAL:HB	19	1.21
(1,31)	1:1:A:MET:HB2	1:16:A:LEU:HB3	9	1.21
(1,31)	1:1:A:MET:HB3	1:16:A:LEU:HB3	9	1.21
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG11	9	1.2
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG12	9	1.2
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG13	9	1.2
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG11	9	1.2
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG12	9	1.2
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG13	9	1.2
(1,2080)	1:56:A:ASN:HB2	1:97:A:VAL:H	5	1.2
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG21	6	1.2
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG22	6	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG23	6	1.2
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG21	6	1.2
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG22	6	1.2
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG23	6	1.2
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG21	6	1.2
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG22	6	1.2
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG23	6	1.2
(1,1443)	1:23:A:VAL:HG21	1:24:A:LYS:HA	10	1.2
(1,1443)	1:23:A:VAL:HG22	1:24:A:LYS:HA	10	1.2
(1,1443)	1:23:A:VAL:HG23	1:24:A:LYS:HA	10	1.2
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG11	11	1.2
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG12	11	1.2
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG13	11	1.2
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB1	17	1.2
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB2	17	1.2
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB3	17	1.2
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG21	19	1.2
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG22	19	1.2
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG23	19	1.2
(1,1063)	1:22:A:VAL:HA	1:25:A:LEU:HD11	11	1.2
(1,1063)	1:22:A:VAL:HA	1:25:A:LEU:HD12	11	1.2
(1,1063)	1:22:A:VAL:HA	1:25:A:LEU:HD13	11	1.2
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD21	13	1.2
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD22	13	1.2
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD23	13	1.2
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG21	19	1.2
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG22	19	1.2
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG23	19	1.2
(1,505)	1:23:A:VAL:HG21	1:27:A:LYS:HB2	11	1.2
(1,505)	1:23:A:VAL:HG22	1:27:A:LYS:HB2	11	1.2
(1,505)	1:23:A:VAL:HG23	1:27:A:LYS:HB2	11	1.2
(1,458)	1:102:A:VAL:HG21	1:103:A:GLU:HB2	10	1.2
(1,458)	1:102:A:VAL:HG22	1:103:A:GLU:HB2	10	1.2
(1,458)	1:102:A:VAL:HG23	1:103:A:GLU:HB2	10	1.2
(1,239)	1:18:A:GLU:HG3	1:24:A:LYS:HG2	5	1.2
(1,180)	1:22:A:VAL:HG11	1:25:A:LEU:HB3	10	1.2
(1,180)	1:22:A:VAL:HG12	1:25:A:LEU:HB3	10	1.2
(1,180)	1:22:A:VAL:HG13	1:25:A:LEU:HB3	10	1.2
(1,2394)	1:66:A:VAL:HG21	1:100:A:LYS:H	6	1.19
(1,2394)	1:66:A:VAL:HG22	1:100:A:LYS:H	6	1.19
(1,2394)	1:66:A:VAL:HG23	1:100:A:LYS:H	6	1.19
(1,2255)	1:22:A:VAL:HG11	1:51:A:VAL:H	7	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2255)	1:22:A:VAL:HG12	1:51:A:VAL:H	7	1.19
(1,2255)	1:22:A:VAL:HG13	1:51:A:VAL:H	7	1.19
(1,2080)	1:56:A:ASN:HB2	1:97:A:VAL:H	19	1.19
(1,1876)	1:60:A:VAL:HG11	1:88:A:LYS:HA	19	1.19
(1,1876)	1:60:A:VAL:HG12	1:88:A:LYS:HA	19	1.19
(1,1876)	1:60:A:VAL:HG13	1:88:A:LYS:HA	19	1.19
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG11	15	1.19
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG12	15	1.19
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG13	15	1.19
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG11	15	1.19
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG12	15	1.19
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG13	15	1.19
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG11	15	1.19
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG12	15	1.19
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG13	15	1.19
(1,1343)	1:13:A:VAL:HG21	1:14:A:ILE:H	5	1.19
(1,1343)	1:13:A:VAL:HG22	1:14:A:ILE:H	5	1.19
(1,1343)	1:13:A:VAL:HG23	1:14:A:ILE:H	5	1.19
(1,1343)	1:13:A:VAL:HG21	1:14:A:ILE:H	10	1.19
(1,1343)	1:13:A:VAL:HG22	1:14:A:ILE:H	10	1.19
(1,1343)	1:13:A:VAL:HG23	1:14:A:ILE:H	10	1.19
(1,1340)	1:59:A:GLU:H	1:60:A:VAL:HG21	19	1.19
(1,1340)	1:59:A:GLU:H	1:60:A:VAL:HG22	19	1.19
(1,1340)	1:59:A:GLU:H	1:60:A:VAL:HG23	19	1.19
(1,1210)	1:100:A:LYS:HA	1:102:A:VAL:HG11	3	1.19
(1,1210)	1:100:A:LYS:HA	1:102:A:VAL:HG12	3	1.19
(1,1210)	1:100:A:LYS:HA	1:102:A:VAL:HG13	3	1.19
(1,831)	1:108:A:LEU:HD21	1:111:A:ILE:HG12	5	1.19
(1,831)	1:108:A:LEU:HD22	1:111:A:ILE:HG12	5	1.19
(1,831)	1:108:A:LEU:HD23	1:111:A:ILE:HG12	5	1.19
(1,819)	1:108:A:LEU:HD21	1:111:A:ILE:HG13	12	1.19
(1,819)	1:108:A:LEU:HD22	1:111:A:ILE:HG13	12	1.19
(1,819)	1:108:A:LEU:HD23	1:111:A:ILE:HG13	12	1.19
(1,788)	1:105:A:LEU:HA	1:108:A:LEU:HD11	6	1.19
(1,788)	1:105:A:LEU:HA	1:108:A:LEU:HD12	6	1.19
(1,788)	1:105:A:LEU:HA	1:108:A:LEU:HD13	6	1.19
(1,730)	1:7:A:PHE:HE1	1:77:A:LEU:HG	11	1.19
(1,239)	1:18:A:GLU:HG3	1:24:A:LYS:HG2	13	1.19
(1,2718)	1:59:A:GLU:HB2	1:90:A:GLN:HE22	19	1.18
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD11	3	1.18
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD12	3	1.18
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD13	3	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD11	3	1.18
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD12	3	1.18
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD13	3	1.18
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD11	3	1.18
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD12	3	1.18
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD13	3	1.18
(1,1483)	1:53:A:LYS:HG3	1:55:A:GLU:HA	17	1.18
(1,1443)	1:23:A:VAL:HG21	1:24:A:LYS:HA	8	1.18
(1,1443)	1:23:A:VAL:HG22	1:24:A:LYS:HA	8	1.18
(1,1443)	1:23:A:VAL:HG23	1:24:A:LYS:HA	8	1.18
(1,1443)	1:23:A:VAL:HG21	1:24:A:LYS:HA	16	1.18
(1,1443)	1:23:A:VAL:HG22	1:24:A:LYS:HA	16	1.18
(1,1443)	1:23:A:VAL:HG23	1:24:A:LYS:HA	16	1.18
(1,1388)	1:51:A:VAL:HA	1:52:A:GLN:HB2	10	1.18
(1,1343)	1:13:A:VAL:HG21	1:14:A:ILE:H	8	1.18
(1,1343)	1:13:A:VAL:HG22	1:14:A:ILE:H	8	1.18
(1,1343)	1:13:A:VAL:HG23	1:14:A:ILE:H	8	1.18
(1,1171)	1:100:A:LYS:HB3	1:102:A:VAL:HG11	14	1.18
(1,1171)	1:100:A:LYS:HB3	1:102:A:VAL:HG12	14	1.18
(1,1171)	1:100:A:LYS:HB3	1:102:A:VAL:HG13	14	1.18
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD11	13	1.18
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD12	13	1.18
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD13	13	1.18
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD11	13	1.18
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD12	13	1.18
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD13	13	1.18
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG11	11	1.18
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG12	11	1.18
(1,901)	1:20:A:TYR:HB3	1:23:A:VAL:HG13	11	1.18
(1,704)	1:81:A:LYS:HD2	1:89:A:ILE:HD11	13	1.18
(1,704)	1:81:A:LYS:HD2	1:89:A:ILE:HD12	13	1.18
(1,704)	1:81:A:LYS:HD2	1:89:A:ILE:HD13	13	1.18
(1,549)	1:62:A:GLU:HB3	1:65:A:ASP:HB3	7	1.18
(1,2910)	1:39:A:TRP:HZ2	1:84:A:MET:HB3	10	1.17
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG11	19	1.17
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG12	19	1.17
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG13	19	1.17
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG11	19	1.17
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG12	19	1.17
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG13	19	1.17
(1,1443)	1:23:A:VAL:HG21	1:24:A:LYS:HA	2	1.17
(1,1443)	1:23:A:VAL:HG22	1:24:A:LYS:HA	2	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1443)	1:23:A:VAL:HG23	1:24:A:LYS:HA	2	1.17
(1,1407)	1:22:A:VAL:HG11	1:26:A:LEU:HG	1	1.17
(1,1407)	1:22:A:VAL:HG12	1:26:A:LEU:HG	1	1.17
(1,1407)	1:22:A:VAL:HG13	1:26:A:LEU:HG	1	1.17
(1,1407)	1:22:A:VAL:HG11	1:26:A:LEU:HG	10	1.17
(1,1407)	1:22:A:VAL:HG12	1:26:A:LEU:HG	10	1.17
(1,1407)	1:22:A:VAL:HG13	1:26:A:LEU:HG	10	1.17
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG21	8	1.17
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG22	8	1.17
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG23	8	1.17
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG21	8	1.17
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG22	8	1.17
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG23	8	1.17
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG21	1	1.17
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG22	1	1.17
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG23	1	1.17
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG21	12	1.17
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG22	12	1.17
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG23	12	1.17
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG21	12	1.17
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG22	12	1.17
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG23	12	1.17
(1,1137)	1:49:A:VAL:HG21	1:51:A:VAL:H	11	1.17
(1,1137)	1:49:A:VAL:HG22	1:51:A:VAL:H	11	1.17
(1,1137)	1:49:A:VAL:HG23	1:51:A:VAL:H	11	1.17
(1,1021)	1:53:A:LYS:HG3	1:55:A:GLU:H	18	1.17
(1,753)	1:5:A:LEU:HD21	1:12:A:CYS:HB2	4	1.17
(1,753)	1:5:A:LEU:HD22	1:12:A:CYS:HB2	4	1.17
(1,753)	1:5:A:LEU:HD23	1:12:A:CYS:HB2	4	1.17
(1,753)	1:5:A:LEU:HD21	1:12:A:CYS:HB2	7	1.17
(1,753)	1:5:A:LEU:HD22	1:12:A:CYS:HB2	7	1.17
(1,753)	1:5:A:LEU:HD23	1:12:A:CYS:HB2	7	1.17
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG21	3	1.17
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG22	3	1.17
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG23	3	1.17
(1,550)	1:42:A:GLU:HG3	1:78:A:PHE:HE1	20	1.17
(1,550)	1:42:A:GLU:HG3	1:78:A:PHE:HE2	20	1.17
(1,505)	1:23:A:VAL:HG21	1:27:A:LYS:HB2	1	1.17
(1,505)	1:23:A:VAL:HG22	1:27:A:LYS:HB2	1	1.17
(1,505)	1:23:A:VAL:HG23	1:27:A:LYS:HB2	1	1.17
(1,287)	1:7:A:PHE:HB2	1:8:A:GLU:HG3	15	1.17
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG21	10	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG22	10	1.17
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG23	10	1.17
(1,2910)	1:39:A:TRP:HZ2	1:84:A:MET:HB3	17	1.16
(1,2760)	1:32:A:PHE:HD1	1:48:A:PRO:HG2	14	1.16
(1,2760)	1:32:A:PHE:HD2	1:48:A:PRO:HG2	14	1.16
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD11	5	1.16
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD12	5	1.16
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD13	5	1.16
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD11	5	1.16
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD12	5	1.16
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD13	5	1.16
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD11	5	1.16
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD12	5	1.16
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD13	5	1.16
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD11	6	1.16
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD12	6	1.16
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD13	6	1.16
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD11	6	1.16
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD12	6	1.16
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD13	6	1.16
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD11	6	1.16
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD12	6	1.16
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD13	6	1.16
(1,1407)	1:22:A:VAL:HG11	1:26:A:LEU:HG	6	1.16
(1,1407)	1:22:A:VAL:HG12	1:26:A:LEU:HG	6	1.16
(1,1407)	1:22:A:VAL:HG13	1:26:A:LEU:HG	6	1.16
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG11	10	1.16
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG12	10	1.16
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG13	10	1.16
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG11	13	1.16
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG12	13	1.16
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG13	13	1.16
(1,1343)	1:13:A:VAL:HG21	1:14:A:ILE:H	4	1.16
(1,1343)	1:13:A:VAL:HG22	1:14:A:ILE:H	4	1.16
(1,1343)	1:13:A:VAL:HG23	1:14:A:ILE:H	4	1.16
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG21	4	1.16
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG22	4	1.16
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG23	4	1.16
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG21	4	1.16
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG22	4	1.16
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG23	4	1.16
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG21	10	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG22	10	1.16
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG23	10	1.16
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG21	5	1.16
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG22	5	1.16
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG23	5	1.16
(1,1080)	1:16:A:LEU:HD21	1:99:A:GLY:HA3	5	1.16
(1,1080)	1:16:A:LEU:HD22	1:99:A:GLY:HA3	5	1.16
(1,1080)	1:16:A:LEU:HD23	1:99:A:GLY:HA3	5	1.16
(1,1036)	1:26:A:LEU:HD11	1:48:A:PRO:HG3	2	1.16
(1,1036)	1:26:A:LEU:HD12	1:48:A:PRO:HG3	2	1.16
(1,1036)	1:26:A:LEU:HD13	1:48:A:PRO:HG3	2	1.16
(1,902)	1:23:A:VAL:HG11	1:98:A:ILE:HB	9	1.16
(1,902)	1:23:A:VAL:HG12	1:98:A:ILE:HB	9	1.16
(1,902)	1:23:A:VAL:HG13	1:98:A:ILE:HB	9	1.16
(1,730)	1:7:A:PHE:HE2	1:77:A:LEU:HG	4	1.16
(1,505)	1:23:A:VAL:HG21	1:27:A:LYS:HB2	16	1.16
(1,505)	1:23:A:VAL:HG22	1:27:A:LYS:HB2	16	1.16
(1,505)	1:23:A:VAL:HG23	1:27:A:LYS:HB2	16	1.16
(1,385)	1:60:A:VAL:HG11	1:62:A:GLU:HG2	19	1.16
(1,385)	1:60:A:VAL:HG12	1:62:A:GLU:HG2	19	1.16
(1,385)	1:60:A:VAL:HG13	1:62:A:GLU:HG2	19	1.16
(1,355)	1:102:A:VAL:HG21	1:103:A:GLU:HG3	3	1.16
(1,355)	1:102:A:VAL:HG22	1:103:A:GLU:HG3	3	1.16
(1,355)	1:102:A:VAL:HG23	1:103:A:GLU:HG3	3	1.16
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG21	3	1.16
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG22	3	1.16
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG23	3	1.16
(1,31)	1:1:A:MET:HB2	1:16:A:LEU:HB3	5	1.16
(1,31)	1:1:A:MET:HB3	1:16:A:LEU:HB3	5	1.16
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG11	6	1.15
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG12	6	1.15
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG13	6	1.15
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG11	6	1.15
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG12	6	1.15
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG13	6	1.15
(1,2718)	1:59:A:GLU:HB2	1:90:A:GLN:HE22	15	1.15
(1,2080)	1:56:A:ASN:HB2	1:97:A:VAL:H	14	1.15
(1,1965)	1:17:A:ASN:HA	1:18:A:GLU:HB3	1	1.15
(1,1965)	1:17:A:ASN:HA	1:18:A:GLU:HB3	2	1.15
(1,1965)	1:17:A:ASN:HA	1:18:A:GLU:HB3	15	1.15
(1,1965)	1:17:A:ASN:HA	1:18:A:GLU:HB3	18	1.15
(1,1965)	1:17:A:ASN:HA	1:18:A:GLU:HB3	20	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD11	8	1.15
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD12	8	1.15
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD13	8	1.15
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD11	8	1.15
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD12	8	1.15
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD13	8	1.15
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD11	8	1.15
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD12	8	1.15
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD13	8	1.15
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG11	1	1.15
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG12	1	1.15
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG13	1	1.15
(1,1343)	1:13:A:VAL:HG21	1:14:A:ILE:H	12	1.15
(1,1343)	1:13:A:VAL:HG22	1:14:A:ILE:H	12	1.15
(1,1343)	1:13:A:VAL:HG23	1:14:A:ILE:H	12	1.15
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG21	20	1.15
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG22	20	1.15
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG23	20	1.15
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG21	20	1.15
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG22	20	1.15
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG23	20	1.15
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG21	20	1.15
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG22	20	1.15
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG23	20	1.15
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG21	13	1.15
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG22	13	1.15
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG23	13	1.15
(1,1293)	1:13:A:VAL:HG11	1:103:A:GLU:HB3	12	1.15
(1,1293)	1:13:A:VAL:HG12	1:103:A:GLU:HB3	12	1.15
(1,1293)	1:13:A:VAL:HG13	1:103:A:GLU:HB3	12	1.15
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG21	10	1.15
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG22	10	1.15
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG23	10	1.15
(1,1260)	1:60:A:VAL:HG11	1:89:A:ILE:H	16	1.15
(1,1260)	1:60:A:VAL:HG12	1:89:A:ILE:H	16	1.15
(1,1260)	1:60:A:VAL:HG13	1:89:A:ILE:H	16	1.15
(1,1260)	1:60:A:VAL:HG11	1:89:A:ILE:H	19	1.15
(1,1260)	1:60:A:VAL:HG12	1:89:A:ILE:H	19	1.15
(1,1260)	1:60:A:VAL:HG13	1:89:A:ILE:H	19	1.15
(1,1080)	1:16:A:LEU:HD21	1:99:A:GLY:HA3	8	1.15
(1,1080)	1:16:A:LEU:HD22	1:99:A:GLY:HA3	8	1.15
(1,1080)	1:16:A:LEU:HD23	1:99:A:GLY:HA3	8	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1036)	1:26:A:LEU:HD11	1:48:A:PRO:HG3	20	1.15
(1,1036)	1:26:A:LEU:HD12	1:48:A:PRO:HG3	20	1.15
(1,1036)	1:26:A:LEU:HD13	1:48:A:PRO:HG3	20	1.15
(1,535)	1:23:A:VAL:H	1:24:A:LYS:HB3	10	1.15
(1,385)	1:60:A:VAL:HG11	1:62:A:GLU:HG2	17	1.15
(1,385)	1:60:A:VAL:HG12	1:62:A:GLU:HG2	17	1.15
(1,385)	1:60:A:VAL:HG13	1:62:A:GLU:HG2	17	1.15
(1,358)	1:54:A:MET:HB3	1:57:A:PRO:HB3	12	1.15
(1,246)	1:7:A:PHE:HB2	1:115:A:GLU:HB3	14	1.15
(1,239)	1:18:A:GLU:HG3	1:24:A:LYS:HG2	14	1.15
(1,231)	1:65:A:ASP:H	1:78:A:PHE:HB3	11	1.15
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG21	6	1.15
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG22	6	1.15
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG23	6	1.15
(1,77)	1:2:A:ARG:HD3	1:15:A:ASP:HB3	19	1.15
(1,65)	1:15:A:ASP:HB2	1:100:A:LYS:HB2	8	1.15
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG11	8	1.14
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG12	8	1.14
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG13	8	1.14
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG11	8	1.14
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG12	8	1.14
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG13	8	1.14
(1,2292)	1:35:A:VAL:H	1:117:A:VAL:HG11	2	1.14
(1,2292)	1:35:A:VAL:H	1:117:A:VAL:HG12	2	1.14
(1,2292)	1:35:A:VAL:H	1:117:A:VAL:HG13	2	1.14
(1,1965)	1:17:A:ASN:HA	1:18:A:GLU:HB3	16	1.14
(1,1876)	1:60:A:VAL:HG11	1:88:A:LYS:HA	17	1.14
(1,1876)	1:60:A:VAL:HG12	1:88:A:LYS:HA	17	1.14
(1,1876)	1:60:A:VAL:HG13	1:88:A:LYS:HA	17	1.14
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD11	11	1.14
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD12	11	1.14
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD13	11	1.14
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD11	11	1.14
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD12	11	1.14
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD13	11	1.14
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD11	11	1.14
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD12	11	1.14
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD13	11	1.14
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG21	19	1.14
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG22	19	1.14
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG23	19	1.14
(1,1516)	1:2:A:ARG:HG3	1:102:A:VAL:HG21	14	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1516)	1:2:A:ARG:HG3	1:102:A:VAL:HG22	14	1.14
(1,1516)	1:2:A:ARG:HG3	1:102:A:VAL:HG23	14	1.14
(1,1343)	1:13:A:VAL:HG21	1:14:A:ILE:H	1	1.14
(1,1343)	1:13:A:VAL:HG22	1:14:A:ILE:H	1	1.14
(1,1343)	1:13:A:VAL:HG23	1:14:A:ILE:H	1	1.14
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG21	18	1.14
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG22	18	1.14
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG23	18	1.14
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG21	18	1.14
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG22	18	1.14
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG23	18	1.14
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG21	18	1.14
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG22	18	1.14
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG23	18	1.14
(1,1239)	1:108:A:LEU:HD21	1:110:A:LYS:HG2	13	1.14
(1,1239)	1:108:A:LEU:HD22	1:110:A:LYS:HG2	13	1.14
(1,1239)	1:108:A:LEU:HD23	1:110:A:LYS:HG2	13	1.14
(1,1171)	1:100:A:LYS:HB3	1:102:A:VAL:HG11	10	1.14
(1,1171)	1:100:A:LYS:HB3	1:102:A:VAL:HG12	10	1.14
(1,1171)	1:100:A:LYS:HB3	1:102:A:VAL:HG13	10	1.14
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG21	13	1.14
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG22	13	1.14
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG23	13	1.14
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG21	13	1.14
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG22	13	1.14
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG23	13	1.14
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG21	13	1.14
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG22	13	1.14
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG23	13	1.14
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB1	7	1.14
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB2	7	1.14
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB3	7	1.14
(1,1039)	1:26:A:LEU:HD11	1:47:A:THR:HA	7	1.14
(1,1039)	1:26:A:LEU:HD12	1:47:A:THR:HA	7	1.14
(1,1039)	1:26:A:LEU:HD13	1:47:A:THR:HA	7	1.14
(1,882)	1:7:A:PHE:HE1	1:77:A:LEU:HD13	11	1.14
(1,751)	1:5:A:LEU:HD23	1:7:A:PHE:HE1	18	1.14
(1,681)	1:63:A:ILE:HG13	1:79:A:PHE:HA	6	1.14
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG21	11	1.14
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG22	11	1.14
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG23	11	1.14
(1,540)	1:42:A:GLU:HG3	1:78:A:PHE:HD1	20	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,540)	1:42:A:GLU:HG3	1:78:A:PHE:HD2	20	1.14
(1,505)	1:23:A:VAL:HG21	1:27:A:LYS:HB2	7	1.14
(1,505)	1:23:A:VAL:HG22	1:27:A:LYS:HB2	7	1.14
(1,505)	1:23:A:VAL:HG23	1:27:A:LYS:HB2	7	1.14
(1,180)	1:22:A:VAL:HG11	1:25:A:LEU:HB3	15	1.14
(1,180)	1:22:A:VAL:HG12	1:25:A:LEU:HB3	15	1.14
(1,180)	1:22:A:VAL:HG13	1:25:A:LEU:HB3	15	1.14
(1,65)	1:15:A:ASP:HB2	1:100:A:LYS:HB2	17	1.14
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG11	14	1.13
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG12	14	1.13
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG13	14	1.13
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG11	14	1.13
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG12	14	1.13
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG13	14	1.13
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG11	14	1.13
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG12	14	1.13
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG13	14	1.13
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG11	14	1.13
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG12	14	1.13
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG13	14	1.13
(1,2358)	1:31:A:PRO:HB2	1:121:A:PHE:H	8	1.13
(1,2024)	1:54:A:MET:HG3	1:96:A:ASN:HA	6	1.13
(1,1965)	1:17:A:ASN:HA	1:18:A:GLU:HB3	12	1.13
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD11	15	1.13
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD12	15	1.13
(1,1932)	1:61:A:VAL:HG11	1:89:A:ILE:HD13	15	1.13
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD11	15	1.13
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD12	15	1.13
(1,1932)	1:61:A:VAL:HG12	1:89:A:ILE:HD13	15	1.13
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD11	15	1.13
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD12	15	1.13
(1,1932)	1:61:A:VAL:HG13	1:89:A:ILE:HD13	15	1.13
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD11	3	1.13
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD12	3	1.13
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD13	3	1.13
(1,1812)	1:7:A:PHE:HB3	1:11:A:LYS:HA	18	1.13
(1,1345)	1:2:A:ARG:HE	1:13:A:VAL:HG21	1	1.13
(1,1345)	1:2:A:ARG:HE	1:13:A:VAL:HG22	1	1.13
(1,1345)	1:2:A:ARG:HE	1:13:A:VAL:HG23	1	1.13
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG21	14	1.13
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG22	14	1.13
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG23	14	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG21	14	1.13
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG22	14	1.13
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG23	14	1.13
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG21	14	1.13
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG22	14	1.13
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG23	14	1.13
(1,1298)	1:22:A:VAL:HG21	1:96:A:ASN:HD21	10	1.13
(1,1298)	1:22:A:VAL:HG22	1:96:A:ASN:HD21	10	1.13
(1,1298)	1:22:A:VAL:HG23	1:96:A:ASN:HD21	10	1.13
(1,1217)	1:25:A:LEU:HD21	1:29:A:LYS:HE2	8	1.13
(1,1217)	1:25:A:LEU:HD21	1:29:A:LYS:HE3	8	1.13
(1,1217)	1:25:A:LEU:HD22	1:29:A:LYS:HE2	8	1.13
(1,1217)	1:25:A:LEU:HD22	1:29:A:LYS:HE3	8	1.13
(1,1217)	1:25:A:LEU:HD23	1:29:A:LYS:HE2	8	1.13
(1,1217)	1:25:A:LEU:HD23	1:29:A:LYS:HE3	8	1.13
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG21	8	1.13
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG22	8	1.13
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG23	8	1.13
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG21	8	1.13
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG22	8	1.13
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG23	8	1.13
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG21	8	1.13
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG22	8	1.13
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG23	8	1.13
(1,1039)	1:26:A:LEU:HD11	1:47:A:THR:HA	16	1.13
(1,1039)	1:26:A:LEU:HD12	1:47:A:THR:HA	16	1.13
(1,1039)	1:26:A:LEU:HD13	1:47:A:THR:HA	16	1.13
(1,831)	1:108:A:LEU:HD21	1:111:A:ILE:HG12	12	1.13
(1,831)	1:108:A:LEU:HD22	1:111:A:ILE:HG12	12	1.13
(1,831)	1:108:A:LEU:HD23	1:111:A:ILE:HG12	12	1.13
(1,584)	1:48:A:PRO:HB2	1:49:A:VAL:HG11	16	1.13
(1,584)	1:48:A:PRO:HB2	1:49:A:VAL:HG12	16	1.13
(1,584)	1:48:A:PRO:HB2	1:49:A:VAL:HG13	16	1.13
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG2	2	1.13
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG3	2	1.13
(1,287)	1:7:A:PHE:HB2	1:8:A:GLU:HG3	9	1.13
(1,239)	1:18:A:GLU:HG3	1:24:A:LYS:HG2	12	1.13
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG21	5	1.13
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG22	5	1.13
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG23	5	1.13
(1,2722)	1:61:A:VAL:HG21	1:95:A:VAL:H	5	1.12
(1,2722)	1:61:A:VAL:HG22	1:95:A:VAL:H	5	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2722)	1:61:A:VAL:HG23	1:95:A:VAL:H	5	1.12
(1,2718)	1:59:A:GLU:HB2	1:90:A:GLN:HE22	1	1.12
(1,2697)	1:17:A:ASN:HD22	1:19:A:GLU:HB3	10	1.12
(1,2157)	1:5:A:LEU:H	1:117:A:VAL:HG21	2	1.12
(1,2157)	1:5:A:LEU:H	1:117:A:VAL:HG22	2	1.12
(1,2157)	1:5:A:LEU:H	1:117:A:VAL:HG23	2	1.12
(1,2127)	1:50:A:ASN:H	1:51:A:VAL:HG21	19	1.12
(1,2127)	1:50:A:ASN:H	1:51:A:VAL:HG22	19	1.12
(1,2127)	1:50:A:ASN:H	1:51:A:VAL:HG23	19	1.12
(1,2080)	1:56:A:ASN:HB2	1:97:A:VAL:H	13	1.12
(1,1965)	1:17:A:ASN:HA	1:18:A:GLU:HB3	3	1.12
(1,1711)	1:61:A:VAL:HG11	1:78:A:PHE:HB3	6	1.12
(1,1711)	1:61:A:VAL:HG12	1:78:A:PHE:HB3	6	1.12
(1,1711)	1:61:A:VAL:HG13	1:78:A:PHE:HB3	6	1.12
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG21	14	1.12
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG22	14	1.12
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG23	14	1.12
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG21	14	1.12
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG22	14	1.12
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG23	14	1.12
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG21	14	1.12
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG22	14	1.12
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG23	14	1.12
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG11	14	1.12
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG12	14	1.12
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG13	14	1.12
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG11	14	1.12
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG12	14	1.12
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG13	14	1.12
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG11	14	1.12
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG12	14	1.12
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG13	14	1.12
(1,1340)	1:59:A:GLU:H	1:60:A:VAL:HG21	13	1.12
(1,1340)	1:59:A:GLU:H	1:60:A:VAL:HG22	13	1.12
(1,1340)	1:59:A:GLU:H	1:60:A:VAL:HG23	13	1.12
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG21	16	1.12
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG22	16	1.12
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG23	16	1.12
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG21	16	1.12
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG22	16	1.12
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG23	16	1.12
(1,1304)	1:22:A:VAL:HG21	1:98:A:ILE:HB	8	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1304)	1:22:A:VAL:HG22	1:98:A:ILE:HB	8	1.12
(1,1304)	1:22:A:VAL:HG23	1:98:A:ILE:HB	8	1.12
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG21	9	1.12
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG22	9	1.12
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG23	9	1.12
(1,1253)	1:7:A:PHE:HE1	1:117:A:VAL:HG22	5	1.12
(1,1171)	1:100:A:LYS:HB3	1:102:A:VAL:HG11	8	1.12
(1,1171)	1:100:A:LYS:HB3	1:102:A:VAL:HG12	8	1.12
(1,1171)	1:100:A:LYS:HB3	1:102:A:VAL:HG13	8	1.12
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG21	2	1.12
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG22	2	1.12
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG23	2	1.12
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG21	14	1.12
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG22	14	1.12
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG23	14	1.12
(1,882)	1:7:A:PHE:HE1	1:77:A:LEU:HD12	20	1.12
(1,681)	1:63:A:ILE:HG13	1:79:A:PHE:HA	3	1.12
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG21	7	1.12
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG22	7	1.12
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG23	7	1.12
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG21	7	1.12
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG22	7	1.12
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG23	7	1.12
(1,632)	1:58:A:ARG:HG2	1:97:A:VAL:HB	15	1.12
(1,584)	1:48:A:PRO:HB2	1:49:A:VAL:HG11	3	1.12
(1,584)	1:48:A:PRO:HB2	1:49:A:VAL:HG12	3	1.12
(1,584)	1:48:A:PRO:HB2	1:49:A:VAL:HG13	3	1.12
(1,505)	1:23:A:VAL:HG21	1:27:A:LYS:HB2	3	1.12
(1,505)	1:23:A:VAL:HG22	1:27:A:LYS:HB2	3	1.12
(1,505)	1:23:A:VAL:HG23	1:27:A:LYS:HB2	3	1.12
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG2	5	1.12
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG3	5	1.12
(1,358)	1:54:A:MET:HB3	1:57:A:PRO:HB3	1	1.12
(1,358)	1:54:A:MET:HB3	1:57:A:PRO:HB3	3	1.12
(1,287)	1:7:A:PHE:HB2	1:8:A:GLU:HG3	18	1.12
(1,2829)	1:27:A:LYS:HG3	1:121:A:PHE:HZ	18	1.11
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG11	3	1.11
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG12	3	1.11
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG13	3	1.11
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG11	3	1.11
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG12	3	1.11
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG13	3	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG11	20	1.11
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG12	20	1.11
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG13	20	1.11
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG11	20	1.11
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG12	20	1.11
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG13	20	1.11
(1,2760)	1:32:A:PHE:HD1	1:48:A:PRO:HG2	1	1.11
(1,2760)	1:32:A:PHE:HD2	1:48:A:PRO:HG2	1	1.11
(1,2127)	1:50:A:ASN:H	1:51:A:VAL:HG21	4	1.11
(1,2127)	1:50:A:ASN:H	1:51:A:VAL:HG22	4	1.11
(1,2127)	1:50:A:ASN:H	1:51:A:VAL:HG23	4	1.11
(1,1965)	1:17:A:ASN:HA	1:18:A:GLU:HB3	6	1.11
(1,1965)	1:17:A:ASN:HA	1:18:A:GLU:HB3	8	1.11
(1,1965)	1:17:A:ASN:HA	1:18:A:GLU:HB3	14	1.11
(1,1812)	1:7:A:PHE:HB3	1:11:A:LYS:HA	16	1.11
(1,1760)	1:31:A:PRO:HB3	1:32:A:PHE:HA	2	1.11
(1,1693)	1:27:A:LYS:HG3	1:28:A:GLU:HA	19	1.11
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG11	15	1.11
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG12	15	1.11
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG13	15	1.11
(1,1343)	1:13:A:VAL:HG21	1:14:A:ILE:H	19	1.11
(1,1343)	1:13:A:VAL:HG22	1:14:A:ILE:H	19	1.11
(1,1343)	1:13:A:VAL:HG23	1:14:A:ILE:H	19	1.11
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG21	1	1.11
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG22	1	1.11
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG23	1	1.11
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG21	1	1.11
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG22	1	1.11
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG23	1	1.11
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG21	1	1.11
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG22	1	1.11
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG23	1	1.11
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG21	11	1.11
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG22	11	1.11
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG23	11	1.11
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG21	11	1.11
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG22	11	1.11
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG23	11	1.11
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG21	11	1.11
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG22	11	1.11
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG23	11	1.11
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB1	18	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB2	18	1.11
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB3	18	1.11
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG21	15	1.11
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG22	15	1.11
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG23	15	1.11
(1,787)	1:79:A:PHE:HA	1:108:A:LEU:HD11	5	1.11
(1,787)	1:79:A:PHE:HA	1:108:A:LEU:HD12	5	1.11
(1,787)	1:79:A:PHE:HA	1:108:A:LEU:HD13	5	1.11
(1,730)	1:7:A:PHE:HE2	1:77:A:LEU:HG	10	1.11
(1,714)	1:21:A:GLU:HB2	1:25:A:LEU:HD11	2	1.11
(1,714)	1:21:A:GLU:HB2	1:25:A:LEU:HD12	2	1.11
(1,714)	1:21:A:GLU:HB2	1:25:A:LEU:HD13	2	1.11
(1,714)	1:21:A:GLU:HB3	1:25:A:LEU:HD11	2	1.11
(1,714)	1:21:A:GLU:HB3	1:25:A:LEU:HD12	2	1.11
(1,714)	1:21:A:GLU:HB3	1:25:A:LEU:HD13	2	1.11
(1,348)	1:54:A:MET:HB3	1:57:A:PRO:HG3	5	1.11
(1,287)	1:7:A:PHE:HB2	1:8:A:GLU:HG3	10	1.11
(1,65)	1:15:A:ASP:HB2	1:100:A:LYS:HB2	14	1.11
(1,53)	1:72:A:GLY:HA2	1:74:A:ALA:H	17	1.11
(1,2876)	1:69:A:TRP:HD1	1:95:A:VAL:HG11	12	1.1
(1,2876)	1:69:A:TRP:HD1	1:95:A:VAL:HG12	12	1.1
(1,2876)	1:69:A:TRP:HD1	1:95:A:VAL:HG13	12	1.1
(1,2769)	1:79:A:PHE:HD1	1:109:A:LYS:HE3	10	1.1
(1,2769)	1:79:A:PHE:HD2	1:109:A:LYS:HE3	10	1.1
(1,1738)	1:7:A:PHE:HE1	1:43:A:ILE:HD13	1	1.1
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG11	9	1.1
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG12	9	1.1
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG13	9	1.1
(1,1340)	1:59:A:GLU:H	1:60:A:VAL:HG21	18	1.1
(1,1340)	1:59:A:GLU:H	1:60:A:VAL:HG22	18	1.1
(1,1340)	1:59:A:GLU:H	1:60:A:VAL:HG23	18	1.1
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG21	15	1.1
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG22	15	1.1
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG23	15	1.1
(1,1272)	1:51:A:VAL:HG11	1:53:A:LYS:H	18	1.1
(1,1272)	1:51:A:VAL:HG12	1:53:A:LYS:H	18	1.1
(1,1272)	1:51:A:VAL:HG13	1:53:A:LYS:H	18	1.1
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG21	12	1.1
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG22	12	1.1
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG23	12	1.1
(1,1106)	1:69:A:TRP:HZ2	1:93:A:SER:HB2	8	1.1
(1,826)	1:7:A:PHE:HD1	1:111:A:ILE:HG12	14	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,730)	1:7:A:PHE:HE1	1:77:A:LEU:HG	3	1.1
(1,549)	1:62:A:GLU:HB3	1:65:A:ASP:HB3	11	1.1
(1,505)	1:23:A:VAL:HG21	1:27:A:LYS:HB2	4	1.1
(1,505)	1:23:A:VAL:HG22	1:27:A:LYS:HB2	4	1.1
(1,505)	1:23:A:VAL:HG23	1:27:A:LYS:HB2	4	1.1
(1,415)	1:12:A:CYS:HB2	1:13:A:VAL:HB	13	1.1
(1,348)	1:54:A:MET:HB3	1:57:A:PRO:HG3	1	1.1
(1,287)	1:7:A:PHE:HB2	1:8:A:GLU:HG3	12	1.1
(1,2829)	1:27:A:LYS:HG3	1:121:A:PHE:HZ	12	1.09
(1,2760)	1:32:A:PHE:HD1	1:48:A:PRO:HG2	7	1.09
(1,2760)	1:32:A:PHE:HD2	1:48:A:PRO:HG2	7	1.09
(1,2255)	1:22:A:VAL:HG11	1:51:A:VAL:H	10	1.09
(1,2255)	1:22:A:VAL:HG12	1:51:A:VAL:H	10	1.09
(1,2255)	1:22:A:VAL:HG13	1:51:A:VAL:H	10	1.09
(1,2075)	1:95:A:VAL:HG21	1:97:A:VAL:H	12	1.09
(1,2075)	1:95:A:VAL:HG22	1:97:A:VAL:H	12	1.09
(1,2075)	1:95:A:VAL:HG23	1:97:A:VAL:H	12	1.09
(1,1965)	1:17:A:ASN:HA	1:18:A:GLU:HB3	5	1.09
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD11	17	1.09
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD12	17	1.09
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD13	17	1.09
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD11	17	1.09
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD12	17	1.09
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD13	17	1.09
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD11	17	1.09
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD12	17	1.09
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD13	17	1.09
(1,1812)	1:7:A:PHE:HB3	1:11:A:LYS:HA	10	1.09
(1,1693)	1:27:A:LYS:HG3	1:28:A:GLU:HA	15	1.09
(1,1343)	1:13:A:VAL:HG21	1:14:A:ILE:H	20	1.09
(1,1343)	1:13:A:VAL:HG22	1:14:A:ILE:H	20	1.09
(1,1343)	1:13:A:VAL:HG23	1:14:A:ILE:H	20	1.09
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG21	18	1.09
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG22	18	1.09
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG23	18	1.09
(1,1260)	1:60:A:VAL:HG11	1:89:A:ILE:H	7	1.09
(1,1260)	1:60:A:VAL:HG12	1:89:A:ILE:H	7	1.09
(1,1260)	1:60:A:VAL:HG13	1:89:A:ILE:H	7	1.09
(1,1242)	1:11:A:LYS:H	1:108:A:LEU:HD21	13	1.09
(1,1242)	1:11:A:LYS:H	1:108:A:LEU:HD22	13	1.09
(1,1242)	1:11:A:LYS:H	1:108:A:LEU:HD23	13	1.09
(1,1238)	1:12:A:CYS:HB3	1:108:A:LEU:HD21	16	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1238)	1:12:A:CYS:HB3	1:108:A:LEU:HD22	16	1.09
(1,1238)	1:12:A:CYS:HB3	1:108:A:LEU:HD23	16	1.09
(1,1063)	1:22:A:VAL:HA	1:25:A:LEU:HD11	2	1.09
(1,1063)	1:22:A:VAL:HA	1:25:A:LEU:HD12	2	1.09
(1,1063)	1:22:A:VAL:HA	1:25:A:LEU:HD13	2	1.09
(1,932)	1:105:A:LEU:HD11	1:106:A:GLU:HA	6	1.09
(1,932)	1:105:A:LEU:HD12	1:106:A:GLU:HA	6	1.09
(1,932)	1:105:A:LEU:HD13	1:106:A:GLU:HA	6	1.09
(1,888)	1:77:A:LEU:HD11	1:108:A:LEU:HB3	16	1.09
(1,888)	1:77:A:LEU:HD12	1:108:A:LEU:HB3	16	1.09
(1,888)	1:77:A:LEU:HD13	1:108:A:LEU:HB3	16	1.09
(1,751)	1:5:A:LEU:HD21	1:7:A:PHE:HE1	5	1.09
(1,715)	1:87:A:ASP:HB2	1:88:A:LYS:HD2	18	1.09
(1,681)	1:63:A:ILE:HG13	1:79:A:PHE:HA	1	1.09
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG2	13	1.09
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG3	13	1.09
(1,360)	1:105:A:LEU:HD11	1:106:A:GLU:HG2	15	1.09
(1,360)	1:105:A:LEU:HD11	1:106:A:GLU:HG3	15	1.09
(1,360)	1:105:A:LEU:HD12	1:106:A:GLU:HG2	15	1.09
(1,360)	1:105:A:LEU:HD12	1:106:A:GLU:HG3	15	1.09
(1,360)	1:105:A:LEU:HD13	1:106:A:GLU:HG2	15	1.09
(1,360)	1:105:A:LEU:HD13	1:106:A:GLU:HG3	15	1.09
(1,351)	1:102:A:VAL:HG21	1:103:A:GLU:HG2	14	1.09
(1,351)	1:102:A:VAL:HG22	1:103:A:GLU:HG2	14	1.09
(1,351)	1:102:A:VAL:HG23	1:103:A:GLU:HG2	14	1.09
(1,180)	1:22:A:VAL:HG11	1:25:A:LEU:HB3	2	1.09
(1,180)	1:22:A:VAL:HG12	1:25:A:LEU:HB3	2	1.09
(1,180)	1:22:A:VAL:HG13	1:25:A:LEU:HB3	2	1.09
(1,65)	1:15:A:ASP:HB2	1:100:A:LYS:HB2	15	1.09
(1,2760)	1:32:A:PHE:HD1	1:48:A:PRO:HG2	16	1.08
(1,2760)	1:32:A:PHE:HD2	1:48:A:PRO:HG2	16	1.08
(1,2598)	1:34:A:SER:H	1:35:A:VAL:HG21	15	1.08
(1,2598)	1:34:A:SER:H	1:35:A:VAL:HG22	15	1.08
(1,2598)	1:34:A:SER:H	1:35:A:VAL:HG23	15	1.08
(1,2115)	1:2:A:ARG:HG3	1:3:A:VAL:H	1	1.08
(1,2115)	1:2:A:ARG:HG3	1:3:A:VAL:H	17	1.08
(1,1812)	1:7:A:PHE:HB3	1:11:A:LYS:HA	6	1.08
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG11	7	1.08
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG12	7	1.08
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG13	7	1.08
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG11	7	1.08
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG12	7	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG13	7	1.08
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG11	7	1.08
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG12	7	1.08
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG13	7	1.08
(1,1380)	1:58:A:ARG:HG2	1:97:A:VAL:HG11	15	1.08
(1,1380)	1:58:A:ARG:HG2	1:97:A:VAL:HG12	15	1.08
(1,1380)	1:58:A:ARG:HG2	1:97:A:VAL:HG13	15	1.08
(1,1345)	1:2:A:ARG:HE	1:13:A:VAL:HG21	10	1.08
(1,1345)	1:2:A:ARG:HE	1:13:A:VAL:HG22	10	1.08
(1,1345)	1:2:A:ARG:HE	1:13:A:VAL:HG23	10	1.08
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG21	5	1.08
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG22	5	1.08
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG23	5	1.08
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG21	5	1.08
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG22	5	1.08
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG23	5	1.08
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG21	5	1.08
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG22	5	1.08
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG23	5	1.08
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG21	17	1.08
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG22	17	1.08
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG23	17	1.08
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG21	17	1.08
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG22	17	1.08
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG23	17	1.08
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD21	15	1.08
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD22	15	1.08
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD23	15	1.08
(1,888)	1:77:A:LEU:HD11	1:108:A:LEU:HB3	6	1.08
(1,888)	1:77:A:LEU:HD12	1:108:A:LEU:HB3	6	1.08
(1,888)	1:77:A:LEU:HD13	1:108:A:LEU:HB3	6	1.08
(1,761)	1:5:A:LEU:HD21	1:14:A:ILE:HG13	19	1.08
(1,761)	1:5:A:LEU:HD22	1:14:A:ILE:HG13	19	1.08
(1,761)	1:5:A:LEU:HD23	1:14:A:ILE:HG13	19	1.08
(1,714)	1:21:A:GLU:HB2	1:25:A:LEU:HD11	11	1.08
(1,714)	1:21:A:GLU:HB2	1:25:A:LEU:HD12	11	1.08
(1,714)	1:21:A:GLU:HB2	1:25:A:LEU:HD13	11	1.08
(1,714)	1:21:A:GLU:HB3	1:25:A:LEU:HD11	11	1.08
(1,714)	1:21:A:GLU:HB3	1:25:A:LEU:HD12	11	1.08
(1,714)	1:21:A:GLU:HB3	1:25:A:LEU:HD13	11	1.08
(1,658)	1:72:A:GLY:HA3	1:73:A:LYS:HD2	16	1.08
(1,658)	1:72:A:GLY:HA3	1:73:A:LYS:HD3	16	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,612)	1:1:A:MET:HG2	1:16:A:LEU:HB3	9	1.08
(1,549)	1:62:A:GLU:HB3	1:65:A:ASP:HB3	10	1.08
(1,358)	1:54:A:MET:HB3	1:57:A:PRO:HB3	9	1.08
(1,294)	1:15:A:ASP:HB2	1:100:A:LYS:HB3	6	1.08
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG21	15	1.08
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG22	15	1.08
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG23	15	1.08
(1,2909)	1:39:A:TRP:HZ2	1:84:A:MET:HG3	3	1.07
(1,2793)	1:7:A:PHE:HE1	1:117:A:VAL:HG21	5	1.07
(1,2793)	1:7:A:PHE:HE1	1:117:A:VAL:HG22	5	1.07
(1,2793)	1:7:A:PHE:HE1	1:117:A:VAL:HG23	5	1.07
(1,2793)	1:7:A:PHE:HE2	1:117:A:VAL:HG21	5	1.07
(1,2793)	1:7:A:PHE:HE2	1:117:A:VAL:HG22	5	1.07
(1,2793)	1:7:A:PHE:HE2	1:117:A:VAL:HG23	5	1.07
(1,2358)	1:31:A:PRO:HB2	1:121:A:PHE:H	15	1.07
(1,2115)	1:2:A:ARG:HG3	1:3:A:VAL:H	8	1.07
(1,1965)	1:17:A:ASN:HA	1:18:A:GLU:HB3	19	1.07
(1,1876)	1:60:A:VAL:HG11	1:88:A:LYS:HA	14	1.07
(1,1876)	1:60:A:VAL:HG12	1:88:A:LYS:HA	14	1.07
(1,1876)	1:60:A:VAL:HG13	1:88:A:LYS:HA	14	1.07
(1,1760)	1:31:A:PRO:HB3	1:32:A:PHE:HA	9	1.07
(1,1343)	1:13:A:VAL:HG21	1:14:A:ILE:H	9	1.07
(1,1343)	1:13:A:VAL:HG22	1:14:A:ILE:H	9	1.07
(1,1343)	1:13:A:VAL:HG23	1:14:A:ILE:H	9	1.07
(1,1343)	1:13:A:VAL:HG21	1:14:A:ILE:H	11	1.07
(1,1343)	1:13:A:VAL:HG22	1:14:A:ILE:H	11	1.07
(1,1343)	1:13:A:VAL:HG23	1:14:A:ILE:H	11	1.07
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG21	6	1.07
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG22	6	1.07
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG23	6	1.07
(1,1243)	1:12:A:CYS:HA	1:108:A:LEU:HD21	8	1.07
(1,1243)	1:12:A:CYS:HA	1:108:A:LEU:HD22	8	1.07
(1,1243)	1:12:A:CYS:HA	1:108:A:LEU:HD23	8	1.07
(1,1040)	1:26:A:LEU:HD11	1:48:A:PRO:HD3	2	1.07
(1,1040)	1:26:A:LEU:HD12	1:48:A:PRO:HD3	2	1.07
(1,1040)	1:26:A:LEU:HD13	1:48:A:PRO:HD3	2	1.07
(1,681)	1:63:A:ILE:HG13	1:79:A:PHE:HA	7	1.07
(1,620)	1:59:A:GLU:HB3	1:60:A:VAL:HG21	18	1.07
(1,620)	1:59:A:GLU:HB3	1:60:A:VAL:HG22	18	1.07
(1,620)	1:59:A:GLU:HB3	1:60:A:VAL:HG23	18	1.07
(1,550)	1:42:A:GLU:HG3	1:78:A:PHE:HE1	19	1.07
(1,550)	1:42:A:GLU:HG3	1:78:A:PHE:HE2	19	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,415)	1:12:A:CYS:HB2	1:13:A:VAL:HB	6	1.07
(1,239)	1:18:A:GLU:HG3	1:24:A:LYS:HG2	15	1.07
(1,65)	1:15:A:ASP:HB2	1:100:A:LYS:HB2	3	1.07
(1,2781)	1:65:A:ASP:HB3	1:78:A:PHE:HD1	1	1.06
(1,2781)	1:65:A:ASP:HB3	1:78:A:PHE:HD2	1	1.06
(1,2760)	1:32:A:PHE:HD1	1:48:A:PRO:HG2	5	1.06
(1,2760)	1:32:A:PHE:HD2	1:48:A:PRO:HG2	5	1.06
(1,2760)	1:32:A:PHE:HD1	1:48:A:PRO:HG2	15	1.06
(1,2760)	1:32:A:PHE:HD2	1:48:A:PRO:HG2	15	1.06
(1,1965)	1:17:A:ASN:HA	1:18:A:GLU:HB3	4	1.06
(1,1962)	1:29:A:LYS:HA	1:30:A:ILE:HG12	9	1.06
(1,1812)	1:7:A:PHE:HB3	1:11:A:LYS:HA	8	1.06
(1,1760)	1:31:A:PRO:HB3	1:32:A:PHE:HA	16	1.06
(1,1693)	1:27:A:LYS:HG3	1:28:A:GLU:HA	11	1.06
(1,1587)	1:101:A:ILE:HG21	1:105:A:LEU:HB3	19	1.06
(1,1587)	1:101:A:ILE:HG22	1:105:A:LEU:HB3	19	1.06
(1,1587)	1:101:A:ILE:HG23	1:105:A:LEU:HB3	19	1.06
(1,1366)	1:59:A:GLU:HB2	1:60:A:VAL:HG21	15	1.06
(1,1366)	1:59:A:GLU:HB2	1:60:A:VAL:HG22	15	1.06
(1,1366)	1:59:A:GLU:HB2	1:60:A:VAL:HG23	15	1.06
(1,1343)	1:13:A:VAL:HG21	1:14:A:ILE:H	13	1.06
(1,1343)	1:13:A:VAL:HG22	1:14:A:ILE:H	13	1.06
(1,1343)	1:13:A:VAL:HG23	1:14:A:ILE:H	13	1.06
(1,1330)	1:35:A:VAL:HG21	1:116:A:LYS:HE3	12	1.06
(1,1330)	1:35:A:VAL:HG22	1:116:A:LYS:HE3	12	1.06
(1,1330)	1:35:A:VAL:HG23	1:116:A:LYS:HE3	12	1.06
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG21	3	1.06
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG22	3	1.06
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG23	3	1.06
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG21	3	1.06
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG22	3	1.06
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG23	3	1.06
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG21	3	1.06
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG22	3	1.06
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG23	3	1.06
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG21	13	1.06
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG22	13	1.06
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG23	13	1.06
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG21	13	1.06
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG22	13	1.06
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG23	13	1.06
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG21	13	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG22	13	1.06
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG23	13	1.06
(1,1298)	1:22:A:VAL:HG21	1:96:A:ASN:HD21	1	1.06
(1,1298)	1:22:A:VAL:HG22	1:96:A:ASN:HD21	1	1.06
(1,1298)	1:22:A:VAL:HG23	1:96:A:ASN:HD21	1	1.06
(1,1272)	1:51:A:VAL:HG11	1:53:A:LYS:H	20	1.06
(1,1272)	1:51:A:VAL:HG12	1:53:A:LYS:H	20	1.06
(1,1272)	1:51:A:VAL:HG13	1:53:A:LYS:H	20	1.06
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG21	1	1.06
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG22	1	1.06
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG23	1	1.06
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG21	14	1.06
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG22	14	1.06
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG23	14	1.06
(1,1191)	1:93:A:SER:H	1:95:A:VAL:HG11	19	1.06
(1,1191)	1:93:A:SER:H	1:95:A:VAL:HG12	19	1.06
(1,1191)	1:93:A:SER:H	1:95:A:VAL:HG13	19	1.06
(1,1080)	1:16:A:LEU:HD21	1:99:A:GLY:HA3	1	1.06
(1,1080)	1:16:A:LEU:HD22	1:99:A:GLY:HA3	1	1.06
(1,1080)	1:16:A:LEU:HD23	1:99:A:GLY:HA3	1	1.06
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG11	7	1.06
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG12	7	1.06
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG13	7	1.06
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG11	7	1.06
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG12	7	1.06
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG13	7	1.06
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG11	7	1.06
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG12	7	1.06
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG13	7	1.06
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD21	3	1.06
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD22	3	1.06
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD23	3	1.06
(1,792)	1:79:A:PHE:HB2	1:108:A:LEU:HD11	5	1.06
(1,792)	1:79:A:PHE:HB2	1:108:A:LEU:HD12	5	1.06
(1,792)	1:79:A:PHE:HB2	1:108:A:LEU:HD13	5	1.06
(1,792)	1:79:A:PHE:HB2	1:108:A:LEU:HD11	16	1.06
(1,792)	1:79:A:PHE:HB2	1:108:A:LEU:HD12	16	1.06
(1,792)	1:79:A:PHE:HB2	1:108:A:LEU:HD13	16	1.06
(1,714)	1:21:A:GLU:HB2	1:25:A:LEU:HD11	17	1.06
(1,714)	1:21:A:GLU:HB2	1:25:A:LEU:HD12	17	1.06
(1,714)	1:21:A:GLU:HB2	1:25:A:LEU:HD13	17	1.06
(1,714)	1:21:A:GLU:HB3	1:25:A:LEU:HD11	17	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,714)	1:21:A:GLU:HB3	1:25:A:LEU:HD12	17	1.06
(1,714)	1:21:A:GLU:HB3	1:25:A:LEU:HD13	17	1.06
(1,633)	1:56:A:ASN:HB2	1:97:A:VAL:HB	1	1.06
(1,584)	1:48:A:PRO:HB2	1:49:A:VAL:HG11	10	1.06
(1,584)	1:48:A:PRO:HB2	1:49:A:VAL:HG12	10	1.06
(1,584)	1:48:A:PRO:HB2	1:49:A:VAL:HG13	10	1.06
(1,535)	1:23:A:VAL:H	1:24:A:LYS:HB3	17	1.06
(1,505)	1:23:A:VAL:HG21	1:27:A:LYS:HB2	20	1.06
(1,505)	1:23:A:VAL:HG22	1:27:A:LYS:HB2	20	1.06
(1,505)	1:23:A:VAL:HG23	1:27:A:LYS:HB2	20	1.06
(1,285)	1:8:A:GLU:HG3	1:115:A:GLU:HG3	17	1.06
(1,239)	1:18:A:GLU:HG3	1:24:A:LYS:HG2	17	1.06
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG21	2	1.06
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG22	2	1.06
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG23	2	1.06
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG21	12	1.06
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG22	12	1.06
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG23	12	1.06
(1,65)	1:15:A:ASP:HB2	1:100:A:LYS:HB2	19	1.06
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG11	8	1.05
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG12	8	1.05
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG13	8	1.05
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG11	8	1.05
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG12	8	1.05
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG13	8	1.05
(1,2760)	1:32:A:PHE:HD1	1:48:A:PRO:HG2	2	1.05
(1,2760)	1:32:A:PHE:HD2	1:48:A:PRO:HG2	2	1.05
(1,2693)	1:17:A:ASN:HD21	1:19:A:GLU:HB3	4	1.05
(1,2115)	1:2:A:ARG:HG3	1:3:A:VAL:H	18	1.05
(1,1965)	1:17:A:ASN:HA	1:18:A:GLU:HB3	7	1.05
(1,1812)	1:7:A:PHE:HB3	1:11:A:LYS:HA	13	1.05
(1,1760)	1:31:A:PRO:HB3	1:32:A:PHE:HA	11	1.05
(1,1366)	1:59:A:GLU:HB2	1:60:A:VAL:HG21	7	1.05
(1,1366)	1:59:A:GLU:HB2	1:60:A:VAL:HG22	7	1.05
(1,1366)	1:59:A:GLU:HB2	1:60:A:VAL:HG23	7	1.05
(1,1343)	1:13:A:VAL:HG21	1:14:A:ILE:H	3	1.05
(1,1343)	1:13:A:VAL:HG22	1:14:A:ILE:H	3	1.05
(1,1343)	1:13:A:VAL:HG23	1:14:A:ILE:H	3	1.05
(1,1139)	1:49:A:VAL:HG21	1:50:A:ASN:HA	10	1.05
(1,1139)	1:49:A:VAL:HG22	1:50:A:ASN:HA	10	1.05
(1,1139)	1:49:A:VAL:HG23	1:50:A:ASN:HA	10	1.05
(1,1032)	1:26:A:LEU:HD11	1:47:A:THR:HB	6	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1032)	1:26:A:LEU:HD12	1:47:A:THR:HB	6	1.05
(1,1032)	1:26:A:LEU:HD13	1:47:A:THR:HB	6	1.05
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD21	3	1.05
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD22	3	1.05
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD23	3	1.05
(1,753)	1:5:A:LEU:HD21	1:12:A:CYS:HB2	15	1.05
(1,753)	1:5:A:LEU:HD22	1:12:A:CYS:HB2	15	1.05
(1,753)	1:5:A:LEU:HD23	1:12:A:CYS:HB2	15	1.05
(1,704)	1:81:A:LYS:HD2	1:89:A:ILE:HD11	12	1.05
(1,704)	1:81:A:LYS:HD2	1:89:A:ILE:HD12	12	1.05
(1,704)	1:81:A:LYS:HD2	1:89:A:ILE:HD13	12	1.05
(1,681)	1:63:A:ILE:HG13	1:79:A:PHE:HA	14	1.05
(1,681)	1:63:A:ILE:HG13	1:79:A:PHE:HA	15	1.05
(1,633)	1:56:A:ASN:HB2	1:97:A:VAL:HB	16	1.05
(1,535)	1:23:A:VAL:H	1:24:A:LYS:HB3	12	1.05
(1,180)	1:22:A:VAL:HG11	1:25:A:LEU:HB3	1	1.05
(1,180)	1:22:A:VAL:HG12	1:25:A:LEU:HB3	1	1.05
(1,180)	1:22:A:VAL:HG13	1:25:A:LEU:HB3	1	1.05
(1,180)	1:22:A:VAL:HG11	1:25:A:LEU:HB3	18	1.05
(1,180)	1:22:A:VAL:HG12	1:25:A:LEU:HB3	18	1.05
(1,180)	1:22:A:VAL:HG13	1:25:A:LEU:HB3	18	1.05
(1,2760)	1:32:A:PHE:HD1	1:48:A:PRO:HG2	19	1.04
(1,2760)	1:32:A:PHE:HD2	1:48:A:PRO:HG2	19	1.04
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG11	11	1.04
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG12	11	1.04
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG13	11	1.04
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG11	11	1.04
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG12	11	1.04
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG13	11	1.04
(1,2358)	1:31:A:PRO:HB2	1:121:A:PHE:H	3	1.04
(1,2320)	1:96:A:ASN:H	1:96:A:ASN:HD22	14	1.04
(1,2269)	1:30:A:ILE:H	1:30:A:ILE:HG12	11	1.04
(1,2115)	1:2:A:ARG:HG3	1:3:A:VAL:H	15	1.04
(1,1935)	1:120:A:ARG:HA	1:121:A:PHE:HB3	8	1.04
(1,1812)	1:7:A:PHE:HB3	1:11:A:LYS:HA	9	1.04
(1,1711)	1:61:A:VAL:HG11	1:78:A:PHE:HB3	13	1.04
(1,1711)	1:61:A:VAL:HG12	1:78:A:PHE:HB3	13	1.04
(1,1711)	1:61:A:VAL:HG13	1:78:A:PHE:HB3	13	1.04
(1,1298)	1:22:A:VAL:HG21	1:96:A:ASN:HD21	5	1.04
(1,1298)	1:22:A:VAL:HG22	1:96:A:ASN:HD21	5	1.04
(1,1298)	1:22:A:VAL:HG23	1:96:A:ASN:HD21	5	1.04
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG21	16	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG22	16	1.04
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG23	16	1.04
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG21	16	1.04
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG22	16	1.04
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG23	16	1.04
(1,1293)	1:13:A:VAL:HG11	1:103:A:GLU:HB3	8	1.04
(1,1293)	1:13:A:VAL:HG12	1:103:A:GLU:HB3	8	1.04
(1,1293)	1:13:A:VAL:HG13	1:103:A:GLU:HB3	8	1.04
(1,1293)	1:13:A:VAL:HG11	1:103:A:GLU:HB3	19	1.04
(1,1293)	1:13:A:VAL:HG12	1:103:A:GLU:HB3	19	1.04
(1,1293)	1:13:A:VAL:HG13	1:103:A:GLU:HB3	19	1.04
(1,1084)	1:15:A:ASP:HB2	1:16:A:LEU:HD21	2	1.04
(1,1084)	1:15:A:ASP:HB2	1:16:A:LEU:HD22	2	1.04
(1,1084)	1:15:A:ASP:HB2	1:16:A:LEU:HD23	2	1.04
(1,1084)	1:15:A:ASP:HB2	1:16:A:LEU:HD21	13	1.04
(1,1084)	1:15:A:ASP:HB2	1:16:A:LEU:HD22	13	1.04
(1,1084)	1:15:A:ASP:HB2	1:16:A:LEU:HD23	13	1.04
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD21	4	1.04
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD22	4	1.04
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD23	4	1.04
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD21	4	1.04
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD22	4	1.04
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD23	4	1.04
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD21	17	1.04
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD22	17	1.04
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD23	17	1.04
(1,946)	1:16:A:LEU:HD11	1:23:A:VAL:HA	1	1.04
(1,946)	1:16:A:LEU:HD12	1:23:A:VAL:HA	1	1.04
(1,946)	1:16:A:LEU:HD13	1:23:A:VAL:HA	1	1.04
(1,787)	1:79:A:PHE:HA	1:108:A:LEU:HD11	8	1.04
(1,787)	1:79:A:PHE:HA	1:108:A:LEU:HD12	8	1.04
(1,787)	1:79:A:PHE:HA	1:108:A:LEU:HD13	8	1.04
(1,761)	1:5:A:LEU:HD21	1:14:A:ILE:HG13	10	1.04
(1,761)	1:5:A:LEU:HD22	1:14:A:ILE:HG13	10	1.04
(1,761)	1:5:A:LEU:HD23	1:14:A:ILE:HG13	10	1.04
(1,681)	1:63:A:ILE:HG13	1:79:A:PHE:HA	2	1.04
(1,681)	1:63:A:ILE:HG13	1:79:A:PHE:HA	10	1.04
(1,632)	1:58:A:ARG:HG2	1:97:A:VAL:HB	5	1.04
(1,549)	1:62:A:GLU:HB3	1:65:A:ASP:HB3	6	1.04
(1,457)	1:13:A:VAL:HG11	1:103:A:GLU:HB2	1	1.04
(1,457)	1:13:A:VAL:HG12	1:103:A:GLU:HB2	1	1.04
(1,457)	1:13:A:VAL:HG13	1:103:A:GLU:HB2	1	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,415)	1:12:A:CYS:HB2	1:13:A:VAL:HB	16	1.04
(1,351)	1:102:A:VAL:HG21	1:103:A:GLU:HG2	10	1.04
(1,351)	1:102:A:VAL:HG22	1:103:A:GLU:HG2	10	1.04
(1,351)	1:102:A:VAL:HG23	1:103:A:GLU:HG2	10	1.04
(1,287)	1:7:A:PHE:HB2	1:8:A:GLU:HG3	6	1.04
(1,239)	1:18:A:GLU:HG3	1:24:A:LYS:HG2	3	1.04
(1,124)	1:112:A:LYS:HA	1:112:A:LYS:HE2	11	1.04
(1,53)	1:72:A:GLY:HA2	1:74:A:ALA:H	7	1.04
(1,2829)	1:27:A:LYS:HG3	1:121:A:PHE:HZ	3	1.03
(1,2793)	1:7:A:PHE:HE1	1:117:A:VAL:HG21	2	1.03
(1,2793)	1:7:A:PHE:HE1	1:117:A:VAL:HG22	2	1.03
(1,2793)	1:7:A:PHE:HE1	1:117:A:VAL:HG23	2	1.03
(1,2793)	1:7:A:PHE:HE2	1:117:A:VAL:HG21	2	1.03
(1,2793)	1:7:A:PHE:HE2	1:117:A:VAL:HG22	2	1.03
(1,2793)	1:7:A:PHE:HE2	1:117:A:VAL:HG23	2	1.03
(1,2358)	1:31:A:PRO:HB2	1:121:A:PHE:H	7	1.03
(1,2165)	1:5:A:LEU:H	1:14:A:ILE:HG13	5	1.03
(1,2165)	1:5:A:LEU:H	1:14:A:ILE:HG13	6	1.03
(1,2115)	1:2:A:ARG:HG3	1:3:A:VAL:H	10	1.03
(1,1962)	1:29:A:LYS:HA	1:30:A:ILE:HG12	17	1.03
(1,1752)	1:59:A:GLU:HA	1:60:A:VAL:HG21	19	1.03
(1,1752)	1:59:A:GLU:HA	1:60:A:VAL:HG22	19	1.03
(1,1752)	1:59:A:GLU:HA	1:60:A:VAL:HG23	19	1.03
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG11	3	1.03
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG12	3	1.03
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG13	3	1.03
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG21	17	1.03
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG22	17	1.03
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG23	17	1.03
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG21	14	1.03
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG22	14	1.03
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG23	14	1.03
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG21	14	1.03
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG22	14	1.03
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG23	14	1.03
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG21	14	1.03
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG22	14	1.03
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG23	14	1.03
(1,1253)	1:7:A:PHE:HE1	1:117:A:VAL:HG21	2	1.03
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD11	11	1.03
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD12	11	1.03
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD13	11	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD11	11	1.03
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD12	11	1.03
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD13	11	1.03
(1,658)	1:72:A:GLY:HA3	1:73:A:LYS:HD2	9	1.03
(1,658)	1:72:A:GLY:HA3	1:73:A:LYS:HD3	9	1.03
(1,549)	1:62:A:GLU:HB3	1:65:A:ASP:HB3	19	1.03
(1,535)	1:23:A:VAL:H	1:24:A:LYS:HB3	4	1.03
(1,2843)	1:26:A:LEU:HD11	1:32:A:PHE:HE1	1	1.02
(1,2843)	1:26:A:LEU:HD11	1:32:A:PHE:HE2	1	1.02
(1,2843)	1:26:A:LEU:HD12	1:32:A:PHE:HE1	1	1.02
(1,2843)	1:26:A:LEU:HD12	1:32:A:PHE:HE2	1	1.02
(1,2843)	1:26:A:LEU:HD13	1:32:A:PHE:HE1	1	1.02
(1,2843)	1:26:A:LEU:HD13	1:32:A:PHE:HE2	1	1.02
(1,2769)	1:79:A:PHE:HD1	1:109:A:LYS:HE3	16	1.02
(1,2769)	1:79:A:PHE:HD2	1:109:A:LYS:HE3	16	1.02
(1,2760)	1:32:A:PHE:HD1	1:48:A:PRO:HG2	8	1.02
(1,2760)	1:32:A:PHE:HD2	1:48:A:PRO:HG2	8	1.02
(1,2760)	1:32:A:PHE:HD1	1:48:A:PRO:HG2	20	1.02
(1,2760)	1:32:A:PHE:HD2	1:48:A:PRO:HG2	20	1.02
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG11	6	1.02
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG12	6	1.02
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG13	6	1.02
(1,1965)	1:17:A:ASN:HA	1:18:A:GLU:HB3	10	1.02
(1,1965)	1:17:A:ASN:HA	1:18:A:GLU:HB3	11	1.02
(1,1760)	1:31:A:PRO:HB3	1:32:A:PHE:HA	14	1.02
(1,1711)	1:61:A:VAL:HG11	1:78:A:PHE:HB3	11	1.02
(1,1711)	1:61:A:VAL:HG12	1:78:A:PHE:HB3	11	1.02
(1,1711)	1:61:A:VAL:HG13	1:78:A:PHE:HB3	11	1.02
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG11	8	1.02
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG12	8	1.02
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG13	8	1.02
(1,1343)	1:13:A:VAL:HG21	1:14:A:ILE:H	16	1.02
(1,1343)	1:13:A:VAL:HG22	1:14:A:ILE:H	16	1.02
(1,1343)	1:13:A:VAL:HG23	1:14:A:ILE:H	16	1.02
(1,1340)	1:59:A:GLU:H	1:60:A:VAL:HG21	7	1.02
(1,1340)	1:59:A:GLU:H	1:60:A:VAL:HG22	7	1.02
(1,1340)	1:59:A:GLU:H	1:60:A:VAL:HG23	7	1.02
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG21	4	1.02
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG22	4	1.02
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG23	4	1.02
(1,1084)	1:15:A:ASP:HB2	1:16:A:LEU:HD21	20	1.02
(1,1084)	1:15:A:ASP:HB2	1:16:A:LEU:HD22	20	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1084)	1:15:A:ASP:HB2	1:16:A:LEU:HD23	20	1.02
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD21	18	1.02
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD22	18	1.02
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD23	18	1.02
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG21	20	1.02
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG22	20	1.02
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG23	20	1.02
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG21	20	1.02
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG22	20	1.02
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG23	20	1.02
(1,549)	1:62:A:GLU:HB3	1:65:A:ASP:HB3	14	1.02
(1,191)	1:10:A:GLY:HA2	1:107:A:ASP:HB3	11	1.02
(1,191)	1:10:A:GLY:HA3	1:107:A:ASP:HB3	11	1.02
(1,31)	1:1:A:MET:HB2	1:16:A:LEU:HB3	13	1.02
(1,31)	1:1:A:MET:HB3	1:16:A:LEU:HB3	13	1.02
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG11	6	1.01
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG12	6	1.01
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG13	6	1.01
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG11	6	1.01
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG12	6	1.01
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG13	6	1.01
(1,2781)	1:65:A:ASP:HB3	1:78:A:PHE:HD1	19	1.01
(1,2781)	1:65:A:ASP:HB3	1:78:A:PHE:HD2	19	1.01
(1,2358)	1:31:A:PRO:HB2	1:121:A:PHE:H	13	1.01
(1,2269)	1:30:A:ILE:H	1:30:A:ILE:HG12	16	1.01
(1,2115)	1:2:A:ARG:HG3	1:3:A:VAL:H	7	1.01
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG11	9	1.01
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG12	9	1.01
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG13	9	1.01
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG11	18	1.01
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG12	18	1.01
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG13	18	1.01
(1,1965)	1:17:A:ASN:HA	1:18:A:GLU:HB3	13	1.01
(1,1965)	1:17:A:ASN:HA	1:18:A:GLU:HB3	17	1.01
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD11	2	1.01
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD12	2	1.01
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD13	2	1.01
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD11	2	1.01
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD12	2	1.01
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD13	2	1.01
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD11	2	1.01
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD12	2	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD13	2	1.01
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD11	4	1.01
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD12	4	1.01
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD13	4	1.01
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD11	4	1.01
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD12	4	1.01
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD13	4	1.01
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD11	4	1.01
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD12	4	1.01
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD13	4	1.01
(1,1787)	1:7:A:PHE:HA	1:117:A:VAL:HG21	5	1.01
(1,1787)	1:7:A:PHE:HA	1:117:A:VAL:HG22	5	1.01
(1,1787)	1:7:A:PHE:HA	1:117:A:VAL:HG23	5	1.01
(1,1587)	1:101:A:ILE:HG21	1:105:A:LEU:HB3	7	1.01
(1,1587)	1:101:A:ILE:HG22	1:105:A:LEU:HB3	7	1.01
(1,1587)	1:101:A:ILE:HG23	1:105:A:LEU:HB3	7	1.01
(1,1380)	1:58:A:ARG:HG2	1:97:A:VAL:HG11	5	1.01
(1,1380)	1:58:A:ARG:HG2	1:97:A:VAL:HG12	5	1.01
(1,1380)	1:58:A:ARG:HG2	1:97:A:VAL:HG13	5	1.01
(1,1351)	1:13:A:VAL:HA	1:14:A:ILE:HG13	19	1.01
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG21	17	1.01
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG22	17	1.01
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG23	17	1.01
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG21	6	1.01
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG22	6	1.01
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG23	6	1.01
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG21	12	1.01
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG22	12	1.01
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG23	12	1.01
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG21	7	1.01
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG22	7	1.01
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG23	7	1.01
(1,1063)	1:22:A:VAL:HA	1:25:A:LEU:HD11	12	1.01
(1,1063)	1:22:A:VAL:HA	1:25:A:LEU:HD12	12	1.01
(1,1063)	1:22:A:VAL:HA	1:25:A:LEU:HD13	12	1.01
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG11	16	1.01
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG12	16	1.01
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG13	16	1.01
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG11	16	1.01
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG12	16	1.01
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG13	16	1.01
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG11	16	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG12	16	1.01
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG13	16	1.01
(1,882)	1:7:A:PHE:HE2	1:77:A:LEU:HD11	4	1.01
(1,882)	1:7:A:PHE:HE2	1:77:A:LEU:HD11	10	1.01
(1,826)	1:7:A:PHE:HD1	1:111:A:ILE:HG12	18	1.01
(1,703)	1:81:A:LYS:HD2	1:85:A:SER:HB2	11	1.01
(1,681)	1:63:A:ILE:HG13	1:79:A:PHE:HA	9	1.01
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG21	4	1.01
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG22	4	1.01
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG23	4	1.01
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG21	4	1.01
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG22	4	1.01
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG23	4	1.01
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG21	19	1.01
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG22	19	1.01
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG23	19	1.01
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG21	19	1.01
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG22	19	1.01
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG23	19	1.01
(1,620)	1:59:A:GLU:HB3	1:60:A:VAL:HG21	16	1.01
(1,620)	1:59:A:GLU:HB3	1:60:A:VAL:HG22	16	1.01
(1,620)	1:59:A:GLU:HB3	1:60:A:VAL:HG23	16	1.01
(1,521)	1:51:A:VAL:HG11	1:53:A:LYS:HB2	19	1.01
(1,521)	1:51:A:VAL:HG12	1:53:A:LYS:HB2	19	1.01
(1,521)	1:51:A:VAL:HG13	1:53:A:LYS:HB2	19	1.01
(1,287)	1:7:A:PHE:HB2	1:8:A:GLU:HG3	20	1.01
(1,180)	1:22:A:VAL:HG11	1:25:A:LEU:HB3	13	1.01
(1,180)	1:22:A:VAL:HG12	1:25:A:LEU:HB3	13	1.01
(1,180)	1:22:A:VAL:HG13	1:25:A:LEU:HB3	13	1.01
(1,65)	1:15:A:ASP:HB2	1:100:A:LYS:HB2	20	1.01
(1,2887)	1:69:A:TRP:HZ3	1:72:A:GLY:HA2	6	1.0
(1,2722)	1:61:A:VAL:HG21	1:95:A:VAL:H	12	1.0
(1,2722)	1:61:A:VAL:HG22	1:95:A:VAL:H	12	1.0
(1,2722)	1:61:A:VAL:HG23	1:95:A:VAL:H	12	1.0
(1,2320)	1:96:A:ASN:H	1:96:A:ASN:HD22	15	1.0
(1,2269)	1:30:A:ILE:H	1:30:A:ILE:HG12	8	1.0
(1,2269)	1:30:A:ILE:H	1:30:A:ILE:HG12	15	1.0
(1,2255)	1:22:A:VAL:HG11	1:51:A:VAL:H	6	1.0
(1,2255)	1:22:A:VAL:HG12	1:51:A:VAL:H	6	1.0
(1,2255)	1:22:A:VAL:HG13	1:51:A:VAL:H	6	1.0
(1,2255)	1:22:A:VAL:HG11	1:51:A:VAL:H	18	1.0
(1,2255)	1:22:A:VAL:HG12	1:51:A:VAL:H	18	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2255)	1:22:A:VAL:HG13	1:51:A:VAL:H	18	1.0
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG11	12	1.0
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG12	12	1.0
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG13	12	1.0
(1,1935)	1:120:A:ARG:HA	1:121:A:PHE:HB3	11	1.0
(1,1812)	1:7:A:PHE:HB3	1:11:A:LYS:HA	15	1.0
(1,1760)	1:31:A:PRO:HB3	1:32:A:PHE:HA	20	1.0
(1,1706)	1:61:A:VAL:HG11	1:89:A:ILE:HA	15	1.0
(1,1706)	1:61:A:VAL:HG12	1:89:A:ILE:HA	15	1.0
(1,1706)	1:61:A:VAL:HG13	1:89:A:ILE:HA	15	1.0
(1,1636)	1:85:A:SER:HA	1:90:A:GLN:HG2	5	1.0
(1,1636)	1:85:A:SER:HA	1:90:A:GLN:HG2	10	1.0
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG21	4	1.0
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG22	4	1.0
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG23	4	1.0
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG21	4	1.0
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG22	4	1.0
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG23	4	1.0
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG21	4	1.0
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG22	4	1.0
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG23	4	1.0
(1,1496)	1:95:A:VAL:HG21	1:97:A:VAL:HA	12	1.0
(1,1496)	1:95:A:VAL:HG22	1:97:A:VAL:HA	12	1.0
(1,1496)	1:95:A:VAL:HG23	1:97:A:VAL:HA	12	1.0
(1,1496)	1:95:A:VAL:HG21	1:97:A:VAL:HA	19	1.0
(1,1496)	1:95:A:VAL:HG22	1:97:A:VAL:HA	19	1.0
(1,1496)	1:95:A:VAL:HG23	1:97:A:VAL:HA	19	1.0
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG11	7	1.0
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG12	7	1.0
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG13	7	1.0
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG21	14	1.0
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG22	14	1.0
(1,1311)	1:58:A:ARG:HB2	1:61:A:VAL:HG23	14	1.0
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG21	14	1.0
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG22	14	1.0
(1,1311)	1:58:A:ARG:HB3	1:61:A:VAL:HG23	14	1.0
(1,1293)	1:13:A:VAL:HG11	1:103:A:GLU:HB3	5	1.0
(1,1293)	1:13:A:VAL:HG12	1:103:A:GLU:HB3	5	1.0
(1,1293)	1:13:A:VAL:HG13	1:103:A:GLU:HB3	5	1.0
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG21	4	1.0
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG22	4	1.0
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG23	4	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG21	15	1.0
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG22	15	1.0
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG23	15	1.0
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG21	15	1.0
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG22	15	1.0
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG23	15	1.0
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG21	15	1.0
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG22	15	1.0
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG23	15	1.0
(1,1259)	1:5:A:LEU:HB3	1:117:A:VAL:HG21	5	1.0
(1,1259)	1:5:A:LEU:HB3	1:117:A:VAL:HG22	5	1.0
(1,1259)	1:5:A:LEU:HB3	1:117:A:VAL:HG23	5	1.0
(1,1235)	1:107:A:ASP:HA	1:108:A:LEU:HD21	1	1.0
(1,1235)	1:107:A:ASP:HA	1:108:A:LEU:HD22	1	1.0
(1,1235)	1:107:A:ASP:HA	1:108:A:LEU:HD23	1	1.0
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG21	1	1.0
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG22	1	1.0
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG23	1	1.0
(1,1021)	1:53:A:LYS:HG3	1:55:A:GLU:H	16	1.0
(1,966)	1:64:A:GLY:HA2	1:105:A:LEU:HD21	18	1.0
(1,966)	1:64:A:GLY:HA2	1:105:A:LEU:HD22	18	1.0
(1,966)	1:64:A:GLY:HA2	1:105:A:LEU:HD23	18	1.0
(1,952)	1:18:A:GLU:HB2	1:24:A:LYS:HG2	11	1.0
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD21	4	1.0
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD22	4	1.0
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD23	4	1.0
(1,714)	1:21:A:GLU:HB2	1:25:A:LEU:HD11	12	1.0
(1,714)	1:21:A:GLU:HB2	1:25:A:LEU:HD12	12	1.0
(1,714)	1:21:A:GLU:HB2	1:25:A:LEU:HD13	12	1.0
(1,714)	1:21:A:GLU:HB3	1:25:A:LEU:HD11	12	1.0
(1,714)	1:21:A:GLU:HB3	1:25:A:LEU:HD12	12	1.0
(1,714)	1:21:A:GLU:HB3	1:25:A:LEU:HD13	12	1.0
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG21	17	1.0
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG22	17	1.0
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG23	17	1.0
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG21	17	1.0
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG22	17	1.0
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG23	17	1.0
(1,645)	1:52:A:GLN:HE22	1:70:A:PRO:HB2	3	1.0
(1,633)	1:56:A:ASN:HB2	1:97:A:VAL:HB	2	1.0
(1,584)	1:48:A:PRO:HB2	1:49:A:VAL:HG11	11	1.0
(1,584)	1:48:A:PRO:HB2	1:49:A:VAL:HG12	11	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,584)	1:48:A:PRO:HB2	1:49:A:VAL:HG13	11	1.0
(1,549)	1:62:A:GLU:HB3	1:65:A:ASP:HB3	1	1.0
(1,415)	1:12:A:CYS:HB2	1:13:A:VAL:HB	10	1.0
(1,180)	1:22:A:VAL:HG11	1:25:A:LEU:HB3	6	1.0
(1,180)	1:22:A:VAL:HG12	1:25:A:LEU:HB3	6	1.0
(1,180)	1:22:A:VAL:HG13	1:25:A:LEU:HB3	6	1.0
(1,180)	1:22:A:VAL:HG11	1:25:A:LEU:HB3	12	1.0
(1,180)	1:22:A:VAL:HG12	1:25:A:LEU:HB3	12	1.0
(1,180)	1:22:A:VAL:HG13	1:25:A:LEU:HB3	12	1.0
(1,132)	1:106:A:GLU:HA	1:109:A:LYS:HE3	16	1.0
(1,2829)	1:27:A:LYS:HG3	1:121:A:PHE:HZ	14	0.99
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG11	17	0.99
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG12	17	0.99
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG13	17	0.99
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG11	17	0.99
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG12	17	0.99
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG13	17	0.99
(1,2269)	1:30:A:ILE:H	1:30:A:ILE:HG12	5	0.99
(1,2080)	1:56:A:ASN:HB2	1:97:A:VAL:H	3	0.99
(1,2080)	1:56:A:ASN:HB2	1:97:A:VAL:H	8	0.99
(1,1966)	1:2:A:ARG:HG3	1:15:A:ASP:HA	17	0.99
(1,1962)	1:29:A:LYS:HA	1:30:A:ILE:HG12	4	0.99
(1,1713)	1:61:A:VAL:HG11	1:78:A:PHE:HB2	18	0.99
(1,1713)	1:61:A:VAL:HG12	1:78:A:PHE:HB2	18	0.99
(1,1713)	1:61:A:VAL:HG13	1:78:A:PHE:HB2	18	0.99
(1,1693)	1:27:A:LYS:HG3	1:28:A:GLU:HA	18	0.99
(1,1587)	1:101:A:ILE:HG21	1:105:A:LEU:HB3	12	0.99
(1,1587)	1:101:A:ILE:HG22	1:105:A:LEU:HB3	12	0.99
(1,1587)	1:101:A:ILE:HG23	1:105:A:LEU:HB3	12	0.99
(1,1407)	1:22:A:VAL:HG11	1:26:A:LEU:HG	17	0.99
(1,1407)	1:22:A:VAL:HG12	1:26:A:LEU:HG	17	0.99
(1,1407)	1:22:A:VAL:HG13	1:26:A:LEU:HG	17	0.99
(1,1351)	1:13:A:VAL:HA	1:14:A:ILE:HG13	6	0.99
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG21	12	0.99
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG22	12	0.99
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG23	12	0.99
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG21	12	0.99
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG22	12	0.99
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG23	12	0.99
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG21	12	0.99
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG22	12	0.99
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG23	12	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG21	19	0.99
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG22	19	0.99
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG23	19	0.99
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG21	12	0.99
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG22	12	0.99
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG23	12	0.99
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG21	12	0.99
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG22	12	0.99
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG23	12	0.99
(1,415)	1:12:A:CYS:HB2	1:13:A:VAL:HB	14	0.99
(1,348)	1:54:A:MET:HB3	1:57:A:PRO:HG3	18	0.99
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG11	12	0.99
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG12	12	0.99
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG13	12	0.99
(1,287)	1:7:A:PHE:HB2	1:8:A:GLU:HG3	19	0.99
(1,131)	1:79:A:PHE:HE1	1:109:A:LYS:HE3	10	0.99
(1,131)	1:79:A:PHE:HE2	1:109:A:LYS:HE3	10	0.99
(1,77)	1:2:A:ARG:HD3	1:15:A:ASP:HB3	16	0.99
(1,65)	1:15:A:ASP:HB2	1:100:A:LYS:HB2	16	0.99
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG11	2	0.98
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG12	2	0.98
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG13	2	0.98
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG11	2	0.98
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG12	2	0.98
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG13	2	0.98
(1,2760)	1:32:A:PHE:HD1	1:48:A:PRO:HG2	13	0.98
(1,2760)	1:32:A:PHE:HD2	1:48:A:PRO:HG2	13	0.98
(1,2358)	1:31:A:PRO:HB2	1:121:A:PHE:H	11	0.98
(1,2255)	1:22:A:VAL:HG11	1:51:A:VAL:H	15	0.98
(1,2255)	1:22:A:VAL:HG12	1:51:A:VAL:H	15	0.98
(1,2255)	1:22:A:VAL:HG13	1:51:A:VAL:H	15	0.98
(1,2115)	1:2:A:ARG:HG3	1:3:A:VAL:H	20	0.98
(1,2080)	1:56:A:ASN:HB2	1:97:A:VAL:H	15	0.98
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD11	10	0.98
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD12	10	0.98
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD13	10	0.98
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD11	9	0.98
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD12	9	0.98
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD13	9	0.98
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD11	9	0.98
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD12	9	0.98
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD13	9	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD11	9	0.98
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD12	9	0.98
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD13	9	0.98
(1,1760)	1:31:A:PRO:HB3	1:32:A:PHE:HA	18	0.98
(1,1752)	1:59:A:GLU:HA	1:60:A:VAL:HG21	4	0.98
(1,1752)	1:59:A:GLU:HA	1:60:A:VAL:HG22	4	0.98
(1,1752)	1:59:A:GLU:HA	1:60:A:VAL:HG23	4	0.98
(1,1706)	1:61:A:VAL:HG11	1:89:A:ILE:HA	19	0.98
(1,1706)	1:61:A:VAL:HG12	1:89:A:ILE:HA	19	0.98
(1,1706)	1:61:A:VAL:HG13	1:89:A:ILE:HA	19	0.98
(1,1351)	1:13:A:VAL:HA	1:14:A:ILE:HG13	8	0.98
(1,1351)	1:13:A:VAL:HA	1:14:A:ILE:HG13	16	0.98
(1,1351)	1:13:A:VAL:HA	1:14:A:ILE:HG13	20	0.98
(1,1272)	1:51:A:VAL:HG11	1:53:A:LYS:H	9	0.98
(1,1272)	1:51:A:VAL:HG12	1:53:A:LYS:H	9	0.98
(1,1272)	1:51:A:VAL:HG13	1:53:A:LYS:H	9	0.98
(1,1235)	1:107:A:ASP:HA	1:108:A:LEU:HD21	16	0.98
(1,1235)	1:107:A:ASP:HA	1:108:A:LEU:HD22	16	0.98
(1,1235)	1:107:A:ASP:HA	1:108:A:LEU:HD23	16	0.98
(1,1038)	1:22:A:VAL:HG11	1:26:A:LEU:HD11	10	0.98
(1,1038)	1:22:A:VAL:HG11	1:26:A:LEU:HD12	10	0.98
(1,1038)	1:22:A:VAL:HG11	1:26:A:LEU:HD13	10	0.98
(1,1038)	1:22:A:VAL:HG12	1:26:A:LEU:HD11	10	0.98
(1,1038)	1:22:A:VAL:HG12	1:26:A:LEU:HD12	10	0.98
(1,1038)	1:22:A:VAL:HG12	1:26:A:LEU:HD13	10	0.98
(1,1038)	1:22:A:VAL:HG13	1:26:A:LEU:HD11	10	0.98
(1,1038)	1:22:A:VAL:HG13	1:26:A:LEU:HD12	10	0.98
(1,1038)	1:22:A:VAL:HG13	1:26:A:LEU:HD13	10	0.98
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD21	15	0.98
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD22	15	0.98
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD23	15	0.98
(1,803)	1:5:A:LEU:HG	1:117:A:VAL:HG21	5	0.98
(1,803)	1:5:A:LEU:HG	1:117:A:VAL:HG22	5	0.98
(1,803)	1:5:A:LEU:HG	1:117:A:VAL:HG23	5	0.98
(1,787)	1:79:A:PHE:HA	1:108:A:LEU:HD11	16	0.98
(1,787)	1:79:A:PHE:HA	1:108:A:LEU:HD12	16	0.98
(1,787)	1:79:A:PHE:HA	1:108:A:LEU:HD13	16	0.98
(1,681)	1:63:A:ILE:HG13	1:79:A:PHE:HA	11	0.98
(1,632)	1:58:A:ARG:HG2	1:97:A:VAL:HB	3	0.98
(1,625)	1:8:A:GLU:HG3	1:115:A:GLU:HB2	7	0.98
(1,620)	1:59:A:GLU:HB3	1:60:A:VAL:HG21	1	0.98
(1,620)	1:59:A:GLU:HB3	1:60:A:VAL:HG22	1	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,620)	1:59:A:GLU:HB3	1:60:A:VAL:HG23	1	0.98
(1,620)	1:59:A:GLU:HB3	1:60:A:VAL:HG21	7	0.98
(1,620)	1:59:A:GLU:HB3	1:60:A:VAL:HG22	7	0.98
(1,620)	1:59:A:GLU:HB3	1:60:A:VAL:HG23	7	0.98
(1,609)	1:58:A:ARG:HA	1:59:A:GLU:HB3	6	0.98
(1,584)	1:48:A:PRO:HB2	1:49:A:VAL:HG11	7	0.98
(1,584)	1:48:A:PRO:HB2	1:49:A:VAL:HG12	7	0.98
(1,584)	1:48:A:PRO:HB2	1:49:A:VAL:HG13	7	0.98
(1,505)	1:23:A:VAL:HG21	1:27:A:LYS:HB2	12	0.98
(1,505)	1:23:A:VAL:HG22	1:27:A:LYS:HB2	12	0.98
(1,505)	1:23:A:VAL:HG23	1:27:A:LYS:HB2	12	0.98
(1,2910)	1:39:A:TRP:HZ2	1:84:A:MET:HB3	2	0.97
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG11	5	0.97
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG12	5	0.97
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG13	5	0.97
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG11	5	0.97
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG12	5	0.97
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG13	5	0.97
(1,2786)	1:42:A:GLU:HG2	1:44:A:TYR:HD1	10	0.97
(1,2786)	1:42:A:GLU:HG2	1:44:A:TYR:HD2	10	0.97
(1,2358)	1:31:A:PRO:HB2	1:121:A:PHE:H	10	0.97
(1,2292)	1:35:A:VAL:H	1:117:A:VAL:HG11	5	0.97
(1,2292)	1:35:A:VAL:H	1:117:A:VAL:HG12	5	0.97
(1,2292)	1:35:A:VAL:H	1:117:A:VAL:HG13	5	0.97
(1,2269)	1:30:A:ILE:H	1:30:A:ILE:HG12	12	0.97
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG11	10	0.97
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG12	10	0.97
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG13	10	0.97
(1,2016)	1:54:A:MET:HB3	1:96:A:ASN:HA	13	0.97
(1,1966)	1:2:A:ARG:HG3	1:15:A:ASP:HA	13	0.97
(1,1935)	1:120:A:ARG:HA	1:121:A:PHE:HB3	3	0.97
(1,1935)	1:120:A:ARG:HA	1:121:A:PHE:HB3	6	0.97
(1,1935)	1:120:A:ARG:HA	1:121:A:PHE:HB3	19	0.97
(1,1760)	1:31:A:PRO:HB3	1:32:A:PHE:HA	6	0.97
(1,1760)	1:31:A:PRO:HB3	1:32:A:PHE:HA	19	0.97
(1,1752)	1:59:A:GLU:HA	1:60:A:VAL:HG21	16	0.97
(1,1752)	1:59:A:GLU:HA	1:60:A:VAL:HG22	16	0.97
(1,1752)	1:59:A:GLU:HA	1:60:A:VAL:HG23	16	0.97
(1,1693)	1:27:A:LYS:HG3	1:28:A:GLU:HA	3	0.97
(1,1587)	1:101:A:ILE:HG21	1:105:A:LEU:HB3	1	0.97
(1,1587)	1:101:A:ILE:HG22	1:105:A:LEU:HB3	1	0.97
(1,1587)	1:101:A:ILE:HG23	1:105:A:LEU:HB3	1	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG11	1	0.97
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG12	1	0.97
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG13	1	0.97
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG11	1	0.97
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG12	1	0.97
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG13	1	0.97
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG11	1	0.97
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG12	1	0.97
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG13	1	0.97
(1,1351)	1:13:A:VAL:HA	1:14:A:ILE:HG13	14	0.97
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG21	8	0.97
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG22	8	0.97
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG23	8	0.97
(1,1139)	1:49:A:VAL:HG21	1:50:A:ASN:HA	18	0.97
(1,1139)	1:49:A:VAL:HG22	1:50:A:ASN:HA	18	0.97
(1,1139)	1:49:A:VAL:HG23	1:50:A:ASN:HA	18	0.97
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB1	16	0.97
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB2	16	0.97
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB3	16	0.97
(1,1032)	1:26:A:LEU:HD11	1:47:A:THR:HB	7	0.97
(1,1032)	1:26:A:LEU:HD12	1:47:A:THR:HB	7	0.97
(1,1032)	1:26:A:LEU:HD13	1:47:A:THR:HB	7	0.97
(1,1032)	1:26:A:LEU:HD11	1:47:A:THR:HB	20	0.97
(1,1032)	1:26:A:LEU:HD12	1:47:A:THR:HB	20	0.97
(1,1032)	1:26:A:LEU:HD13	1:47:A:THR:HB	20	0.97
(1,938)	1:66:A:VAL:HA	1:77:A:LEU:HD21	7	0.97
(1,938)	1:66:A:VAL:HA	1:77:A:LEU:HD22	7	0.97
(1,938)	1:66:A:VAL:HA	1:77:A:LEU:HD23	7	0.97
(1,761)	1:5:A:LEU:HD21	1:14:A:ILE:HG13	14	0.97
(1,761)	1:5:A:LEU:HD22	1:14:A:ILE:HG13	14	0.97
(1,761)	1:5:A:LEU:HD23	1:14:A:ILE:HG13	14	0.97
(1,633)	1:56:A:ASN:HB2	1:97:A:VAL:HB	12	0.97
(1,348)	1:54:A:MET:HB3	1:57:A:PRO:HG3	13	0.97
(1,287)	1:7:A:PHE:HB2	1:8:A:GLU:HG3	14	0.97
(1,180)	1:22:A:VAL:HG11	1:25:A:LEU:HB3	7	0.97
(1,180)	1:22:A:VAL:HG12	1:25:A:LEU:HB3	7	0.97
(1,180)	1:22:A:VAL:HG13	1:25:A:LEU:HB3	7	0.97
(1,124)	1:112:A:LYS:HA	1:112:A:LYS:HE2	3	0.97
(1,2363)	1:8:A:GLU:H	1:115:A:GLU:HB3	14	0.96
(1,2358)	1:31:A:PRO:HB2	1:121:A:PHE:H	4	0.96
(1,2269)	1:30:A:ILE:H	1:30:A:ILE:HG12	14	0.96
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG11	15	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG12	15	0.96
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG13	15	0.96
(1,1935)	1:120:A:ARG:HA	1:121:A:PHE:HB3	17	0.96
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD11	20	0.96
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD12	20	0.96
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD13	20	0.96
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD11	7	0.96
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD12	7	0.96
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD13	7	0.96
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD11	7	0.96
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD12	7	0.96
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD13	7	0.96
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD11	7	0.96
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD12	7	0.96
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD13	7	0.96
(1,1812)	1:7:A:PHE:HB3	1:11:A:LYS:HA	14	0.96
(1,1752)	1:59:A:GLU:HA	1:60:A:VAL:HG21	6	0.96
(1,1752)	1:59:A:GLU:HA	1:60:A:VAL:HG22	6	0.96
(1,1752)	1:59:A:GLU:HA	1:60:A:VAL:HG23	6	0.96
(1,1752)	1:59:A:GLU:HA	1:60:A:VAL:HG21	14	0.96
(1,1752)	1:59:A:GLU:HA	1:60:A:VAL:HG22	14	0.96
(1,1752)	1:59:A:GLU:HA	1:60:A:VAL:HG23	14	0.96
(1,1752)	1:59:A:GLU:HA	1:60:A:VAL:HG21	17	0.96
(1,1752)	1:59:A:GLU:HA	1:60:A:VAL:HG22	17	0.96
(1,1752)	1:59:A:GLU:HA	1:60:A:VAL:HG23	17	0.96
(1,1693)	1:27:A:LYS:HG3	1:28:A:GLU:HA	9	0.96
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG21	20	0.96
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG22	20	0.96
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG23	20	0.96
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG21	20	0.96
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG22	20	0.96
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG23	20	0.96
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG21	20	0.96
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG22	20	0.96
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG23	20	0.96
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG11	16	0.96
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG12	16	0.96
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG13	16	0.96
(1,1366)	1:59:A:GLU:HB2	1:60:A:VAL:HG21	14	0.96
(1,1366)	1:59:A:GLU:HB2	1:60:A:VAL:HG22	14	0.96
(1,1366)	1:59:A:GLU:HB2	1:60:A:VAL:HG23	14	0.96
(1,1366)	1:59:A:GLU:HB2	1:60:A:VAL:HG21	18	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1366)	1:59:A:GLU:HB2	1:60:A:VAL:HG22	18	0.96
(1,1366)	1:59:A:GLU:HB2	1:60:A:VAL:HG23	18	0.96
(1,1351)	1:13:A:VAL:HA	1:14:A:ILE:HG13	2	0.96
(1,1340)	1:59:A:GLU:H	1:60:A:VAL:HG21	6	0.96
(1,1340)	1:59:A:GLU:H	1:60:A:VAL:HG22	6	0.96
(1,1340)	1:59:A:GLU:H	1:60:A:VAL:HG23	6	0.96
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG21	6	0.96
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG22	6	0.96
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG23	6	0.96
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG21	6	0.96
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG22	6	0.96
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG23	6	0.96
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG21	6	0.96
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG22	6	0.96
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG23	6	0.96
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG21	17	0.96
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG22	17	0.96
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG23	17	0.96
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG21	17	0.96
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG22	17	0.96
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG23	17	0.96
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG21	17	0.96
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG22	17	0.96
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG23	17	0.96
(1,1304)	1:22:A:VAL:HG21	1:98:A:ILE:HB	12	0.96
(1,1304)	1:22:A:VAL:HG22	1:98:A:ILE:HB	12	0.96
(1,1304)	1:22:A:VAL:HG23	1:98:A:ILE:HB	12	0.96
(1,1293)	1:13:A:VAL:HG11	1:103:A:GLU:HB3	3	0.96
(1,1293)	1:13:A:VAL:HG12	1:103:A:GLU:HB3	3	0.96
(1,1293)	1:13:A:VAL:HG13	1:103:A:GLU:HB3	3	0.96
(1,1272)	1:51:A:VAL:HG11	1:53:A:LYS:H	11	0.96
(1,1272)	1:51:A:VAL:HG12	1:53:A:LYS:H	11	0.96
(1,1272)	1:51:A:VAL:HG13	1:53:A:LYS:H	11	0.96
(1,1260)	1:60:A:VAL:HG11	1:89:A:ILE:H	1	0.96
(1,1260)	1:60:A:VAL:HG12	1:89:A:ILE:H	1	0.96
(1,1260)	1:60:A:VAL:HG13	1:89:A:ILE:H	1	0.96
(1,1084)	1:15:A:ASP:HB2	1:16:A:LEU:HD21	3	0.96
(1,1084)	1:15:A:ASP:HB2	1:16:A:LEU:HD22	3	0.96
(1,1084)	1:15:A:ASP:HB2	1:16:A:LEU:HD23	3	0.96
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG11	14	0.96
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG12	14	0.96
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG13	14	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG11	14	0.96
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG12	14	0.96
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG13	14	0.96
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG11	14	0.96
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG12	14	0.96
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG13	14	0.96
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD11	15	0.96
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD12	15	0.96
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD13	15	0.96
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD11	15	0.96
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD12	15	0.96
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD13	15	0.96
(1,882)	1:7:A:PHE:HE2	1:77:A:LEU:HD11	15	0.96
(1,882)	1:7:A:PHE:HE2	1:77:A:LEU:HD12	18	0.96
(1,681)	1:63:A:ILE:HG13	1:79:A:PHE:HA	13	0.96
(1,549)	1:62:A:GLU:HB3	1:65:A:ASP:HB3	2	0.96
(1,535)	1:23:A:VAL:H	1:24:A:LYS:HB3	9	0.96
(1,505)	1:23:A:VAL:HG21	1:27:A:LYS:HB2	14	0.96
(1,505)	1:23:A:VAL:HG22	1:27:A:LYS:HB2	14	0.96
(1,505)	1:23:A:VAL:HG23	1:27:A:LYS:HB2	14	0.96
(1,400)	1:21:A:GLU:HG2	1:25:A:LEU:HD11	2	0.96
(1,400)	1:21:A:GLU:HG2	1:25:A:LEU:HD12	2	0.96
(1,400)	1:21:A:GLU:HG2	1:25:A:LEU:HD13	2	0.96
(1,358)	1:54:A:MET:HB3	1:57:A:PRO:HB3	4	0.96
(1,351)	1:102:A:VAL:HG21	1:103:A:GLU:HG2	8	0.96
(1,351)	1:102:A:VAL:HG22	1:103:A:GLU:HG2	8	0.96
(1,351)	1:102:A:VAL:HG23	1:103:A:GLU:HG2	8	0.96
(1,348)	1:54:A:MET:HB3	1:57:A:PRO:HG3	14	0.96
(1,287)	1:7:A:PHE:HB2	1:8:A:GLU:HG3	3	0.96
(1,133)	1:109:A:LYS:HA	1:109:A:LYS:HE3	10	0.96
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG21	5	0.96
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG22	5	0.96
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG23	5	0.96
(1,2877)	1:69:A:TRP:HD1	1:70:A:PRO:HD3	2	0.95
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG11	18	0.95
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG12	18	0.95
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG13	18	0.95
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG11	15	0.95
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG12	15	0.95
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG13	15	0.95
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG11	15	0.95
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG12	15	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG13	15	0.95
(1,2760)	1:32:A:PHE:HD1	1:48:A:PRO:HG2	11	0.95
(1,2760)	1:32:A:PHE:HD2	1:48:A:PRO:HG2	11	0.95
(1,2760)	1:32:A:PHE:HD1	1:48:A:PRO:HG2	17	0.95
(1,2760)	1:32:A:PHE:HD2	1:48:A:PRO:HG2	17	0.95
(1,2722)	1:61:A:VAL:HG21	1:95:A:VAL:H	1	0.95
(1,2722)	1:61:A:VAL:HG22	1:95:A:VAL:H	1	0.95
(1,2722)	1:61:A:VAL:HG23	1:95:A:VAL:H	1	0.95
(1,2722)	1:61:A:VAL:HG21	1:95:A:VAL:H	3	0.95
(1,2722)	1:61:A:VAL:HG22	1:95:A:VAL:H	3	0.95
(1,2722)	1:61:A:VAL:HG23	1:95:A:VAL:H	3	0.95
(1,2719)	1:60:A:VAL:HG21	1:90:A:GLN:HE22	16	0.95
(1,2719)	1:60:A:VAL:HG22	1:90:A:GLN:HE22	16	0.95
(1,2719)	1:60:A:VAL:HG23	1:90:A:GLN:HE22	16	0.95
(1,2619)	1:26:A:LEU:HD11	1:49:A:VAL:H	7	0.95
(1,2619)	1:26:A:LEU:HD12	1:49:A:VAL:H	7	0.95
(1,2619)	1:26:A:LEU:HD13	1:49:A:VAL:H	7	0.95
(1,2581)	1:54:A:MET:HB3	1:56:A:ASN:H	1	0.95
(1,1935)	1:120:A:ARG:HA	1:121:A:PHE:HB3	1	0.95
(1,1935)	1:120:A:ARG:HA	1:121:A:PHE:HB3	4	0.95
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD11	14	0.95
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD12	14	0.95
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD13	14	0.95
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD11	14	0.95
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD12	14	0.95
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD13	14	0.95
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD11	14	0.95
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD12	14	0.95
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD13	14	0.95
(1,1812)	1:7:A:PHE:HB3	1:11:A:LYS:HA	7	0.95
(1,1812)	1:7:A:PHE:HB3	1:11:A:LYS:HA	17	0.95
(1,1760)	1:31:A:PRO:HB3	1:32:A:PHE:HA	1	0.95
(1,1752)	1:59:A:GLU:HA	1:60:A:VAL:HG21	1	0.95
(1,1752)	1:59:A:GLU:HA	1:60:A:VAL:HG22	1	0.95
(1,1752)	1:59:A:GLU:HA	1:60:A:VAL:HG23	1	0.95
(1,1752)	1:59:A:GLU:HA	1:60:A:VAL:HG21	3	0.95
(1,1752)	1:59:A:GLU:HA	1:60:A:VAL:HG22	3	0.95
(1,1752)	1:59:A:GLU:HA	1:60:A:VAL:HG23	3	0.95
(1,1752)	1:59:A:GLU:HA	1:60:A:VAL:HG21	7	0.95
(1,1752)	1:59:A:GLU:HA	1:60:A:VAL:HG22	7	0.95
(1,1752)	1:59:A:GLU:HA	1:60:A:VAL:HG23	7	0.95
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG21	11	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG22	11	0.95
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG23	11	0.95
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG21	11	0.95
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG22	11	0.95
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG23	11	0.95
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG21	11	0.95
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG22	11	0.95
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG23	11	0.95
(1,1366)	1:59:A:GLU:HB2	1:60:A:VAL:HG21	16	0.95
(1,1366)	1:59:A:GLU:HB2	1:60:A:VAL:HG22	16	0.95
(1,1366)	1:59:A:GLU:HB2	1:60:A:VAL:HG23	16	0.95
(1,1351)	1:13:A:VAL:HA	1:14:A:ILE:HG13	9	0.95
(1,1351)	1:13:A:VAL:HA	1:14:A:ILE:HG13	13	0.95
(1,1351)	1:13:A:VAL:HA	1:14:A:ILE:HG13	17	0.95
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG21	1	0.95
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG22	1	0.95
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG23	1	0.95
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG21	1	0.95
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG22	1	0.95
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG23	1	0.95
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG21	1	0.95
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG22	1	0.95
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG23	1	0.95
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG21	9	0.95
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG22	9	0.95
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG23	9	0.95
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG21	9	0.95
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG22	9	0.95
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG23	9	0.95
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG21	9	0.95
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG22	9	0.95
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG23	9	0.95
(1,1260)	1:60:A:VAL:HG11	1:89:A:ILE:H	13	0.95
(1,1260)	1:60:A:VAL:HG12	1:89:A:ILE:H	13	0.95
(1,1260)	1:60:A:VAL:HG13	1:89:A:ILE:H	13	0.95
(1,1084)	1:15:A:ASP:HB2	1:16:A:LEU:HD21	19	0.95
(1,1084)	1:15:A:ASP:HB2	1:16:A:LEU:HD22	19	0.95
(1,1084)	1:15:A:ASP:HB2	1:16:A:LEU:HD23	19	0.95
(1,1039)	1:26:A:LEU:HD11	1:47:A:THR:HA	2	0.95
(1,1039)	1:26:A:LEU:HD12	1:47:A:THR:HA	2	0.95
(1,1039)	1:26:A:LEU:HD13	1:47:A:THR:HA	2	0.95
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD21	11	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD22	11	0.95
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD23	11	0.95
(1,938)	1:66:A:VAL:HA	1:77:A:LEU:HD21	9	0.95
(1,938)	1:66:A:VAL:HA	1:77:A:LEU:HD22	9	0.95
(1,938)	1:66:A:VAL:HA	1:77:A:LEU:HD23	9	0.95
(1,869)	1:31:A:PRO:HB2	1:120:A:ARG:HG3	16	0.95
(1,792)	1:79:A:PHE:HB2	1:108:A:LEU:HD11	8	0.95
(1,792)	1:79:A:PHE:HB2	1:108:A:LEU:HD12	8	0.95
(1,792)	1:79:A:PHE:HB2	1:108:A:LEU:HD13	8	0.95
(1,663)	1:110:A:LYS:HA	1:110:A:LYS:HD3	9	0.95
(1,620)	1:59:A:GLU:HB3	1:60:A:VAL:HG21	17	0.95
(1,620)	1:59:A:GLU:HB3	1:60:A:VAL:HG22	17	0.95
(1,620)	1:59:A:GLU:HB3	1:60:A:VAL:HG23	17	0.95
(1,612)	1:1:A:MET:HG2	1:16:A:LEU:HB3	1	0.95
(1,556)	1:54:A:MET:HG2	1:96:A:ASN:HB2	13	0.95
(1,556)	1:54:A:MET:HG3	1:96:A:ASN:HB2	13	0.95
(1,535)	1:23:A:VAL:H	1:24:A:LYS:HB3	5	0.95
(1,521)	1:51:A:VAL:HG11	1:53:A:LYS:HB2	7	0.95
(1,521)	1:51:A:VAL:HG12	1:53:A:LYS:HB2	7	0.95
(1,521)	1:51:A:VAL:HG13	1:53:A:LYS:HB2	7	0.95
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG11	9	0.95
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG12	9	0.95
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG13	9	0.95
(1,287)	1:7:A:PHE:HB2	1:8:A:GLU:HG3	1	0.95
(1,239)	1:18:A:GLU:HG3	1:24:A:LYS:HG2	8	0.95
(1,180)	1:22:A:VAL:HG11	1:25:A:LEU:HB3	17	0.95
(1,180)	1:22:A:VAL:HG12	1:25:A:LEU:HB3	17	0.95
(1,180)	1:22:A:VAL:HG13	1:25:A:LEU:HB3	17	0.95
(1,124)	1:112:A:LYS:HA	1:112:A:LYS:HE2	1	0.95
(1,124)	1:112:A:LYS:HA	1:112:A:LYS:HE2	20	0.95
(1,2786)	1:42:A:GLU:HG2	1:44:A:TYR:HD1	19	0.94
(1,2786)	1:42:A:GLU:HG2	1:44:A:TYR:HD2	19	0.94
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG21	20	0.94
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG22	20	0.94
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG23	20	0.94
(1,2080)	1:56:A:ASN:HB2	1:97:A:VAL:H	7	0.94
(1,1935)	1:120:A:ARG:HA	1:121:A:PHE:HB3	10	0.94
(1,1935)	1:120:A:ARG:HA	1:121:A:PHE:HB3	13	0.94
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD11	6	0.94
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD12	6	0.94
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD13	6	0.94
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD11	16	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD12	16	0.94
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD13	16	0.94
(1,1812)	1:7:A:PHE:HB3	1:11:A:LYS:HA	4	0.94
(1,1761)	1:32:A:PHE:HA	1:33:A:GLU:HB2	4	0.94
(1,1752)	1:59:A:GLU:HA	1:60:A:VAL:HG21	15	0.94
(1,1752)	1:59:A:GLU:HA	1:60:A:VAL:HG22	15	0.94
(1,1752)	1:59:A:GLU:HA	1:60:A:VAL:HG23	15	0.94
(1,1636)	1:85:A:SER:HA	1:90:A:GLN:HG2	11	0.94
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG11	20	0.94
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG12	20	0.94
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG13	20	0.94
(1,1351)	1:13:A:VAL:HA	1:14:A:ILE:HG13	1	0.94
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG21	12	0.94
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG22	12	0.94
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG23	12	0.94
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG21	12	0.94
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG22	12	0.94
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG23	12	0.94
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG21	12	0.94
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG22	12	0.94
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG23	12	0.94
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG21	5	0.94
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG22	5	0.94
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG23	5	0.94
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG21	5	0.94
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG22	5	0.94
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG23	5	0.94
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG21	5	0.94
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG22	5	0.94
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG23	5	0.94
(1,1235)	1:107:A:ASP:HA	1:108:A:LEU:HD21	5	0.94
(1,1235)	1:107:A:ASP:HA	1:108:A:LEU:HD22	5	0.94
(1,1235)	1:107:A:ASP:HA	1:108:A:LEU:HD23	5	0.94
(1,1139)	1:49:A:VAL:HG21	1:50:A:ASN:HA	7	0.94
(1,1139)	1:49:A:VAL:HG22	1:50:A:ASN:HA	7	0.94
(1,1139)	1:49:A:VAL:HG23	1:50:A:ASN:HA	7	0.94
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG11	10	0.94
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG12	10	0.94
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG13	10	0.94
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG11	10	0.94
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG12	10	0.94
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG13	10	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG11	10	0.94
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG12	10	0.94
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG13	10	0.94
(1,1036)	1:26:A:LEU:HD11	1:48:A:PRO:HG3	8	0.94
(1,1036)	1:26:A:LEU:HD12	1:48:A:PRO:HG3	8	0.94
(1,1036)	1:26:A:LEU:HD13	1:48:A:PRO:HG3	8	0.94
(1,952)	1:18:A:GLU:HB2	1:24:A:LYS:HG2	14	0.94
(1,932)	1:105:A:LEU:HD11	1:106:A:GLU:HA	19	0.94
(1,932)	1:105:A:LEU:HD12	1:106:A:GLU:HA	19	0.94
(1,932)	1:105:A:LEU:HD13	1:106:A:GLU:HA	19	0.94
(1,882)	1:7:A:PHE:HE1	1:77:A:LEU:HD13	3	0.94
(1,840)	1:4:A:GLU:H	1:5:A:LEU:HD11	15	0.94
(1,840)	1:4:A:GLU:H	1:5:A:LEU:HD12	15	0.94
(1,840)	1:4:A:GLU:H	1:5:A:LEU:HD13	15	0.94
(1,714)	1:21:A:GLU:HB2	1:25:A:LEU:HD11	5	0.94
(1,714)	1:21:A:GLU:HB2	1:25:A:LEU:HD12	5	0.94
(1,714)	1:21:A:GLU:HB2	1:25:A:LEU:HD13	5	0.94
(1,714)	1:21:A:GLU:HB3	1:25:A:LEU:HD11	5	0.94
(1,714)	1:21:A:GLU:HB3	1:25:A:LEU:HD12	5	0.94
(1,714)	1:21:A:GLU:HB3	1:25:A:LEU:HD13	5	0.94
(1,663)	1:110:A:LYS:HA	1:110:A:LYS:HD3	14	0.94
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG21	2	0.94
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG22	2	0.94
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG23	2	0.94
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG21	2	0.94
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG22	2	0.94
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG23	2	0.94
(1,633)	1:56:A:ASN:HB2	1:97:A:VAL:HB	13	0.94
(1,612)	1:1:A:MET:HG2	1:16:A:LEU:HB3	10	0.94
(1,400)	1:21:A:GLU:HG2	1:25:A:LEU:HD11	11	0.94
(1,400)	1:21:A:GLU:HG2	1:25:A:LEU:HD12	11	0.94
(1,400)	1:21:A:GLU:HG2	1:25:A:LEU:HD13	11	0.94
(1,65)	1:15:A:ASP:HB2	1:100:A:LYS:HB2	13	0.94
(1,2910)	1:39:A:TRP:HZ2	1:84:A:MET:HB3	16	0.93
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG11	6	0.93
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG12	6	0.93
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG13	6	0.93
(1,2781)	1:65:A:ASP:HB3	1:78:A:PHE:HD1	9	0.93
(1,2781)	1:65:A:ASP:HB3	1:78:A:PHE:HD2	9	0.93
(1,2445)	1:32:A:PHE:HB3	1:33:A:GLU:H	15	0.93
(1,2358)	1:31:A:PRO:HB2	1:121:A:PHE:H	1	0.93
(1,2358)	1:31:A:PRO:HB2	1:121:A:PHE:H	5	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2358)	1:31:A:PRO:HB2	1:121:A:PHE:H	17	0.93
(1,2269)	1:30:A:ILE:H	1:30:A:ILE:HG12	1	0.93
(1,2115)	1:2:A:ARG:HG3	1:3:A:VAL:H	13	0.93
(1,2115)	1:2:A:ARG:HG3	1:3:A:VAL:H	14	0.93
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG21	8	0.93
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG22	8	0.93
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG23	8	0.93
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG11	10	0.93
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG12	10	0.93
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG13	10	0.93
(1,1935)	1:120:A:ARG:HA	1:121:A:PHE:HB3	14	0.93
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD11	13	0.93
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD12	13	0.93
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD13	13	0.93
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD11	13	0.93
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD12	13	0.93
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD13	13	0.93
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD11	13	0.93
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD12	13	0.93
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD13	13	0.93
(1,1760)	1:31:A:PRO:HB3	1:32:A:PHE:HA	7	0.93
(1,1587)	1:101:A:ILE:HG21	1:105:A:LEU:HB3	10	0.93
(1,1587)	1:101:A:ILE:HG22	1:105:A:LEU:HB3	10	0.93
(1,1587)	1:101:A:ILE:HG23	1:105:A:LEU:HB3	10	0.93
(1,1351)	1:13:A:VAL:HA	1:14:A:ILE:HG13	4	0.93
(1,1240)	1:77:A:LEU:HD11	1:108:A:LEU:HD21	6	0.93
(1,1240)	1:77:A:LEU:HD11	1:108:A:LEU:HD22	6	0.93
(1,1240)	1:77:A:LEU:HD11	1:108:A:LEU:HD23	6	0.93
(1,1240)	1:77:A:LEU:HD12	1:108:A:LEU:HD21	6	0.93
(1,1240)	1:77:A:LEU:HD12	1:108:A:LEU:HD22	6	0.93
(1,1240)	1:77:A:LEU:HD12	1:108:A:LEU:HD23	6	0.93
(1,1240)	1:77:A:LEU:HD13	1:108:A:LEU:HD21	6	0.93
(1,1240)	1:77:A:LEU:HD13	1:108:A:LEU:HD22	6	0.93
(1,1240)	1:77:A:LEU:HD13	1:108:A:LEU:HD23	6	0.93
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG21	17	0.93
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG22	17	0.93
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG23	17	0.93
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG21	17	0.93
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG22	17	0.93
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG23	17	0.93
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG21	17	0.93
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG22	17	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG23	17	0.93
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG21	20	0.93
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG22	20	0.93
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG23	20	0.93
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG21	20	0.93
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG22	20	0.93
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG23	20	0.93
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG21	20	0.93
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG22	20	0.93
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG23	20	0.93
(1,1139)	1:49:A:VAL:HG21	1:50:A:ASN:HA	3	0.93
(1,1139)	1:49:A:VAL:HG22	1:50:A:ASN:HA	3	0.93
(1,1139)	1:49:A:VAL:HG23	1:50:A:ASN:HA	3	0.93
(1,1084)	1:15:A:ASP:HB2	1:16:A:LEU:HD21	6	0.93
(1,1084)	1:15:A:ASP:HB2	1:16:A:LEU:HD22	6	0.93
(1,1084)	1:15:A:ASP:HB2	1:16:A:LEU:HD23	6	0.93
(1,1040)	1:26:A:LEU:HD11	1:48:A:PRO:HD3	8	0.93
(1,1040)	1:26:A:LEU:HD12	1:48:A:PRO:HD3	8	0.93
(1,1040)	1:26:A:LEU:HD13	1:48:A:PRO:HD3	8	0.93
(1,1032)	1:26:A:LEU:HD11	1:47:A:THR:HB	18	0.93
(1,1032)	1:26:A:LEU:HD12	1:47:A:THR:HB	18	0.93
(1,1032)	1:26:A:LEU:HD13	1:47:A:THR:HB	18	0.93
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD21	4	0.93
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD22	4	0.93
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD23	4	0.93
(1,952)	1:18:A:GLU:HB2	1:24:A:LYS:HG2	12	0.93
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG11	14	0.93
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG12	14	0.93
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG13	14	0.93
(1,826)	1:7:A:PHE:HD1	1:111:A:ILE:HG12	7	0.93
(1,730)	1:7:A:PHE:HE2	1:77:A:LEU:HG	13	0.93
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG21	14	0.93
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG22	14	0.93
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG23	14	0.93
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG21	14	0.93
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG22	14	0.93
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG23	14	0.93
(1,632)	1:58:A:ARG:HG2	1:97:A:VAL:HB	17	0.93
(1,584)	1:48:A:PRO:HB2	1:49:A:VAL:HG11	6	0.93
(1,584)	1:48:A:PRO:HB2	1:49:A:VAL:HG12	6	0.93
(1,584)	1:48:A:PRO:HB2	1:49:A:VAL:HG13	6	0.93
(1,495)	1:29:A:LYS:HB3	1:49:A:VAL:HG11	18	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,495)	1:29:A:LYS:HB3	1:49:A:VAL:HG12	18	0.93
(1,495)	1:29:A:LYS:HB3	1:49:A:VAL:HG13	18	0.93
(1,348)	1:54:A:MET:HB3	1:57:A:PRO:HG3	2	0.93
(1,342)	1:41:A:GLU:HG2	1:79:A:PHE:HZ	3	0.93
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG21	4	0.93
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG22	4	0.93
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG23	4	0.93
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG11	9	0.92
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG12	9	0.92
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG13	9	0.92
(1,2829)	1:27:A:LYS:HG3	1:121:A:PHE:HZ	11	0.92
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG11	17	0.92
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG12	17	0.92
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG13	17	0.92
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG11	17	0.92
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG12	17	0.92
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG13	17	0.92
(1,2760)	1:32:A:PHE:HD1	1:48:A:PRO:HG2	10	0.92
(1,2760)	1:32:A:PHE:HD2	1:48:A:PRO:HG2	10	0.92
(1,2269)	1:30:A:ILE:H	1:30:A:ILE:HG12	10	0.92
(1,2269)	1:30:A:ILE:H	1:30:A:ILE:HG12	13	0.92
(1,1962)	1:29:A:LYS:HA	1:30:A:ILE:HG12	19	0.92
(1,1935)	1:120:A:ARG:HA	1:121:A:PHE:HB3	9	0.92
(1,1935)	1:120:A:ARG:HA	1:121:A:PHE:HB3	12	0.92
(1,1876)	1:60:A:VAL:HG11	1:88:A:LYS:HA	4	0.92
(1,1876)	1:60:A:VAL:HG12	1:88:A:LYS:HA	4	0.92
(1,1876)	1:60:A:VAL:HG13	1:88:A:LYS:HA	4	0.92
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD11	20	0.92
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD12	20	0.92
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD13	20	0.92
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD11	20	0.92
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD12	20	0.92
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD13	20	0.92
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD11	20	0.92
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD12	20	0.92
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD13	20	0.92
(1,1812)	1:7:A:PHE:HB3	1:11:A:LYS:HA	3	0.92
(1,1760)	1:31:A:PRO:HB3	1:32:A:PHE:HA	3	0.92
(1,1647)	1:34:A:SER:H	1:117:A:VAL:HG11	2	0.92
(1,1647)	1:34:A:SER:H	1:117:A:VAL:HG12	2	0.92
(1,1647)	1:34:A:SER:H	1:117:A:VAL:HG13	2	0.92
(1,1351)	1:13:A:VAL:HA	1:14:A:ILE:HG13	15	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1139)	1:49:A:VAL:HG21	1:50:A:ASN:HA	6	0.92
(1,1139)	1:49:A:VAL:HG22	1:50:A:ASN:HA	6	0.92
(1,1139)	1:49:A:VAL:HG23	1:50:A:ASN:HA	6	0.92
(1,1055)	1:26:A:LEU:HD11	1:29:A:LYS:H	4	0.92
(1,1055)	1:26:A:LEU:HD12	1:29:A:LYS:H	4	0.92
(1,1055)	1:26:A:LEU:HD13	1:29:A:LYS:H	4	0.92
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD21	8	0.92
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD22	8	0.92
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD23	8	0.92
(1,714)	1:21:A:GLU:HB2	1:25:A:LEU:HD11	13	0.92
(1,714)	1:21:A:GLU:HB2	1:25:A:LEU:HD12	13	0.92
(1,714)	1:21:A:GLU:HB2	1:25:A:LEU:HD13	13	0.92
(1,714)	1:21:A:GLU:HB3	1:25:A:LEU:HD11	13	0.92
(1,714)	1:21:A:GLU:HB3	1:25:A:LEU:HD12	13	0.92
(1,714)	1:21:A:GLU:HB3	1:25:A:LEU:HD13	13	0.92
(1,681)	1:63:A:ILE:HG13	1:79:A:PHE:HA	18	0.92
(1,681)	1:63:A:ILE:HG13	1:79:A:PHE:HA	19	0.92
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG21	6	0.92
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG22	6	0.92
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG23	6	0.92
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG21	6	0.92
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG22	6	0.92
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG23	6	0.92
(1,550)	1:42:A:GLU:HG3	1:78:A:PHE:HE1	5	0.92
(1,550)	1:42:A:GLU:HG3	1:78:A:PHE:HE2	5	0.92
(1,394)	1:17:A:ASN:HD21	1:19:A:GLU:HG3	9	0.92
(1,360)	1:105:A:LEU:HD11	1:106:A:GLU:HG2	4	0.92
(1,360)	1:105:A:LEU:HD11	1:106:A:GLU:HG3	4	0.92
(1,360)	1:105:A:LEU:HD12	1:106:A:GLU:HG2	4	0.92
(1,360)	1:105:A:LEU:HD12	1:106:A:GLU:HG3	4	0.92
(1,360)	1:105:A:LEU:HD13	1:106:A:GLU:HG2	4	0.92
(1,360)	1:105:A:LEU:HD13	1:106:A:GLU:HG3	4	0.92
(1,360)	1:105:A:LEU:HD11	1:106:A:GLU:HG2	9	0.92
(1,360)	1:105:A:LEU:HD11	1:106:A:GLU:HG3	9	0.92
(1,360)	1:105:A:LEU:HD12	1:106:A:GLU:HG2	9	0.92
(1,360)	1:105:A:LEU:HD12	1:106:A:GLU:HG3	9	0.92
(1,360)	1:105:A:LEU:HD13	1:106:A:GLU:HG2	9	0.92
(1,360)	1:105:A:LEU:HD13	1:106:A:GLU:HG3	9	0.92
(1,358)	1:54:A:MET:HB3	1:57:A:PRO:HB3	10	0.92
(1,358)	1:54:A:MET:HB3	1:57:A:PRO:HB3	15	0.92
(1,348)	1:54:A:MET:HB3	1:57:A:PRO:HG3	9	0.92
(1,180)	1:22:A:VAL:HG11	1:25:A:LEU:HB3	14	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,180)	1:22:A:VAL:HG12	1:25:A:LEU:HB3	14	0.92
(1,180)	1:22:A:VAL:HG13	1:25:A:LEU:HB3	14	0.92
(1,133)	1:109:A:LYS:HA	1:109:A:LYS:HE3	16	0.92
(1,133)	1:109:A:LYS:HA	1:109:A:LYS:HE3	19	0.92
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA2	13	0.92
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA3	13	0.92
(1,2781)	1:65:A:ASP:HB3	1:78:A:PHE:HD1	16	0.91
(1,2781)	1:65:A:ASP:HB3	1:78:A:PHE:HD2	16	0.91
(1,2760)	1:32:A:PHE:HD1	1:48:A:PRO:HG2	6	0.91
(1,2760)	1:32:A:PHE:HD2	1:48:A:PRO:HG2	6	0.91
(1,2760)	1:32:A:PHE:HD1	1:48:A:PRO:HG2	9	0.91
(1,2760)	1:32:A:PHE:HD2	1:48:A:PRO:HG2	9	0.91
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG11	20	0.91
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG12	20	0.91
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG13	20	0.91
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG11	20	0.91
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG12	20	0.91
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG13	20	0.91
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG11	5	0.91
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG12	5	0.91
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG13	5	0.91
(1,2320)	1:96:A:ASN:H	1:96:A:ASN:HD22	19	0.91
(1,2297)	1:62:A:GLU:HB3	1:65:A:ASP:H	7	0.91
(1,2269)	1:30:A:ILE:H	1:30:A:ILE:HG12	20	0.91
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD11	13	0.91
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD12	13	0.91
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD13	13	0.91
(1,1711)	1:61:A:VAL:HG11	1:78:A:PHE:HB3	16	0.91
(1,1711)	1:61:A:VAL:HG12	1:78:A:PHE:HB3	16	0.91
(1,1711)	1:61:A:VAL:HG13	1:78:A:PHE:HB3	16	0.91
(1,1407)	1:22:A:VAL:HG11	1:26:A:LEU:HG	5	0.91
(1,1407)	1:22:A:VAL:HG12	1:26:A:LEU:HG	5	0.91
(1,1407)	1:22:A:VAL:HG13	1:26:A:LEU:HG	5	0.91
(1,1366)	1:59:A:GLU:HB2	1:60:A:VAL:HG21	1	0.91
(1,1366)	1:59:A:GLU:HB2	1:60:A:VAL:HG22	1	0.91
(1,1366)	1:59:A:GLU:HB2	1:60:A:VAL:HG23	1	0.91
(1,1351)	1:13:A:VAL:HA	1:14:A:ILE:HG13	10	0.91
(1,1040)	1:26:A:LEU:HD11	1:48:A:PRO:HD3	3	0.91
(1,1040)	1:26:A:LEU:HD12	1:48:A:PRO:HD3	3	0.91
(1,1040)	1:26:A:LEU:HD13	1:48:A:PRO:HD3	3	0.91
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD21	1	0.91
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD22	1	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD23	1	0.91
(1,919)	1:21:A:GLU:HA	1:25:A:LEU:HD11	12	0.91
(1,919)	1:21:A:GLU:HA	1:25:A:LEU:HD12	12	0.91
(1,919)	1:21:A:GLU:HA	1:25:A:LEU:HD13	12	0.91
(1,919)	1:21:A:GLU:HA	1:25:A:LEU:HD11	20	0.91
(1,919)	1:21:A:GLU:HA	1:25:A:LEU:HD12	20	0.91
(1,919)	1:21:A:GLU:HA	1:25:A:LEU:HD13	20	0.91
(1,882)	1:7:A:PHE:HE2	1:77:A:LEU:HD12	13	0.91
(1,740)	1:2:A:ARG:HG3	1:16:A:LEU:H	17	0.91
(1,714)	1:21:A:GLU:HB2	1:25:A:LEU:HD11	9	0.91
(1,714)	1:21:A:GLU:HB2	1:25:A:LEU:HD12	9	0.91
(1,714)	1:21:A:GLU:HB2	1:25:A:LEU:HD13	9	0.91
(1,714)	1:21:A:GLU:HB3	1:25:A:LEU:HD11	9	0.91
(1,714)	1:21:A:GLU:HB3	1:25:A:LEU:HD12	9	0.91
(1,714)	1:21:A:GLU:HB3	1:25:A:LEU:HD13	9	0.91
(1,663)	1:110:A:LYS:HA	1:110:A:LYS:HD3	12	0.91
(1,620)	1:59:A:GLU:HB3	1:60:A:VAL:HG21	6	0.91
(1,620)	1:59:A:GLU:HB3	1:60:A:VAL:HG22	6	0.91
(1,620)	1:59:A:GLU:HB3	1:60:A:VAL:HG23	6	0.91
(1,535)	1:23:A:VAL:H	1:24:A:LYS:HB3	1	0.91
(1,535)	1:23:A:VAL:H	1:24:A:LYS:HB3	2	0.91
(1,535)	1:23:A:VAL:H	1:24:A:LYS:HB3	14	0.91
(1,195)	1:7:A:PHE:HE1	1:107:A:ASP:HB3	17	0.91
(1,2910)	1:39:A:TRP:HZ2	1:84:A:MET:HB3	9	0.9
(1,2887)	1:69:A:TRP:HZ3	1:72:A:GLY:HA2	5	0.9
(1,2769)	1:79:A:PHE:HD1	1:109:A:LYS:HE3	3	0.9
(1,2769)	1:79:A:PHE:HD2	1:109:A:LYS:HE3	3	0.9
(1,2619)	1:26:A:LEU:HD11	1:49:A:VAL:H	14	0.9
(1,2619)	1:26:A:LEU:HD12	1:49:A:VAL:H	14	0.9
(1,2619)	1:26:A:LEU:HD13	1:49:A:VAL:H	14	0.9
(1,2581)	1:54:A:MET:HB3	1:56:A:ASN:H	14	0.9
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG11	15	0.9
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG12	15	0.9
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG13	15	0.9
(1,2115)	1:2:A:ARG:HG3	1:3:A:VAL:H	2	0.9
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG11	2	0.9
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG12	2	0.9
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG13	2	0.9
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG11	7	0.9
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG12	7	0.9
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG13	7	0.9
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG11	12	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG12	12	0.9
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG13	12	0.9
(1,1711)	1:61:A:VAL:HG11	1:78:A:PHE:HB3	10	0.9
(1,1711)	1:61:A:VAL:HG12	1:78:A:PHE:HB3	10	0.9
(1,1711)	1:61:A:VAL:HG13	1:78:A:PHE:HB3	10	0.9
(1,1706)	1:61:A:VAL:HG11	1:89:A:ILE:HA	3	0.9
(1,1706)	1:61:A:VAL:HG12	1:89:A:ILE:HA	3	0.9
(1,1706)	1:61:A:VAL:HG13	1:89:A:ILE:HA	3	0.9
(1,1380)	1:58:A:ARG:HG2	1:97:A:VAL:HG11	3	0.9
(1,1380)	1:58:A:ARG:HG2	1:97:A:VAL:HG12	3	0.9
(1,1380)	1:58:A:ARG:HG2	1:97:A:VAL:HG13	3	0.9
(1,1351)	1:13:A:VAL:HA	1:14:A:ILE:HG13	7	0.9
(1,1298)	1:22:A:VAL:HG21	1:96:A:ASN:HD21	16	0.9
(1,1298)	1:22:A:VAL:HG22	1:96:A:ASN:HD21	16	0.9
(1,1298)	1:22:A:VAL:HG23	1:96:A:ASN:HD21	16	0.9
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG21	11	0.9
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG22	11	0.9
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG23	11	0.9
(1,1243)	1:12:A:CYS:HA	1:108:A:LEU:HD21	5	0.9
(1,1243)	1:12:A:CYS:HA	1:108:A:LEU:HD22	5	0.9
(1,1243)	1:12:A:CYS:HA	1:108:A:LEU:HD23	5	0.9
(1,1243)	1:12:A:CYS:HA	1:108:A:LEU:HD21	12	0.9
(1,1243)	1:12:A:CYS:HA	1:108:A:LEU:HD22	12	0.9
(1,1243)	1:12:A:CYS:HA	1:108:A:LEU:HD23	12	0.9
(1,919)	1:21:A:GLU:HA	1:25:A:LEU:HD11	5	0.9
(1,919)	1:21:A:GLU:HA	1:25:A:LEU:HD12	5	0.9
(1,919)	1:21:A:GLU:HA	1:25:A:LEU:HD13	5	0.9
(1,919)	1:21:A:GLU:HA	1:25:A:LEU:HD11	9	0.9
(1,919)	1:21:A:GLU:HA	1:25:A:LEU:HD12	9	0.9
(1,919)	1:21:A:GLU:HA	1:25:A:LEU:HD13	9	0.9
(1,919)	1:21:A:GLU:HA	1:25:A:LEU:HD11	11	0.9
(1,919)	1:21:A:GLU:HA	1:25:A:LEU:HD12	11	0.9
(1,919)	1:21:A:GLU:HA	1:25:A:LEU:HD13	11	0.9
(1,919)	1:21:A:GLU:HA	1:25:A:LEU:HD11	17	0.9
(1,919)	1:21:A:GLU:HA	1:25:A:LEU:HD12	17	0.9
(1,919)	1:21:A:GLU:HA	1:25:A:LEU:HD13	17	0.9
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG11	6	0.9
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG12	6	0.9
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG13	6	0.9
(1,882)	1:7:A:PHE:HE2	1:77:A:LEU:HD13	17	0.9
(1,789)	1:79:A:PHE:HB3	1:108:A:LEU:HD11	1	0.9
(1,789)	1:79:A:PHE:HB3	1:108:A:LEU:HD12	1	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,789)	1:79:A:PHE:HB3	1:108:A:LEU:HD13	1	0.9
(1,663)	1:110:A:LYS:HA	1:110:A:LYS:HD3	19	0.9
(1,663)	1:110:A:LYS:HA	1:110:A:LYS:HD3	20	0.9
(1,658)	1:72:A:GLY:HA3	1:73:A:LYS:HD2	15	0.9
(1,658)	1:72:A:GLY:HA3	1:73:A:LYS:HD3	15	0.9
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG21	3	0.9
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG22	3	0.9
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG23	3	0.9
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG21	3	0.9
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG22	3	0.9
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG23	3	0.9
(1,620)	1:59:A:GLU:HB3	1:60:A:VAL:HG21	4	0.9
(1,620)	1:59:A:GLU:HB3	1:60:A:VAL:HG22	4	0.9
(1,620)	1:59:A:GLU:HB3	1:60:A:VAL:HG23	4	0.9
(1,620)	1:59:A:GLU:HB3	1:60:A:VAL:HG21	14	0.9
(1,620)	1:59:A:GLU:HB3	1:60:A:VAL:HG22	14	0.9
(1,620)	1:59:A:GLU:HB3	1:60:A:VAL:HG23	14	0.9
(1,609)	1:58:A:ARG:HA	1:59:A:GLU:HB3	16	0.9
(1,220)	1:95:A:VAL:HA	1:96:A:ASN:HB2	13	0.9
(1,124)	1:112:A:LYS:HA	1:112:A:LYS:HE2	4	0.9
(1,124)	1:112:A:LYS:HA	1:112:A:LYS:HE2	16	0.9
(1,53)	1:72:A:GLY:HA2	1:74:A:ALA:H	18	0.9
(1,2894)	1:39:A:TRP:HZ3	1:84:A:MET:HB3	5	0.89
(1,2760)	1:32:A:PHE:HD1	1:48:A:PRO:HG2	4	0.89
(1,2760)	1:32:A:PHE:HD2	1:48:A:PRO:HG2	4	0.89
(1,2722)	1:61:A:VAL:HG21	1:95:A:VAL:H	14	0.89
(1,2722)	1:61:A:VAL:HG22	1:95:A:VAL:H	14	0.89
(1,2722)	1:61:A:VAL:HG23	1:95:A:VAL:H	14	0.89
(1,2115)	1:2:A:ARG:HG3	1:3:A:VAL:H	3	0.89
(1,2080)	1:56:A:ASN:HB2	1:97:A:VAL:H	1	0.89
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG21	3	0.89
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG22	3	0.89
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG23	3	0.89
(1,1725)	1:11:A:LYS:HG3	1:12:A:CYS:HA	16	0.89
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG21	2	0.89
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG22	2	0.89
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG23	2	0.89
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG21	2	0.89
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG22	2	0.89
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG23	2	0.89
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG21	2	0.89
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG22	2	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG23	2	0.89
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG21	17	0.89
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG22	17	0.89
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG23	17	0.89
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG21	17	0.89
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG22	17	0.89
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG23	17	0.89
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG21	17	0.89
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG22	17	0.89
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG23	17	0.89
(1,1443)	1:23:A:VAL:HG21	1:24:A:LYS:HA	18	0.89
(1,1443)	1:23:A:VAL:HG22	1:24:A:LYS:HA	18	0.89
(1,1443)	1:23:A:VAL:HG23	1:24:A:LYS:HA	18	0.89
(1,1351)	1:13:A:VAL:HA	1:14:A:ILE:HG13	12	0.89
(1,1139)	1:49:A:VAL:HG21	1:50:A:ASN:HA	2	0.89
(1,1139)	1:49:A:VAL:HG22	1:50:A:ASN:HA	2	0.89
(1,1139)	1:49:A:VAL:HG23	1:50:A:ASN:HA	2	0.89
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD21	4	0.89
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD22	4	0.89
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD23	4	0.89
(1,938)	1:66:A:VAL:HA	1:77:A:LEU:HD21	6	0.89
(1,938)	1:66:A:VAL:HA	1:77:A:LEU:HD22	6	0.89
(1,938)	1:66:A:VAL:HA	1:77:A:LEU:HD23	6	0.89
(1,932)	1:105:A:LEU:HD11	1:106:A:GLU:HA	2	0.89
(1,932)	1:105:A:LEU:HD12	1:106:A:GLU:HA	2	0.89
(1,932)	1:105:A:LEU:HD13	1:106:A:GLU:HA	2	0.89
(1,919)	1:21:A:GLU:HA	1:25:A:LEU:HD11	2	0.89
(1,919)	1:21:A:GLU:HA	1:25:A:LEU:HD12	2	0.89
(1,919)	1:21:A:GLU:HA	1:25:A:LEU:HD13	2	0.89
(1,919)	1:21:A:GLU:HA	1:25:A:LEU:HD11	8	0.89
(1,919)	1:21:A:GLU:HA	1:25:A:LEU:HD12	8	0.89
(1,919)	1:21:A:GLU:HA	1:25:A:LEU:HD13	8	0.89
(1,919)	1:21:A:GLU:HA	1:25:A:LEU:HD11	13	0.89
(1,919)	1:21:A:GLU:HA	1:25:A:LEU:HD12	13	0.89
(1,919)	1:21:A:GLU:HA	1:25:A:LEU:HD13	13	0.89
(1,826)	1:7:A:PHE:HD2	1:111:A:ILE:HG12	6	0.89
(1,716)	1:39:A:TRP:HB3	1:42:A:GLU:HB2	13	0.89
(1,663)	1:110:A:LYS:HA	1:110:A:LYS:HD3	13	0.89
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG21	8	0.89
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG22	8	0.89
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG23	8	0.89
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG21	8	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG22	8	0.89
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG23	8	0.89
(1,620)	1:59:A:GLU:HB3	1:60:A:VAL:HG21	3	0.89
(1,620)	1:59:A:GLU:HB3	1:60:A:VAL:HG22	3	0.89
(1,620)	1:59:A:GLU:HB3	1:60:A:VAL:HG23	3	0.89
(1,535)	1:23:A:VAL:H	1:24:A:LYS:HB3	8	0.89
(1,369)	1:17:A:ASN:HA	1:19:A:GLU:HG3	20	0.89
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG2	19	0.89
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG3	19	0.89
(1,285)	1:8:A:GLU:HG3	1:115:A:GLU:HG3	7	0.89
(1,180)	1:22:A:VAL:HG11	1:25:A:LEU:HB3	5	0.89
(1,180)	1:22:A:VAL:HG12	1:25:A:LEU:HB3	5	0.89
(1,180)	1:22:A:VAL:HG13	1:25:A:LEU:HB3	5	0.89
(1,175)	1:65:A:ASP:HB2	1:97:A:VAL:HA	9	0.89
(1,2902)	1:20:A:TYR:HE1	1:56:A:ASN:HB3	4	0.88
(1,2902)	1:20:A:TYR:HE2	1:56:A:ASN:HB3	4	0.88
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG11	16	0.88
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG12	16	0.88
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG13	16	0.88
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG11	16	0.88
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG12	16	0.88
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG13	16	0.88
(1,2773)	1:79:A:PHE:HD1	1:109:A:LYS:HD3	14	0.88
(1,2773)	1:79:A:PHE:HD2	1:109:A:LYS:HD3	14	0.88
(1,2760)	1:32:A:PHE:HD1	1:48:A:PRO:HG2	18	0.88
(1,2760)	1:32:A:PHE:HD2	1:48:A:PRO:HG2	18	0.88
(1,2537)	1:19:A:GLU:H	1:19:A:GLU:HB3	4	0.88
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG11	18	0.88
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG12	18	0.88
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG13	18	0.88
(1,2320)	1:96:A:ASN:H	1:96:A:ASN:HD22	9	0.88
(1,2115)	1:2:A:ARG:HG3	1:3:A:VAL:H	12	0.88
(1,2080)	1:56:A:ASN:HB2	1:97:A:VAL:H	18	0.88
(1,1931)	1:81:A:LYS:HG2	1:89:A:ILE:HD11	8	0.88
(1,1931)	1:81:A:LYS:HG2	1:89:A:ILE:HD12	8	0.88
(1,1931)	1:81:A:LYS:HG2	1:89:A:ILE:HD13	8	0.88
(1,1812)	1:7:A:PHE:HB3	1:11:A:LYS:HA	20	0.88
(1,1760)	1:31:A:PRO:HB3	1:32:A:PHE:HA	15	0.88
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG21	7	0.88
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG22	7	0.88
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG23	7	0.88
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG21	5	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG22	5	0.88
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG23	5	0.88
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG21	5	0.88
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG22	5	0.88
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG23	5	0.88
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG21	5	0.88
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG22	5	0.88
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG23	5	0.88
(1,1407)	1:22:A:VAL:HG11	1:26:A:LEU:HG	16	0.88
(1,1407)	1:22:A:VAL:HG12	1:26:A:LEU:HG	16	0.88
(1,1407)	1:22:A:VAL:HG13	1:26:A:LEU:HG	16	0.88
(1,1340)	1:59:A:GLU:H	1:60:A:VAL:HG21	16	0.88
(1,1340)	1:59:A:GLU:H	1:60:A:VAL:HG22	16	0.88
(1,1340)	1:59:A:GLU:H	1:60:A:VAL:HG23	16	0.88
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG21	14	0.88
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG22	14	0.88
(1,1301)	1:20:A:TYR:HB3	1:22:A:VAL:HG23	14	0.88
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG21	20	0.88
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG22	20	0.88
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG23	20	0.88
(1,1039)	1:26:A:LEU:HD11	1:47:A:THR:HA	14	0.88
(1,1039)	1:26:A:LEU:HD12	1:47:A:THR:HA	14	0.88
(1,1039)	1:26:A:LEU:HD13	1:47:A:THR:HA	14	0.88
(1,1021)	1:53:A:LYS:HG3	1:55:A:GLU:H	2	0.88
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD21	8	0.88
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD22	8	0.88
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD23	8	0.88
(1,887)	1:43:A:ILE:HD11	1:77:A:LEU:HD11	6	0.88
(1,887)	1:43:A:ILE:HD11	1:77:A:LEU:HD12	6	0.88
(1,887)	1:43:A:ILE:HD11	1:77:A:LEU:HD13	6	0.88
(1,887)	1:43:A:ILE:HD12	1:77:A:LEU:HD11	6	0.88
(1,887)	1:43:A:ILE:HD12	1:77:A:LEU:HD12	6	0.88
(1,887)	1:43:A:ILE:HD12	1:77:A:LEU:HD13	6	0.88
(1,887)	1:43:A:ILE:HD13	1:77:A:LEU:HD11	6	0.88
(1,887)	1:43:A:ILE:HD13	1:77:A:LEU:HD12	6	0.88
(1,887)	1:43:A:ILE:HD13	1:77:A:LEU:HD13	6	0.88
(1,854)	1:61:A:VAL:HG21	1:91:A:PRO:HG2	15	0.88
(1,854)	1:61:A:VAL:HG22	1:91:A:PRO:HG2	15	0.88
(1,854)	1:61:A:VAL:HG23	1:91:A:PRO:HG2	15	0.88
(1,794)	1:77:A:LEU:HD11	1:108:A:LEU:HD11	16	0.88
(1,794)	1:77:A:LEU:HD11	1:108:A:LEU:HD12	16	0.88
(1,794)	1:77:A:LEU:HD11	1:108:A:LEU:HD13	16	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,794)	1:77:A:LEU:HD12	1:108:A:LEU:HD11	16	0.88
(1,794)	1:77:A:LEU:HD12	1:108:A:LEU:HD12	16	0.88
(1,794)	1:77:A:LEU:HD12	1:108:A:LEU:HD13	16	0.88
(1,794)	1:77:A:LEU:HD13	1:108:A:LEU:HD11	16	0.88
(1,794)	1:77:A:LEU:HD13	1:108:A:LEU:HD12	16	0.88
(1,794)	1:77:A:LEU:HD13	1:108:A:LEU:HD13	16	0.88
(1,571)	1:85:A:SER:HB3	1:90:A:GLN:HB3	11	0.88
(1,386)	1:61:A:VAL:HG11	1:62:A:GLU:HG2	19	0.88
(1,386)	1:61:A:VAL:HG12	1:62:A:GLU:HG2	19	0.88
(1,386)	1:61:A:VAL:HG13	1:62:A:GLU:HG2	19	0.88
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG2	14	0.88
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG3	14	0.88
(1,342)	1:41:A:GLU:HG2	1:79:A:PHE:HZ	2	0.88
(1,220)	1:95:A:VAL:HA	1:96:A:ASN:HB2	11	0.88
(1,124)	1:112:A:LYS:HA	1:112:A:LYS:HE2	19	0.88
(1,2781)	1:65:A:ASP:HB3	1:78:A:PHE:HD1	20	0.87
(1,2781)	1:65:A:ASP:HB3	1:78:A:PHE:HD2	20	0.87
(1,2549)	1:109:A:LYS:HG2	1:110:A:LYS:H	13	0.87
(1,2537)	1:19:A:GLU:H	1:19:A:GLU:HB3	2	0.87
(1,2537)	1:19:A:GLU:H	1:19:A:GLU:HB3	12	0.87
(1,2358)	1:31:A:PRO:HB2	1:121:A:PHE:H	16	0.87
(1,2269)	1:30:A:ILE:H	1:30:A:ILE:HG12	2	0.87
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG21	12	0.87
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG22	12	0.87
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG23	12	0.87
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG11	9	0.87
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG12	9	0.87
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG13	9	0.87
(1,1935)	1:120:A:ARG:HA	1:121:A:PHE:HB3	5	0.87
(1,1931)	1:81:A:LYS:HG2	1:89:A:ILE:HD11	15	0.87
(1,1931)	1:81:A:LYS:HG2	1:89:A:ILE:HD12	15	0.87
(1,1931)	1:81:A:LYS:HG2	1:89:A:ILE:HD13	15	0.87
(1,1931)	1:81:A:LYS:HG2	1:89:A:ILE:HD11	18	0.87
(1,1931)	1:81:A:LYS:HG2	1:89:A:ILE:HD12	18	0.87
(1,1931)	1:81:A:LYS:HG2	1:89:A:ILE:HD13	18	0.87
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD11	11	0.87
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD12	11	0.87
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD13	11	0.87
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD11	12	0.87
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD12	12	0.87
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD13	12	0.87
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD11	12	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD12	12	0.87
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD13	12	0.87
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD11	12	0.87
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD12	12	0.87
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD13	12	0.87
(1,1812)	1:7:A:PHE:HB3	1:11:A:LYS:HA	19	0.87
(1,1760)	1:31:A:PRO:HB3	1:32:A:PHE:HA	12	0.87
(1,1752)	1:59:A:GLU:HA	1:60:A:VAL:HG21	18	0.87
(1,1752)	1:59:A:GLU:HA	1:60:A:VAL:HG22	18	0.87
(1,1752)	1:59:A:GLU:HA	1:60:A:VAL:HG23	18	0.87
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG21	8	0.87
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG22	8	0.87
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG23	8	0.87
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG21	8	0.87
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG22	8	0.87
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG23	8	0.87
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG21	8	0.87
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG22	8	0.87
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG23	8	0.87
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG21	13	0.87
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG22	13	0.87
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG23	13	0.87
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG21	13	0.87
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG22	13	0.87
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG23	13	0.87
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG21	13	0.87
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG22	13	0.87
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG23	13	0.87
(1,1351)	1:13:A:VAL:HA	1:14:A:ILE:HG13	11	0.87
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG21	13	0.87
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG22	13	0.87
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG23	13	0.87
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG21	13	0.87
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG22	13	0.87
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG23	13	0.87
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG21	13	0.87
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG22	13	0.87
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG23	13	0.87
(1,1298)	1:22:A:VAL:HG21	1:96:A:ASN:HD21	2	0.87
(1,1298)	1:22:A:VAL:HG22	1:96:A:ASN:HD21	2	0.87
(1,1298)	1:22:A:VAL:HG23	1:96:A:ASN:HD21	2	0.87
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG21	13	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG22	13	0.87
(1,1279)	1:30:A:ILE:HG21	1:119:A:VAL:HG23	13	0.87
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG21	13	0.87
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG22	13	0.87
(1,1279)	1:30:A:ILE:HG22	1:119:A:VAL:HG23	13	0.87
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG21	13	0.87
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG22	13	0.87
(1,1279)	1:30:A:ILE:HG23	1:119:A:VAL:HG23	13	0.87
(1,1276)	1:119:A:VAL:HG21	1:120:A:ARG:H	4	0.87
(1,1276)	1:119:A:VAL:HG22	1:120:A:ARG:H	4	0.87
(1,1276)	1:119:A:VAL:HG23	1:120:A:ARG:H	4	0.87
(1,1260)	1:60:A:VAL:HG11	1:89:A:ILE:H	6	0.87
(1,1260)	1:60:A:VAL:HG12	1:89:A:ILE:H	6	0.87
(1,1260)	1:60:A:VAL:HG13	1:89:A:ILE:H	6	0.87
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG21	19	0.87
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG22	19	0.87
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG23	19	0.87
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG21	19	0.87
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG22	19	0.87
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG23	19	0.87
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG21	19	0.87
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG22	19	0.87
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG23	19	0.87
(1,1063)	1:22:A:VAL:HA	1:25:A:LEU:HD11	13	0.87
(1,1063)	1:22:A:VAL:HA	1:25:A:LEU:HD12	13	0.87
(1,1063)	1:22:A:VAL:HA	1:25:A:LEU:HD13	13	0.87
(1,1058)	1:81:A:LYS:HG2	1:85:A:SER:HB2	12	0.87
(1,1021)	1:53:A:LYS:HG3	1:55:A:GLU:H	8	0.87
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD21	15	0.87
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD22	15	0.87
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD23	15	0.87
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD21	15	0.87
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD22	15	0.87
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD23	15	0.87
(1,952)	1:18:A:GLU:HB2	1:24:A:LYS:HG2	2	0.87
(1,952)	1:18:A:GLU:HB2	1:24:A:LYS:HG2	17	0.87
(1,840)	1:4:A:GLU:H	1:5:A:LEU:HD11	7	0.87
(1,840)	1:4:A:GLU:H	1:5:A:LEU:HD12	7	0.87
(1,840)	1:4:A:GLU:H	1:5:A:LEU:HD13	7	0.87
(1,825)	1:7:A:PHE:HB3	1:111:A:ILE:HG12	10	0.87
(1,803)	1:5:A:LEU:HG	1:117:A:VAL:HG21	2	0.87
(1,803)	1:5:A:LEU:HG	1:117:A:VAL:HG22	2	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,803)	1:5:A:LEU:HG	1:117:A:VAL:HG23	2	0.87
(1,761)	1:5:A:LEU:HD21	1:14:A:ILE:HG13	17	0.87
(1,761)	1:5:A:LEU:HD22	1:14:A:ILE:HG13	17	0.87
(1,761)	1:5:A:LEU:HD23	1:14:A:ILE:HG13	17	0.87
(1,716)	1:39:A:TRP:HB3	1:42:A:GLU:HB2	3	0.87
(1,658)	1:72:A:GLY:HA3	1:73:A:LYS:HD2	6	0.87
(1,658)	1:72:A:GLY:HA3	1:73:A:LYS:HD3	6	0.87
(1,620)	1:59:A:GLU:HB3	1:60:A:VAL:HG21	13	0.87
(1,620)	1:59:A:GLU:HB3	1:60:A:VAL:HG22	13	0.87
(1,620)	1:59:A:GLU:HB3	1:60:A:VAL:HG23	13	0.87
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG21	16	0.87
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG22	16	0.87
(1,581)	1:2:A:ARG:HB3	1:13:A:VAL:HG23	16	0.87
(1,400)	1:21:A:GLU:HG2	1:25:A:LEU:HD11	17	0.87
(1,400)	1:21:A:GLU:HG2	1:25:A:LEU:HD12	17	0.87
(1,400)	1:21:A:GLU:HG2	1:25:A:LEU:HD13	17	0.87
(1,385)	1:60:A:VAL:HG11	1:62:A:GLU:HG2	15	0.87
(1,385)	1:60:A:VAL:HG12	1:62:A:GLU:HG2	15	0.87
(1,385)	1:60:A:VAL:HG13	1:62:A:GLU:HG2	15	0.87
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG11	20	0.87
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG12	20	0.87
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG13	20	0.87
(1,286)	1:14:A:ILE:HA	1:100:A:LYS:HB3	6	0.87
(1,239)	1:18:A:GLU:HG3	1:24:A:LYS:HG2	7	0.87
(1,2887)	1:69:A:TRP:HZ3	1:72:A:GLY:HA2	3	0.86
(1,2877)	1:69:A:TRP:HD1	1:70:A:PRO:HD3	3	0.86
(1,2786)	1:42:A:GLU:HG2	1:44:A:TYR:HD1	5	0.86
(1,2786)	1:42:A:GLU:HG2	1:44:A:TYR:HD2	5	0.86
(1,2773)	1:79:A:PHE:HD1	1:109:A:LYS:HD3	5	0.86
(1,2773)	1:79:A:PHE:HD2	1:109:A:LYS:HD3	5	0.86
(1,2722)	1:61:A:VAL:HG21	1:95:A:VAL:H	10	0.86
(1,2722)	1:61:A:VAL:HG22	1:95:A:VAL:H	10	0.86
(1,2722)	1:61:A:VAL:HG23	1:95:A:VAL:H	10	0.86
(1,2718)	1:59:A:GLU:HB2	1:90:A:GLN:HE22	13	0.86
(1,2619)	1:26:A:LEU:HD11	1:49:A:VAL:H	1	0.86
(1,2619)	1:26:A:LEU:HD12	1:49:A:VAL:H	1	0.86
(1,2619)	1:26:A:LEU:HD13	1:49:A:VAL:H	1	0.86
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG11	10	0.86
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG12	10	0.86
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG13	10	0.86
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG11	12	0.86
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG12	12	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG13	12	0.86
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG11	3	0.86
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG12	3	0.86
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG13	3	0.86
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG11	14	0.86
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG12	14	0.86
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG13	14	0.86
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG11	16	0.86
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG12	16	0.86
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG13	16	0.86
(1,1962)	1:29:A:LYS:HA	1:30:A:ILE:HG12	3	0.86
(1,1962)	1:29:A:LYS:HA	1:30:A:ILE:HG12	8	0.86
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD11	2	0.86
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD12	2	0.86
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD13	2	0.86
(1,1812)	1:7:A:PHE:HB3	1:11:A:LYS:HA	12	0.86
(1,1752)	1:59:A:GLU:HA	1:60:A:VAL:HG21	13	0.86
(1,1752)	1:59:A:GLU:HA	1:60:A:VAL:HG22	13	0.86
(1,1752)	1:59:A:GLU:HA	1:60:A:VAL:HG23	13	0.86
(1,1713)	1:61:A:VAL:HG11	1:78:A:PHE:HB2	8	0.86
(1,1713)	1:61:A:VAL:HG12	1:78:A:PHE:HB2	8	0.86
(1,1713)	1:61:A:VAL:HG13	1:78:A:PHE:HB2	8	0.86
(1,1636)	1:85:A:SER:HA	1:90:A:GLN:HG2	2	0.86
(1,1483)	1:53:A:LYS:HG3	1:55:A:GLU:HA	1	0.86
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG11	19	0.86
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG12	19	0.86
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG13	19	0.86
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG21	10	0.86
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG22	10	0.86
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG23	10	0.86
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG21	10	0.86
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG22	10	0.86
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG23	10	0.86
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG21	10	0.86
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG22	10	0.86
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG23	10	0.86
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG21	13	0.86
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG22	13	0.86
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG23	13	0.86
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG21	13	0.86
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG22	13	0.86
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG23	13	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG21	13	0.86
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG22	13	0.86
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG23	13	0.86
(1,1076)	1:16:A:LEU:HD21	1:17:A:ASN:H	8	0.86
(1,1076)	1:16:A:LEU:HD22	1:17:A:ASN:H	8	0.86
(1,1076)	1:16:A:LEU:HD23	1:17:A:ASN:H	8	0.86
(1,948)	1:1:A:MET:HB2	1:16:A:LEU:HD11	5	0.86
(1,948)	1:1:A:MET:HB2	1:16:A:LEU:HD12	5	0.86
(1,948)	1:1:A:MET:HB2	1:16:A:LEU:HD13	5	0.86
(1,948)	1:1:A:MET:HB3	1:16:A:LEU:HD11	5	0.86
(1,948)	1:1:A:MET:HB3	1:16:A:LEU:HD12	5	0.86
(1,948)	1:1:A:MET:HB3	1:16:A:LEU:HD13	5	0.86
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG11	13	0.86
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG12	13	0.86
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG13	13	0.86
(1,854)	1:61:A:VAL:HG21	1:91:A:PRO:HG2	4	0.86
(1,854)	1:61:A:VAL:HG22	1:91:A:PRO:HG2	4	0.86
(1,854)	1:61:A:VAL:HG23	1:91:A:PRO:HG2	4	0.86
(1,740)	1:2:A:ARG:HG3	1:16:A:LEU:H	12	0.86
(1,681)	1:63:A:ILE:HG13	1:79:A:PHE:HA	16	0.86
(1,633)	1:56:A:ASN:HB2	1:97:A:VAL:HB	15	0.86
(1,505)	1:23:A:VAL:HG21	1:27:A:LYS:HB2	13	0.86
(1,505)	1:23:A:VAL:HG22	1:27:A:LYS:HB2	13	0.86
(1,505)	1:23:A:VAL:HG23	1:27:A:LYS:HB2	13	0.86
(1,358)	1:54:A:MET:HB3	1:57:A:PRO:HB3	13	0.86
(1,2843)	1:26:A:LEU:HD11	1:32:A:PHE:HE1	17	0.85
(1,2843)	1:26:A:LEU:HD11	1:32:A:PHE:HE2	17	0.85
(1,2843)	1:26:A:LEU:HD12	1:32:A:PHE:HE1	17	0.85
(1,2843)	1:26:A:LEU:HD12	1:32:A:PHE:HE2	17	0.85
(1,2843)	1:26:A:LEU:HD13	1:32:A:PHE:HE1	17	0.85
(1,2843)	1:26:A:LEU:HD13	1:32:A:PHE:HE2	17	0.85
(1,2819)	1:77:A:LEU:HB3	1:79:A:PHE:HE1	17	0.85
(1,2819)	1:77:A:LEU:HB3	1:79:A:PHE:HE2	17	0.85
(1,2603)	1:33:A:GLU:HG3	1:34:A:SER:H	10	0.85
(1,2581)	1:54:A:MET:HB3	1:56:A:ASN:H	7	0.85
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG11	2	0.85
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG12	2	0.85
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG13	2	0.85
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG21	2	0.85
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG22	2	0.85
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG23	2	0.85
(1,2080)	1:56:A:ASN:HB2	1:97:A:VAL:H	2	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2080)	1:56:A:ASN:HB2	1:97:A:VAL:H	12	0.85
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG11	13	0.85
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG12	13	0.85
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG13	13	0.85
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG11	14	0.85
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG12	14	0.85
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG13	14	0.85
(1,2024)	1:54:A:MET:HG3	1:96:A:ASN:HA	20	0.85
(1,1935)	1:120:A:ARG:HA	1:121:A:PHE:HB3	20	0.85
(1,1876)	1:60:A:VAL:HG11	1:88:A:LYS:HA	3	0.85
(1,1876)	1:60:A:VAL:HG12	1:88:A:LYS:HA	3	0.85
(1,1876)	1:60:A:VAL:HG13	1:88:A:LYS:HA	3	0.85
(1,1876)	1:60:A:VAL:HG11	1:88:A:LYS:HA	15	0.85
(1,1876)	1:60:A:VAL:HG12	1:88:A:LYS:HA	15	0.85
(1,1876)	1:60:A:VAL:HG13	1:88:A:LYS:HA	15	0.85
(1,1876)	1:60:A:VAL:HG11	1:88:A:LYS:HA	18	0.85
(1,1876)	1:60:A:VAL:HG12	1:88:A:LYS:HA	18	0.85
(1,1876)	1:60:A:VAL:HG13	1:88:A:LYS:HA	18	0.85
(1,1812)	1:7:A:PHE:HB3	1:11:A:LYS:HA	11	0.85
(1,1787)	1:7:A:PHE:HA	1:117:A:VAL:HG21	2	0.85
(1,1787)	1:7:A:PHE:HA	1:117:A:VAL:HG22	2	0.85
(1,1787)	1:7:A:PHE:HA	1:117:A:VAL:HG23	2	0.85
(1,1374)	1:66:A:VAL:H	1:97:A:VAL:HG11	4	0.85
(1,1374)	1:66:A:VAL:H	1:97:A:VAL:HG12	4	0.85
(1,1374)	1:66:A:VAL:H	1:97:A:VAL:HG13	4	0.85
(1,1366)	1:59:A:GLU:HB2	1:60:A:VAL:HG21	13	0.85
(1,1366)	1:59:A:GLU:HB2	1:60:A:VAL:HG22	13	0.85
(1,1366)	1:59:A:GLU:HB2	1:60:A:VAL:HG23	13	0.85
(1,1366)	1:59:A:GLU:HB2	1:60:A:VAL:HG21	17	0.85
(1,1366)	1:59:A:GLU:HB2	1:60:A:VAL:HG22	17	0.85
(1,1366)	1:59:A:GLU:HB2	1:60:A:VAL:HG23	17	0.85
(1,1366)	1:59:A:GLU:HB2	1:60:A:VAL:HG21	19	0.85
(1,1366)	1:59:A:GLU:HB2	1:60:A:VAL:HG22	19	0.85
(1,1366)	1:59:A:GLU:HB2	1:60:A:VAL:HG23	19	0.85
(1,1298)	1:22:A:VAL:HG21	1:96:A:ASN:HD21	13	0.85
(1,1298)	1:22:A:VAL:HG22	1:96:A:ASN:HD21	13	0.85
(1,1298)	1:22:A:VAL:HG23	1:96:A:ASN:HD21	13	0.85
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG21	3	0.85
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG22	3	0.85
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG23	3	0.85
(1,1260)	1:60:A:VAL:HG11	1:89:A:ILE:H	17	0.85
(1,1260)	1:60:A:VAL:HG12	1:89:A:ILE:H	17	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1260)	1:60:A:VAL:HG13	1:89:A:ILE:H	17	0.85
(1,1235)	1:107:A:ASP:HA	1:108:A:LEU:HD21	8	0.85
(1,1235)	1:107:A:ASP:HA	1:108:A:LEU:HD22	8	0.85
(1,1235)	1:107:A:ASP:HA	1:108:A:LEU:HD23	8	0.85
(1,1139)	1:49:A:VAL:HG21	1:50:A:ASN:HA	11	0.85
(1,1139)	1:49:A:VAL:HG22	1:50:A:ASN:HA	11	0.85
(1,1139)	1:49:A:VAL:HG23	1:50:A:ASN:HA	11	0.85
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB1	5	0.85
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB2	5	0.85
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB3	5	0.85
(1,1084)	1:15:A:ASP:HB2	1:16:A:LEU:HD21	16	0.85
(1,1084)	1:15:A:ASP:HB2	1:16:A:LEU:HD22	16	0.85
(1,1084)	1:15:A:ASP:HB2	1:16:A:LEU:HD23	16	0.85
(1,1076)	1:16:A:LEU:HD21	1:17:A:ASN:H	1	0.85
(1,1076)	1:16:A:LEU:HD22	1:17:A:ASN:H	1	0.85
(1,1076)	1:16:A:LEU:HD23	1:17:A:ASN:H	1	0.85
(1,1076)	1:16:A:LEU:HD21	1:17:A:ASN:H	4	0.85
(1,1076)	1:16:A:LEU:HD22	1:17:A:ASN:H	4	0.85
(1,1076)	1:16:A:LEU:HD23	1:17:A:ASN:H	4	0.85
(1,1076)	1:16:A:LEU:HD21	1:17:A:ASN:H	5	0.85
(1,1076)	1:16:A:LEU:HD22	1:17:A:ASN:H	5	0.85
(1,1076)	1:16:A:LEU:HD23	1:17:A:ASN:H	5	0.85
(1,1076)	1:16:A:LEU:HD21	1:17:A:ASN:H	17	0.85
(1,1076)	1:16:A:LEU:HD22	1:17:A:ASN:H	17	0.85
(1,1076)	1:16:A:LEU:HD23	1:17:A:ASN:H	17	0.85
(1,1039)	1:26:A:LEU:HD11	1:47:A:THR:HA	8	0.85
(1,1039)	1:26:A:LEU:HD12	1:47:A:THR:HA	8	0.85
(1,1039)	1:26:A:LEU:HD13	1:47:A:THR:HA	8	0.85
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD21	19	0.85
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD22	19	0.85
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD23	19	0.85
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG11	17	0.85
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG12	17	0.85
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG13	17	0.85
(1,825)	1:7:A:PHE:HB3	1:111:A:ILE:HG12	14	0.85
(1,784)	1:78:A:PHE:H	1:108:A:LEU:HD11	16	0.85
(1,784)	1:78:A:PHE:H	1:108:A:LEU:HD12	16	0.85
(1,784)	1:78:A:PHE:H	1:108:A:LEU:HD13	16	0.85
(1,663)	1:110:A:LYS:HA	1:110:A:LYS:HD3	3	0.85
(1,663)	1:110:A:LYS:HA	1:110:A:LYS:HD3	11	0.85
(1,645)	1:52:A:GLN:HE22	1:70:A:PRO:HB2	13	0.85
(1,609)	1:58:A:ARG:HA	1:59:A:GLU:HB3	2	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,549)	1:62:A:GLU:HB3	1:65:A:ASP:HB3	16	0.85
(1,540)	1:42:A:GLU:HG3	1:78:A:PHE:HD1	19	0.85
(1,540)	1:42:A:GLU:HG3	1:78:A:PHE:HD2	19	0.85
(1,358)	1:54:A:MET:HB3	1:57:A:PRO:HB3	5	0.85
(1,343)	1:41:A:GLU:HG2	1:79:A:PHE:HE1	3	0.85
(1,343)	1:41:A:GLU:HG2	1:79:A:PHE:HE2	3	0.85
(1,343)	1:41:A:GLU:HG2	1:79:A:PHE:HE1	13	0.85
(1,343)	1:41:A:GLU:HG2	1:79:A:PHE:HE2	13	0.85
(1,287)	1:7:A:PHE:HB2	1:8:A:GLU:HG3	2	0.85
(1,287)	1:7:A:PHE:HB2	1:8:A:GLU:HG3	5	0.85
(1,189)	1:106:A:GLU:H	1:107:A:ASP:HB2	15	0.85
(1,31)	1:1:A:MET:HB2	1:16:A:LEU:HB3	15	0.85
(1,31)	1:1:A:MET:HB3	1:16:A:LEU:HB3	15	0.85
(1,2781)	1:65:A:ASP:HB3	1:78:A:PHE:HD1	10	0.84
(1,2781)	1:65:A:ASP:HB3	1:78:A:PHE:HD2	10	0.84
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG11	18	0.84
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG12	18	0.84
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG13	18	0.84
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG11	18	0.84
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG12	18	0.84
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG13	18	0.84
(1,2722)	1:61:A:VAL:HG21	1:95:A:VAL:H	6	0.84
(1,2722)	1:61:A:VAL:HG22	1:95:A:VAL:H	6	0.84
(1,2722)	1:61:A:VAL:HG23	1:95:A:VAL:H	6	0.84
(1,2719)	1:60:A:VAL:HG21	1:90:A:GLN:HE22	4	0.84
(1,2719)	1:60:A:VAL:HG22	1:90:A:GLN:HE22	4	0.84
(1,2719)	1:60:A:VAL:HG23	1:90:A:GLN:HE22	4	0.84
(1,2631)	1:105:A:LEU:HB2	1:106:A:GLU:H	8	0.84
(1,2603)	1:33:A:GLU:HG3	1:34:A:SER:H	12	0.84
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG11	14	0.84
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG12	14	0.84
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG13	14	0.84
(1,2255)	1:22:A:VAL:HG11	1:51:A:VAL:H	16	0.84
(1,2255)	1:22:A:VAL:HG12	1:51:A:VAL:H	16	0.84
(1,2255)	1:22:A:VAL:HG13	1:51:A:VAL:H	16	0.84
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG11	5	0.84
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG12	5	0.84
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG13	5	0.84
(1,2016)	1:54:A:MET:HB3	1:96:A:ASN:HA	9	0.84
(1,1935)	1:120:A:ARG:HA	1:121:A:PHE:HB3	15	0.84
(1,1935)	1:120:A:ARG:HA	1:121:A:PHE:HB3	16	0.84
(1,1812)	1:7:A:PHE:HB3	1:11:A:LYS:HA	1	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1760)	1:31:A:PRO:HB3	1:32:A:PHE:HA	5	0.84
(1,1706)	1:61:A:VAL:HG11	1:89:A:ILE:HA	12	0.84
(1,1706)	1:61:A:VAL:HG12	1:89:A:ILE:HA	12	0.84
(1,1706)	1:61:A:VAL:HG13	1:89:A:ILE:HA	12	0.84
(1,1693)	1:27:A:LYS:HG3	1:28:A:GLU:HA	14	0.84
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG21	10	0.84
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG22	10	0.84
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG23	10	0.84
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG21	10	0.84
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG22	10	0.84
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG23	10	0.84
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG21	10	0.84
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG22	10	0.84
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG23	10	0.84
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG21	16	0.84
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG22	16	0.84
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG23	16	0.84
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG21	16	0.84
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG22	16	0.84
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG23	16	0.84
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG21	16	0.84
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG22	16	0.84
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG23	16	0.84
(1,1483)	1:53:A:LYS:HG3	1:55:A:GLU:HA	16	0.84
(1,1366)	1:59:A:GLU:HB2	1:60:A:VAL:HG21	3	0.84
(1,1366)	1:59:A:GLU:HB2	1:60:A:VAL:HG22	3	0.84
(1,1366)	1:59:A:GLU:HB2	1:60:A:VAL:HG23	3	0.84
(1,1366)	1:59:A:GLU:HB2	1:60:A:VAL:HG21	4	0.84
(1,1366)	1:59:A:GLU:HB2	1:60:A:VAL:HG22	4	0.84
(1,1366)	1:59:A:GLU:HB2	1:60:A:VAL:HG23	4	0.84
(1,1340)	1:59:A:GLU:H	1:60:A:VAL:HG21	1	0.84
(1,1340)	1:59:A:GLU:H	1:60:A:VAL:HG22	1	0.84
(1,1340)	1:59:A:GLU:H	1:60:A:VAL:HG23	1	0.84
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG21	16	0.84
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG22	16	0.84
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG23	16	0.84
(1,1276)	1:119:A:VAL:HG21	1:120:A:ARG:H	13	0.84
(1,1276)	1:119:A:VAL:HG22	1:120:A:ARG:H	13	0.84
(1,1276)	1:119:A:VAL:HG23	1:120:A:ARG:H	13	0.84
(1,1272)	1:51:A:VAL:HG11	1:53:A:LYS:H	19	0.84
(1,1272)	1:51:A:VAL:HG12	1:53:A:LYS:H	19	0.84
(1,1272)	1:51:A:VAL:HG13	1:53:A:LYS:H	19	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1076)	1:16:A:LEU:HD21	1:17:A:ASN:H	10	0.84
(1,1076)	1:16:A:LEU:HD22	1:17:A:ASN:H	10	0.84
(1,1076)	1:16:A:LEU:HD23	1:17:A:ASN:H	10	0.84
(1,1063)	1:22:A:VAL:HA	1:25:A:LEU:HD11	17	0.84
(1,1063)	1:22:A:VAL:HA	1:25:A:LEU:HD12	17	0.84
(1,1063)	1:22:A:VAL:HA	1:25:A:LEU:HD13	17	0.84
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD11	10	0.84
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD12	10	0.84
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD13	10	0.84
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD11	10	0.84
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD12	10	0.84
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD13	10	0.84
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG11	20	0.84
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG12	20	0.84
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG13	20	0.84
(1,620)	1:59:A:GLU:HB3	1:60:A:VAL:HG21	15	0.84
(1,620)	1:59:A:GLU:HB3	1:60:A:VAL:HG22	15	0.84
(1,620)	1:59:A:GLU:HB3	1:60:A:VAL:HG23	15	0.84
(1,620)	1:59:A:GLU:HB3	1:60:A:VAL:HG21	19	0.84
(1,620)	1:59:A:GLU:HB3	1:60:A:VAL:HG22	19	0.84
(1,620)	1:59:A:GLU:HB3	1:60:A:VAL:HG23	19	0.84
(1,609)	1:58:A:ARG:HA	1:59:A:GLU:HB3	11	0.84
(1,598)	1:12:A:CYS:HB2	1:101:A:ILE:HG21	14	0.84
(1,598)	1:12:A:CYS:HB2	1:101:A:ILE:HG22	14	0.84
(1,598)	1:12:A:CYS:HB2	1:101:A:ILE:HG23	14	0.84
(1,535)	1:23:A:VAL:H	1:24:A:LYS:HB3	11	0.84
(1,458)	1:102:A:VAL:HG21	1:103:A:GLU:HB2	3	0.84
(1,458)	1:102:A:VAL:HG22	1:103:A:GLU:HB2	3	0.84
(1,458)	1:102:A:VAL:HG23	1:103:A:GLU:HB2	3	0.84
(1,358)	1:54:A:MET:HB3	1:57:A:PRO:HB3	18	0.84
(1,220)	1:95:A:VAL:HA	1:96:A:ASN:HB2	1	0.84
(1,133)	1:109:A:LYS:HA	1:109:A:LYS:HE3	13	0.84
(1,31)	1:1:A:MET:HB2	1:16:A:LEU:HB3	10	0.84
(1,31)	1:1:A:MET:HB3	1:16:A:LEU:HB3	10	0.84
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG11	5	0.83
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG12	5	0.83
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG13	5	0.83
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG11	10	0.83
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG12	10	0.83
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG13	10	0.83
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG11	10	0.83
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG12	10	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG13	10	0.83
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG11	6	0.83
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG12	6	0.83
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG13	6	0.83
(1,2445)	1:32:A:PHE:HB3	1:33:A:GLU:H	16	0.83
(1,2147)	1:18:A:GLU:H	1:18:A:GLU:HG2	12	0.83
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG21	16	0.83
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG22	16	0.83
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG23	16	0.83
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG11	19	0.83
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG12	19	0.83
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG13	19	0.83
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG11	1	0.83
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG12	1	0.83
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG13	1	0.83
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG11	6	0.83
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG12	6	0.83
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG13	6	0.83
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG11	19	0.83
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG12	19	0.83
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG13	19	0.83
(1,1962)	1:29:A:LYS:HA	1:30:A:ILE:HG12	18	0.83
(1,1935)	1:120:A:ARG:HA	1:121:A:PHE:HB3	7	0.83
(1,1812)	1:7:A:PHE:HB3	1:11:A:LYS:HA	5	0.83
(1,1760)	1:31:A:PRO:HB3	1:32:A:PHE:HA	10	0.83
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG21	12	0.83
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG22	12	0.83
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG23	12	0.83
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG21	12	0.83
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG22	12	0.83
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG23	12	0.83
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG21	12	0.83
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG22	12	0.83
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG23	12	0.83
(1,1063)	1:22:A:VAL:HA	1:25:A:LEU:HD11	9	0.83
(1,1063)	1:22:A:VAL:HA	1:25:A:LEU:HD12	9	0.83
(1,1063)	1:22:A:VAL:HA	1:25:A:LEU:HD13	9	0.83
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD21	14	0.83
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD22	14	0.83
(1,968)	1:101:A:ILE:HB	1:105:A:LEU:HD23	14	0.83
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD21	15	0.83
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD22	15	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD23	15	0.83
(1,826)	1:7:A:PHE:HE1	1:111:A:ILE:HG12	13	0.83
(1,633)	1:56:A:ASN:HB2	1:97:A:VAL:HB	3	0.83
(1,535)	1:23:A:VAL:H	1:24:A:LYS:HB3	6	0.83
(1,535)	1:23:A:VAL:H	1:24:A:LYS:HB3	20	0.83
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG11	5	0.83
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG12	5	0.83
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG13	5	0.83
(1,220)	1:95:A:VAL:HA	1:96:A:ASN:HB2	8	0.83
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG11	19	0.82
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG12	19	0.82
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG13	19	0.82
(1,2760)	1:32:A:PHE:HD1	1:48:A:PRO:HG2	3	0.82
(1,2760)	1:32:A:PHE:HD2	1:48:A:PRO:HG2	3	0.82
(1,2744)	1:7:A:PHE:HB3	1:10:A:GLY:H	3	0.82
(1,2320)	1:96:A:ASN:H	1:96:A:ASN:HD22	12	0.82
(1,2147)	1:18:A:GLU:H	1:18:A:GLU:HG2	4	0.82
(1,2147)	1:18:A:GLU:H	1:18:A:GLU:HG2	7	0.82
(1,2147)	1:18:A:GLU:H	1:18:A:GLU:HG2	20	0.82
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG11	13	0.82
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG12	13	0.82
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG13	13	0.82
(1,2016)	1:54:A:MET:HB3	1:96:A:ASN:HA	11	0.82
(1,1738)	1:7:A:PHE:HE2	1:43:A:ILE:HD12	18	0.82
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG21	6	0.82
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG22	6	0.82
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG23	6	0.82
(1,1713)	1:61:A:VAL:HG11	1:78:A:PHE:HB2	13	0.82
(1,1713)	1:61:A:VAL:HG12	1:78:A:PHE:HB2	13	0.82
(1,1713)	1:61:A:VAL:HG13	1:78:A:PHE:HB2	13	0.82
(1,1711)	1:61:A:VAL:HG11	1:78:A:PHE:HB3	3	0.82
(1,1711)	1:61:A:VAL:HG12	1:78:A:PHE:HB3	3	0.82
(1,1711)	1:61:A:VAL:HG13	1:78:A:PHE:HB3	3	0.82
(1,1647)	1:34:A:SER:H	1:117:A:VAL:HG11	5	0.82
(1,1647)	1:34:A:SER:H	1:117:A:VAL:HG12	5	0.82
(1,1647)	1:34:A:SER:H	1:117:A:VAL:HG13	5	0.82
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG21	3	0.82
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG22	3	0.82
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG23	3	0.82
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG21	3	0.82
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG22	3	0.82
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG23	3	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG21	3	0.82
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG22	3	0.82
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG23	3	0.82
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG21	15	0.82
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG22	15	0.82
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG23	15	0.82
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG21	15	0.82
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG22	15	0.82
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG23	15	0.82
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG21	15	0.82
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG22	15	0.82
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG23	15	0.82
(1,1276)	1:119:A:VAL:HG21	1:120:A:ARG:H	8	0.82
(1,1276)	1:119:A:VAL:HG22	1:120:A:ARG:H	8	0.82
(1,1276)	1:119:A:VAL:HG23	1:120:A:ARG:H	8	0.82
(1,1237)	1:108:A:LEU:HA	1:108:A:LEU:HD21	12	0.82
(1,1237)	1:108:A:LEU:HA	1:108:A:LEU:HD22	12	0.82
(1,1237)	1:108:A:LEU:HA	1:108:A:LEU:HD23	12	0.82
(1,1080)	1:16:A:LEU:HD21	1:99:A:GLY:HA3	17	0.82
(1,1080)	1:16:A:LEU:HD22	1:99:A:GLY:HA3	17	0.82
(1,1080)	1:16:A:LEU:HD23	1:99:A:GLY:HA3	17	0.82
(1,1031)	1:26:A:LEU:HD11	1:32:A:PHE:HZ	5	0.82
(1,1031)	1:26:A:LEU:HD12	1:32:A:PHE:HZ	5	0.82
(1,1031)	1:26:A:LEU:HD13	1:32:A:PHE:HZ	5	0.82
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD21	11	0.82
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD22	11	0.82
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD23	11	0.82
(1,704)	1:81:A:LYS:HD2	1:89:A:ILE:HD11	10	0.82
(1,704)	1:81:A:LYS:HD2	1:89:A:ILE:HD12	10	0.82
(1,704)	1:81:A:LYS:HD2	1:89:A:ILE:HD13	10	0.82
(1,535)	1:23:A:VAL:H	1:24:A:LYS:HB3	15	0.82
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG2	1	0.82
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG3	1	0.82
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG11	8	0.82
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG12	8	0.82
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG13	8	0.82
(1,188)	1:104:A:GLY:HA2	1:107:A:ASP:HB2	17	0.82
(1,65)	1:15:A:ASP:HB2	1:100:A:LYS:HB2	7	0.82
(1,53)	1:72:A:GLY:HA2	1:74:A:ALA:H	11	0.82
(1,42)	1:63:A:ILE:HG13	1:80:A:GLY:HA2	3	0.82
(1,18)	1:16:A:LEU:HD21	1:99:A:GLY:HA2	17	0.82
(1,18)	1:16:A:LEU:HD22	1:99:A:GLY:HA2	17	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,18)	1:16:A:LEU:HD23	1:99:A:GLY:HA2	17	0.82
(1,2894)	1:39:A:TRP:HZ3	1:84:A:MET:HB3	12	0.81
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG11	5	0.81
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG12	5	0.81
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG13	5	0.81
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG11	5	0.81
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG12	5	0.81
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG13	5	0.81
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG11	10	0.81
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG12	10	0.81
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG13	10	0.81
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG11	10	0.81
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG12	10	0.81
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG13	10	0.81
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG11	13	0.81
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG12	13	0.81
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG13	13	0.81
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG11	13	0.81
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG12	13	0.81
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG13	13	0.81
(1,2786)	1:42:A:GLU:HG2	1:44:A:TYR:HD1	20	0.81
(1,2786)	1:42:A:GLU:HG2	1:44:A:TYR:HD2	20	0.81
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG11	19	0.81
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG12	19	0.81
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG13	19	0.81
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG11	19	0.81
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG12	19	0.81
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG13	19	0.81
(1,2603)	1:33:A:GLU:HG3	1:34:A:SER:H	6	0.81
(1,2581)	1:54:A:MET:HB3	1:56:A:ASN:H	2	0.81
(1,2581)	1:54:A:MET:HB3	1:56:A:ASN:H	13	0.81
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG11	9	0.81
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG12	9	0.81
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG13	9	0.81
(1,2269)	1:30:A:ILE:H	1:30:A:ILE:HG12	7	0.81
(1,2147)	1:18:A:GLU:H	1:18:A:GLU:HG2	1	0.81
(1,2115)	1:2:A:ARG:HG3	1:3:A:VAL:H	4	0.81
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG11	18	0.81
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG12	18	0.81
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG13	18	0.81
(1,1931)	1:81:A:LYS:HG2	1:89:A:ILE:HD11	1	0.81
(1,1931)	1:81:A:LYS:HG2	1:89:A:ILE:HD12	1	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1931)	1:81:A:LYS:HG2	1:89:A:ILE:HD13	1	0.81
(1,1587)	1:101:A:ILE:HG21	1:105:A:LEU:HB3	2	0.81
(1,1587)	1:101:A:ILE:HG22	1:105:A:LEU:HB3	2	0.81
(1,1587)	1:101:A:ILE:HG23	1:105:A:LEU:HB3	2	0.81
(1,1330)	1:35:A:VAL:HG21	1:116:A:LYS:HE3	9	0.81
(1,1330)	1:35:A:VAL:HG22	1:116:A:LYS:HE3	9	0.81
(1,1330)	1:35:A:VAL:HG23	1:116:A:LYS:HE3	9	0.81
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG21	7	0.81
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG22	7	0.81
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG23	7	0.81
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG21	7	0.81
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG22	7	0.81
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG23	7	0.81
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG21	7	0.81
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG22	7	0.81
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG23	7	0.81
(1,1276)	1:119:A:VAL:HG21	1:120:A:ARG:H	20	0.81
(1,1276)	1:119:A:VAL:HG22	1:120:A:ARG:H	20	0.81
(1,1276)	1:119:A:VAL:HG23	1:120:A:ARG:H	20	0.81
(1,1272)	1:51:A:VAL:HG11	1:53:A:LYS:H	10	0.81
(1,1272)	1:51:A:VAL:HG12	1:53:A:LYS:H	10	0.81
(1,1272)	1:51:A:VAL:HG13	1:53:A:LYS:H	10	0.81
(1,1244)	1:107:A:ASP:HB2	1:108:A:LEU:HD21	5	0.81
(1,1244)	1:107:A:ASP:HB2	1:108:A:LEU:HD22	5	0.81
(1,1244)	1:107:A:ASP:HB2	1:108:A:LEU:HD23	5	0.81
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG11	6	0.81
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG12	6	0.81
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG13	6	0.81
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG11	6	0.81
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG12	6	0.81
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG13	6	0.81
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG11	6	0.81
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG12	6	0.81
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG13	6	0.81
(1,1032)	1:26:A:LEU:HD11	1:47:A:THR:HB	8	0.81
(1,1032)	1:26:A:LEU:HD12	1:47:A:THR:HB	8	0.81
(1,1032)	1:26:A:LEU:HD13	1:47:A:THR:HB	8	0.81
(1,1032)	1:26:A:LEU:HD11	1:47:A:THR:HB	14	0.81
(1,1032)	1:26:A:LEU:HD12	1:47:A:THR:HB	14	0.81
(1,1032)	1:26:A:LEU:HD13	1:47:A:THR:HB	14	0.81
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD21	2	0.81
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD22	2	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD23	2	0.81
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD21	13	0.81
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD22	13	0.81
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD23	13	0.81
(1,946)	1:16:A:LEU:HD11	1:23:A:VAL:HA	4	0.81
(1,946)	1:16:A:LEU:HD12	1:23:A:VAL:HA	4	0.81
(1,946)	1:16:A:LEU:HD13	1:23:A:VAL:HA	4	0.81
(1,825)	1:7:A:PHE:HB3	1:111:A:ILE:HG12	1	0.81
(1,535)	1:23:A:VAL:H	1:24:A:LYS:HB3	19	0.81
(1,400)	1:21:A:GLU:HG2	1:25:A:LEU:HD11	5	0.81
(1,400)	1:21:A:GLU:HG2	1:25:A:LEU:HD12	5	0.81
(1,400)	1:21:A:GLU:HG2	1:25:A:LEU:HD13	5	0.81
(1,193)	1:107:A:ASP:HB3	1:108:A:LEU:HD21	5	0.81
(1,193)	1:107:A:ASP:HB3	1:108:A:LEU:HD22	5	0.81
(1,193)	1:107:A:ASP:HB3	1:108:A:LEU:HD23	5	0.81
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG21	14	0.81
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG22	14	0.81
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG23	14	0.81
(1,42)	1:63:A:ILE:HG13	1:80:A:GLY:HA2	4	0.81
(1,42)	1:63:A:ILE:HG13	1:80:A:GLY:HA2	16	0.81
(1,2894)	1:39:A:TRP:HZ3	1:84:A:MET:HB3	6	0.8
(1,2877)	1:69:A:TRP:HD1	1:70:A:PRO:HD3	15	0.8
(1,2843)	1:26:A:LEU:HD11	1:32:A:PHE:HE1	5	0.8
(1,2843)	1:26:A:LEU:HD11	1:32:A:PHE:HE2	5	0.8
(1,2843)	1:26:A:LEU:HD12	1:32:A:PHE:HE1	5	0.8
(1,2843)	1:26:A:LEU:HD12	1:32:A:PHE:HE2	5	0.8
(1,2843)	1:26:A:LEU:HD13	1:32:A:PHE:HE1	5	0.8
(1,2843)	1:26:A:LEU:HD13	1:32:A:PHE:HE2	5	0.8
(1,2819)	1:77:A:LEU:HB3	1:79:A:PHE:HE1	13	0.8
(1,2819)	1:77:A:LEU:HB3	1:79:A:PHE:HE2	13	0.8
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG11	13	0.8
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG12	13	0.8
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG13	13	0.8
(1,2297)	1:62:A:GLU:HB3	1:65:A:ASP:H	13	0.8
(1,2269)	1:30:A:ILE:H	1:30:A:ILE:HG12	3	0.8
(1,2115)	1:2:A:ARG:HG3	1:3:A:VAL:H	6	0.8
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG11	16	0.8
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG12	16	0.8
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG13	16	0.8
(1,1935)	1:120:A:ARG:HA	1:121:A:PHE:HB3	2	0.8
(1,1587)	1:101:A:ILE:HG21	1:105:A:LEU:HB3	15	0.8
(1,1587)	1:101:A:ILE:HG22	1:105:A:LEU:HB3	15	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1587)	1:101:A:ILE:HG23	1:105:A:LEU:HB3	15	0.8
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG11	12	0.8
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG12	12	0.8
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG13	12	0.8
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG11	12	0.8
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG12	12	0.8
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG13	12	0.8
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG11	12	0.8
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG12	12	0.8
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG13	12	0.8
(1,1366)	1:59:A:GLU:HB2	1:60:A:VAL:HG21	6	0.8
(1,1366)	1:59:A:GLU:HB2	1:60:A:VAL:HG22	6	0.8
(1,1366)	1:59:A:GLU:HB2	1:60:A:VAL:HG23	6	0.8
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG21	8	0.8
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG22	8	0.8
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG23	8	0.8
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG21	8	0.8
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG22	8	0.8
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG23	8	0.8
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG21	8	0.8
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG22	8	0.8
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG23	8	0.8
(1,1303)	1:22:A:VAL:HG21	1:23:A:VAL:HB	18	0.8
(1,1303)	1:22:A:VAL:HG22	1:23:A:VAL:HB	18	0.8
(1,1303)	1:22:A:VAL:HG23	1:23:A:VAL:HB	18	0.8
(1,1297)	1:22:A:VAL:HG21	1:23:A:VAL:H	18	0.8
(1,1297)	1:22:A:VAL:HG22	1:23:A:VAL:H	18	0.8
(1,1297)	1:22:A:VAL:HG23	1:23:A:VAL:H	18	0.8
(1,1276)	1:119:A:VAL:HG21	1:120:A:ARG:H	9	0.8
(1,1276)	1:119:A:VAL:HG22	1:120:A:ARG:H	9	0.8
(1,1276)	1:119:A:VAL:HG23	1:120:A:ARG:H	9	0.8
(1,1237)	1:108:A:LEU:HA	1:108:A:LEU:HD21	8	0.8
(1,1237)	1:108:A:LEU:HA	1:108:A:LEU:HD22	8	0.8
(1,1237)	1:108:A:LEU:HA	1:108:A:LEU:HD23	8	0.8
(1,1237)	1:108:A:LEU:HA	1:108:A:LEU:HD21	16	0.8
(1,1237)	1:108:A:LEU:HA	1:108:A:LEU:HD22	16	0.8
(1,1237)	1:108:A:LEU:HA	1:108:A:LEU:HD23	16	0.8
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB1	19	0.8
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB2	19	0.8
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB3	19	0.8
(1,1031)	1:26:A:LEU:HD11	1:32:A:PHE:HZ	1	0.8
(1,1031)	1:26:A:LEU:HD12	1:32:A:PHE:HZ	1	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1031)	1:26:A:LEU:HD13	1:32:A:PHE:HZ	1	0.8
(1,952)	1:18:A:GLU:HB2	1:24:A:LYS:HG2	5	0.8
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG11	7	0.8
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG12	7	0.8
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG13	7	0.8
(1,825)	1:7:A:PHE:HB3	1:111:A:ILE:HG12	18	0.8
(1,740)	1:2:A:ARG:HG3	1:16:A:LEU:H	6	0.8
(1,715)	1:87:A:ASP:HB2	1:88:A:LYS:HD2	8	0.8
(1,704)	1:81:A:LYS:HD2	1:89:A:ILE:HD11	7	0.8
(1,704)	1:81:A:LYS:HD2	1:89:A:ILE:HD12	7	0.8
(1,704)	1:81:A:LYS:HD2	1:89:A:ILE:HD13	7	0.8
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG21	5	0.8
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG22	5	0.8
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG23	5	0.8
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG21	5	0.8
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG22	5	0.8
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG23	5	0.8
(1,609)	1:58:A:ARG:HA	1:59:A:GLU:HB3	13	0.8
(1,400)	1:21:A:GLU:HG2	1:25:A:LEU:HD11	12	0.8
(1,400)	1:21:A:GLU:HG2	1:25:A:LEU:HD12	12	0.8
(1,400)	1:21:A:GLU:HG2	1:25:A:LEU:HD13	12	0.8
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG2	7	0.8
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG3	7	0.8
(1,251)	1:17:A:ASN:HA	1:18:A:GLU:HG2	20	0.8
(1,42)	1:63:A:ILE:HG13	1:80:A:GLY:HA2	14	0.8
(1,42)	1:63:A:ILE:HG13	1:80:A:GLY:HA2	17	0.8
(1,42)	1:63:A:ILE:HG13	1:80:A:GLY:HA2	18	0.8
(1,42)	1:63:A:ILE:HG13	1:80:A:GLY:HA2	19	0.8
(1,2877)	1:69:A:TRP:HD1	1:70:A:PRO:HD3	14	0.79
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG11	12	0.79
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG12	12	0.79
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG13	12	0.79
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG11	12	0.79
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG12	12	0.79
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG13	12	0.79
(1,2843)	1:26:A:LEU:HD11	1:32:A:PHE:HE1	15	0.79
(1,2843)	1:26:A:LEU:HD11	1:32:A:PHE:HE2	15	0.79
(1,2843)	1:26:A:LEU:HD12	1:32:A:PHE:HE1	15	0.79
(1,2843)	1:26:A:LEU:HD12	1:32:A:PHE:HE2	15	0.79
(1,2843)	1:26:A:LEU:HD13	1:32:A:PHE:HE1	15	0.79
(1,2843)	1:26:A:LEU:HD13	1:32:A:PHE:HE2	15	0.79
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG11	7	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG12	7	0.79
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG13	7	0.79
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG11	7	0.79
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG12	7	0.79
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG13	7	0.79
(1,2773)	1:79:A:PHE:HD1	1:109:A:LYS:HD3	13	0.79
(1,2773)	1:79:A:PHE:HD2	1:109:A:LYS:HD3	13	0.79
(1,2744)	1:7:A:PHE:HB3	1:10:A:GLY:H	19	0.79
(1,2619)	1:26:A:LEU:HD11	1:49:A:VAL:H	18	0.79
(1,2619)	1:26:A:LEU:HD12	1:49:A:VAL:H	18	0.79
(1,2619)	1:26:A:LEU:HD13	1:49:A:VAL:H	18	0.79
(1,2603)	1:33:A:GLU:HG3	1:34:A:SER:H	14	0.79
(1,2603)	1:33:A:GLU:HG3	1:34:A:SER:H	19	0.79
(1,2537)	1:19:A:GLU:H	1:19:A:GLU:HB3	3	0.79
(1,2445)	1:32:A:PHE:HB3	1:33:A:GLU:H	11	0.79
(1,2445)	1:32:A:PHE:HB3	1:33:A:GLU:H	18	0.79
(1,2358)	1:31:A:PRO:HB2	1:121:A:PHE:H	6	0.79
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG21	5	0.79
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG22	5	0.79
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG23	5	0.79
(1,2080)	1:56:A:ASN:HB2	1:97:A:VAL:H	10	0.79
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG11	8	0.79
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG12	8	0.79
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG13	8	0.79
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG11	11	0.79
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG12	11	0.79
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG13	11	0.79
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG11	20	0.79
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG12	20	0.79
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG13	20	0.79
(1,1483)	1:53:A:LYS:HG3	1:55:A:GLU:HA	8	0.79
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG11	9	0.79
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG12	9	0.79
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG13	9	0.79
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG11	9	0.79
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG12	9	0.79
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG13	9	0.79
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG11	9	0.79
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG12	9	0.79
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG13	9	0.79
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG11	9	0.79
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG12	9	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG13	9	0.79
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG11	9	0.79
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG12	9	0.79
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG13	9	0.79
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG11	9	0.79
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG12	9	0.79
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG13	9	0.79
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG21	16	0.79
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG22	16	0.79
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG23	16	0.79
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG21	16	0.79
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG22	16	0.79
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG23	16	0.79
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG21	16	0.79
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG22	16	0.79
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG23	16	0.79
(1,1276)	1:119:A:VAL:HG21	1:120:A:ARG:H	17	0.79
(1,1276)	1:119:A:VAL:HG22	1:120:A:ARG:H	17	0.79
(1,1276)	1:119:A:VAL:HG23	1:120:A:ARG:H	17	0.79
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG21	18	0.79
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG22	18	0.79
(1,1267)	1:3:A:VAL:HB	1:119:A:VAL:HG23	18	0.79
(1,1139)	1:49:A:VAL:HG21	1:50:A:ASN:HA	4	0.79
(1,1139)	1:49:A:VAL:HG22	1:50:A:ASN:HA	4	0.79
(1,1139)	1:49:A:VAL:HG23	1:50:A:ASN:HA	4	0.79
(1,1139)	1:49:A:VAL:HG21	1:50:A:ASN:HA	16	0.79
(1,1139)	1:49:A:VAL:HG22	1:50:A:ASN:HA	16	0.79
(1,1139)	1:49:A:VAL:HG23	1:50:A:ASN:HA	16	0.79
(1,1063)	1:22:A:VAL:HA	1:25:A:LEU:HD11	5	0.79
(1,1063)	1:22:A:VAL:HA	1:25:A:LEU:HD12	5	0.79
(1,1063)	1:22:A:VAL:HA	1:25:A:LEU:HD13	5	0.79
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG11	18	0.79
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG12	18	0.79
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG13	18	0.79
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG11	18	0.79
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG12	18	0.79
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG13	18	0.79
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG11	18	0.79
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG12	18	0.79
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG13	18	0.79
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD21	15	0.79
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD22	15	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD23	15	0.79
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD21	15	0.79
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD22	15	0.79
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD23	15	0.79
(1,888)	1:77:A:LEU:HD11	1:108:A:LEU:HB3	19	0.79
(1,888)	1:77:A:LEU:HD12	1:108:A:LEU:HB3	19	0.79
(1,888)	1:77:A:LEU:HD13	1:108:A:LEU:HB3	19	0.79
(1,831)	1:108:A:LEU:HD21	1:111:A:ILE:HG12	1	0.79
(1,831)	1:108:A:LEU:HD22	1:111:A:ILE:HG12	1	0.79
(1,831)	1:108:A:LEU:HD23	1:111:A:ILE:HG12	1	0.79
(1,740)	1:2:A:ARG:HG3	1:16:A:LEU:H	2	0.79
(1,681)	1:63:A:ILE:HG13	1:79:A:PHE:HA	20	0.79
(1,549)	1:62:A:GLU:HB3	1:65:A:ASP:HB3	4	0.79
(1,513)	1:61:A:VAL:HB	1:78:A:PHE:HB3	6	0.79
(1,505)	1:23:A:VAL:HG21	1:27:A:LYS:HB2	17	0.79
(1,505)	1:23:A:VAL:HG22	1:27:A:LYS:HB2	17	0.79
(1,505)	1:23:A:VAL:HG23	1:27:A:LYS:HB2	17	0.79
(1,458)	1:102:A:VAL:HG21	1:103:A:GLU:HB2	8	0.79
(1,458)	1:102:A:VAL:HG22	1:103:A:GLU:HB2	8	0.79
(1,458)	1:102:A:VAL:HG23	1:103:A:GLU:HB2	8	0.79
(1,355)	1:102:A:VAL:HG21	1:103:A:GLU:HG3	10	0.79
(1,355)	1:102:A:VAL:HG22	1:103:A:GLU:HG3	10	0.79
(1,355)	1:102:A:VAL:HG23	1:103:A:GLU:HG3	10	0.79
(1,343)	1:41:A:GLU:HG2	1:79:A:PHE:HE1	10	0.79
(1,343)	1:41:A:GLU:HG2	1:79:A:PHE:HE2	10	0.79
(1,80)	1:2:A:ARG:HD2	1:15:A:ASP:HB3	6	0.79
(1,2744)	1:7:A:PHE:HB3	1:10:A:GLY:H	8	0.78
(1,2549)	1:109:A:LYS:HG2	1:110:A:LYS:H	14	0.78
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG11	11	0.78
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG12	11	0.78
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG13	11	0.78
(1,2445)	1:32:A:PHE:HB3	1:33:A:GLU:H	5	0.78
(1,2320)	1:96:A:ASN:H	1:96:A:ASN:HD22	3	0.78
(1,2320)	1:96:A:ASN:H	1:96:A:ASN:HD22	18	0.78
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG21	13	0.78
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG22	13	0.78
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG23	13	0.78
(1,2010)	1:108:A:LEU:HD21	1:111:A:ILE:HD11	13	0.78
(1,2010)	1:108:A:LEU:HD21	1:111:A:ILE:HD12	13	0.78
(1,2010)	1:108:A:LEU:HD21	1:111:A:ILE:HD13	13	0.78
(1,2010)	1:108:A:LEU:HD22	1:111:A:ILE:HD11	13	0.78
(1,2010)	1:108:A:LEU:HD22	1:111:A:ILE:HD12	13	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2010)	1:108:A:LEU:HD22	1:111:A:ILE:HD13	13	0.78
(1,2010)	1:108:A:LEU:HD23	1:111:A:ILE:HD11	13	0.78
(1,2010)	1:108:A:LEU:HD23	1:111:A:ILE:HD12	13	0.78
(1,2010)	1:108:A:LEU:HD23	1:111:A:ILE:HD13	13	0.78
(1,1935)	1:120:A:ARG:HA	1:121:A:PHE:HB3	18	0.78
(1,1483)	1:53:A:LYS:HG3	1:55:A:GLU:HA	2	0.78
(1,1435)	1:118:A:ALA:HB1	1:120:A:ARG:HG3	16	0.78
(1,1435)	1:118:A:ALA:HB2	1:120:A:ARG:HG3	16	0.78
(1,1435)	1:118:A:ALA:HB3	1:120:A:ARG:HG3	16	0.78
(1,1381)	1:61:A:VAL:HG21	1:97:A:VAL:HG11	8	0.78
(1,1381)	1:61:A:VAL:HG21	1:97:A:VAL:HG12	8	0.78
(1,1381)	1:61:A:VAL:HG21	1:97:A:VAL:HG13	8	0.78
(1,1381)	1:61:A:VAL:HG22	1:97:A:VAL:HG11	8	0.78
(1,1381)	1:61:A:VAL:HG22	1:97:A:VAL:HG12	8	0.78
(1,1381)	1:61:A:VAL:HG22	1:97:A:VAL:HG13	8	0.78
(1,1381)	1:61:A:VAL:HG23	1:97:A:VAL:HG11	8	0.78
(1,1381)	1:61:A:VAL:HG23	1:97:A:VAL:HG12	8	0.78
(1,1381)	1:61:A:VAL:HG23	1:97:A:VAL:HG13	8	0.78
(1,1351)	1:13:A:VAL:HA	1:14:A:ILE:HG13	3	0.78
(1,1351)	1:13:A:VAL:HA	1:14:A:ILE:HG13	5	0.78
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG21	17	0.78
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG22	17	0.78
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG23	17	0.78
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG21	17	0.78
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG22	17	0.78
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG23	17	0.78
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG21	17	0.78
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG22	17	0.78
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG23	17	0.78
(1,1036)	1:26:A:LEU:HD11	1:48:A:PRO:HG3	3	0.78
(1,1036)	1:26:A:LEU:HD12	1:48:A:PRO:HG3	3	0.78
(1,1036)	1:26:A:LEU:HD13	1:48:A:PRO:HG3	3	0.78
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD21	16	0.78
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD22	16	0.78
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD23	16	0.78
(1,887)	1:43:A:ILE:HD11	1:77:A:LEU:HD11	16	0.78
(1,887)	1:43:A:ILE:HD11	1:77:A:LEU:HD12	16	0.78
(1,887)	1:43:A:ILE:HD11	1:77:A:LEU:HD13	16	0.78
(1,887)	1:43:A:ILE:HD12	1:77:A:LEU:HD11	16	0.78
(1,887)	1:43:A:ILE:HD12	1:77:A:LEU:HD12	16	0.78
(1,887)	1:43:A:ILE:HD12	1:77:A:LEU:HD13	16	0.78
(1,887)	1:43:A:ILE:HD13	1:77:A:LEU:HD11	16	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,887)	1:43:A:ILE:HD13	1:77:A:LEU:HD12	16	0.78
(1,887)	1:43:A:ILE:HD13	1:77:A:LEU:HD13	16	0.78
(1,854)	1:61:A:VAL:HG21	1:91:A:PRO:HG2	3	0.78
(1,854)	1:61:A:VAL:HG22	1:91:A:PRO:HG2	3	0.78
(1,854)	1:61:A:VAL:HG23	1:91:A:PRO:HG2	3	0.78
(1,854)	1:61:A:VAL:HG21	1:91:A:PRO:HG2	13	0.78
(1,854)	1:61:A:VAL:HG22	1:91:A:PRO:HG2	13	0.78
(1,854)	1:61:A:VAL:HG23	1:91:A:PRO:HG2	13	0.78
(1,825)	1:7:A:PHE:HB3	1:111:A:ILE:HG12	3	0.78
(1,609)	1:58:A:ARG:HA	1:59:A:GLU:HB3	10	0.78
(1,2894)	1:39:A:TRP:HZ3	1:84:A:MET:HB3	18	0.77
(1,2744)	1:7:A:PHE:HB3	1:10:A:GLY:H	5	0.77
(1,2744)	1:7:A:PHE:HB3	1:10:A:GLY:H	13	0.77
(1,2603)	1:33:A:GLU:HG3	1:34:A:SER:H	5	0.77
(1,2537)	1:19:A:GLU:H	1:19:A:GLU:HB3	19	0.77
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG11	1	0.77
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG12	1	0.77
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG13	1	0.77
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG11	3	0.77
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG12	3	0.77
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG13	3	0.77
(1,2358)	1:31:A:PRO:HB2	1:121:A:PHE:H	18	0.77
(1,2255)	1:22:A:VAL:HG11	1:51:A:VAL:H	5	0.77
(1,2255)	1:22:A:VAL:HG12	1:51:A:VAL:H	5	0.77
(1,2255)	1:22:A:VAL:HG13	1:51:A:VAL:H	5	0.77
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG11	11	0.77
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG12	11	0.77
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG13	11	0.77
(1,1966)	1:2:A:ARG:HG3	1:15:A:ASP:HA	2	0.77
(1,1711)	1:61:A:VAL:HG11	1:78:A:PHE:HB3	2	0.77
(1,1711)	1:61:A:VAL:HG12	1:78:A:PHE:HB3	2	0.77
(1,1711)	1:61:A:VAL:HG13	1:78:A:PHE:HB3	2	0.77
(1,1598)	1:14:A:ILE:HA	1:102:A:VAL:HG21	10	0.77
(1,1598)	1:14:A:ILE:HA	1:102:A:VAL:HG22	10	0.77
(1,1598)	1:14:A:ILE:HA	1:102:A:VAL:HG23	10	0.77
(1,1380)	1:58:A:ARG:HG2	1:97:A:VAL:HG11	19	0.77
(1,1380)	1:58:A:ARG:HG2	1:97:A:VAL:HG12	19	0.77
(1,1380)	1:58:A:ARG:HG2	1:97:A:VAL:HG13	19	0.77
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG11	18	0.77
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG12	18	0.77
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG13	18	0.77
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG11	18	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG12	18	0.77
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG13	18	0.77
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG11	18	0.77
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG12	18	0.77
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG13	18	0.77
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG11	18	0.77
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG12	18	0.77
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG13	18	0.77
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG11	18	0.77
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG12	18	0.77
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG13	18	0.77
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG11	18	0.77
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG12	18	0.77
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG13	18	0.77
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG21	1	0.77
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG22	1	0.77
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG23	1	0.77
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG21	1	0.77
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG22	1	0.77
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG23	1	0.77
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG21	1	0.77
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG22	1	0.77
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG23	1	0.77
(1,1297)	1:22:A:VAL:HG21	1:23:A:VAL:H	16	0.77
(1,1297)	1:22:A:VAL:HG22	1:23:A:VAL:H	16	0.77
(1,1297)	1:22:A:VAL:HG23	1:23:A:VAL:H	16	0.77
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG21	20	0.77
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG22	20	0.77
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG23	20	0.77
(1,1272)	1:51:A:VAL:HG11	1:53:A:LYS:H	17	0.77
(1,1272)	1:51:A:VAL:HG12	1:53:A:LYS:H	17	0.77
(1,1272)	1:51:A:VAL:HG13	1:53:A:LYS:H	17	0.77
(1,1237)	1:108:A:LEU:HA	1:108:A:LEU:HD21	5	0.77
(1,1237)	1:108:A:LEU:HA	1:108:A:LEU:HD22	5	0.77
(1,1237)	1:108:A:LEU:HA	1:108:A:LEU:HD23	5	0.77
(1,1235)	1:107:A:ASP:HA	1:108:A:LEU:HD21	12	0.77
(1,1235)	1:107:A:ASP:HA	1:108:A:LEU:HD22	12	0.77
(1,1235)	1:107:A:ASP:HA	1:108:A:LEU:HD23	12	0.77
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB1	3	0.77
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB2	3	0.77
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB3	3	0.77
(1,1055)	1:26:A:LEU:HD11	1:29:A:LYS:H	15	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1055)	1:26:A:LEU:HD12	1:29:A:LYS:H	15	0.77
(1,1055)	1:26:A:LEU:HD13	1:29:A:LYS:H	15	0.77
(1,1039)	1:26:A:LEU:HD11	1:47:A:THR:HA	3	0.77
(1,1039)	1:26:A:LEU:HD12	1:47:A:THR:HA	3	0.77
(1,1039)	1:26:A:LEU:HD13	1:47:A:THR:HA	3	0.77
(1,1031)	1:26:A:LEU:HD11	1:32:A:PHE:HZ	4	0.77
(1,1031)	1:26:A:LEU:HD12	1:32:A:PHE:HZ	4	0.77
(1,1031)	1:26:A:LEU:HD13	1:32:A:PHE:HZ	4	0.77
(1,946)	1:16:A:LEU:HD11	1:23:A:VAL:HA	17	0.77
(1,946)	1:16:A:LEU:HD12	1:23:A:VAL:HA	17	0.77
(1,946)	1:16:A:LEU:HD13	1:23:A:VAL:HA	17	0.77
(1,887)	1:43:A:ILE:HD11	1:77:A:LEU:HD11	9	0.77
(1,887)	1:43:A:ILE:HD11	1:77:A:LEU:HD12	9	0.77
(1,887)	1:43:A:ILE:HD11	1:77:A:LEU:HD13	9	0.77
(1,887)	1:43:A:ILE:HD12	1:77:A:LEU:HD11	9	0.77
(1,887)	1:43:A:ILE:HD12	1:77:A:LEU:HD12	9	0.77
(1,887)	1:43:A:ILE:HD12	1:77:A:LEU:HD13	9	0.77
(1,887)	1:43:A:ILE:HD13	1:77:A:LEU:HD11	9	0.77
(1,887)	1:43:A:ILE:HD13	1:77:A:LEU:HD12	9	0.77
(1,887)	1:43:A:ILE:HD13	1:77:A:LEU:HD13	9	0.77
(1,840)	1:4:A:GLU:H	1:5:A:LEU:HD11	4	0.77
(1,840)	1:4:A:GLU:H	1:5:A:LEU:HD12	4	0.77
(1,840)	1:4:A:GLU:H	1:5:A:LEU:HD13	4	0.77
(1,811)	1:6:A:LEU:HG	1:7:A:PHE:HD2	1	0.77
(1,797)	1:106:A:GLU:H	1:108:A:LEU:HD11	6	0.77
(1,797)	1:106:A:GLU:H	1:108:A:LEU:HD12	6	0.77
(1,797)	1:106:A:GLU:H	1:108:A:LEU:HD13	6	0.77
(1,794)	1:77:A:LEU:HD11	1:108:A:LEU:HD11	6	0.77
(1,794)	1:77:A:LEU:HD11	1:108:A:LEU:HD12	6	0.77
(1,794)	1:77:A:LEU:HD11	1:108:A:LEU:HD13	6	0.77
(1,794)	1:77:A:LEU:HD12	1:108:A:LEU:HD11	6	0.77
(1,794)	1:77:A:LEU:HD12	1:108:A:LEU:HD12	6	0.77
(1,794)	1:77:A:LEU:HD12	1:108:A:LEU:HD13	6	0.77
(1,794)	1:77:A:LEU:HD13	1:108:A:LEU:HD11	6	0.77
(1,794)	1:77:A:LEU:HD13	1:108:A:LEU:HD12	6	0.77
(1,794)	1:77:A:LEU:HD13	1:108:A:LEU:HD13	6	0.77
(1,761)	1:5:A:LEU:HD21	1:14:A:ILE:HG13	1	0.77
(1,761)	1:5:A:LEU:HD22	1:14:A:ILE:HG13	1	0.77
(1,761)	1:5:A:LEU:HD23	1:14:A:ILE:HG13	1	0.77
(1,730)	1:7:A:PHE:HE1	1:77:A:LEU:HG	2	0.77
(1,704)	1:81:A:LYS:HD2	1:89:A:ILE:HD11	14	0.77
(1,704)	1:81:A:LYS:HD2	1:89:A:ILE:HD12	14	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,704)	1:81:A:LYS:HD2	1:89:A:ILE:HD13	14	0.77
(1,609)	1:58:A:ARG:HA	1:59:A:GLU:HB3	8	0.77
(1,521)	1:51:A:VAL:HG11	1:53:A:LYS:HB2	18	0.77
(1,521)	1:51:A:VAL:HG12	1:53:A:LYS:HB2	18	0.77
(1,521)	1:51:A:VAL:HG13	1:53:A:LYS:HB2	18	0.77
(1,386)	1:61:A:VAL:HG11	1:62:A:GLU:HG2	6	0.77
(1,386)	1:61:A:VAL:HG12	1:62:A:GLU:HG2	6	0.77
(1,386)	1:61:A:VAL:HG13	1:62:A:GLU:HG2	6	0.77
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG2	17	0.77
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG3	17	0.77
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG2	20	0.77
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG3	20	0.77
(1,348)	1:54:A:MET:HB3	1:57:A:PRO:HG3	11	0.77
(1,145)	1:65:A:ASP:HB3	1:66:A:VAL:HG21	6	0.77
(1,145)	1:65:A:ASP:HB3	1:66:A:VAL:HG22	6	0.77
(1,145)	1:65:A:ASP:HB3	1:66:A:VAL:HG23	6	0.77
(1,133)	1:109:A:LYS:HA	1:109:A:LYS:HE3	15	0.77
(1,124)	1:112:A:LYS:HA	1:112:A:LYS:HE2	2	0.77
(1,42)	1:63:A:ILE:HG13	1:80:A:GLY:HA2	8	0.77
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA2	19	0.77
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA3	19	0.77
(1,2894)	1:39:A:TRP:HZ3	1:84:A:MET:HB3	17	0.76
(1,2877)	1:69:A:TRP:HD1	1:70:A:PRO:HD3	9	0.76
(1,2722)	1:61:A:VAL:HG21	1:95:A:VAL:H	11	0.76
(1,2722)	1:61:A:VAL:HG22	1:95:A:VAL:H	11	0.76
(1,2722)	1:61:A:VAL:HG23	1:95:A:VAL:H	11	0.76
(1,2445)	1:32:A:PHE:HB3	1:33:A:GLU:H	10	0.76
(1,2445)	1:32:A:PHE:HB3	1:33:A:GLU:H	12	0.76
(1,2080)	1:56:A:ASN:HB2	1:97:A:VAL:H	16	0.76
(1,2024)	1:54:A:MET:HG3	1:96:A:ASN:HA	8	0.76
(1,2016)	1:54:A:MET:HB3	1:96:A:ASN:HA	10	0.76
(1,1760)	1:31:A:PRO:HB3	1:32:A:PHE:HA	4	0.76
(1,1598)	1:14:A:ILE:HA	1:102:A:VAL:HG21	14	0.76
(1,1598)	1:14:A:ILE:HA	1:102:A:VAL:HG22	14	0.76
(1,1598)	1:14:A:ILE:HA	1:102:A:VAL:HG23	14	0.76
(1,1293)	1:13:A:VAL:HG11	1:103:A:GLU:HB3	9	0.76
(1,1293)	1:13:A:VAL:HG12	1:103:A:GLU:HB3	9	0.76
(1,1293)	1:13:A:VAL:HG13	1:103:A:GLU:HB3	9	0.76
(1,1084)	1:15:A:ASP:HB2	1:16:A:LEU:HD21	14	0.76
(1,1084)	1:15:A:ASP:HB2	1:16:A:LEU:HD22	14	0.76
(1,1084)	1:15:A:ASP:HB2	1:16:A:LEU:HD23	14	0.76
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD21	18	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD22	18	0.76
(1,991)	1:68:A:TYR:HB2	1:75:A:LEU:HD23	18	0.76
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD21	18	0.76
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD22	18	0.76
(1,991)	1:68:A:TYR:HB3	1:75:A:LEU:HD23	18	0.76
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD11	1	0.76
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD12	1	0.76
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD13	1	0.76
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD11	1	0.76
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD12	1	0.76
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD13	1	0.76
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG11	12	0.76
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG12	12	0.76
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG13	12	0.76
(1,854)	1:61:A:VAL:HG21	1:91:A:PRO:HG2	5	0.76
(1,854)	1:61:A:VAL:HG22	1:91:A:PRO:HG2	5	0.76
(1,854)	1:61:A:VAL:HG23	1:91:A:PRO:HG2	5	0.76
(1,826)	1:7:A:PHE:HD1	1:111:A:ILE:HG12	10	0.76
(1,825)	1:7:A:PHE:HB3	1:111:A:ILE:HG12	13	0.76
(1,811)	1:6:A:LEU:HG	1:7:A:PHE:HD2	2	0.76
(1,788)	1:105:A:LEU:HA	1:108:A:LEU:HD11	13	0.76
(1,788)	1:105:A:LEU:HA	1:108:A:LEU:HD12	13	0.76
(1,788)	1:105:A:LEU:HA	1:108:A:LEU:HD13	13	0.76
(1,703)	1:81:A:LYS:HD2	1:85:A:SER:HB2	6	0.76
(1,703)	1:81:A:LYS:HD2	1:85:A:SER:HB2	15	0.76
(1,681)	1:63:A:ILE:HG13	1:79:A:PHE:HA	5	0.76
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG21	15	0.76
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG22	15	0.76
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG23	15	0.76
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG21	15	0.76
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG22	15	0.76
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG23	15	0.76
(1,612)	1:1:A:MET:HG2	1:16:A:LEU:HB3	14	0.76
(1,609)	1:58:A:ARG:HA	1:59:A:GLU:HB3	12	0.76
(1,549)	1:62:A:GLU:HB3	1:65:A:ASP:HB3	18	0.76
(1,386)	1:61:A:VAL:HG11	1:62:A:GLU:HG2	20	0.76
(1,386)	1:61:A:VAL:HG12	1:62:A:GLU:HG2	20	0.76
(1,386)	1:61:A:VAL:HG13	1:62:A:GLU:HG2	20	0.76
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG11	13	0.76
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG12	13	0.76
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG13	13	0.76
(1,251)	1:17:A:ASN:HA	1:18:A:GLU:HG2	18	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA2	1	0.76
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA3	1	0.76
(1,2887)	1:69:A:TRP:HZ3	1:72:A:GLY:HA2	4	0.75
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG11	9	0.75
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG12	9	0.75
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG13	9	0.75
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG11	9	0.75
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG12	9	0.75
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG13	9	0.75
(1,2781)	1:65:A:ASP:HB3	1:78:A:PHE:HD1	6	0.75
(1,2781)	1:65:A:ASP:HB3	1:78:A:PHE:HD2	6	0.75
(1,2631)	1:105:A:LEU:HB2	1:106:A:GLU:H	1	0.75
(1,2115)	1:2:A:ARG:HG3	1:3:A:VAL:H	16	0.75
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG11	8	0.75
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG12	8	0.75
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG13	8	0.75
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG11	4	0.75
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG12	4	0.75
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG13	4	0.75
(1,2016)	1:54:A:MET:HB3	1:96:A:ASN:HA	18	0.75
(1,1876)	1:60:A:VAL:HG11	1:88:A:LYS:HA	16	0.75
(1,1876)	1:60:A:VAL:HG12	1:88:A:LYS:HA	16	0.75
(1,1876)	1:60:A:VAL:HG13	1:88:A:LYS:HA	16	0.75
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG21	1	0.75
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG22	1	0.75
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG23	1	0.75
(1,1711)	1:61:A:VAL:HG11	1:78:A:PHE:HB3	1	0.75
(1,1711)	1:61:A:VAL:HG12	1:78:A:PHE:HB3	1	0.75
(1,1711)	1:61:A:VAL:HG13	1:78:A:PHE:HB3	1	0.75
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG21	9	0.75
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG22	9	0.75
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG23	9	0.75
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG21	9	0.75
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG22	9	0.75
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG23	9	0.75
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG21	9	0.75
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG22	9	0.75
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG23	9	0.75
(1,1276)	1:119:A:VAL:HG21	1:120:A:ARG:H	3	0.75
(1,1276)	1:119:A:VAL:HG22	1:120:A:ARG:H	3	0.75
(1,1276)	1:119:A:VAL:HG23	1:120:A:ARG:H	3	0.75
(1,1200)	1:61:A:VAL:HG21	1:95:A:VAL:HG11	6	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1200)	1:61:A:VAL:HG21	1:95:A:VAL:HG12	6	0.75
(1,1200)	1:61:A:VAL:HG21	1:95:A:VAL:HG13	6	0.75
(1,1200)	1:61:A:VAL:HG22	1:95:A:VAL:HG11	6	0.75
(1,1200)	1:61:A:VAL:HG22	1:95:A:VAL:HG12	6	0.75
(1,1200)	1:61:A:VAL:HG22	1:95:A:VAL:HG13	6	0.75
(1,1200)	1:61:A:VAL:HG23	1:95:A:VAL:HG11	6	0.75
(1,1200)	1:61:A:VAL:HG23	1:95:A:VAL:HG12	6	0.75
(1,1200)	1:61:A:VAL:HG23	1:95:A:VAL:HG13	6	0.75
(1,1188)	1:69:A:TRP:HE1	1:95:A:VAL:HG11	19	0.75
(1,1188)	1:69:A:TRP:HE1	1:95:A:VAL:HG12	19	0.75
(1,1188)	1:69:A:TRP:HE1	1:95:A:VAL:HG13	19	0.75
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB1	2	0.75
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB2	2	0.75
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB3	2	0.75
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD21	13	0.75
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD22	13	0.75
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD23	13	0.75
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD21	14	0.75
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD22	14	0.75
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD23	14	0.75
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD21	14	0.75
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD22	14	0.75
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD23	14	0.75
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD21	14	0.75
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD22	14	0.75
(1,960)	1:101:A:ILE:H	1:105:A:LEU:HD23	14	0.75
(1,854)	1:61:A:VAL:HG21	1:91:A:PRO:HG2	16	0.75
(1,854)	1:61:A:VAL:HG22	1:91:A:PRO:HG2	16	0.75
(1,854)	1:61:A:VAL:HG23	1:91:A:PRO:HG2	16	0.75
(1,840)	1:4:A:GLU:H	1:5:A:LEU:HD11	2	0.75
(1,840)	1:4:A:GLU:H	1:5:A:LEU:HD12	2	0.75
(1,840)	1:4:A:GLU:H	1:5:A:LEU:HD13	2	0.75
(1,831)	1:108:A:LEU:HD21	1:111:A:ILE:HG12	13	0.75
(1,831)	1:108:A:LEU:HD22	1:111:A:ILE:HG12	13	0.75
(1,831)	1:108:A:LEU:HD23	1:111:A:ILE:HG12	13	0.75
(1,789)	1:79:A:PHE:HB3	1:108:A:LEU:HD11	6	0.75
(1,789)	1:79:A:PHE:HB3	1:108:A:LEU:HD12	6	0.75
(1,789)	1:79:A:PHE:HB3	1:108:A:LEU:HD13	6	0.75
(1,789)	1:79:A:PHE:HB3	1:108:A:LEU:HD11	13	0.75
(1,789)	1:79:A:PHE:HB3	1:108:A:LEU:HD12	13	0.75
(1,789)	1:79:A:PHE:HB3	1:108:A:LEU:HD13	13	0.75
(1,730)	1:7:A:PHE:HE1	1:77:A:LEU:HG	1	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,716)	1:39:A:TRP:HB3	1:42:A:GLU:HB2	12	0.75
(1,609)	1:58:A:ARG:HA	1:59:A:GLU:HB3	1	0.75
(1,589)	1:18:A:GLU:HG3	1:23:A:VAL:HB	10	0.75
(1,535)	1:23:A:VAL:H	1:24:A:LYS:HB3	3	0.75
(1,471)	1:52:A:GLN:HG2	1:70:A:PRO:HB3	6	0.75
(1,471)	1:52:A:GLN:HG3	1:70:A:PRO:HB3	6	0.75
(1,400)	1:21:A:GLU:HG2	1:25:A:LEU:HD11	9	0.75
(1,400)	1:21:A:GLU:HG2	1:25:A:LEU:HD12	9	0.75
(1,400)	1:21:A:GLU:HG2	1:25:A:LEU:HD13	9	0.75
(1,400)	1:21:A:GLU:HG2	1:25:A:LEU:HD11	13	0.75
(1,400)	1:21:A:GLU:HG2	1:25:A:LEU:HD12	13	0.75
(1,400)	1:21:A:GLU:HG2	1:25:A:LEU:HD13	13	0.75
(1,386)	1:61:A:VAL:HG11	1:62:A:GLU:HG2	3	0.75
(1,386)	1:61:A:VAL:HG12	1:62:A:GLU:HG2	3	0.75
(1,386)	1:61:A:VAL:HG13	1:62:A:GLU:HG2	3	0.75
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG2	16	0.75
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG3	16	0.75
(1,180)	1:22:A:VAL:HG11	1:25:A:LEU:HB3	8	0.75
(1,180)	1:22:A:VAL:HG12	1:25:A:LEU:HB3	8	0.75
(1,180)	1:22:A:VAL:HG13	1:25:A:LEU:HB3	8	0.75
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG21	12	0.75
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG22	12	0.75
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG23	12	0.75
(1,42)	1:63:A:ILE:HG13	1:80:A:GLY:HA2	11	0.75
(1,2902)	1:20:A:TYR:HE1	1:56:A:ASN:HB3	18	0.74
(1,2902)	1:20:A:TYR:HE2	1:56:A:ASN:HB3	18	0.74
(1,2894)	1:39:A:TRP:HZ3	1:84:A:MET:HB3	3	0.74
(1,2797)	1:27:A:LYS:HG3	1:121:A:PHE:HE1	3	0.74
(1,2797)	1:27:A:LYS:HG3	1:121:A:PHE:HE2	3	0.74
(1,2603)	1:33:A:GLU:HG3	1:34:A:SER:H	1	0.74
(1,2537)	1:19:A:GLU:H	1:19:A:GLU:HB3	8	0.74
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG11	16	0.74
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG12	16	0.74
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG13	16	0.74
(1,2445)	1:32:A:PHE:HB3	1:33:A:GLU:H	3	0.74
(1,2445)	1:32:A:PHE:HB3	1:33:A:GLU:H	7	0.74
(1,2445)	1:32:A:PHE:HB3	1:33:A:GLU:H	13	0.74
(1,2445)	1:32:A:PHE:HB3	1:33:A:GLU:H	14	0.74
(1,2358)	1:31:A:PRO:HB2	1:121:A:PHE:H	9	0.74
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG21	17	0.74
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG22	17	0.74
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG23	17	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1962)	1:29:A:LYS:HA	1:30:A:ILE:HG12	6	0.74
(1,1760)	1:31:A:PRO:HB3	1:32:A:PHE:HA	17	0.74
(1,1636)	1:85:A:SER:HA	1:90:A:GLN:HG2	16	0.74
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG21	15	0.74
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG22	15	0.74
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG23	15	0.74
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG21	15	0.74
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG22	15	0.74
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG23	15	0.74
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG21	15	0.74
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG22	15	0.74
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG23	15	0.74
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG21	19	0.74
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG22	19	0.74
(1,1537)	1:61:A:VAL:HG11	1:89:A:ILE:HG23	19	0.74
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG21	19	0.74
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG22	19	0.74
(1,1537)	1:61:A:VAL:HG12	1:89:A:ILE:HG23	19	0.74
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG21	19	0.74
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG22	19	0.74
(1,1537)	1:61:A:VAL:HG13	1:89:A:ILE:HG23	19	0.74
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG11	6	0.74
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG12	6	0.74
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG13	6	0.74
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG11	6	0.74
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG12	6	0.74
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG13	6	0.74
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG11	6	0.74
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG12	6	0.74
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG13	6	0.74
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG11	14	0.74
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG12	14	0.74
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG13	14	0.74
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG11	14	0.74
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG12	14	0.74
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG13	14	0.74
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG11	14	0.74
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG12	14	0.74
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG13	14	0.74
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG11	14	0.74
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG12	14	0.74
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG13	14	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG11	14	0.74
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG12	14	0.74
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG13	14	0.74
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG11	14	0.74
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG12	14	0.74
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG13	14	0.74
(1,1276)	1:119:A:VAL:HG21	1:120:A:ARG:H	11	0.74
(1,1276)	1:119:A:VAL:HG22	1:120:A:ARG:H	11	0.74
(1,1276)	1:119:A:VAL:HG23	1:120:A:ARG:H	11	0.74
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG21	8	0.74
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG22	8	0.74
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG23	8	0.74
(1,1260)	1:60:A:VAL:HG11	1:89:A:ILE:H	3	0.74
(1,1260)	1:60:A:VAL:HG12	1:89:A:ILE:H	3	0.74
(1,1260)	1:60:A:VAL:HG13	1:89:A:ILE:H	3	0.74
(1,1238)	1:12:A:CYS:HB3	1:108:A:LEU:HD21	8	0.74
(1,1238)	1:12:A:CYS:HB3	1:108:A:LEU:HD22	8	0.74
(1,1238)	1:12:A:CYS:HB3	1:108:A:LEU:HD23	8	0.74
(1,1236)	1:12:A:CYS:HB2	1:108:A:LEU:HD21	16	0.74
(1,1236)	1:12:A:CYS:HB2	1:108:A:LEU:HD22	16	0.74
(1,1236)	1:12:A:CYS:HB2	1:108:A:LEU:HD23	16	0.74
(1,1137)	1:49:A:VAL:HG21	1:51:A:VAL:H	3	0.74
(1,1137)	1:49:A:VAL:HG22	1:51:A:VAL:H	3	0.74
(1,1137)	1:49:A:VAL:HG23	1:51:A:VAL:H	3	0.74
(1,921)	1:22:A:VAL:H	1:25:A:LEU:HD11	11	0.74
(1,921)	1:22:A:VAL:H	1:25:A:LEU:HD12	11	0.74
(1,921)	1:22:A:VAL:H	1:25:A:LEU:HD13	11	0.74
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG11	10	0.74
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG12	10	0.74
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG13	10	0.74
(1,825)	1:7:A:PHE:HB3	1:111:A:ILE:HG12	11	0.74
(1,681)	1:63:A:ILE:HG13	1:79:A:PHE:HA	8	0.74
(1,571)	1:85:A:SER:HB3	1:90:A:GLN:HB3	12	0.74
(1,556)	1:54:A:MET:HG2	1:96:A:ASN:HB2	2	0.74
(1,556)	1:54:A:MET:HG3	1:96:A:ASN:HB2	2	0.74
(1,521)	1:51:A:VAL:HG11	1:53:A:LYS:HB2	9	0.74
(1,521)	1:51:A:VAL:HG12	1:53:A:LYS:HB2	9	0.74
(1,521)	1:51:A:VAL:HG13	1:53:A:LYS:HB2	9	0.74
(1,513)	1:61:A:VAL:HB	1:78:A:PHE:HB3	18	0.74
(1,505)	1:23:A:VAL:HG21	1:27:A:LYS:HB2	19	0.74
(1,505)	1:23:A:VAL:HG22	1:27:A:LYS:HB2	19	0.74
(1,505)	1:23:A:VAL:HG23	1:27:A:LYS:HB2	19	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,495)	1:29:A:LYS:HB3	1:49:A:VAL:HG11	3	0.74
(1,495)	1:29:A:LYS:HB3	1:49:A:VAL:HG12	3	0.74
(1,495)	1:29:A:LYS:HB3	1:49:A:VAL:HG13	3	0.74
(1,477)	1:112:A:LYS:HB2	1:112:A:LYS:HE2	19	0.74
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG2	11	0.74
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG3	11	0.74
(1,358)	1:54:A:MET:HB3	1:57:A:PRO:HB3	19	0.74
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG11	4	0.74
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG12	4	0.74
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG13	4	0.74
(1,287)	1:7:A:PHE:HB2	1:8:A:GLU:HG3	4	0.74
(1,243)	1:7:A:PHE:HB2	1:115:A:GLU:HB2	15	0.74
(1,231)	1:65:A:ASP:H	1:78:A:PHE:HB3	16	0.74
(1,188)	1:104:A:GLY:HA2	1:107:A:ASP:HB2	15	0.74
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG11	3	0.73
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG12	3	0.73
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG13	3	0.73
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG11	3	0.73
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG12	3	0.73
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG13	3	0.73
(1,2744)	1:7:A:PHE:HB3	1:10:A:GLY:H	7	0.73
(1,2549)	1:109:A:LYS:HG2	1:110:A:LYS:H	15	0.73
(1,2445)	1:32:A:PHE:HB3	1:33:A:GLU:H	1	0.73
(1,2336)	1:102:A:VAL:HG21	1:103:A:GLU:H	11	0.73
(1,2336)	1:102:A:VAL:HG22	1:103:A:GLU:H	11	0.73
(1,2336)	1:102:A:VAL:HG23	1:103:A:GLU:H	11	0.73
(1,2255)	1:22:A:VAL:HG11	1:51:A:VAL:H	8	0.73
(1,2255)	1:22:A:VAL:HG12	1:51:A:VAL:H	8	0.73
(1,2255)	1:22:A:VAL:HG13	1:51:A:VAL:H	8	0.73
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG11	7	0.73
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG12	7	0.73
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG13	7	0.73
(1,2010)	1:108:A:LEU:HD21	1:111:A:ILE:HD11	1	0.73
(1,2010)	1:108:A:LEU:HD21	1:111:A:ILE:HD12	1	0.73
(1,2010)	1:108:A:LEU:HD21	1:111:A:ILE:HD13	1	0.73
(1,2010)	1:108:A:LEU:HD22	1:111:A:ILE:HD11	1	0.73
(1,2010)	1:108:A:LEU:HD22	1:111:A:ILE:HD12	1	0.73
(1,2010)	1:108:A:LEU:HD22	1:111:A:ILE:HD13	1	0.73
(1,2010)	1:108:A:LEU:HD23	1:111:A:ILE:HD11	1	0.73
(1,2010)	1:108:A:LEU:HD23	1:111:A:ILE:HD12	1	0.73
(1,2010)	1:108:A:LEU:HD23	1:111:A:ILE:HD13	1	0.73
(1,1713)	1:61:A:VAL:HG11	1:78:A:PHE:HB2	10	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1713)	1:61:A:VAL:HG12	1:78:A:PHE:HB2	10	0.73
(1,1713)	1:61:A:VAL:HG13	1:78:A:PHE:HB2	10	0.73
(1,1276)	1:119:A:VAL:HG21	1:120:A:ARG:H	16	0.73
(1,1276)	1:119:A:VAL:HG22	1:120:A:ARG:H	16	0.73
(1,1276)	1:119:A:VAL:HG23	1:120:A:ARG:H	16	0.73
(1,1272)	1:51:A:VAL:HG11	1:53:A:LYS:H	4	0.73
(1,1272)	1:51:A:VAL:HG12	1:53:A:LYS:H	4	0.73
(1,1272)	1:51:A:VAL:HG13	1:53:A:LYS:H	4	0.73
(1,1234)	1:7:A:PHE:HE1	1:108:A:LEU:HD23	14	0.73
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB1	11	0.73
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB2	11	0.73
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB3	11	0.73
(1,1021)	1:53:A:LYS:HG3	1:55:A:GLU:H	1	0.73
(1,946)	1:16:A:LEU:HD11	1:23:A:VAL:HA	5	0.73
(1,946)	1:16:A:LEU:HD12	1:23:A:VAL:HA	5	0.73
(1,946)	1:16:A:LEU:HD13	1:23:A:VAL:HA	5	0.73
(1,932)	1:105:A:LEU:HD11	1:106:A:GLU:HA	14	0.73
(1,932)	1:105:A:LEU:HD12	1:106:A:GLU:HA	14	0.73
(1,932)	1:105:A:LEU:HD13	1:106:A:GLU:HA	14	0.73
(1,932)	1:105:A:LEU:HD11	1:106:A:GLU:HA	15	0.73
(1,932)	1:105:A:LEU:HD12	1:106:A:GLU:HA	15	0.73
(1,932)	1:105:A:LEU:HD13	1:106:A:GLU:HA	15	0.73
(1,921)	1:22:A:VAL:H	1:25:A:LEU:HD11	2	0.73
(1,921)	1:22:A:VAL:H	1:25:A:LEU:HD12	2	0.73
(1,921)	1:22:A:VAL:H	1:25:A:LEU:HD13	2	0.73
(1,887)	1:43:A:ILE:HD11	1:77:A:LEU:HD11	19	0.73
(1,887)	1:43:A:ILE:HD11	1:77:A:LEU:HD12	19	0.73
(1,887)	1:43:A:ILE:HD11	1:77:A:LEU:HD13	19	0.73
(1,887)	1:43:A:ILE:HD12	1:77:A:LEU:HD11	19	0.73
(1,887)	1:43:A:ILE:HD12	1:77:A:LEU:HD12	19	0.73
(1,887)	1:43:A:ILE:HD12	1:77:A:LEU:HD13	19	0.73
(1,887)	1:43:A:ILE:HD13	1:77:A:LEU:HD11	19	0.73
(1,887)	1:43:A:ILE:HD13	1:77:A:LEU:HD12	19	0.73
(1,887)	1:43:A:ILE:HD13	1:77:A:LEU:HD13	19	0.73
(1,825)	1:7:A:PHE:HB3	1:111:A:ILE:HG12	7	0.73
(1,715)	1:87:A:ASP:HB2	1:88:A:LYS:HD2	14	0.73
(1,714)	1:21:A:GLU:HB2	1:25:A:LEU:HD11	20	0.73
(1,714)	1:21:A:GLU:HB2	1:25:A:LEU:HD12	20	0.73
(1,714)	1:21:A:GLU:HB2	1:25:A:LEU:HD13	20	0.73
(1,714)	1:21:A:GLU:HB3	1:25:A:LEU:HD11	20	0.73
(1,714)	1:21:A:GLU:HB3	1:25:A:LEU:HD12	20	0.73
(1,714)	1:21:A:GLU:HB3	1:25:A:LEU:HD13	20	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,633)	1:56:A:ASN:HB2	1:97:A:VAL:HB	8	0.73
(1,633)	1:56:A:ASN:HB2	1:97:A:VAL:HB	11	0.73
(1,609)	1:58:A:ARG:HA	1:59:A:GLU:HB3	3	0.73
(1,521)	1:51:A:VAL:HG11	1:53:A:LYS:HB2	20	0.73
(1,521)	1:51:A:VAL:HG12	1:53:A:LYS:HB2	20	0.73
(1,521)	1:51:A:VAL:HG13	1:53:A:LYS:HB2	20	0.73
(1,505)	1:23:A:VAL:HG21	1:27:A:LYS:HB2	15	0.73
(1,505)	1:23:A:VAL:HG22	1:27:A:LYS:HB2	15	0.73
(1,505)	1:23:A:VAL:HG23	1:27:A:LYS:HB2	15	0.73
(1,180)	1:22:A:VAL:HG11	1:25:A:LEU:HB3	16	0.73
(1,180)	1:22:A:VAL:HG12	1:25:A:LEU:HB3	16	0.73
(1,180)	1:22:A:VAL:HG13	1:25:A:LEU:HB3	16	0.73
(1,77)	1:2:A:ARG:HD3	1:15:A:ASP:HB3	1	0.73
(1,26)	1:104:A:GLY:HA3	1:107:A:ASP:HB2	15	0.73
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG11	7	0.72
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG12	7	0.72
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG13	7	0.72
(1,2358)	1:31:A:PRO:HB2	1:121:A:PHE:H	14	0.72
(1,2320)	1:96:A:ASN:H	1:96:A:ASN:HD22	4	0.72
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG21	6	0.72
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG22	6	0.72
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG23	6	0.72
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG21	7	0.72
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG22	7	0.72
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG23	7	0.72
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG21	15	0.72
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG22	15	0.72
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG23	15	0.72
(1,1962)	1:29:A:LYS:HA	1:30:A:ILE:HG12	11	0.72
(1,1962)	1:29:A:LYS:HA	1:30:A:ILE:HG12	15	0.72
(1,1760)	1:31:A:PRO:HB3	1:32:A:PHE:HA	13	0.72
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG21	13	0.72
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG22	13	0.72
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG23	13	0.72
(1,1711)	1:61:A:VAL:HG11	1:78:A:PHE:HB3	15	0.72
(1,1711)	1:61:A:VAL:HG12	1:78:A:PHE:HB3	15	0.72
(1,1711)	1:61:A:VAL:HG13	1:78:A:PHE:HB3	15	0.72
(1,1636)	1:85:A:SER:HA	1:90:A:GLN:HG2	3	0.72
(1,1483)	1:53:A:LYS:HG3	1:55:A:GLU:HA	5	0.72
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG11	6	0.72
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG12	6	0.72
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG13	6	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG11	6	0.72
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG12	6	0.72
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG13	6	0.72
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG11	6	0.72
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG12	6	0.72
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG13	6	0.72
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG11	6	0.72
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG12	6	0.72
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG13	6	0.72
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG11	6	0.72
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG12	6	0.72
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG13	6	0.72
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG11	6	0.72
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG12	6	0.72
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG13	6	0.72
(1,1293)	1:13:A:VAL:HG11	1:103:A:GLU:HB3	13	0.72
(1,1293)	1:13:A:VAL:HG12	1:103:A:GLU:HB3	13	0.72
(1,1293)	1:13:A:VAL:HG13	1:103:A:GLU:HB3	13	0.72
(1,1292)	1:13:A:VAL:HG11	1:103:A:GLU:HG2	6	0.72
(1,1292)	1:13:A:VAL:HG12	1:103:A:GLU:HG2	6	0.72
(1,1292)	1:13:A:VAL:HG13	1:103:A:GLU:HG2	6	0.72
(1,1276)	1:119:A:VAL:HG21	1:120:A:ARG:H	6	0.72
(1,1276)	1:119:A:VAL:HG22	1:120:A:ARG:H	6	0.72
(1,1276)	1:119:A:VAL:HG23	1:120:A:ARG:H	6	0.72
(1,1259)	1:5:A:LEU:HB3	1:117:A:VAL:HG21	2	0.72
(1,1259)	1:5:A:LEU:HB3	1:117:A:VAL:HG22	2	0.72
(1,1259)	1:5:A:LEU:HB3	1:117:A:VAL:HG23	2	0.72
(1,1255)	1:5:A:LEU:HA	1:117:A:VAL:HG21	5	0.72
(1,1255)	1:5:A:LEU:HA	1:117:A:VAL:HG22	5	0.72
(1,1255)	1:5:A:LEU:HA	1:117:A:VAL:HG23	5	0.72
(1,1237)	1:108:A:LEU:HA	1:108:A:LEU:HD21	1	0.72
(1,1237)	1:108:A:LEU:HA	1:108:A:LEU:HD22	1	0.72
(1,1237)	1:108:A:LEU:HA	1:108:A:LEU:HD23	1	0.72
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG21	15	0.72
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG22	15	0.72
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG23	15	0.72
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG21	15	0.72
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG22	15	0.72
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG23	15	0.72
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG21	15	0.72
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG22	15	0.72
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG23	15	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1055)	1:26:A:LEU:HD11	1:29:A:LYS:H	5	0.72
(1,1055)	1:26:A:LEU:HD12	1:29:A:LYS:H	5	0.72
(1,1055)	1:26:A:LEU:HD13	1:29:A:LYS:H	5	0.72
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD11	15	0.72
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD12	15	0.72
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD13	15	0.72
(1,1032)	1:26:A:LEU:HD11	1:47:A:THR:HB	2	0.72
(1,1032)	1:26:A:LEU:HD12	1:47:A:THR:HB	2	0.72
(1,1032)	1:26:A:LEU:HD13	1:47:A:THR:HB	2	0.72
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD21	3	0.72
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD22	3	0.72
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD23	3	0.72
(1,921)	1:22:A:VAL:H	1:25:A:LEU:HD11	12	0.72
(1,921)	1:22:A:VAL:H	1:25:A:LEU:HD12	12	0.72
(1,921)	1:22:A:VAL:H	1:25:A:LEU:HD13	12	0.72
(1,888)	1:77:A:LEU:HD11	1:108:A:LEU:HB3	9	0.72
(1,888)	1:77:A:LEU:HD12	1:108:A:LEU:HB3	9	0.72
(1,888)	1:77:A:LEU:HD13	1:108:A:LEU:HB3	9	0.72
(1,882)	1:7:A:PHE:HE1	1:77:A:LEU:HD12	1	0.72
(1,882)	1:7:A:PHE:HE1	1:77:A:LEU:HD12	2	0.72
(1,854)	1:61:A:VAL:HG21	1:91:A:PRO:HG2	7	0.72
(1,854)	1:61:A:VAL:HG22	1:91:A:PRO:HG2	7	0.72
(1,854)	1:61:A:VAL:HG23	1:91:A:PRO:HG2	7	0.72
(1,834)	1:26:A:LEU:HG	1:49:A:VAL:HG11	11	0.72
(1,834)	1:26:A:LEU:HG	1:49:A:VAL:HG12	11	0.72
(1,834)	1:26:A:LEU:HG	1:49:A:VAL:HG13	11	0.72
(1,826)	1:7:A:PHE:HD2	1:111:A:ILE:HG12	1	0.72
(1,704)	1:81:A:LYS:HD2	1:89:A:ILE:HD11	17	0.72
(1,704)	1:81:A:LYS:HD2	1:89:A:ILE:HD12	17	0.72
(1,704)	1:81:A:LYS:HD2	1:89:A:ILE:HD13	17	0.72
(1,658)	1:72:A:GLY:HA3	1:73:A:LYS:HD2	2	0.72
(1,658)	1:72:A:GLY:HA3	1:73:A:LYS:HD3	2	0.72
(1,612)	1:1:A:MET:HG2	1:16:A:LEU:HB3	15	0.72
(1,609)	1:58:A:ARG:HA	1:59:A:GLU:HB3	14	0.72
(1,505)	1:23:A:VAL:HG21	1:27:A:LYS:HB2	18	0.72
(1,505)	1:23:A:VAL:HG22	1:27:A:LYS:HB2	18	0.72
(1,505)	1:23:A:VAL:HG23	1:27:A:LYS:HB2	18	0.72
(1,477)	1:112:A:LYS:HB2	1:112:A:LYS:HE2	3	0.72
(1,471)	1:52:A:GLN:HG2	1:70:A:PRO:HB3	9	0.72
(1,471)	1:52:A:GLN:HG3	1:70:A:PRO:HB3	9	0.72
(1,343)	1:41:A:GLU:HG2	1:79:A:PHE:HE1	16	0.72
(1,343)	1:41:A:GLU:HG2	1:79:A:PHE:HE2	16	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG11	17	0.72
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG12	17	0.72
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG13	17	0.72
(1,251)	1:17:A:ASN:HA	1:18:A:GLU:HG2	1	0.72
(1,133)	1:109:A:LYS:HA	1:109:A:LYS:HE3	5	0.72
(1,131)	1:79:A:PHE:HE1	1:109:A:LYS:HE3	20	0.72
(1,131)	1:79:A:PHE:HE2	1:109:A:LYS:HE3	20	0.72
(1,2902)	1:20:A:TYR:HE1	1:56:A:ASN:HB3	7	0.71
(1,2902)	1:20:A:TYR:HE2	1:56:A:ASN:HB3	7	0.71
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG11	10	0.71
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG12	10	0.71
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG13	10	0.71
(1,2781)	1:65:A:ASP:HB3	1:78:A:PHE:HD1	3	0.71
(1,2781)	1:65:A:ASP:HB3	1:78:A:PHE:HD2	3	0.71
(1,2603)	1:33:A:GLU:HG3	1:34:A:SER:H	9	0.71
(1,2581)	1:54:A:MET:HB3	1:56:A:ASN:H	18	0.71
(1,2358)	1:31:A:PRO:HB2	1:121:A:PHE:H	20	0.71
(1,2336)	1:102:A:VAL:HG21	1:103:A:GLU:H	14	0.71
(1,2336)	1:102:A:VAL:HG22	1:103:A:GLU:H	14	0.71
(1,2336)	1:102:A:VAL:HG23	1:103:A:GLU:H	14	0.71
(1,2135)	1:39:A:TRP:H	1:42:A:GLU:HB2	12	0.71
(1,2135)	1:39:A:TRP:H	1:42:A:GLU:HB2	13	0.71
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG11	17	0.71
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG12	17	0.71
(1,2030)	1:118:A:ALA:HA	1:119:A:VAL:HG13	17	0.71
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD11	16	0.71
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD12	16	0.71
(1,1858)	1:23:A:VAL:HG11	1:98:A:ILE:HD13	16	0.71
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD11	16	0.71
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD12	16	0.71
(1,1858)	1:23:A:VAL:HG12	1:98:A:ILE:HD13	16	0.71
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD11	16	0.71
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD12	16	0.71
(1,1858)	1:23:A:VAL:HG13	1:98:A:ILE:HD13	16	0.71
(1,1636)	1:85:A:SER:HA	1:90:A:GLN:HG2	12	0.71
(1,1587)	1:101:A:ILE:HG21	1:105:A:LEU:HB3	20	0.71
(1,1587)	1:101:A:ILE:HG22	1:105:A:LEU:HB3	20	0.71
(1,1587)	1:101:A:ILE:HG23	1:105:A:LEU:HB3	20	0.71
(1,1393)	1:48:A:PRO:HA	1:49:A:VAL:HG11	6	0.71
(1,1393)	1:48:A:PRO:HA	1:49:A:VAL:HG12	6	0.71
(1,1393)	1:48:A:PRO:HA	1:49:A:VAL:HG13	6	0.71
(1,1293)	1:13:A:VAL:HG11	1:103:A:GLU:HB3	6	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1293)	1:13:A:VAL:HG12	1:103:A:GLU:HB3	6	0.71
(1,1293)	1:13:A:VAL:HG13	1:103:A:GLU:HB3	6	0.71
(1,1292)	1:13:A:VAL:HG11	1:103:A:GLU:HG2	14	0.71
(1,1292)	1:13:A:VAL:HG12	1:103:A:GLU:HG2	14	0.71
(1,1292)	1:13:A:VAL:HG13	1:103:A:GLU:HG2	14	0.71
(1,1073)	1:85:A:SER:HB2	1:88:A:LYS:HG3	11	0.71
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD21	6	0.71
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD22	6	0.71
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD23	6	0.71
(1,942)	1:77:A:LEU:HD21	1:101:A:ILE:HA	16	0.71
(1,942)	1:77:A:LEU:HD22	1:101:A:ILE:HA	16	0.71
(1,942)	1:77:A:LEU:HD23	1:101:A:ILE:HA	16	0.71
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG11	1	0.71
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG12	1	0.71
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG13	1	0.71
(1,609)	1:58:A:ARG:HA	1:59:A:GLU:HB3	5	0.71
(1,471)	1:52:A:GLN:HG2	1:70:A:PRO:HB3	10	0.71
(1,471)	1:52:A:GLN:HG3	1:70:A:PRO:HB3	10	0.71
(1,465)	1:58:A:ARG:HB3	1:95:A:VAL:HG21	6	0.71
(1,465)	1:58:A:ARG:HB3	1:95:A:VAL:HG22	6	0.71
(1,465)	1:58:A:ARG:HB3	1:95:A:VAL:HG23	6	0.71
(1,386)	1:61:A:VAL:HG11	1:62:A:GLU:HG2	10	0.71
(1,386)	1:61:A:VAL:HG12	1:62:A:GLU:HG2	10	0.71
(1,386)	1:61:A:VAL:HG13	1:62:A:GLU:HG2	10	0.71
(1,376)	1:25:A:LEU:HD21	1:28:A:GLU:HG2	2	0.71
(1,376)	1:25:A:LEU:HD22	1:28:A:GLU:HG2	2	0.71
(1,376)	1:25:A:LEU:HD23	1:28:A:GLU:HG2	2	0.71
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG2	12	0.71
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG3	12	0.71
(1,220)	1:95:A:VAL:HA	1:96:A:ASN:HB2	7	0.71
(1,220)	1:95:A:VAL:HA	1:96:A:ASN:HB2	16	0.71
(1,189)	1:106:A:GLU:H	1:107:A:ASP:HB2	11	0.71
(1,158)	1:62:A:GLU:HB3	1:65:A:ASP:HB2	17	0.71
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG21	20	0.71
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG22	20	0.71
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG23	20	0.71
(1,42)	1:63:A:ILE:HG13	1:80:A:GLY:HA2	5	0.71
(1,31)	1:1:A:MET:HB2	1:16:A:LEU:HB3	1	0.71
(1,31)	1:1:A:MET:HB3	1:16:A:LEU:HB3	1	0.71
(1,3)	1:40:A:GLY:HA2	1:82:A:THR:HA	7	0.71
(1,3)	1:40:A:GLY:HA2	1:82:A:THR:HA	8	0.71
(1,3)	1:40:A:GLY:HA2	1:82:A:THR:HA	11	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3)	1:40:A:GLY:HA2	1:82:A:THR:HA	15	0.71
(1,3)	1:40:A:GLY:HA2	1:82:A:THR:HA	18	0.71
(1,2744)	1:7:A:PHE:HB3	1:10:A:GLY:H	11	0.7
(1,2719)	1:60:A:VAL:HG21	1:90:A:GLN:HE22	7	0.7
(1,2719)	1:60:A:VAL:HG22	1:90:A:GLN:HE22	7	0.7
(1,2719)	1:60:A:VAL:HG23	1:90:A:GLN:HE22	7	0.7
(1,2710)	1:59:A:GLU:HB2	1:90:A:GLN:HE21	2	0.7
(1,2445)	1:32:A:PHE:HB3	1:33:A:GLU:H	2	0.7
(1,2445)	1:32:A:PHE:HB3	1:33:A:GLU:H	17	0.7
(1,2445)	1:32:A:PHE:HB3	1:33:A:GLU:H	20	0.7
(1,2358)	1:31:A:PRO:HB2	1:121:A:PHE:H	19	0.7
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG21	11	0.7
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG22	11	0.7
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG23	11	0.7
(1,2127)	1:50:A:ASN:H	1:51:A:VAL:HG21	17	0.7
(1,2127)	1:50:A:ASN:H	1:51:A:VAL:HG22	17	0.7
(1,2127)	1:50:A:ASN:H	1:51:A:VAL:HG23	17	0.7
(1,2010)	1:108:A:LEU:HD21	1:111:A:ILE:HD11	6	0.7
(1,2010)	1:108:A:LEU:HD21	1:111:A:ILE:HD12	6	0.7
(1,2010)	1:108:A:LEU:HD21	1:111:A:ILE:HD13	6	0.7
(1,2010)	1:108:A:LEU:HD22	1:111:A:ILE:HD11	6	0.7
(1,2010)	1:108:A:LEU:HD22	1:111:A:ILE:HD12	6	0.7
(1,2010)	1:108:A:LEU:HD22	1:111:A:ILE:HD13	6	0.7
(1,2010)	1:108:A:LEU:HD23	1:111:A:ILE:HD11	6	0.7
(1,2010)	1:108:A:LEU:HD23	1:111:A:ILE:HD12	6	0.7
(1,2010)	1:108:A:LEU:HD23	1:111:A:ILE:HD13	6	0.7
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG21	4	0.7
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG22	4	0.7
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG23	4	0.7
(1,1713)	1:61:A:VAL:HG11	1:78:A:PHE:HB2	2	0.7
(1,1713)	1:61:A:VAL:HG12	1:78:A:PHE:HB2	2	0.7
(1,1713)	1:61:A:VAL:HG13	1:78:A:PHE:HB2	2	0.7
(1,1393)	1:48:A:PRO:HA	1:49:A:VAL:HG11	1	0.7
(1,1393)	1:48:A:PRO:HA	1:49:A:VAL:HG12	1	0.7
(1,1393)	1:48:A:PRO:HA	1:49:A:VAL:HG13	1	0.7
(1,1393)	1:48:A:PRO:HA	1:49:A:VAL:HG11	16	0.7
(1,1393)	1:48:A:PRO:HA	1:49:A:VAL:HG12	16	0.7
(1,1393)	1:48:A:PRO:HA	1:49:A:VAL:HG13	16	0.7
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG11	5	0.7
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG12	5	0.7
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG13	5	0.7
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG11	5	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG12	5	0.7
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG13	5	0.7
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG11	5	0.7
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG12	5	0.7
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG13	5	0.7
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG11	5	0.7
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG12	5	0.7
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG13	5	0.7
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG11	5	0.7
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG12	5	0.7
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG13	5	0.7
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG11	5	0.7
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG12	5	0.7
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG13	5	0.7
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG21	15	0.7
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG22	15	0.7
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG23	15	0.7
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG21	15	0.7
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG22	15	0.7
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG23	15	0.7
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG21	15	0.7
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG22	15	0.7
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG23	15	0.7
(1,1200)	1:61:A:VAL:HG21	1:95:A:VAL:HG11	13	0.7
(1,1200)	1:61:A:VAL:HG21	1:95:A:VAL:HG12	13	0.7
(1,1200)	1:61:A:VAL:HG21	1:95:A:VAL:HG13	13	0.7
(1,1200)	1:61:A:VAL:HG22	1:95:A:VAL:HG11	13	0.7
(1,1200)	1:61:A:VAL:HG22	1:95:A:VAL:HG12	13	0.7
(1,1200)	1:61:A:VAL:HG22	1:95:A:VAL:HG13	13	0.7
(1,1200)	1:61:A:VAL:HG23	1:95:A:VAL:HG11	13	0.7
(1,1200)	1:61:A:VAL:HG23	1:95:A:VAL:HG12	13	0.7
(1,1200)	1:61:A:VAL:HG23	1:95:A:VAL:HG13	13	0.7
(1,1031)	1:26:A:LEU:HD11	1:32:A:PHE:HZ	15	0.7
(1,1031)	1:26:A:LEU:HD12	1:32:A:PHE:HZ	15	0.7
(1,1031)	1:26:A:LEU:HD13	1:32:A:PHE:HZ	15	0.7
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD21	8	0.7
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD22	8	0.7
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD23	8	0.7
(1,845)	1:5:A:LEU:HD11	1:117:A:VAL:HG21	5	0.7
(1,845)	1:5:A:LEU:HD11	1:117:A:VAL:HG22	5	0.7
(1,845)	1:5:A:LEU:HD11	1:117:A:VAL:HG23	5	0.7
(1,845)	1:5:A:LEU:HD12	1:117:A:VAL:HG21	5	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,845)	1:5:A:LEU:HD12	1:117:A:VAL:HG22	5	0.7
(1,845)	1:5:A:LEU:HD12	1:117:A:VAL:HG23	5	0.7
(1,845)	1:5:A:LEU:HD13	1:117:A:VAL:HG21	5	0.7
(1,845)	1:5:A:LEU:HD13	1:117:A:VAL:HG22	5	0.7
(1,845)	1:5:A:LEU:HD13	1:117:A:VAL:HG23	5	0.7
(1,819)	1:108:A:LEU:HD21	1:111:A:ILE:HG13	5	0.7
(1,819)	1:108:A:LEU:HD22	1:111:A:ILE:HG13	5	0.7
(1,819)	1:108:A:LEU:HD23	1:111:A:ILE:HG13	5	0.7
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG21	16	0.7
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG22	16	0.7
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG23	16	0.7
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG21	16	0.7
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG22	16	0.7
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG23	16	0.7
(1,609)	1:58:A:ARG:HA	1:59:A:GLU:HB3	20	0.7
(1,535)	1:23:A:VAL:H	1:24:A:LYS:HB3	13	0.7
(1,535)	1:23:A:VAL:H	1:24:A:LYS:HB3	16	0.7
(1,360)	1:105:A:LEU:HD11	1:106:A:GLU:HG2	13	0.7
(1,360)	1:105:A:LEU:HD11	1:106:A:GLU:HG3	13	0.7
(1,360)	1:105:A:LEU:HD12	1:106:A:GLU:HG2	13	0.7
(1,360)	1:105:A:LEU:HD12	1:106:A:GLU:HG3	13	0.7
(1,360)	1:105:A:LEU:HD13	1:106:A:GLU:HG2	13	0.7
(1,360)	1:105:A:LEU:HD13	1:106:A:GLU:HG3	13	0.7
(1,348)	1:54:A:MET:HB3	1:57:A:PRO:HG3	7	0.7
(1,287)	1:7:A:PHE:HB2	1:8:A:GLU:HG3	11	0.7
(1,220)	1:95:A:VAL:HA	1:96:A:ASN:HB2	2	0.7
(1,30)	1:15:A:ASP:HA	1:16:A:LEU:HB3	14	0.7
(1,30)	1:15:A:ASP:HA	1:16:A:LEU:HB3	15	0.7
(1,18)	1:16:A:LEU:HD21	1:99:A:GLY:HA2	1	0.7
(1,18)	1:16:A:LEU:HD22	1:99:A:GLY:HA2	1	0.7
(1,18)	1:16:A:LEU:HD23	1:99:A:GLY:HA2	1	0.7
(1,3)	1:40:A:GLY:HA2	1:82:A:THR:HA	2	0.7
(1,3)	1:40:A:GLY:HA2	1:82:A:THR:HA	9	0.7
(1,3)	1:40:A:GLY:HA2	1:82:A:THR:HA	10	0.7
(1,3)	1:40:A:GLY:HA2	1:82:A:THR:HA	13	0.7
(1,3)	1:40:A:GLY:HA2	1:82:A:THR:HA	14	0.7
(1,3)	1:40:A:GLY:HA2	1:82:A:THR:HA	16	0.7
(1,3)	1:40:A:GLY:HA2	1:82:A:THR:HA	20	0.7
(1,2902)	1:20:A:TYR:HE1	1:56:A:ASN:HB3	12	0.69
(1,2902)	1:20:A:TYR:HE2	1:56:A:ASN:HB3	12	0.69
(1,2877)	1:69:A:TRP:HD1	1:70:A:PRO:HD3	16	0.69
(1,2719)	1:60:A:VAL:HG21	1:90:A:GLN:HE22	1	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2719)	1:60:A:VAL:HG22	1:90:A:GLN:HE22	1	0.69
(1,2719)	1:60:A:VAL:HG23	1:90:A:GLN:HE22	1	0.69
(1,2147)	1:18:A:GLU:H	1:18:A:GLU:HG2	13	0.69
(1,2135)	1:39:A:TRP:H	1:42:A:GLU:HB2	5	0.69
(1,1962)	1:29:A:LYS:HA	1:30:A:ILE:HG12	10	0.69
(1,1812)	1:7:A:PHE:HB3	1:11:A:LYS:HA	2	0.69
(1,1738)	1:7:A:PHE:HE1	1:43:A:ILE:HD13	3	0.69
(1,1483)	1:53:A:LYS:HG3	1:55:A:GLU:HA	19	0.69
(1,1395)	1:26:A:LEU:HA	1:49:A:VAL:HG11	10	0.69
(1,1395)	1:26:A:LEU:HA	1:49:A:VAL:HG12	10	0.69
(1,1395)	1:26:A:LEU:HA	1:49:A:VAL:HG13	10	0.69
(1,1380)	1:58:A:ARG:HG2	1:97:A:VAL:HG11	17	0.69
(1,1380)	1:58:A:ARG:HG2	1:97:A:VAL:HG12	17	0.69
(1,1380)	1:58:A:ARG:HG2	1:97:A:VAL:HG13	17	0.69
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG21	19	0.69
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG22	19	0.69
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG23	19	0.69
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG21	19	0.69
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG22	19	0.69
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG23	19	0.69
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG21	19	0.69
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG22	19	0.69
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG23	19	0.69
(1,1276)	1:119:A:VAL:HG21	1:120:A:ARG:H	5	0.69
(1,1276)	1:119:A:VAL:HG22	1:120:A:ARG:H	5	0.69
(1,1276)	1:119:A:VAL:HG23	1:120:A:ARG:H	5	0.69
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG21	4	0.69
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG22	4	0.69
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG23	4	0.69
(1,1250)	1:6:A:LEU:H	1:117:A:VAL:HG21	5	0.69
(1,1250)	1:6:A:LEU:H	1:117:A:VAL:HG22	5	0.69
(1,1250)	1:6:A:LEU:H	1:117:A:VAL:HG23	5	0.69
(1,1240)	1:77:A:LEU:HD11	1:108:A:LEU:HD21	19	0.69
(1,1240)	1:77:A:LEU:HD11	1:108:A:LEU:HD22	19	0.69
(1,1240)	1:77:A:LEU:HD11	1:108:A:LEU:HD23	19	0.69
(1,1240)	1:77:A:LEU:HD12	1:108:A:LEU:HD21	19	0.69
(1,1240)	1:77:A:LEU:HD12	1:108:A:LEU:HD22	19	0.69
(1,1240)	1:77:A:LEU:HD12	1:108:A:LEU:HD23	19	0.69
(1,1240)	1:77:A:LEU:HD13	1:108:A:LEU:HD21	19	0.69
(1,1240)	1:77:A:LEU:HD13	1:108:A:LEU:HD22	19	0.69
(1,1240)	1:77:A:LEU:HD13	1:108:A:LEU:HD23	19	0.69
(1,1200)	1:61:A:VAL:HG21	1:95:A:VAL:HG11	1	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1200)	1:61:A:VAL:HG21	1:95:A:VAL:HG12	1	0.69
(1,1200)	1:61:A:VAL:HG21	1:95:A:VAL:HG13	1	0.69
(1,1200)	1:61:A:VAL:HG22	1:95:A:VAL:HG11	1	0.69
(1,1200)	1:61:A:VAL:HG22	1:95:A:VAL:HG12	1	0.69
(1,1200)	1:61:A:VAL:HG22	1:95:A:VAL:HG13	1	0.69
(1,1200)	1:61:A:VAL:HG23	1:95:A:VAL:HG11	1	0.69
(1,1200)	1:61:A:VAL:HG23	1:95:A:VAL:HG12	1	0.69
(1,1200)	1:61:A:VAL:HG23	1:95:A:VAL:HG13	1	0.69
(1,1139)	1:49:A:VAL:HG21	1:50:A:ASN:HA	1	0.69
(1,1139)	1:49:A:VAL:HG22	1:50:A:ASN:HA	1	0.69
(1,1139)	1:49:A:VAL:HG23	1:50:A:ASN:HA	1	0.69
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG21	18	0.69
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG22	18	0.69
(1,1109)	1:18:A:GLU:HG2	1:23:A:VAL:HG23	18	0.69
(1,1107)	1:93:A:SER:HB2	1:94:A:ALA:H	15	0.69
(1,1080)	1:16:A:LEU:HD21	1:99:A:GLY:HA3	10	0.69
(1,1080)	1:16:A:LEU:HD22	1:99:A:GLY:HA3	10	0.69
(1,1080)	1:16:A:LEU:HD23	1:99:A:GLY:HA3	10	0.69
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD11	5	0.69
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD12	5	0.69
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD13	5	0.69
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD11	6	0.69
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD12	6	0.69
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD13	6	0.69
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD11	17	0.69
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD12	17	0.69
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD13	17	0.69
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD11	16	0.69
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD12	16	0.69
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD13	16	0.69
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD11	16	0.69
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD12	16	0.69
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD13	16	0.69
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG21	13	0.69
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG22	13	0.69
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG23	13	0.69
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG21	13	0.69
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG22	13	0.69
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG23	13	0.69
(1,633)	1:56:A:ASN:HB2	1:97:A:VAL:HB	7	0.69
(1,609)	1:58:A:ARG:HA	1:59:A:GLU:HB3	4	0.69
(1,598)	1:12:A:CYS:HB2	1:101:A:ILE:HG21	16	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,598)	1:12:A:CYS:HB2	1:101:A:ILE:HG22	16	0.69
(1,598)	1:12:A:CYS:HB2	1:101:A:ILE:HG23	16	0.69
(1,598)	1:12:A:CYS:HB2	1:101:A:ILE:HG21	18	0.69
(1,598)	1:12:A:CYS:HB2	1:101:A:ILE:HG22	18	0.69
(1,598)	1:12:A:CYS:HB2	1:101:A:ILE:HG23	18	0.69
(1,519)	1:51:A:VAL:HG11	1:53:A:LYS:HB3	18	0.69
(1,519)	1:51:A:VAL:HG12	1:53:A:LYS:HB3	18	0.69
(1,519)	1:51:A:VAL:HG13	1:53:A:LYS:HB3	18	0.69
(1,477)	1:112:A:LYS:HB2	1:112:A:LYS:HE2	2	0.69
(1,477)	1:112:A:LYS:HB2	1:112:A:LYS:HE2	11	0.69
(1,477)	1:112:A:LYS:HB2	1:112:A:LYS:HE2	16	0.69
(1,80)	1:2:A:ARG:HD2	1:15:A:ASP:HB3	5	0.69
(1,3)	1:40:A:GLY:HA2	1:82:A:THR:HA	5	0.69
(1,3)	1:40:A:GLY:HA2	1:82:A:THR:HA	17	0.69
(1,2773)	1:79:A:PHE:HD1	1:109:A:LYS:HD3	20	0.68
(1,2773)	1:79:A:PHE:HD2	1:109:A:LYS:HD3	20	0.68
(1,2722)	1:61:A:VAL:HG21	1:95:A:VAL:H	2	0.68
(1,2722)	1:61:A:VAL:HG22	1:95:A:VAL:H	2	0.68
(1,2722)	1:61:A:VAL:HG23	1:95:A:VAL:H	2	0.68
(1,2719)	1:60:A:VAL:HG21	1:90:A:GLN:HE22	14	0.68
(1,2719)	1:60:A:VAL:HG22	1:90:A:GLN:HE22	14	0.68
(1,2719)	1:60:A:VAL:HG23	1:90:A:GLN:HE22	14	0.68
(1,2719)	1:60:A:VAL:HG21	1:90:A:GLN:HE22	18	0.68
(1,2719)	1:60:A:VAL:HG22	1:90:A:GLN:HE22	18	0.68
(1,2719)	1:60:A:VAL:HG23	1:90:A:GLN:HE22	18	0.68
(1,2669)	1:56:A:ASN:HD21	1:58:A:ARG:HE	1	0.68
(1,2269)	1:30:A:ILE:H	1:30:A:ILE:HG12	4	0.68
(1,1962)	1:29:A:LYS:HA	1:30:A:ILE:HG12	7	0.68
(1,1962)	1:29:A:LYS:HA	1:30:A:ILE:HG12	20	0.68
(1,1958)	1:61:A:VAL:HG11	1:62:A:GLU:HA	18	0.68
(1,1958)	1:61:A:VAL:HG12	1:62:A:GLU:HA	18	0.68
(1,1958)	1:61:A:VAL:HG13	1:62:A:GLU:HA	18	0.68
(1,1713)	1:61:A:VAL:HG11	1:78:A:PHE:HB2	3	0.68
(1,1713)	1:61:A:VAL:HG12	1:78:A:PHE:HB2	3	0.68
(1,1713)	1:61:A:VAL:HG13	1:78:A:PHE:HB2	3	0.68
(1,1713)	1:61:A:VAL:HG11	1:78:A:PHE:HB2	9	0.68
(1,1713)	1:61:A:VAL:HG12	1:78:A:PHE:HB2	9	0.68
(1,1713)	1:61:A:VAL:HG13	1:78:A:PHE:HB2	9	0.68
(1,1598)	1:14:A:ILE:HA	1:102:A:VAL:HG21	11	0.68
(1,1598)	1:14:A:ILE:HA	1:102:A:VAL:HG22	11	0.68
(1,1598)	1:14:A:ILE:HA	1:102:A:VAL:HG23	11	0.68
(1,1598)	1:14:A:ILE:HA	1:102:A:VAL:HG21	16	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1598)	1:14:A:ILE:HA	1:102:A:VAL:HG22	16	0.68
(1,1598)	1:14:A:ILE:HA	1:102:A:VAL:HG23	16	0.68
(1,1407)	1:22:A:VAL:HG11	1:26:A:LEU:HG	8	0.68
(1,1407)	1:22:A:VAL:HG12	1:26:A:LEU:HG	8	0.68
(1,1407)	1:22:A:VAL:HG13	1:26:A:LEU:HG	8	0.68
(1,1381)	1:61:A:VAL:HG21	1:97:A:VAL:HG11	4	0.68
(1,1381)	1:61:A:VAL:HG21	1:97:A:VAL:HG12	4	0.68
(1,1381)	1:61:A:VAL:HG21	1:97:A:VAL:HG13	4	0.68
(1,1381)	1:61:A:VAL:HG22	1:97:A:VAL:HG11	4	0.68
(1,1381)	1:61:A:VAL:HG22	1:97:A:VAL:HG12	4	0.68
(1,1381)	1:61:A:VAL:HG22	1:97:A:VAL:HG13	4	0.68
(1,1381)	1:61:A:VAL:HG23	1:97:A:VAL:HG11	4	0.68
(1,1381)	1:61:A:VAL:HG23	1:97:A:VAL:HG12	4	0.68
(1,1381)	1:61:A:VAL:HG23	1:97:A:VAL:HG13	4	0.68
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG21	5	0.68
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG22	5	0.68
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG23	5	0.68
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG21	5	0.68
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG22	5	0.68
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG23	5	0.68
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG21	5	0.68
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG22	5	0.68
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG23	5	0.68
(1,1298)	1:22:A:VAL:HG21	1:96:A:ASN:HD21	18	0.68
(1,1298)	1:22:A:VAL:HG22	1:96:A:ASN:HD21	18	0.68
(1,1298)	1:22:A:VAL:HG23	1:96:A:ASN:HD21	18	0.68
(1,1297)	1:22:A:VAL:HG21	1:23:A:VAL:H	20	0.68
(1,1297)	1:22:A:VAL:HG22	1:23:A:VAL:H	20	0.68
(1,1297)	1:22:A:VAL:HG23	1:23:A:VAL:H	20	0.68
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG21	20	0.68
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG22	20	0.68
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG23	20	0.68
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB1	1	0.68
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB2	1	0.68
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB3	1	0.68
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB1	15	0.68
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB2	15	0.68
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB3	15	0.68
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD11	1	0.68
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD12	1	0.68
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD13	1	0.68
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD11	8	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD12	8	0.68
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD13	8	0.68
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD11	13	0.68
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD12	13	0.68
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD13	13	0.68
(1,1023)	1:21:A:GLU:HB2	1:53:A:LYS:HG3	1	0.68
(1,1023)	1:21:A:GLU:HB3	1:53:A:LYS:HG3	1	0.68
(1,984)	1:67:A:GLY:H	1:75:A:LEU:HD21	14	0.68
(1,984)	1:67:A:GLY:H	1:75:A:LEU:HD22	14	0.68
(1,984)	1:67:A:GLY:H	1:75:A:LEU:HD23	14	0.68
(1,811)	1:6:A:LEU:HG	1:7:A:PHE:HD2	11	0.68
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG21	10	0.68
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG22	10	0.68
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG23	10	0.68
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG21	10	0.68
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG22	10	0.68
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG23	10	0.68
(1,609)	1:58:A:ARG:HA	1:59:A:GLU:HB3	17	0.68
(1,351)	1:102:A:VAL:HG21	1:103:A:GLU:HG2	3	0.68
(1,351)	1:102:A:VAL:HG22	1:103:A:GLU:HG2	3	0.68
(1,351)	1:102:A:VAL:HG23	1:103:A:GLU:HG2	3	0.68
(1,115)	1:26:A:LEU:HB3	1:49:A:VAL:HG11	10	0.68
(1,115)	1:26:A:LEU:HB3	1:49:A:VAL:HG12	10	0.68
(1,115)	1:26:A:LEU:HB3	1:49:A:VAL:HG13	10	0.68
(1,30)	1:15:A:ASP:HA	1:16:A:LEU:HB3	20	0.68
(1,3)	1:40:A:GLY:HA2	1:82:A:THR:HA	1	0.68
(1,3)	1:40:A:GLY:HA2	1:82:A:THR:HA	12	0.68
(1,2887)	1:69:A:TRP:HZ3	1:72:A:GLY:HA2	10	0.67
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG11	2	0.67
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG12	2	0.67
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG13	2	0.67
(1,2630)	1:106:A:GLU:H	1:106:A:GLU:HB3	1	0.67
(1,2603)	1:33:A:GLU:HG3	1:34:A:SER:H	2	0.67
(1,2537)	1:19:A:GLU:H	1:19:A:GLU:HB3	7	0.67
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG11	20	0.67
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG12	20	0.67
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG13	20	0.67
(1,2336)	1:102:A:VAL:HG21	1:103:A:GLU:H	3	0.67
(1,2336)	1:102:A:VAL:HG22	1:103:A:GLU:H	3	0.67
(1,2336)	1:102:A:VAL:HG23	1:103:A:GLU:H	3	0.67
(1,2336)	1:102:A:VAL:HG21	1:103:A:GLU:H	8	0.67
(1,2336)	1:102:A:VAL:HG22	1:103:A:GLU:H	8	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2336)	1:102:A:VAL:HG23	1:103:A:GLU:H	8	0.67
(1,2269)	1:30:A:ILE:H	1:30:A:ILE:HG12	6	0.67
(1,2115)	1:2:A:ARG:HG3	1:3:A:VAL:H	5	0.67
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG21	1	0.67
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG22	1	0.67
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG23	1	0.67
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG21	10	0.67
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG22	10	0.67
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG23	10	0.67
(1,2080)	1:56:A:ASN:HB2	1:97:A:VAL:H	4	0.67
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG11	20	0.67
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG12	20	0.67
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG13	20	0.67
(1,1713)	1:61:A:VAL:HG11	1:78:A:PHE:HB2	11	0.67
(1,1713)	1:61:A:VAL:HG12	1:78:A:PHE:HB2	11	0.67
(1,1713)	1:61:A:VAL:HG13	1:78:A:PHE:HB2	11	0.67
(1,1713)	1:61:A:VAL:HG11	1:78:A:PHE:HB2	16	0.67
(1,1713)	1:61:A:VAL:HG12	1:78:A:PHE:HB2	16	0.67
(1,1713)	1:61:A:VAL:HG13	1:78:A:PHE:HB2	16	0.67
(1,1393)	1:48:A:PRO:HA	1:49:A:VAL:HG11	14	0.67
(1,1393)	1:48:A:PRO:HA	1:49:A:VAL:HG12	14	0.67
(1,1393)	1:48:A:PRO:HA	1:49:A:VAL:HG13	14	0.67
(1,1297)	1:22:A:VAL:HG21	1:23:A:VAL:H	8	0.67
(1,1297)	1:22:A:VAL:HG22	1:23:A:VAL:H	8	0.67
(1,1297)	1:22:A:VAL:HG23	1:23:A:VAL:H	8	0.67
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG21	19	0.67
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG22	19	0.67
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG23	19	0.67
(1,1139)	1:49:A:VAL:HG21	1:50:A:ASN:HA	14	0.67
(1,1139)	1:49:A:VAL:HG22	1:50:A:ASN:HA	14	0.67
(1,1139)	1:49:A:VAL:HG23	1:50:A:ASN:HA	14	0.67
(1,1055)	1:26:A:LEU:HD11	1:29:A:LYS:H	17	0.67
(1,1055)	1:26:A:LEU:HD12	1:29:A:LYS:H	17	0.67
(1,1055)	1:26:A:LEU:HD13	1:29:A:LYS:H	17	0.67
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD11	7	0.67
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD12	7	0.67
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD13	7	0.67
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD21	14	0.67
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD22	14	0.67
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD23	14	0.67
(1,938)	1:66:A:VAL:HA	1:77:A:LEU:HD21	19	0.67
(1,938)	1:66:A:VAL:HA	1:77:A:LEU:HD22	19	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,938)	1:66:A:VAL:HA	1:77:A:LEU:HD23	19	0.67
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG11	2	0.67
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG12	2	0.67
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG13	2	0.67
(1,811)	1:6:A:LEU:HG	1:7:A:PHE:HD2	20	0.67
(1,788)	1:105:A:LEU:HA	1:108:A:LEU:HD11	1	0.67
(1,788)	1:105:A:LEU:HA	1:108:A:LEU:HD12	1	0.67
(1,788)	1:105:A:LEU:HA	1:108:A:LEU:HD13	1	0.67
(1,740)	1:2:A:ARG:HG3	1:16:A:LEU:H	20	0.67
(1,535)	1:23:A:VAL:H	1:24:A:LYS:HB3	7	0.67
(1,521)	1:51:A:VAL:HG11	1:53:A:LYS:HB2	14	0.67
(1,521)	1:51:A:VAL:HG12	1:53:A:LYS:HB2	14	0.67
(1,521)	1:51:A:VAL:HG13	1:53:A:LYS:HB2	14	0.67
(1,386)	1:61:A:VAL:HG11	1:62:A:GLU:HG2	1	0.67
(1,386)	1:61:A:VAL:HG12	1:62:A:GLU:HG2	1	0.67
(1,386)	1:61:A:VAL:HG13	1:62:A:GLU:HG2	1	0.67
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG11	19	0.67
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG12	19	0.67
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG13	19	0.67
(1,146)	1:116:A:LYS:H	1:116:A:LYS:HE3	9	0.67
(1,2887)	1:69:A:TRP:HZ3	1:72:A:GLY:HA2	14	0.66
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG11	12	0.66
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG12	12	0.66
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG13	12	0.66
(1,2744)	1:7:A:PHE:HB3	1:10:A:GLY:H	9	0.66
(1,2744)	1:7:A:PHE:HB3	1:10:A:GLY:H	12	0.66
(1,2662)	1:7:A:PHE:HD1	1:9:A:SER:H	5	0.66
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG11	8	0.66
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG12	8	0.66
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG13	8	0.66
(1,2445)	1:32:A:PHE:HB3	1:33:A:GLU:H	9	0.66
(1,2297)	1:62:A:GLU:HB3	1:65:A:ASP:H	5	0.66
(1,2047)	1:26:A:LEU:HD11	1:48:A:PRO:HD2	4	0.66
(1,2047)	1:26:A:LEU:HD12	1:48:A:PRO:HD2	4	0.66
(1,2047)	1:26:A:LEU:HD13	1:48:A:PRO:HD2	4	0.66
(1,2047)	1:26:A:LEU:HD11	1:48:A:PRO:HD2	17	0.66
(1,2047)	1:26:A:LEU:HD12	1:48:A:PRO:HD2	17	0.66
(1,2047)	1:26:A:LEU:HD13	1:48:A:PRO:HD2	17	0.66
(1,2016)	1:54:A:MET:HB3	1:96:A:ASN:HA	3	0.66
(1,1962)	1:29:A:LYS:HA	1:30:A:ILE:HG12	5	0.66
(1,1958)	1:61:A:VAL:HG11	1:62:A:GLU:HA	16	0.66
(1,1958)	1:61:A:VAL:HG12	1:62:A:GLU:HA	16	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1958)	1:61:A:VAL:HG13	1:62:A:GLU:HA	16	0.66
(1,1760)	1:31:A:PRO:HB3	1:32:A:PHE:HA	8	0.66
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG21	15	0.66
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG22	15	0.66
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG23	15	0.66
(1,1398)	1:26:A:LEU:HB2	1:49:A:VAL:HG11	10	0.66
(1,1398)	1:26:A:LEU:HB2	1:49:A:VAL:HG12	10	0.66
(1,1398)	1:26:A:LEU:HB2	1:49:A:VAL:HG13	10	0.66
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG21	18	0.66
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG22	18	0.66
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG23	18	0.66
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG21	18	0.66
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG22	18	0.66
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG23	18	0.66
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG21	18	0.66
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG22	18	0.66
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG23	18	0.66
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG21	18	0.66
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG22	18	0.66
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG23	18	0.66
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG21	18	0.66
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG22	18	0.66
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG23	18	0.66
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG21	18	0.66
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG22	18	0.66
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG23	18	0.66
(1,1261)	1:60:A:VAL:HG11	1:61:A:VAL:H	18	0.66
(1,1261)	1:60:A:VAL:HG12	1:61:A:VAL:H	18	0.66
(1,1261)	1:60:A:VAL:HG13	1:61:A:VAL:H	18	0.66
(1,1197)	1:69:A:TRP:HB3	1:95:A:VAL:HG11	19	0.66
(1,1197)	1:69:A:TRP:HB3	1:95:A:VAL:HG12	19	0.66
(1,1197)	1:69:A:TRP:HB3	1:95:A:VAL:HG13	19	0.66
(1,1197)	1:69:A:TRP:HB2	1:95:A:VAL:HG11	19	0.66
(1,1197)	1:69:A:TRP:HB2	1:95:A:VAL:HG12	19	0.66
(1,1197)	1:69:A:TRP:HB2	1:95:A:VAL:HG13	19	0.66
(1,1063)	1:22:A:VAL:HA	1:25:A:LEU:HD11	8	0.66
(1,1063)	1:22:A:VAL:HA	1:25:A:LEU:HD12	8	0.66
(1,1063)	1:22:A:VAL:HA	1:25:A:LEU:HD13	8	0.66
(1,1063)	1:22:A:VAL:HA	1:25:A:LEU:HD11	20	0.66
(1,1063)	1:22:A:VAL:HA	1:25:A:LEU:HD12	20	0.66
(1,1063)	1:22:A:VAL:HA	1:25:A:LEU:HD13	20	0.66
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD11	18	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD12	18	0.66
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD13	18	0.66
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD11	19	0.66
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD12	19	0.66
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD13	19	0.66
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD11	20	0.66
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD12	20	0.66
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD13	20	0.66
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD21	3	0.66
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD22	3	0.66
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD23	3	0.66
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD21	4	0.66
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD22	4	0.66
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD23	4	0.66
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD21	9	0.66
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD22	9	0.66
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD23	9	0.66
(1,948)	1:1:A:MET:HB2	1:16:A:LEU:HD11	10	0.66
(1,948)	1:1:A:MET:HB2	1:16:A:LEU:HD12	10	0.66
(1,948)	1:1:A:MET:HB2	1:16:A:LEU:HD13	10	0.66
(1,948)	1:1:A:MET:HB3	1:16:A:LEU:HD11	10	0.66
(1,948)	1:1:A:MET:HB3	1:16:A:LEU:HD12	10	0.66
(1,948)	1:1:A:MET:HB3	1:16:A:LEU:HD13	10	0.66
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD21	3	0.66
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD22	3	0.66
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD23	3	0.66
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD21	3	0.66
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD22	3	0.66
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD23	3	0.66
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD21	3	0.66
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD22	3	0.66
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD23	3	0.66
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG11	9	0.66
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG12	9	0.66
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG13	9	0.66
(1,840)	1:4:A:GLU:H	1:5:A:LEU:HD11	16	0.66
(1,840)	1:4:A:GLU:H	1:5:A:LEU:HD12	16	0.66
(1,840)	1:4:A:GLU:H	1:5:A:LEU:HD13	16	0.66
(1,609)	1:58:A:ARG:HA	1:59:A:GLU:HB3	9	0.66
(1,609)	1:58:A:ARG:HA	1:59:A:GLU:HB3	18	0.66
(1,386)	1:61:A:VAL:HG11	1:62:A:GLU:HG2	5	0.66
(1,386)	1:61:A:VAL:HG12	1:62:A:GLU:HG2	5	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,386)	1:61:A:VAL:HG13	1:62:A:GLU:HG2	5	0.66
(1,180)	1:22:A:VAL:HG11	1:25:A:LEU:HB3	20	0.66
(1,180)	1:22:A:VAL:HG12	1:25:A:LEU:HB3	20	0.66
(1,180)	1:22:A:VAL:HG13	1:25:A:LEU:HB3	20	0.66
(1,168)	1:38:A:THR:H	1:113:A:ASP:HB2	19	0.66
(1,133)	1:109:A:LYS:HA	1:109:A:LYS:HE3	3	0.66
(1,42)	1:63:A:ILE:HG13	1:80:A:GLY:HA2	9	0.66
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG11	13	0.65
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG12	13	0.65
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG13	13	0.65
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG11	6	0.65
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG12	6	0.65
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG13	6	0.65
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG11	6	0.65
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG12	6	0.65
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG13	6	0.65
(1,2718)	1:59:A:GLU:HB2	1:90:A:GLN:HE22	7	0.65
(1,2693)	1:17:A:ASN:HD21	1:19:A:GLU:HB3	10	0.65
(1,2619)	1:26:A:LEU:HD11	1:49:A:VAL:H	2	0.65
(1,2619)	1:26:A:LEU:HD12	1:49:A:VAL:H	2	0.65
(1,2619)	1:26:A:LEU:HD13	1:49:A:VAL:H	2	0.65
(1,2619)	1:26:A:LEU:HD11	1:49:A:VAL:H	8	0.65
(1,2619)	1:26:A:LEU:HD12	1:49:A:VAL:H	8	0.65
(1,2619)	1:26:A:LEU:HD13	1:49:A:VAL:H	8	0.65
(1,2619)	1:26:A:LEU:HD11	1:49:A:VAL:H	20	0.65
(1,2619)	1:26:A:LEU:HD12	1:49:A:VAL:H	20	0.65
(1,2619)	1:26:A:LEU:HD13	1:49:A:VAL:H	20	0.65
(1,2537)	1:19:A:GLU:H	1:19:A:GLU:HB3	5	0.65
(1,2135)	1:39:A:TRP:H	1:42:A:GLU:HB2	4	0.65
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG11	4	0.65
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG12	4	0.65
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG13	4	0.65
(1,1966)	1:2:A:ARG:HG3	1:15:A:ASP:HA	6	0.65
(1,1738)	1:7:A:PHE:HE2	1:43:A:ILE:HD12	16	0.65
(1,1407)	1:22:A:VAL:HG11	1:26:A:LEU:HG	20	0.65
(1,1407)	1:22:A:VAL:HG12	1:26:A:LEU:HG	20	0.65
(1,1407)	1:22:A:VAL:HG13	1:26:A:LEU:HG	20	0.65
(1,1393)	1:48:A:PRO:HA	1:49:A:VAL:HG11	2	0.65
(1,1393)	1:48:A:PRO:HA	1:49:A:VAL:HG12	2	0.65
(1,1393)	1:48:A:PRO:HA	1:49:A:VAL:HG13	2	0.65
(1,1345)	1:2:A:ARG:HE	1:13:A:VAL:HG21	19	0.65
(1,1345)	1:2:A:ARG:HE	1:13:A:VAL:HG22	19	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1345)	1:2:A:ARG:HE	1:13:A:VAL:HG23	19	0.65
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG21	7	0.65
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG22	7	0.65
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG23	7	0.65
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG21	19	0.65
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG22	19	0.65
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG23	19	0.65
(1,1224)	1:22:A:VAL:HA	1:51:A:VAL:HG21	6	0.65
(1,1224)	1:22:A:VAL:HA	1:51:A:VAL:HG22	6	0.65
(1,1224)	1:22:A:VAL:HA	1:51:A:VAL:HG23	6	0.65
(1,1137)	1:49:A:VAL:HG21	1:51:A:VAL:H	18	0.65
(1,1137)	1:49:A:VAL:HG22	1:51:A:VAL:H	18	0.65
(1,1137)	1:49:A:VAL:HG23	1:51:A:VAL:H	18	0.65
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG11	2	0.65
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG12	2	0.65
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG13	2	0.65
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG11	2	0.65
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG12	2	0.65
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG13	2	0.65
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG11	2	0.65
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG12	2	0.65
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG13	2	0.65
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD11	16	0.65
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD12	16	0.65
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD13	16	0.65
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD21	15	0.65
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD22	15	0.65
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD23	15	0.65
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG11	18	0.65
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG12	18	0.65
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG13	18	0.65
(1,860)	1:12:A:CYS:HB3	1:108:A:LEU:HG	16	0.65
(1,854)	1:61:A:VAL:HG21	1:91:A:PRO:HG2	6	0.65
(1,854)	1:61:A:VAL:HG22	1:91:A:PRO:HG2	6	0.65
(1,854)	1:61:A:VAL:HG23	1:91:A:PRO:HG2	6	0.65
(1,513)	1:61:A:VAL:HB	1:78:A:PHE:HB3	9	0.65
(1,477)	1:112:A:LYS:HB2	1:112:A:LYS:HE2	1	0.65
(1,231)	1:65:A:ASP:H	1:78:A:PHE:HB3	19	0.65
(1,131)	1:79:A:PHE:HE1	1:109:A:LYS:HE3	16	0.65
(1,131)	1:79:A:PHE:HE2	1:109:A:LYS:HE3	16	0.65
(1,30)	1:15:A:ASP:HA	1:16:A:LEU:HB3	11	0.65
(1,30)	1:15:A:ASP:HA	1:16:A:LEU:HB3	12	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2744)	1:7:A:PHE:HB3	1:10:A:GLY:H	10	0.64
(1,2744)	1:7:A:PHE:HB3	1:10:A:GLY:H	18	0.64
(1,2722)	1:61:A:VAL:HG21	1:95:A:VAL:H	20	0.64
(1,2722)	1:61:A:VAL:HG22	1:95:A:VAL:H	20	0.64
(1,2722)	1:61:A:VAL:HG23	1:95:A:VAL:H	20	0.64
(1,2719)	1:60:A:VAL:HG21	1:90:A:GLN:HE22	3	0.64
(1,2719)	1:60:A:VAL:HG22	1:90:A:GLN:HE22	3	0.64
(1,2719)	1:60:A:VAL:HG23	1:90:A:GLN:HE22	3	0.64
(1,2631)	1:105:A:LEU:HB2	1:106:A:GLU:H	5	0.64
(1,2631)	1:105:A:LEU:HB2	1:106:A:GLU:H	18	0.64
(1,2549)	1:109:A:LYS:HG2	1:110:A:LYS:H	10	0.64
(1,2320)	1:96:A:ASN:H	1:96:A:ASN:HD22	6	0.64
(1,2296)	1:65:A:ASP:H	1:65:A:ASP:HB3	9	0.64
(1,2147)	1:18:A:GLU:H	1:18:A:GLU:HG2	18	0.64
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG21	18	0.64
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG22	18	0.64
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG23	18	0.64
(1,2016)	1:54:A:MET:HB3	1:96:A:ASN:HA	7	0.64
(1,1991)	1:69:A:TRP:H	1:70:A:PRO:HD2	4	0.64
(1,1991)	1:69:A:TRP:H	1:70:A:PRO:HD2	20	0.64
(1,1962)	1:29:A:LYS:HA	1:30:A:ILE:HG12	14	0.64
(1,1931)	1:81:A:LYS:HG2	1:89:A:ILE:HD11	2	0.64
(1,1931)	1:81:A:LYS:HG2	1:89:A:ILE:HD12	2	0.64
(1,1931)	1:81:A:LYS:HG2	1:89:A:ILE:HD13	2	0.64
(1,1931)	1:81:A:LYS:HG2	1:89:A:ILE:HD11	16	0.64
(1,1931)	1:81:A:LYS:HG2	1:89:A:ILE:HD12	16	0.64
(1,1931)	1:81:A:LYS:HG2	1:89:A:ILE:HD13	16	0.64
(1,1711)	1:61:A:VAL:HG11	1:78:A:PHE:HB3	8	0.64
(1,1711)	1:61:A:VAL:HG12	1:78:A:PHE:HB3	8	0.64
(1,1711)	1:61:A:VAL:HG13	1:78:A:PHE:HB3	8	0.64
(1,1516)	1:2:A:ARG:HG3	1:102:A:VAL:HG21	7	0.64
(1,1516)	1:2:A:ARG:HG3	1:102:A:VAL:HG22	7	0.64
(1,1516)	1:2:A:ARG:HG3	1:102:A:VAL:HG23	7	0.64
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG11	2	0.64
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG12	2	0.64
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG13	2	0.64
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG11	2	0.64
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG12	2	0.64
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG13	2	0.64
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG11	2	0.64
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG12	2	0.64
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG13	2	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG11	2	0.64
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG12	2	0.64
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG13	2	0.64
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG11	2	0.64
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG12	2	0.64
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG13	2	0.64
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG11	2	0.64
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG12	2	0.64
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG13	2	0.64
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG11	12	0.64
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG12	12	0.64
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG13	12	0.64
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG11	12	0.64
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG12	12	0.64
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG13	12	0.64
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG11	12	0.64
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG12	12	0.64
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG13	12	0.64
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG11	12	0.64
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG12	12	0.64
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG13	12	0.64
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG11	12	0.64
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG12	12	0.64
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG13	12	0.64
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG11	12	0.64
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG12	12	0.64
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG13	12	0.64
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG21	14	0.64
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG22	14	0.64
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG23	14	0.64
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG21	14	0.64
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG22	14	0.64
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG23	14	0.64
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG21	14	0.64
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG22	14	0.64
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG23	14	0.64
(1,1297)	1:22:A:VAL:HG21	1:23:A:VAL:H	12	0.64
(1,1297)	1:22:A:VAL:HG22	1:23:A:VAL:H	12	0.64
(1,1297)	1:22:A:VAL:HG23	1:23:A:VAL:H	12	0.64
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG21	10	0.64
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG22	10	0.64
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG23	10	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG21	10	0.64
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG22	10	0.64
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG23	10	0.64
(1,1276)	1:119:A:VAL:HG21	1:120:A:ARG:H	19	0.64
(1,1276)	1:119:A:VAL:HG22	1:120:A:ARG:H	19	0.64
(1,1276)	1:119:A:VAL:HG23	1:120:A:ARG:H	19	0.64
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG21	4	0.64
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG22	4	0.64
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG23	4	0.64
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG21	17	0.64
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG22	17	0.64
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG23	17	0.64
(1,1170)	1:15:A:ASP:HB3	1:102:A:VAL:HG11	3	0.64
(1,1170)	1:15:A:ASP:HB3	1:102:A:VAL:HG12	3	0.64
(1,1170)	1:15:A:ASP:HB3	1:102:A:VAL:HG13	3	0.64
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG21	1	0.64
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG22	1	0.64
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG23	1	0.64
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG21	1	0.64
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG22	1	0.64
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG23	1	0.64
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG21	1	0.64
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG22	1	0.64
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG23	1	0.64
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD11	2	0.64
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD12	2	0.64
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD13	2	0.64
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD11	4	0.64
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD12	4	0.64
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD13	4	0.64
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG11	8	0.64
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG12	8	0.64
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG13	8	0.64
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG11	15	0.64
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG12	15	0.64
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG13	15	0.64
(1,860)	1:12:A:CYS:HB3	1:108:A:LEU:HG	13	0.64
(1,584)	1:48:A:PRO:HB2	1:49:A:VAL:HG11	18	0.64
(1,584)	1:48:A:PRO:HB2	1:49:A:VAL:HG12	18	0.64
(1,584)	1:48:A:PRO:HB2	1:49:A:VAL:HG13	18	0.64
(1,521)	1:51:A:VAL:HG11	1:53:A:LYS:HB2	6	0.64
(1,521)	1:51:A:VAL:HG12	1:53:A:LYS:HB2	6	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,521)	1:51:A:VAL:HG13	1:53:A:LYS:HB2	6	0.64
(1,519)	1:51:A:VAL:HG11	1:53:A:LYS:HB3	20	0.64
(1,519)	1:51:A:VAL:HG12	1:53:A:LYS:HB3	20	0.64
(1,519)	1:51:A:VAL:HG13	1:53:A:LYS:HB3	20	0.64
(1,469)	1:60:A:VAL:HG11	1:88:A:LYS:HB3	19	0.64
(1,469)	1:60:A:VAL:HG12	1:88:A:LYS:HB3	19	0.64
(1,469)	1:60:A:VAL:HG13	1:88:A:LYS:HB3	19	0.64
(1,469)	1:60:A:VAL:HG11	1:88:A:LYS:HB2	19	0.64
(1,469)	1:60:A:VAL:HG12	1:88:A:LYS:HB2	19	0.64
(1,469)	1:60:A:VAL:HG13	1:88:A:LYS:HB2	19	0.64
(1,465)	1:58:A:ARG:HB3	1:95:A:VAL:HG21	13	0.64
(1,465)	1:58:A:ARG:HB3	1:95:A:VAL:HG22	13	0.64
(1,465)	1:58:A:ARG:HB3	1:95:A:VAL:HG23	13	0.64
(1,360)	1:105:A:LEU:HD11	1:106:A:GLU:HG2	3	0.64
(1,360)	1:105:A:LEU:HD11	1:106:A:GLU:HG3	3	0.64
(1,360)	1:105:A:LEU:HD12	1:106:A:GLU:HG2	3	0.64
(1,360)	1:105:A:LEU:HD12	1:106:A:GLU:HG3	3	0.64
(1,360)	1:105:A:LEU:HD13	1:106:A:GLU:HG2	3	0.64
(1,360)	1:105:A:LEU:HD13	1:106:A:GLU:HG3	3	0.64
(1,221)	1:54:A:MET:HB3	1:96:A:ASN:HB2	2	0.64
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG21	13	0.64
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG22	13	0.64
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG23	13	0.64
(1,42)	1:63:A:ILE:HG13	1:80:A:GLY:HA2	1	0.64
(1,42)	1:63:A:ILE:HG13	1:80:A:GLY:HA2	2	0.64
(1,2877)	1:69:A:TRP:HD1	1:70:A:PRO:HD3	11	0.63
(1,2845)	1:76:A:CYS:HB3	1:78:A:PHE:HE1	5	0.63
(1,2845)	1:76:A:CYS:HB3	1:78:A:PHE:HE2	5	0.63
(1,2780)	1:61:A:VAL:HG11	1:78:A:PHE:HD1	7	0.63
(1,2780)	1:61:A:VAL:HG11	1:78:A:PHE:HD2	7	0.63
(1,2780)	1:61:A:VAL:HG12	1:78:A:PHE:HD1	7	0.63
(1,2780)	1:61:A:VAL:HG12	1:78:A:PHE:HD2	7	0.63
(1,2780)	1:61:A:VAL:HG13	1:78:A:PHE:HD1	7	0.63
(1,2780)	1:61:A:VAL:HG13	1:78:A:PHE:HD2	7	0.63
(1,2780)	1:61:A:VAL:HG11	1:78:A:PHE:HD1	18	0.63
(1,2780)	1:61:A:VAL:HG11	1:78:A:PHE:HD2	18	0.63
(1,2780)	1:61:A:VAL:HG12	1:78:A:PHE:HD1	18	0.63
(1,2780)	1:61:A:VAL:HG12	1:78:A:PHE:HD2	18	0.63
(1,2780)	1:61:A:VAL:HG13	1:78:A:PHE:HD1	18	0.63
(1,2780)	1:61:A:VAL:HG13	1:78:A:PHE:HD2	18	0.63
(1,2769)	1:79:A:PHE:HD1	1:109:A:LYS:HE3	20	0.63
(1,2769)	1:79:A:PHE:HD2	1:109:A:LYS:HE3	20	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2662)	1:7:A:PHE:HD1	1:9:A:SER:H	1	0.63
(1,2581)	1:54:A:MET:HB3	1:56:A:ASN:H	19	0.63
(1,2298)	1:61:A:VAL:HG11	1:65:A:ASP:H	12	0.63
(1,2298)	1:61:A:VAL:HG12	1:65:A:ASP:H	12	0.63
(1,2298)	1:61:A:VAL:HG13	1:65:A:ASP:H	12	0.63
(1,1958)	1:61:A:VAL:HG11	1:62:A:GLU:HA	12	0.63
(1,1958)	1:61:A:VAL:HG12	1:62:A:GLU:HA	12	0.63
(1,1958)	1:61:A:VAL:HG13	1:62:A:GLU:HA	12	0.63
(1,1876)	1:60:A:VAL:HG11	1:88:A:LYS:HA	7	0.63
(1,1876)	1:60:A:VAL:HG12	1:88:A:LYS:HA	7	0.63
(1,1876)	1:60:A:VAL:HG13	1:88:A:LYS:HA	7	0.63
(1,1713)	1:61:A:VAL:HG11	1:78:A:PHE:HB2	6	0.63
(1,1713)	1:61:A:VAL:HG12	1:78:A:PHE:HB2	6	0.63
(1,1713)	1:61:A:VAL:HG13	1:78:A:PHE:HB2	6	0.63
(1,1636)	1:85:A:SER:HA	1:90:A:GLN:HG2	9	0.63
(1,1587)	1:101:A:ILE:HG21	1:105:A:LEU:HB3	17	0.63
(1,1587)	1:101:A:ILE:HG22	1:105:A:LEU:HB3	17	0.63
(1,1587)	1:101:A:ILE:HG23	1:105:A:LEU:HB3	17	0.63
(1,1516)	1:2:A:ARG:HG3	1:102:A:VAL:HG21	8	0.63
(1,1516)	1:2:A:ARG:HG3	1:102:A:VAL:HG22	8	0.63
(1,1516)	1:2:A:ARG:HG3	1:102:A:VAL:HG23	8	0.63
(1,1393)	1:48:A:PRO:HA	1:49:A:VAL:HG11	4	0.63
(1,1393)	1:48:A:PRO:HA	1:49:A:VAL:HG12	4	0.63
(1,1393)	1:48:A:PRO:HA	1:49:A:VAL:HG13	4	0.63
(1,1393)	1:48:A:PRO:HA	1:49:A:VAL:HG11	11	0.63
(1,1393)	1:48:A:PRO:HA	1:49:A:VAL:HG12	11	0.63
(1,1393)	1:48:A:PRO:HA	1:49:A:VAL:HG13	11	0.63
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG11	15	0.63
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG12	15	0.63
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG13	15	0.63
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG11	15	0.63
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG12	15	0.63
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG13	15	0.63
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG11	15	0.63
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG12	15	0.63
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG13	15	0.63
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG11	15	0.63
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG12	15	0.63
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG13	15	0.63
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG11	15	0.63
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG12	15	0.63
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG13	15	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG11	15	0.63
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG12	15	0.63
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG13	15	0.63
(1,1304)	1:22:A:VAL:HG21	1:98:A:ILE:HB	7	0.63
(1,1304)	1:22:A:VAL:HG22	1:98:A:ILE:HB	7	0.63
(1,1304)	1:22:A:VAL:HG23	1:98:A:ILE:HB	7	0.63
(1,1298)	1:22:A:VAL:HG21	1:96:A:ASN:HD21	6	0.63
(1,1298)	1:22:A:VAL:HG22	1:96:A:ASN:HD21	6	0.63
(1,1298)	1:22:A:VAL:HG23	1:96:A:ASN:HD21	6	0.63
(1,1276)	1:119:A:VAL:HG21	1:120:A:ARG:H	18	0.63
(1,1276)	1:119:A:VAL:HG22	1:120:A:ARG:H	18	0.63
(1,1276)	1:119:A:VAL:HG23	1:120:A:ARG:H	18	0.63
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG21	16	0.63
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG22	16	0.63
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG23	16	0.63
(1,1260)	1:60:A:VAL:HG11	1:89:A:ILE:H	15	0.63
(1,1260)	1:60:A:VAL:HG12	1:89:A:ILE:H	15	0.63
(1,1260)	1:60:A:VAL:HG13	1:89:A:ILE:H	15	0.63
(1,1239)	1:108:A:LEU:HD21	1:110:A:LYS:HG2	4	0.63
(1,1239)	1:108:A:LEU:HD22	1:110:A:LYS:HG2	4	0.63
(1,1239)	1:108:A:LEU:HD23	1:110:A:LYS:HG2	4	0.63
(1,1203)	1:100:A:LYS:H	1:102:A:VAL:HG11	14	0.63
(1,1203)	1:100:A:LYS:H	1:102:A:VAL:HG12	14	0.63
(1,1203)	1:100:A:LYS:H	1:102:A:VAL:HG13	14	0.63
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG11	11	0.63
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG12	11	0.63
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG13	11	0.63
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG11	11	0.63
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG12	11	0.63
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG13	11	0.63
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG11	11	0.63
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG12	11	0.63
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG13	11	0.63
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD11	14	0.63
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD12	14	0.63
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD13	14	0.63
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD21	16	0.63
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD22	16	0.63
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD23	16	0.63
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD21	16	0.63
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD22	16	0.63
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD23	16	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD21	13	0.63
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD22	13	0.63
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD23	13	0.63
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD21	16	0.63
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD22	16	0.63
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD23	16	0.63
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG11	3	0.63
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG12	3	0.63
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG13	3	0.63
(1,860)	1:12:A:CYS:HB3	1:108:A:LEU:HG	6	0.63
(1,840)	1:4:A:GLU:H	1:5:A:LEU:HD11	9	0.63
(1,840)	1:4:A:GLU:H	1:5:A:LEU:HD12	9	0.63
(1,840)	1:4:A:GLU:H	1:5:A:LEU:HD13	9	0.63
(1,793)	1:77:A:LEU:HB2	1:108:A:LEU:HD11	8	0.63
(1,793)	1:77:A:LEU:HB2	1:108:A:LEU:HD12	8	0.63
(1,793)	1:77:A:LEU:HB2	1:108:A:LEU:HD13	8	0.63
(1,793)	1:77:A:LEU:HB3	1:108:A:LEU:HD11	8	0.63
(1,793)	1:77:A:LEU:HB3	1:108:A:LEU:HD12	8	0.63
(1,793)	1:77:A:LEU:HB3	1:108:A:LEU:HD13	8	0.63
(1,761)	1:5:A:LEU:HD21	1:14:A:ILE:HG13	6	0.63
(1,761)	1:5:A:LEU:HD22	1:14:A:ILE:HG13	6	0.63
(1,761)	1:5:A:LEU:HD23	1:14:A:ILE:HG13	6	0.63
(1,704)	1:81:A:LYS:HD2	1:89:A:ILE:HD11	5	0.63
(1,704)	1:81:A:LYS:HD2	1:89:A:ILE:HD12	5	0.63
(1,704)	1:81:A:LYS:HD2	1:89:A:ILE:HD13	5	0.63
(1,691)	1:62:A:GLU:HA	1:63:A:ILE:HG12	4	0.63
(1,691)	1:62:A:GLU:HA	1:63:A:ILE:HG12	13	0.63
(1,658)	1:72:A:GLY:HA3	1:73:A:LYS:HD2	10	0.63
(1,658)	1:72:A:GLY:HA3	1:73:A:LYS:HD3	10	0.63
(1,633)	1:56:A:ASN:HB2	1:97:A:VAL:HB	14	0.63
(1,609)	1:58:A:ARG:HA	1:59:A:GLU:HB3	7	0.63
(1,477)	1:112:A:LYS:HB2	1:112:A:LYS:HE2	20	0.63
(1,355)	1:102:A:VAL:HG21	1:103:A:GLU:HG3	14	0.63
(1,355)	1:102:A:VAL:HG22	1:103:A:GLU:HG3	14	0.63
(1,355)	1:102:A:VAL:HG23	1:103:A:GLU:HG3	14	0.63
(1,351)	1:102:A:VAL:HG21	1:103:A:GLU:HG2	16	0.63
(1,351)	1:102:A:VAL:HG22	1:103:A:GLU:HG2	16	0.63
(1,351)	1:102:A:VAL:HG23	1:103:A:GLU:HG2	16	0.63
(1,261)	1:3:A:VAL:HA	1:121:A:PHE:HB2	11	0.63
(1,261)	1:3:A:VAL:HA	1:121:A:PHE:HB2	16	0.63
(1,175)	1:65:A:ASP:HB2	1:97:A:VAL:HA	6	0.63
(1,158)	1:62:A:GLU:HB3	1:65:A:ASP:HB2	13	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG21	19	0.63
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG22	19	0.63
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG23	19	0.63
(1,30)	1:15:A:ASP:HA	1:16:A:LEU:HB3	2	0.63
(1,30)	1:15:A:ASP:HA	1:16:A:LEU:HB3	7	0.63
(1,2744)	1:7:A:PHE:HB3	1:10:A:GLY:H	15	0.62
(1,2537)	1:19:A:GLU:H	1:19:A:GLU:HB3	1	0.62
(1,2537)	1:19:A:GLU:H	1:19:A:GLU:HB3	15	0.62
(1,2500)	1:123:A:SER:H	1:123:A:SER:HB2	1	0.62
(1,2500)	1:123:A:SER:H	1:123:A:SER:HB2	5	0.62
(1,2500)	1:123:A:SER:H	1:123:A:SER:HB2	10	0.62
(1,2445)	1:32:A:PHE:HB3	1:33:A:GLU:H	8	0.62
(1,2336)	1:102:A:VAL:HG21	1:103:A:GLU:H	16	0.62
(1,2336)	1:102:A:VAL:HG22	1:103:A:GLU:H	16	0.62
(1,2336)	1:102:A:VAL:HG23	1:103:A:GLU:H	16	0.62
(1,2320)	1:96:A:ASN:H	1:96:A:ASN:HD22	17	0.62
(1,2296)	1:65:A:ASP:H	1:65:A:ASP:HB3	11	0.62
(1,2296)	1:65:A:ASP:H	1:65:A:ASP:HB3	19	0.62
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG21	20	0.62
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG22	20	0.62
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG23	20	0.62
(1,2147)	1:18:A:GLU:H	1:18:A:GLU:HG2	11	0.62
(1,1958)	1:61:A:VAL:HG11	1:62:A:GLU:HA	9	0.62
(1,1958)	1:61:A:VAL:HG12	1:62:A:GLU:HA	9	0.62
(1,1958)	1:61:A:VAL:HG13	1:62:A:GLU:HA	9	0.62
(1,1958)	1:61:A:VAL:HG11	1:62:A:GLU:HA	15	0.62
(1,1958)	1:61:A:VAL:HG12	1:62:A:GLU:HA	15	0.62
(1,1958)	1:61:A:VAL:HG13	1:62:A:GLU:HA	15	0.62
(1,1795)	1:34:A:SER:HA	1:35:A:VAL:HG21	15	0.62
(1,1795)	1:34:A:SER:HA	1:35:A:VAL:HG22	15	0.62
(1,1795)	1:34:A:SER:HA	1:35:A:VAL:HG23	15	0.62
(1,1711)	1:61:A:VAL:HG11	1:78:A:PHE:HB3	19	0.62
(1,1711)	1:61:A:VAL:HG12	1:78:A:PHE:HB3	19	0.62
(1,1711)	1:61:A:VAL:HG13	1:78:A:PHE:HB3	19	0.62
(1,1598)	1:14:A:ILE:HA	1:102:A:VAL:HG21	3	0.62
(1,1598)	1:14:A:ILE:HA	1:102:A:VAL:HG22	3	0.62
(1,1598)	1:14:A:ILE:HA	1:102:A:VAL:HG23	3	0.62
(1,1514)	1:101:A:ILE:HA	1:102:A:VAL:HG21	3	0.62
(1,1514)	1:101:A:ILE:HA	1:102:A:VAL:HG22	3	0.62
(1,1514)	1:101:A:ILE:HA	1:102:A:VAL:HG23	3	0.62
(1,1514)	1:101:A:ILE:HA	1:102:A:VAL:HG21	11	0.62
(1,1514)	1:101:A:ILE:HA	1:102:A:VAL:HG22	11	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1514)	1:101:A:ILE:HA	1:102:A:VAL:HG23	11	0.62
(1,1514)	1:101:A:ILE:HA	1:102:A:VAL:HG21	16	0.62
(1,1514)	1:101:A:ILE:HA	1:102:A:VAL:HG22	16	0.62
(1,1514)	1:101:A:ILE:HA	1:102:A:VAL:HG23	16	0.62
(1,1445)	1:27:A:LYS:HA	1:27:A:LYS:HG3	14	0.62
(1,1407)	1:22:A:VAL:HG11	1:26:A:LEU:HG	15	0.62
(1,1407)	1:22:A:VAL:HG12	1:26:A:LEU:HG	15	0.62
(1,1407)	1:22:A:VAL:HG13	1:26:A:LEU:HG	15	0.62
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG11	16	0.62
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG12	16	0.62
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG13	16	0.62
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG11	16	0.62
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG12	16	0.62
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG13	16	0.62
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG11	16	0.62
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG12	16	0.62
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG13	16	0.62
(1,1276)	1:119:A:VAL:HG21	1:120:A:ARG:H	2	0.62
(1,1276)	1:119:A:VAL:HG22	1:120:A:ARG:H	2	0.62
(1,1276)	1:119:A:VAL:HG23	1:120:A:ARG:H	2	0.62
(1,1276)	1:119:A:VAL:HG21	1:120:A:ARG:H	15	0.62
(1,1276)	1:119:A:VAL:HG22	1:120:A:ARG:H	15	0.62
(1,1276)	1:119:A:VAL:HG23	1:120:A:ARG:H	15	0.62
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG21	16	0.62
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG22	16	0.62
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG23	16	0.62
(1,1232)	1:66:A:VAL:HG21	1:101:A:ILE:HA	6	0.62
(1,1232)	1:66:A:VAL:HG22	1:101:A:ILE:HA	6	0.62
(1,1232)	1:66:A:VAL:HG23	1:101:A:ILE:HA	6	0.62
(1,1051)	1:58:A:ARG:HG2	1:97:A:VAL:HG21	12	0.62
(1,1051)	1:58:A:ARG:HG2	1:97:A:VAL:HG22	12	0.62
(1,1051)	1:58:A:ARG:HG2	1:97:A:VAL:HG23	12	0.62
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD21	4	0.62
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD22	4	0.62
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD23	4	0.62
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD11	3	0.62
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD12	3	0.62
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD13	3	0.62
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD11	3	0.62
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD12	3	0.62
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD13	3	0.62
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD21	2	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD22	2	0.62
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD23	2	0.62
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD21	11	0.62
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD22	11	0.62
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD23	11	0.62
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG11	11	0.62
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG12	11	0.62
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG13	11	0.62
(1,789)	1:79:A:PHE:HB3	1:108:A:LEU:HD11	12	0.62
(1,789)	1:79:A:PHE:HB3	1:108:A:LEU:HD12	12	0.62
(1,789)	1:79:A:PHE:HB3	1:108:A:LEU:HD13	12	0.62
(1,653)	1:30:A:ILE:HG13	1:32:A:PHE:H	1	0.62
(1,633)	1:56:A:ASN:HB2	1:97:A:VAL:HB	10	0.62
(1,609)	1:58:A:ARG:HA	1:59:A:GLU:HB3	15	0.62
(1,609)	1:58:A:ARG:HA	1:59:A:GLU:HB3	19	0.62
(1,571)	1:85:A:SER:HB3	1:90:A:GLN:HB3	14	0.62
(1,400)	1:21:A:GLU:HG2	1:25:A:LEU:HD11	20	0.62
(1,400)	1:21:A:GLU:HG2	1:25:A:LEU:HD12	20	0.62
(1,400)	1:21:A:GLU:HG2	1:25:A:LEU:HD13	20	0.62
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG2	6	0.62
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG3	6	0.62
(1,358)	1:54:A:MET:HB3	1:57:A:PRO:HB3	8	0.62
(1,289)	1:7:A:PHE:HA	1:8:A:GLU:HG3	7	0.62
(1,239)	1:18:A:GLU:HG3	1:24:A:LYS:HG2	18	0.62
(1,80)	1:2:A:ARG:HD2	1:15:A:ASP:HB3	20	0.62
(1,2910)	1:39:A:TRP:HZ2	1:84:A:MET:HB3	3	0.61
(1,2902)	1:20:A:TYR:HE1	1:56:A:ASN:HB3	8	0.61
(1,2902)	1:20:A:TYR:HE2	1:56:A:ASN:HB3	8	0.61
(1,2902)	1:20:A:TYR:HE1	1:56:A:ASN:HB3	15	0.61
(1,2902)	1:20:A:TYR:HE2	1:56:A:ASN:HB3	15	0.61
(1,2887)	1:69:A:TRP:HZ3	1:72:A:GLY:HA2	11	0.61
(1,2780)	1:61:A:VAL:HG11	1:78:A:PHE:HD1	3	0.61
(1,2780)	1:61:A:VAL:HG11	1:78:A:PHE:HD2	3	0.61
(1,2780)	1:61:A:VAL:HG12	1:78:A:PHE:HD1	3	0.61
(1,2780)	1:61:A:VAL:HG12	1:78:A:PHE:HD2	3	0.61
(1,2780)	1:61:A:VAL:HG13	1:78:A:PHE:HD1	3	0.61
(1,2780)	1:61:A:VAL:HG13	1:78:A:PHE:HD2	3	0.61
(1,2744)	1:7:A:PHE:HB3	1:10:A:GLY:H	20	0.61
(1,2630)	1:106:A:GLU:H	1:106:A:GLU:HB3	8	0.61
(1,2511)	1:58:A:ARG:HB2	1:60:A:VAL:H	3	0.61
(1,2511)	1:58:A:ARG:HB2	1:60:A:VAL:H	4	0.61
(1,2500)	1:123:A:SER:H	1:123:A:SER:HB2	9	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG11	19	0.61
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG12	19	0.61
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG13	19	0.61
(1,2445)	1:32:A:PHE:HB3	1:33:A:GLU:H	4	0.61
(1,2336)	1:102:A:VAL:HG21	1:103:A:GLU:H	10	0.61
(1,2336)	1:102:A:VAL:HG22	1:103:A:GLU:H	10	0.61
(1,2336)	1:102:A:VAL:HG23	1:103:A:GLU:H	10	0.61
(1,2297)	1:62:A:GLU:HB3	1:65:A:ASP:H	10	0.61
(1,2296)	1:65:A:ASP:H	1:65:A:ASP:HB3	1	0.61
(1,2296)	1:65:A:ASP:H	1:65:A:ASP:HB3	17	0.61
(1,2296)	1:65:A:ASP:H	1:65:A:ASP:HB3	20	0.61
(1,2276)	1:116:A:LYS:H	1:116:A:LYS:HG3	3	0.61
(1,2147)	1:18:A:GLU:H	1:18:A:GLU:HG2	14	0.61
(1,2135)	1:39:A:TRP:H	1:42:A:GLU:HB2	6	0.61
(1,2080)	1:56:A:ASN:HB2	1:97:A:VAL:H	11	0.61
(1,2047)	1:26:A:LEU:HD11	1:48:A:PRO:HD2	5	0.61
(1,2047)	1:26:A:LEU:HD12	1:48:A:PRO:HD2	5	0.61
(1,2047)	1:26:A:LEU:HD13	1:48:A:PRO:HD2	5	0.61
(1,2047)	1:26:A:LEU:HD11	1:48:A:PRO:HD2	15	0.61
(1,2047)	1:26:A:LEU:HD12	1:48:A:PRO:HD2	15	0.61
(1,2047)	1:26:A:LEU:HD13	1:48:A:PRO:HD2	15	0.61
(1,1876)	1:60:A:VAL:HG11	1:88:A:LYS:HA	1	0.61
(1,1876)	1:60:A:VAL:HG12	1:88:A:LYS:HA	1	0.61
(1,1876)	1:60:A:VAL:HG13	1:88:A:LYS:HA	1	0.61
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG21	16	0.61
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG22	16	0.61
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG23	16	0.61
(1,1653)	1:34:A:SER:HB2	1:117:A:VAL:HG11	2	0.61
(1,1653)	1:34:A:SER:HB2	1:117:A:VAL:HG12	2	0.61
(1,1653)	1:34:A:SER:HB2	1:117:A:VAL:HG13	2	0.61
(1,1653)	1:34:A:SER:HB3	1:117:A:VAL:HG11	2	0.61
(1,1653)	1:34:A:SER:HB3	1:117:A:VAL:HG12	2	0.61
(1,1653)	1:34:A:SER:HB3	1:117:A:VAL:HG13	2	0.61
(1,1652)	1:116:A:LYS:HA	1:117:A:VAL:HG11	5	0.61
(1,1652)	1:116:A:LYS:HA	1:117:A:VAL:HG12	5	0.61
(1,1652)	1:116:A:LYS:HA	1:117:A:VAL:HG13	5	0.61
(1,1516)	1:2:A:ARG:HG3	1:102:A:VAL:HG21	2	0.61
(1,1516)	1:2:A:ARG:HG3	1:102:A:VAL:HG22	2	0.61
(1,1516)	1:2:A:ARG:HG3	1:102:A:VAL:HG23	2	0.61
(1,1514)	1:101:A:ILE:HA	1:102:A:VAL:HG21	8	0.61
(1,1514)	1:101:A:ILE:HA	1:102:A:VAL:HG22	8	0.61
(1,1514)	1:101:A:ILE:HA	1:102:A:VAL:HG23	8	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1514)	1:101:A:ILE:HA	1:102:A:VAL:HG21	10	0.61
(1,1514)	1:101:A:ILE:HA	1:102:A:VAL:HG22	10	0.61
(1,1514)	1:101:A:ILE:HA	1:102:A:VAL:HG23	10	0.61
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG11	18	0.61
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG12	18	0.61
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG13	18	0.61
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG11	18	0.61
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG12	18	0.61
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG13	18	0.61
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG11	18	0.61
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG12	18	0.61
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG13	18	0.61
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG11	13	0.61
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG12	13	0.61
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG13	13	0.61
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG11	13	0.61
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG12	13	0.61
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG13	13	0.61
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG11	13	0.61
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG12	13	0.61
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG13	13	0.61
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG11	13	0.61
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG12	13	0.61
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG13	13	0.61
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG11	13	0.61
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG12	13	0.61
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG13	13	0.61
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG11	13	0.61
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG12	13	0.61
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG13	13	0.61
(1,1298)	1:22:A:VAL:HG21	1:96:A:ASN:HD21	20	0.61
(1,1298)	1:22:A:VAL:HG22	1:96:A:ASN:HD21	20	0.61
(1,1298)	1:22:A:VAL:HG23	1:96:A:ASN:HD21	20	0.61
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG21	6	0.61
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG22	6	0.61
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG23	6	0.61
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG21	6	0.61
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG22	6	0.61
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG23	6	0.61
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG21	7	0.61
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG22	7	0.61
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG23	7	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG21	7	0.61
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG22	7	0.61
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG23	7	0.61
(1,1293)	1:13:A:VAL:HG11	1:103:A:GLU:HB3	2	0.61
(1,1293)	1:13:A:VAL:HG12	1:103:A:GLU:HB3	2	0.61
(1,1293)	1:13:A:VAL:HG13	1:103:A:GLU:HB3	2	0.61
(1,1272)	1:51:A:VAL:HG11	1:53:A:LYS:H	15	0.61
(1,1272)	1:51:A:VAL:HG12	1:53:A:LYS:H	15	0.61
(1,1272)	1:51:A:VAL:HG13	1:53:A:LYS:H	15	0.61
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG21	6	0.61
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG22	6	0.61
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG23	6	0.61
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG21	1	0.61
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG22	1	0.61
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG23	1	0.61
(1,1239)	1:108:A:LEU:HD21	1:110:A:LYS:HG2	18	0.61
(1,1239)	1:108:A:LEU:HD22	1:110:A:LYS:HG2	18	0.61
(1,1239)	1:108:A:LEU:HD23	1:110:A:LYS:HG2	18	0.61
(1,1055)	1:26:A:LEU:HD11	1:29:A:LYS:H	1	0.61
(1,1055)	1:26:A:LEU:HD12	1:29:A:LYS:H	1	0.61
(1,1055)	1:26:A:LEU:HD13	1:29:A:LYS:H	1	0.61
(1,1032)	1:26:A:LEU:HD11	1:47:A:THR:HB	16	0.61
(1,1032)	1:26:A:LEU:HD12	1:47:A:THR:HB	16	0.61
(1,1032)	1:26:A:LEU:HD13	1:47:A:THR:HB	16	0.61
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG11	5	0.61
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG12	5	0.61
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG13	5	0.61
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG21	1	0.61
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG22	1	0.61
(1,657)	1:18:A:GLU:HB2	1:23:A:VAL:HG23	1	0.61
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG21	1	0.61
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG22	1	0.61
(1,657)	1:18:A:GLU:HB3	1:23:A:VAL:HG23	1	0.61
(1,598)	1:12:A:CYS:HB2	1:101:A:ILE:HG21	13	0.61
(1,598)	1:12:A:CYS:HB2	1:101:A:ILE:HG22	13	0.61
(1,598)	1:12:A:CYS:HB2	1:101:A:ILE:HG23	13	0.61
(1,535)	1:23:A:VAL:H	1:24:A:LYS:HB3	18	0.61
(1,360)	1:105:A:LEU:HD11	1:106:A:GLU:HG2	2	0.61
(1,360)	1:105:A:LEU:HD11	1:106:A:GLU:HG3	2	0.61
(1,360)	1:105:A:LEU:HD12	1:106:A:GLU:HG2	2	0.61
(1,360)	1:105:A:LEU:HD12	1:106:A:GLU:HG3	2	0.61
(1,360)	1:105:A:LEU:HD13	1:106:A:GLU:HG2	2	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,360)	1:105:A:LEU:HD13	1:106:A:GLU:HG3	2	0.61
(1,355)	1:102:A:VAL:HG21	1:103:A:GLU:HG3	11	0.61
(1,355)	1:102:A:VAL:HG22	1:103:A:GLU:HG3	11	0.61
(1,355)	1:102:A:VAL:HG23	1:103:A:GLU:HG3	11	0.61
(1,229)	1:50:A:ASN:HB3	1:73:A:LYS:HD2	10	0.61
(1,229)	1:50:A:ASN:HB3	1:73:A:LYS:HD3	10	0.61
(1,53)	1:72:A:GLY:HA2	1:74:A:ALA:H	16	0.61
(1,30)	1:15:A:ASP:HA	1:16:A:LEU:HB3	16	0.61
(1,2887)	1:69:A:TRP:HZ3	1:72:A:GLY:HA2	1	0.6
(1,2877)	1:69:A:TRP:HD1	1:70:A:PRO:HD3	17	0.6
(1,2781)	1:65:A:ASP:HB3	1:78:A:PHE:HD1	7	0.6
(1,2781)	1:65:A:ASP:HB3	1:78:A:PHE:HD2	7	0.6
(1,2780)	1:61:A:VAL:HG11	1:78:A:PHE:HD1	16	0.6
(1,2780)	1:61:A:VAL:HG11	1:78:A:PHE:HD2	16	0.6
(1,2780)	1:61:A:VAL:HG12	1:78:A:PHE:HD1	16	0.6
(1,2780)	1:61:A:VAL:HG12	1:78:A:PHE:HD2	16	0.6
(1,2780)	1:61:A:VAL:HG13	1:78:A:PHE:HD1	16	0.6
(1,2780)	1:61:A:VAL:HG13	1:78:A:PHE:HD2	16	0.6
(1,2619)	1:26:A:LEU:HD11	1:49:A:VAL:H	16	0.6
(1,2619)	1:26:A:LEU:HD12	1:49:A:VAL:H	16	0.6
(1,2619)	1:26:A:LEU:HD13	1:49:A:VAL:H	16	0.6
(1,2511)	1:58:A:ARG:HB2	1:60:A:VAL:H	12	0.6
(1,2445)	1:32:A:PHE:HB3	1:33:A:GLU:H	6	0.6
(1,2320)	1:96:A:ASN:H	1:96:A:ASN:HD22	5	0.6
(1,2296)	1:65:A:ASP:H	1:65:A:ASP:HB3	12	0.6
(1,2269)	1:30:A:ILE:H	1:30:A:ILE:HG12	19	0.6
(1,2135)	1:39:A:TRP:H	1:42:A:GLU:HB2	3	0.6
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG11	3	0.6
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG12	3	0.6
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG13	3	0.6
(1,1958)	1:61:A:VAL:HG11	1:62:A:GLU:HA	3	0.6
(1,1958)	1:61:A:VAL:HG12	1:62:A:GLU:HA	3	0.6
(1,1958)	1:61:A:VAL:HG13	1:62:A:GLU:HA	3	0.6
(1,1958)	1:61:A:VAL:HG11	1:62:A:GLU:HA	10	0.6
(1,1958)	1:61:A:VAL:HG12	1:62:A:GLU:HA	10	0.6
(1,1958)	1:61:A:VAL:HG13	1:62:A:GLU:HA	10	0.6
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD11	14	0.6
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD12	14	0.6
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD13	14	0.6
(1,1713)	1:61:A:VAL:HG11	1:78:A:PHE:HB2	14	0.6
(1,1713)	1:61:A:VAL:HG12	1:78:A:PHE:HB2	14	0.6
(1,1713)	1:61:A:VAL:HG13	1:78:A:PHE:HB2	14	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1711)	1:61:A:VAL:HG11	1:78:A:PHE:HB3	7	0.6
(1,1711)	1:61:A:VAL:HG12	1:78:A:PHE:HB3	7	0.6
(1,1711)	1:61:A:VAL:HG13	1:78:A:PHE:HB3	7	0.6
(1,1587)	1:101:A:ILE:HG21	1:105:A:LEU:HB3	13	0.6
(1,1587)	1:101:A:ILE:HG22	1:105:A:LEU:HB3	13	0.6
(1,1587)	1:101:A:ILE:HG23	1:105:A:LEU:HB3	13	0.6
(1,1514)	1:101:A:ILE:HA	1:102:A:VAL:HG21	14	0.6
(1,1514)	1:101:A:ILE:HA	1:102:A:VAL:HG22	14	0.6
(1,1514)	1:101:A:ILE:HA	1:102:A:VAL:HG23	14	0.6
(1,1445)	1:27:A:LYS:HA	1:27:A:LYS:HG3	11	0.6
(1,1445)	1:27:A:LYS:HA	1:27:A:LYS:HG3	13	0.6
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG11	2	0.6
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG12	2	0.6
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG13	2	0.6
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG11	2	0.6
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG12	2	0.6
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG13	2	0.6
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG11	2	0.6
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG12	2	0.6
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG13	2	0.6
(1,1393)	1:48:A:PRO:HA	1:49:A:VAL:HG11	3	0.6
(1,1393)	1:48:A:PRO:HA	1:49:A:VAL:HG12	3	0.6
(1,1393)	1:48:A:PRO:HA	1:49:A:VAL:HG13	3	0.6
(1,1330)	1:35:A:VAL:HG21	1:116:A:LYS:HE3	1	0.6
(1,1330)	1:35:A:VAL:HG22	1:116:A:LYS:HE3	1	0.6
(1,1330)	1:35:A:VAL:HG23	1:116:A:LYS:HE3	1	0.6
(1,1276)	1:119:A:VAL:HG21	1:120:A:ARG:H	1	0.6
(1,1276)	1:119:A:VAL:HG22	1:120:A:ARG:H	1	0.6
(1,1276)	1:119:A:VAL:HG23	1:120:A:ARG:H	1	0.6
(1,1276)	1:119:A:VAL:HG21	1:120:A:ARG:H	14	0.6
(1,1276)	1:119:A:VAL:HG22	1:120:A:ARG:H	14	0.6
(1,1276)	1:119:A:VAL:HG23	1:120:A:ARG:H	14	0.6
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG21	13	0.6
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG22	13	0.6
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG23	13	0.6
(1,1200)	1:61:A:VAL:HG21	1:95:A:VAL:HG11	5	0.6
(1,1200)	1:61:A:VAL:HG21	1:95:A:VAL:HG12	5	0.6
(1,1200)	1:61:A:VAL:HG21	1:95:A:VAL:HG13	5	0.6
(1,1200)	1:61:A:VAL:HG22	1:95:A:VAL:HG11	5	0.6
(1,1200)	1:61:A:VAL:HG22	1:95:A:VAL:HG12	5	0.6
(1,1200)	1:61:A:VAL:HG22	1:95:A:VAL:HG13	5	0.6
(1,1200)	1:61:A:VAL:HG23	1:95:A:VAL:HG11	5	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1200)	1:61:A:VAL:HG23	1:95:A:VAL:HG12	5	0.6
(1,1200)	1:61:A:VAL:HG23	1:95:A:VAL:HG13	5	0.6
(1,1023)	1:21:A:GLU:HB2	1:53:A:LYS:HG3	8	0.6
(1,1023)	1:21:A:GLU:HB3	1:53:A:LYS:HG3	8	0.6
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD11	5	0.6
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD12	5	0.6
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD13	5	0.6
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD11	5	0.6
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD12	5	0.6
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD13	5	0.6
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD11	17	0.6
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD12	17	0.6
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD13	17	0.6
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD11	17	0.6
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD12	17	0.6
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD13	17	0.6
(1,963)	1:79:A:PHE:HA	1:105:A:LEU:HD21	15	0.6
(1,963)	1:79:A:PHE:HA	1:105:A:LEU:HD22	15	0.6
(1,963)	1:79:A:PHE:HA	1:105:A:LEU:HD23	15	0.6
(1,831)	1:108:A:LEU:HD21	1:111:A:ILE:HG12	6	0.6
(1,831)	1:108:A:LEU:HD22	1:111:A:ILE:HG12	6	0.6
(1,831)	1:108:A:LEU:HD23	1:111:A:ILE:HG12	6	0.6
(1,826)	1:7:A:PHE:HD1	1:111:A:ILE:HG12	16	0.6
(1,825)	1:7:A:PHE:HB3	1:111:A:ILE:HG12	4	0.6
(1,811)	1:6:A:LEU:HG	1:7:A:PHE:HD2	5	0.6
(1,704)	1:81:A:LYS:HD2	1:89:A:ILE:HD11	19	0.6
(1,704)	1:81:A:LYS:HD2	1:89:A:ILE:HD12	19	0.6
(1,704)	1:81:A:LYS:HD2	1:89:A:ILE:HD13	19	0.6
(1,571)	1:85:A:SER:HB3	1:90:A:GLN:HB3	17	0.6
(1,540)	1:42:A:GLU:HG3	1:78:A:PHE:HD1	5	0.6
(1,540)	1:42:A:GLU:HG3	1:78:A:PHE:HD2	5	0.6
(1,469)	1:60:A:VAL:HG11	1:88:A:LYS:HB3	17	0.6
(1,469)	1:60:A:VAL:HG12	1:88:A:LYS:HB3	17	0.6
(1,469)	1:60:A:VAL:HG13	1:88:A:LYS:HB3	17	0.6
(1,469)	1:60:A:VAL:HG11	1:88:A:LYS:HB2	17	0.6
(1,469)	1:60:A:VAL:HG12	1:88:A:LYS:HB2	17	0.6
(1,469)	1:60:A:VAL:HG13	1:88:A:LYS:HB2	17	0.6
(1,261)	1:3:A:VAL:HA	1:121:A:PHE:HB2	18	0.6
(1,77)	1:2:A:ARG:HD3	1:15:A:ASP:HB3	7	0.6
(1,2877)	1:69:A:TRP:HD1	1:70:A:PRO:HD3	1	0.59
(1,2877)	1:69:A:TRP:HD1	1:70:A:PRO:HD3	10	0.59
(1,2780)	1:61:A:VAL:HG11	1:78:A:PHE:HD1	13	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2780)	1:61:A:VAL:HG11	1:78:A:PHE:HD2	13	0.59
(1,2780)	1:61:A:VAL:HG12	1:78:A:PHE:HD1	13	0.59
(1,2780)	1:61:A:VAL:HG12	1:78:A:PHE:HD2	13	0.59
(1,2780)	1:61:A:VAL:HG13	1:78:A:PHE:HD1	13	0.59
(1,2780)	1:61:A:VAL:HG13	1:78:A:PHE:HD2	13	0.59
(1,2722)	1:61:A:VAL:HG21	1:95:A:VAL:H	4	0.59
(1,2722)	1:61:A:VAL:HG22	1:95:A:VAL:H	4	0.59
(1,2722)	1:61:A:VAL:HG23	1:95:A:VAL:H	4	0.59
(1,2631)	1:105:A:LEU:HB2	1:106:A:GLU:H	14	0.59
(1,2630)	1:106:A:GLU:H	1:106:A:GLU:HB3	5	0.59
(1,2537)	1:19:A:GLU:H	1:19:A:GLU:HB3	6	0.59
(1,2537)	1:19:A:GLU:H	1:19:A:GLU:HB3	9	0.59
(1,2296)	1:65:A:ASP:H	1:65:A:ASP:HB3	2	0.59
(1,2296)	1:65:A:ASP:H	1:65:A:ASP:HB3	5	0.59
(1,2296)	1:65:A:ASP:H	1:65:A:ASP:HB3	10	0.59
(1,1966)	1:2:A:ARG:HG3	1:15:A:ASP:HA	1	0.59
(1,1958)	1:61:A:VAL:HG11	1:62:A:GLU:HA	4	0.59
(1,1958)	1:61:A:VAL:HG12	1:62:A:GLU:HA	4	0.59
(1,1958)	1:61:A:VAL:HG13	1:62:A:GLU:HA	4	0.59
(1,1587)	1:101:A:ILE:HG21	1:105:A:LEU:HB3	18	0.59
(1,1587)	1:101:A:ILE:HG22	1:105:A:LEU:HB3	18	0.59
(1,1587)	1:101:A:ILE:HG23	1:105:A:LEU:HB3	18	0.59
(1,1574)	1:7:A:PHE:HB2	1:111:A:ILE:HG21	14	0.59
(1,1574)	1:7:A:PHE:HB2	1:111:A:ILE:HG22	14	0.59
(1,1574)	1:7:A:PHE:HB2	1:111:A:ILE:HG23	14	0.59
(1,1393)	1:48:A:PRO:HA	1:49:A:VAL:HG11	18	0.59
(1,1393)	1:48:A:PRO:HA	1:49:A:VAL:HG12	18	0.59
(1,1393)	1:48:A:PRO:HA	1:49:A:VAL:HG13	18	0.59
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG21	6	0.59
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG22	6	0.59
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG23	6	0.59
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG21	6	0.59
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG22	6	0.59
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG23	6	0.59
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG21	6	0.59
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG22	6	0.59
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG23	6	0.59
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG21	3	0.59
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG22	3	0.59
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG23	3	0.59
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG21	15	0.59
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG22	15	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG23	15	0.59
(1,1260)	1:60:A:VAL:HG11	1:89:A:ILE:H	14	0.59
(1,1260)	1:60:A:VAL:HG12	1:89:A:ILE:H	14	0.59
(1,1260)	1:60:A:VAL:HG13	1:89:A:ILE:H	14	0.59
(1,1055)	1:26:A:LEU:HD11	1:29:A:LYS:H	3	0.59
(1,1055)	1:26:A:LEU:HD12	1:29:A:LYS:H	3	0.59
(1,1055)	1:26:A:LEU:HD13	1:29:A:LYS:H	3	0.59
(1,1052)	1:58:A:ARG:HB3	1:97:A:VAL:HG21	6	0.59
(1,1052)	1:58:A:ARG:HB3	1:97:A:VAL:HG22	6	0.59
(1,1052)	1:58:A:ARG:HB3	1:97:A:VAL:HG23	6	0.59
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD11	3	0.59
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD12	3	0.59
(1,1033)	1:26:A:LEU:HA	1:26:A:LEU:HD13	3	0.59
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD11	8	0.59
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD12	8	0.59
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD13	8	0.59
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD11	8	0.59
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD12	8	0.59
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD13	8	0.59
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG11	16	0.59
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG12	16	0.59
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG13	16	0.59
(1,691)	1:62:A:GLU:HA	1:63:A:ILE:HG12	17	0.59
(1,540)	1:42:A:GLU:HG3	1:78:A:PHE:HD1	10	0.59
(1,540)	1:42:A:GLU:HG3	1:78:A:PHE:HD2	10	0.59
(1,386)	1:61:A:VAL:HG11	1:62:A:GLU:HG2	4	0.59
(1,386)	1:61:A:VAL:HG12	1:62:A:GLU:HG2	4	0.59
(1,386)	1:61:A:VAL:HG13	1:62:A:GLU:HG2	4	0.59
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG2	10	0.59
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG3	10	0.59
(1,360)	1:105:A:LEU:HD11	1:106:A:GLU:HG2	19	0.59
(1,360)	1:105:A:LEU:HD11	1:106:A:GLU:HG3	19	0.59
(1,360)	1:105:A:LEU:HD12	1:106:A:GLU:HG2	19	0.59
(1,360)	1:105:A:LEU:HD12	1:106:A:GLU:HG3	19	0.59
(1,360)	1:105:A:LEU:HD13	1:106:A:GLU:HG2	19	0.59
(1,360)	1:105:A:LEU:HD13	1:106:A:GLU:HG3	19	0.59
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG11	2	0.59
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG12	2	0.59
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG13	2	0.59
(1,261)	1:3:A:VAL:HA	1:121:A:PHE:HB2	2	0.59
(1,229)	1:50:A:ASN:HB3	1:73:A:LYS:HD2	4	0.59
(1,229)	1:50:A:ASN:HB3	1:73:A:LYS:HD3	4	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,229)	1:50:A:ASN:HB3	1:73:A:LYS:HD2	14	0.59
(1,229)	1:50:A:ASN:HB3	1:73:A:LYS:HD3	14	0.59
(1,158)	1:62:A:GLU:HB3	1:65:A:ASP:HB2	8	0.59
(1,158)	1:62:A:GLU:HB3	1:65:A:ASP:HB2	20	0.59
(1,133)	1:109:A:LYS:HA	1:109:A:LYS:HE3	20	0.59
(1,80)	1:2:A:ARG:HD2	1:15:A:ASP:HB3	17	0.59
(1,53)	1:72:A:GLY:HA2	1:74:A:ALA:H	15	0.59
(1,2894)	1:39:A:TRP:HZ3	1:84:A:MET:HB3	2	0.58
(1,2773)	1:79:A:PHE:HD1	1:109:A:LYS:HD3	15	0.58
(1,2773)	1:79:A:PHE:HD2	1:109:A:LYS:HD3	15	0.58
(1,2662)	1:7:A:PHE:HD1	1:9:A:SER:H	11	0.58
(1,2632)	1:81:A:LYS:HG3	1:82:A:THR:H	9	0.58
(1,2631)	1:105:A:LEU:HB2	1:106:A:GLU:H	3	0.58
(1,2581)	1:54:A:MET:HB3	1:56:A:ASN:H	3	0.58
(1,2445)	1:32:A:PHE:HB3	1:33:A:GLU:H	19	0.58
(1,2320)	1:96:A:ASN:H	1:96:A:ASN:HD22	20	0.58
(1,2296)	1:65:A:ASP:H	1:65:A:ASP:HB3	4	0.58
(1,2296)	1:65:A:ASP:H	1:65:A:ASP:HB3	8	0.58
(1,2269)	1:30:A:ILE:H	1:30:A:ILE:HG12	18	0.58
(1,2239)	1:33:A:GLU:HG3	1:119:A:VAL:H	10	0.58
(1,2155)	1:54:A:MET:H	1:96:A:ASN:HD21	6	0.58
(1,1909)	1:58:A:ARG:HA	1:58:A:ARG:HD3	13	0.58
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG21	20	0.58
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG22	20	0.58
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG23	20	0.58
(1,1587)	1:101:A:ILE:HG21	1:105:A:LEU:HB3	9	0.58
(1,1587)	1:101:A:ILE:HG22	1:105:A:LEU:HB3	9	0.58
(1,1587)	1:101:A:ILE:HG23	1:105:A:LEU:HB3	9	0.58
(1,1587)	1:101:A:ILE:HG21	1:105:A:LEU:HB3	16	0.58
(1,1587)	1:101:A:ILE:HG22	1:105:A:LEU:HB3	16	0.58
(1,1587)	1:101:A:ILE:HG23	1:105:A:LEU:HB3	16	0.58
(1,1572)	1:7:A:PHE:HD1	1:111:A:ILE:HG23	11	0.58
(1,1381)	1:61:A:VAL:HG21	1:97:A:VAL:HG11	10	0.58
(1,1381)	1:61:A:VAL:HG21	1:97:A:VAL:HG12	10	0.58
(1,1381)	1:61:A:VAL:HG21	1:97:A:VAL:HG13	10	0.58
(1,1381)	1:61:A:VAL:HG22	1:97:A:VAL:HG11	10	0.58
(1,1381)	1:61:A:VAL:HG22	1:97:A:VAL:HG12	10	0.58
(1,1381)	1:61:A:VAL:HG22	1:97:A:VAL:HG13	10	0.58
(1,1381)	1:61:A:VAL:HG23	1:97:A:VAL:HG11	10	0.58
(1,1381)	1:61:A:VAL:HG23	1:97:A:VAL:HG12	10	0.58
(1,1381)	1:61:A:VAL:HG23	1:97:A:VAL:HG13	10	0.58
(1,1297)	1:22:A:VAL:HG21	1:23:A:VAL:H	7	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1297)	1:22:A:VAL:HG22	1:23:A:VAL:H	7	0.58
(1,1297)	1:22:A:VAL:HG23	1:23:A:VAL:H	7	0.58
(1,1276)	1:119:A:VAL:HG21	1:120:A:ARG:H	10	0.58
(1,1276)	1:119:A:VAL:HG22	1:120:A:ARG:H	10	0.58
(1,1276)	1:119:A:VAL:HG23	1:120:A:ARG:H	10	0.58
(1,1268)	1:119:A:VAL:HG21	1:120:A:ARG:HG2	5	0.58
(1,1268)	1:119:A:VAL:HG22	1:120:A:ARG:HG2	5	0.58
(1,1268)	1:119:A:VAL:HG23	1:120:A:ARG:HG2	5	0.58
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG21	7	0.58
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG22	7	0.58
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG23	7	0.58
(1,937)	1:77:A:LEU:HD21	1:78:A:PHE:H	16	0.58
(1,937)	1:77:A:LEU:HD22	1:78:A:PHE:H	16	0.58
(1,937)	1:77:A:LEU:HD23	1:78:A:PHE:H	16	0.58
(1,932)	1:105:A:LEU:HD11	1:106:A:GLU:HA	13	0.58
(1,932)	1:105:A:LEU:HD12	1:106:A:GLU:HA	13	0.58
(1,932)	1:105:A:LEU:HD13	1:106:A:GLU:HA	13	0.58
(1,811)	1:6:A:LEU:HG	1:7:A:PHE:HD1	19	0.58
(1,653)	1:30:A:ILE:HG13	1:32:A:PHE:H	8	0.58
(1,612)	1:1:A:MET:HG2	1:16:A:LEU:HB3	5	0.58
(1,556)	1:54:A:MET:HG2	1:96:A:ASN:HB2	11	0.58
(1,556)	1:54:A:MET:HG3	1:96:A:ASN:HB2	11	0.58
(1,549)	1:62:A:GLU:HB3	1:65:A:ASP:HB3	9	0.58
(1,549)	1:62:A:GLU:HB3	1:65:A:ASP:HB3	15	0.58
(1,513)	1:61:A:VAL:HB	1:78:A:PHE:HB3	13	0.58
(1,247)	1:56:A:ASN:HB2	1:96:A:ASN:HA	11	0.58
(1,230)	1:50:A:ASN:HB3	1:73:A:LYS:HG2	16	0.58
(1,230)	1:50:A:ASN:HB3	1:73:A:LYS:HG3	16	0.58
(1,229)	1:50:A:ASN:HB3	1:73:A:LYS:HD2	20	0.58
(1,229)	1:50:A:ASN:HB3	1:73:A:LYS:HD3	20	0.58
(1,195)	1:7:A:PHE:HE2	1:107:A:ASP:HB3	11	0.58
(1,193)	1:107:A:ASP:HB3	1:108:A:LEU:HD21	16	0.58
(1,193)	1:107:A:ASP:HB3	1:108:A:LEU:HD22	16	0.58
(1,193)	1:107:A:ASP:HB3	1:108:A:LEU:HD23	16	0.58
(1,53)	1:72:A:GLY:HA2	1:74:A:ALA:H	19	0.58
(1,30)	1:15:A:ASP:HA	1:16:A:LEU:HB3	3	0.58
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG11	7	0.57
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG12	7	0.57
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG13	7	0.57
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG11	7	0.57
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG12	7	0.57
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG13	7	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG11	7	0.57
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG12	7	0.57
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG13	7	0.57
(1,2744)	1:7:A:PHE:HB3	1:10:A:GLY:H	1	0.57
(1,2631)	1:105:A:LEU:HB2	1:106:A:GLU:H	16	0.57
(1,2630)	1:106:A:GLU:H	1:106:A:GLU:HB3	20	0.57
(1,2603)	1:33:A:GLU:HG3	1:34:A:SER:H	7	0.57
(1,2539)	1:111:A:ILE:H	1:111:A:ILE:HG13	4	0.57
(1,2537)	1:19:A:GLU:H	1:19:A:GLU:HB3	20	0.57
(1,2500)	1:123:A:SER:H	1:123:A:SER:HB2	14	0.57
(1,2296)	1:65:A:ASP:H	1:65:A:ASP:HB3	7	0.57
(1,2296)	1:65:A:ASP:H	1:65:A:ASP:HB3	13	0.57
(1,2147)	1:18:A:GLU:H	1:18:A:GLU:HG2	2	0.57
(1,2147)	1:18:A:GLU:H	1:18:A:GLU:HG2	6	0.57
(1,2147)	1:18:A:GLU:H	1:18:A:GLU:HG2	17	0.57
(1,2047)	1:26:A:LEU:HD11	1:48:A:PRO:HD2	19	0.57
(1,2047)	1:26:A:LEU:HD12	1:48:A:PRO:HD2	19	0.57
(1,2047)	1:26:A:LEU:HD13	1:48:A:PRO:HD2	19	0.57
(1,1393)	1:48:A:PRO:HA	1:49:A:VAL:HG11	7	0.57
(1,1393)	1:48:A:PRO:HA	1:49:A:VAL:HG12	7	0.57
(1,1393)	1:48:A:PRO:HA	1:49:A:VAL:HG13	7	0.57
(1,1393)	1:48:A:PRO:HA	1:49:A:VAL:HG11	10	0.57
(1,1393)	1:48:A:PRO:HA	1:49:A:VAL:HG12	10	0.57
(1,1393)	1:48:A:PRO:HA	1:49:A:VAL:HG13	10	0.57
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG21	9	0.57
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG22	9	0.57
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG23	9	0.57
(1,1242)	1:11:A:LYS:H	1:108:A:LEU:HD21	6	0.57
(1,1242)	1:11:A:LYS:H	1:108:A:LEU:HD22	6	0.57
(1,1242)	1:11:A:LYS:H	1:108:A:LEU:HD23	6	0.57
(1,1217)	1:25:A:LEU:HD21	1:29:A:LYS:HE2	9	0.57
(1,1217)	1:25:A:LEU:HD21	1:29:A:LYS:HE3	9	0.57
(1,1217)	1:25:A:LEU:HD22	1:29:A:LYS:HE2	9	0.57
(1,1217)	1:25:A:LEU:HD22	1:29:A:LYS:HE3	9	0.57
(1,1217)	1:25:A:LEU:HD23	1:29:A:LYS:HE2	9	0.57
(1,1217)	1:25:A:LEU:HD23	1:29:A:LYS:HE3	9	0.57
(1,1055)	1:26:A:LEU:HD11	1:29:A:LYS:H	18	0.57
(1,1055)	1:26:A:LEU:HD12	1:29:A:LYS:H	18	0.57
(1,1055)	1:26:A:LEU:HD13	1:29:A:LYS:H	18	0.57
(1,1052)	1:58:A:ARG:HB3	1:97:A:VAL:HG21	4	0.57
(1,1052)	1:58:A:ARG:HB3	1:97:A:VAL:HG22	4	0.57
(1,1052)	1:58:A:ARG:HB3	1:97:A:VAL:HG23	4	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD11	6	0.57
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD12	6	0.57
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD13	6	0.57
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD11	6	0.57
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD12	6	0.57
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD13	6	0.57
(1,966)	1:64:A:GLY:HA2	1:105:A:LEU:HD21	13	0.57
(1,966)	1:64:A:GLY:HA2	1:105:A:LEU:HD22	13	0.57
(1,966)	1:64:A:GLY:HA2	1:105:A:LEU:HD23	13	0.57
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD21	14	0.57
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD22	14	0.57
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD23	14	0.57
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD21	4	0.57
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD22	4	0.57
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD23	4	0.57
(1,843)	1:5:A:LEU:HA	1:5:A:LEU:HD11	5	0.57
(1,843)	1:5:A:LEU:HA	1:5:A:LEU:HD12	5	0.57
(1,843)	1:5:A:LEU:HA	1:5:A:LEU:HD13	5	0.57
(1,794)	1:77:A:LEU:HD11	1:108:A:LEU:HD11	9	0.57
(1,794)	1:77:A:LEU:HD11	1:108:A:LEU:HD12	9	0.57
(1,794)	1:77:A:LEU:HD11	1:108:A:LEU:HD13	9	0.57
(1,794)	1:77:A:LEU:HD12	1:108:A:LEU:HD11	9	0.57
(1,794)	1:77:A:LEU:HD12	1:108:A:LEU:HD12	9	0.57
(1,794)	1:77:A:LEU:HD12	1:108:A:LEU:HD13	9	0.57
(1,794)	1:77:A:LEU:HD13	1:108:A:LEU:HD11	9	0.57
(1,794)	1:77:A:LEU:HD13	1:108:A:LEU:HD12	9	0.57
(1,794)	1:77:A:LEU:HD13	1:108:A:LEU:HD13	9	0.57
(1,715)	1:87:A:ASP:HB2	1:88:A:LYS:HD2	13	0.57
(1,355)	1:102:A:VAL:HG21	1:103:A:GLU:HG3	8	0.57
(1,355)	1:102:A:VAL:HG22	1:103:A:GLU:HG3	8	0.57
(1,355)	1:102:A:VAL:HG23	1:103:A:GLU:HG3	8	0.57
(1,87)	1:67:A:GLY:HA3	1:76:A:CYS:HB3	11	0.57
(1,42)	1:63:A:ILE:HG13	1:80:A:GLY:HA2	13	0.57
(1,31)	1:1:A:MET:HB2	1:16:A:LEU:HB3	4	0.57
(1,31)	1:1:A:MET:HB3	1:16:A:LEU:HB3	4	0.57
(1,2780)	1:61:A:VAL:HG11	1:78:A:PHE:HD1	10	0.56
(1,2780)	1:61:A:VAL:HG11	1:78:A:PHE:HD2	10	0.56
(1,2780)	1:61:A:VAL:HG12	1:78:A:PHE:HD1	10	0.56
(1,2780)	1:61:A:VAL:HG12	1:78:A:PHE:HD2	10	0.56
(1,2780)	1:61:A:VAL:HG13	1:78:A:PHE:HD1	10	0.56
(1,2780)	1:61:A:VAL:HG13	1:78:A:PHE:HD2	10	0.56
(1,2780)	1:61:A:VAL:HG11	1:78:A:PHE:HD1	15	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2780)	1:61:A:VAL:HG11	1:78:A:PHE:HD2	15	0.56
(1,2780)	1:61:A:VAL:HG12	1:78:A:PHE:HD1	15	0.56
(1,2780)	1:61:A:VAL:HG12	1:78:A:PHE:HD2	15	0.56
(1,2780)	1:61:A:VAL:HG13	1:78:A:PHE:HD1	15	0.56
(1,2780)	1:61:A:VAL:HG13	1:78:A:PHE:HD2	15	0.56
(1,2769)	1:79:A:PHE:HD1	1:109:A:LYS:HE3	12	0.56
(1,2769)	1:79:A:PHE:HD2	1:109:A:LYS:HE3	12	0.56
(1,2613)	1:109:A:LYS:H	1:109:A:LYS:HE3	3	0.56
(1,2537)	1:19:A:GLU:H	1:19:A:GLU:HB3	10	0.56
(1,2412)	1:115:A:GLU:H	1:115:A:GLU:HB2	14	0.56
(1,2147)	1:18:A:GLU:H	1:18:A:GLU:HG2	5	0.56
(1,2135)	1:39:A:TRP:H	1:42:A:GLU:HB2	1	0.56
(1,1966)	1:2:A:ARG:HG3	1:15:A:ASP:HA	10	0.56
(1,1962)	1:29:A:LYS:HA	1:30:A:ILE:HG12	12	0.56
(1,1962)	1:29:A:LYS:HA	1:30:A:ILE:HG12	13	0.56
(1,1962)	1:29:A:LYS:HA	1:30:A:ILE:HG12	16	0.56
(1,1958)	1:61:A:VAL:HG11	1:62:A:GLU:HA	2	0.56
(1,1958)	1:61:A:VAL:HG12	1:62:A:GLU:HA	2	0.56
(1,1958)	1:61:A:VAL:HG13	1:62:A:GLU:HA	2	0.56
(1,1958)	1:61:A:VAL:HG11	1:62:A:GLU:HA	6	0.56
(1,1958)	1:61:A:VAL:HG12	1:62:A:GLU:HA	6	0.56
(1,1958)	1:61:A:VAL:HG13	1:62:A:GLU:HA	6	0.56
(1,1958)	1:61:A:VAL:HG11	1:62:A:GLU:HA	8	0.56
(1,1958)	1:61:A:VAL:HG12	1:62:A:GLU:HA	8	0.56
(1,1958)	1:61:A:VAL:HG13	1:62:A:GLU:HA	8	0.56
(1,1958)	1:61:A:VAL:HG11	1:62:A:GLU:HA	14	0.56
(1,1958)	1:61:A:VAL:HG12	1:62:A:GLU:HA	14	0.56
(1,1958)	1:61:A:VAL:HG13	1:62:A:GLU:HA	14	0.56
(1,1958)	1:61:A:VAL:HG11	1:62:A:GLU:HA	19	0.56
(1,1958)	1:61:A:VAL:HG12	1:62:A:GLU:HA	19	0.56
(1,1958)	1:61:A:VAL:HG13	1:62:A:GLU:HA	19	0.56
(1,1587)	1:101:A:ILE:HG21	1:105:A:LEU:HB3	11	0.56
(1,1587)	1:101:A:ILE:HG22	1:105:A:LEU:HB3	11	0.56
(1,1587)	1:101:A:ILE:HG23	1:105:A:LEU:HB3	11	0.56
(1,1237)	1:108:A:LEU:HA	1:108:A:LEU:HD21	13	0.56
(1,1237)	1:108:A:LEU:HA	1:108:A:LEU:HD22	13	0.56
(1,1237)	1:108:A:LEU:HA	1:108:A:LEU:HD23	13	0.56
(1,963)	1:79:A:PHE:HA	1:105:A:LEU:HD21	19	0.56
(1,963)	1:79:A:PHE:HA	1:105:A:LEU:HD22	19	0.56
(1,963)	1:79:A:PHE:HA	1:105:A:LEU:HD23	19	0.56
(1,952)	1:18:A:GLU:HB2	1:24:A:LYS:HG2	19	0.56
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG21	16	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG22	16	0.56
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG23	16	0.56
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG21	16	0.56
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG22	16	0.56
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG23	16	0.56
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG21	16	0.56
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG22	16	0.56
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG23	16	0.56
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG11	16	0.56
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG12	16	0.56
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG13	16	0.56
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG11	16	0.56
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG12	16	0.56
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG13	16	0.56
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG11	16	0.56
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG12	16	0.56
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG13	16	0.56
(1,826)	1:7:A:PHE:HD2	1:111:A:ILE:HG12	11	0.56
(1,811)	1:6:A:LEU:HG	1:7:A:PHE:HD1	12	0.56
(1,794)	1:77:A:LEU:HD11	1:108:A:LEU:HD11	19	0.56
(1,794)	1:77:A:LEU:HD11	1:108:A:LEU:HD12	19	0.56
(1,794)	1:77:A:LEU:HD11	1:108:A:LEU:HD13	19	0.56
(1,794)	1:77:A:LEU:HD12	1:108:A:LEU:HD11	19	0.56
(1,794)	1:77:A:LEU:HD12	1:108:A:LEU:HD12	19	0.56
(1,794)	1:77:A:LEU:HD12	1:108:A:LEU:HD13	19	0.56
(1,794)	1:77:A:LEU:HD13	1:108:A:LEU:HD11	19	0.56
(1,794)	1:77:A:LEU:HD13	1:108:A:LEU:HD12	19	0.56
(1,794)	1:77:A:LEU:HD13	1:108:A:LEU:HD13	19	0.56
(1,730)	1:7:A:PHE:HE2	1:77:A:LEU:HG	17	0.56
(1,400)	1:21:A:GLU:HG2	1:25:A:LEU:HD11	8	0.56
(1,400)	1:21:A:GLU:HG2	1:25:A:LEU:HD12	8	0.56
(1,400)	1:21:A:GLU:HG2	1:25:A:LEU:HD13	8	0.56
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG2	18	0.56
(1,362)	1:105:A:LEU:HB2	1:106:A:GLU:HG3	18	0.56
(1,175)	1:65:A:ASP:HB2	1:97:A:VAL:HA	5	0.56
(1,30)	1:15:A:ASP:HA	1:16:A:LEU:HB3	9	0.56
(1,26)	1:104:A:GLY:HA3	1:107:A:ASP:HB2	17	0.56
(1,2910)	1:39:A:TRP:HZ2	1:84:A:MET:HB3	4	0.55
(1,2902)	1:20:A:TYR:HE1	1:56:A:ASN:HB3	11	0.55
(1,2902)	1:20:A:TYR:HE2	1:56:A:ASN:HB3	11	0.55
(1,2877)	1:69:A:TRP:HD1	1:70:A:PRO:HD3	5	0.55
(1,2877)	1:69:A:TRP:HD1	1:70:A:PRO:HD3	18	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG11	11	0.55
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG12	11	0.55
(1,2800)	1:20:A:TYR:HD1	1:23:A:VAL:HG13	11	0.55
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG11	11	0.55
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG12	11	0.55
(1,2800)	1:20:A:TYR:HD2	1:23:A:VAL:HG13	11	0.55
(1,2780)	1:61:A:VAL:HG11	1:78:A:PHE:HD1	2	0.55
(1,2780)	1:61:A:VAL:HG11	1:78:A:PHE:HD2	2	0.55
(1,2780)	1:61:A:VAL:HG12	1:78:A:PHE:HD1	2	0.55
(1,2780)	1:61:A:VAL:HG12	1:78:A:PHE:HD2	2	0.55
(1,2780)	1:61:A:VAL:HG13	1:78:A:PHE:HD1	2	0.55
(1,2780)	1:61:A:VAL:HG13	1:78:A:PHE:HD2	2	0.55
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG11	16	0.55
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG12	16	0.55
(1,2754)	1:45:A:PHE:HD1	1:119:A:VAL:HG13	16	0.55
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG11	16	0.55
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG12	16	0.55
(1,2754)	1:45:A:PHE:HD2	1:119:A:VAL:HG13	16	0.55
(1,2630)	1:106:A:GLU:H	1:106:A:GLU:HB3	2	0.55
(1,2630)	1:106:A:GLU:H	1:106:A:GLU:HB3	6	0.55
(1,2630)	1:106:A:GLU:H	1:106:A:GLU:HB3	17	0.55
(1,2630)	1:106:A:GLU:H	1:106:A:GLU:HB3	18	0.55
(1,2603)	1:33:A:GLU:HG3	1:34:A:SER:H	11	0.55
(1,2410)	1:115:A:GLU:H	1:115:A:GLU:HG2	17	0.55
(1,2398)	1:107:A:ASP:H	1:107:A:ASP:HB2	15	0.55
(1,2296)	1:65:A:ASP:H	1:65:A:ASP:HB3	3	0.55
(1,2296)	1:65:A:ASP:H	1:65:A:ASP:HB3	16	0.55
(1,2296)	1:65:A:ASP:H	1:65:A:ASP:HB3	18	0.55
(1,1958)	1:61:A:VAL:HG11	1:62:A:GLU:HA	1	0.55
(1,1958)	1:61:A:VAL:HG12	1:62:A:GLU:HA	1	0.55
(1,1958)	1:61:A:VAL:HG13	1:62:A:GLU:HA	1	0.55
(1,1958)	1:61:A:VAL:HG11	1:62:A:GLU:HA	17	0.55
(1,1958)	1:61:A:VAL:HG12	1:62:A:GLU:HA	17	0.55
(1,1958)	1:61:A:VAL:HG13	1:62:A:GLU:HA	17	0.55
(1,1713)	1:61:A:VAL:HG11	1:78:A:PHE:HB2	15	0.55
(1,1713)	1:61:A:VAL:HG12	1:78:A:PHE:HB2	15	0.55
(1,1713)	1:61:A:VAL:HG13	1:78:A:PHE:HB2	15	0.55
(1,1611)	1:7:A:PHE:HE1	1:43:A:ILE:HG21	5	0.55
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG11	7	0.55
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG12	7	0.55
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG13	7	0.55
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG11	7	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG12	7	0.55
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG13	7	0.55
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG11	7	0.55
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG12	7	0.55
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG13	7	0.55
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG11	7	0.55
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG12	7	0.55
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG13	7	0.55
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG11	7	0.55
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG12	7	0.55
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG13	7	0.55
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG11	7	0.55
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG12	7	0.55
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG13	7	0.55
(1,1330)	1:35:A:VAL:HG21	1:116:A:LYS:HE3	15	0.55
(1,1330)	1:35:A:VAL:HG22	1:116:A:LYS:HE3	15	0.55
(1,1330)	1:35:A:VAL:HG23	1:116:A:LYS:HE3	15	0.55
(1,1303)	1:22:A:VAL:HG21	1:23:A:VAL:HB	16	0.55
(1,1303)	1:22:A:VAL:HG22	1:23:A:VAL:HB	16	0.55
(1,1303)	1:22:A:VAL:HG23	1:23:A:VAL:HB	16	0.55
(1,1292)	1:13:A:VAL:HG11	1:103:A:GLU:HG2	2	0.55
(1,1292)	1:13:A:VAL:HG12	1:103:A:GLU:HG2	2	0.55
(1,1292)	1:13:A:VAL:HG13	1:103:A:GLU:HG2	2	0.55
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG21	4	0.55
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG22	4	0.55
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG23	4	0.55
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG21	4	0.55
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG22	4	0.55
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG23	4	0.55
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG21	4	0.55
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG22	4	0.55
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG23	4	0.55
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD21	3	0.55
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD22	3	0.55
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD23	3	0.55
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD21	19	0.55
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD22	19	0.55
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD23	19	0.55
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD21	8	0.55
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD22	8	0.55
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD23	8	0.55
(1,921)	1:22:A:VAL:H	1:25:A:LEU:HD11	5	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,921)	1:22:A:VAL:H	1:25:A:LEU:HD12	5	0.55
(1,921)	1:22:A:VAL:H	1:25:A:LEU:HD13	5	0.55
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG11	4	0.55
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG12	4	0.55
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG13	4	0.55
(1,843)	1:5:A:LEU:HA	1:5:A:LEU:HD11	15	0.55
(1,843)	1:5:A:LEU:HA	1:5:A:LEU:HD12	15	0.55
(1,843)	1:5:A:LEU:HA	1:5:A:LEU:HD13	15	0.55
(1,826)	1:7:A:PHE:HD1	1:111:A:ILE:HG12	8	0.55
(1,826)	1:7:A:PHE:HD2	1:111:A:ILE:HG12	20	0.55
(1,819)	1:108:A:LEU:HD21	1:111:A:ILE:HG13	6	0.55
(1,819)	1:108:A:LEU:HD22	1:111:A:ILE:HG13	6	0.55
(1,819)	1:108:A:LEU:HD23	1:111:A:ILE:HG13	6	0.55
(1,556)	1:54:A:MET:HG2	1:96:A:ASN:HB2	1	0.55
(1,556)	1:54:A:MET:HG3	1:96:A:ASN:HB2	1	0.55
(1,537)	1:42:A:GLU:HG2	1:44:A:TYR:HB2	20	0.55
(1,537)	1:42:A:GLU:HG2	1:44:A:TYR:HB3	20	0.55
(1,519)	1:51:A:VAL:HG11	1:53:A:LYS:HB3	4	0.55
(1,519)	1:51:A:VAL:HG12	1:53:A:LYS:HB3	4	0.55
(1,519)	1:51:A:VAL:HG13	1:53:A:LYS:HB3	4	0.55
(1,418)	1:13:A:VAL:HB	1:103:A:GLU:HB3	18	0.55
(1,358)	1:54:A:MET:HB3	1:57:A:PRO:HB3	2	0.55
(1,341)	1:41:A:GLU:H	1:41:A:GLU:HG3	14	0.55
(1,261)	1:3:A:VAL:HA	1:121:A:PHE:HB2	5	0.55
(1,247)	1:56:A:ASN:HB2	1:96:A:ASN:HA	2	0.55
(1,188)	1:104:A:GLY:HA2	1:107:A:ASP:HB2	11	0.55
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG21	2	0.55
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG22	2	0.55
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG23	2	0.55
(1,31)	1:1:A:MET:HB2	1:16:A:LEU:HB3	7	0.55
(1,31)	1:1:A:MET:HB3	1:16:A:LEU:HB3	7	0.55
(1,30)	1:15:A:ASP:HA	1:16:A:LEU:HB3	13	0.55
(1,2887)	1:69:A:TRP:HZ3	1:72:A:GLY:HA2	2	0.54
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG11	1	0.54
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG12	1	0.54
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG13	1	0.54
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG11	1	0.54
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG12	1	0.54
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG13	1	0.54
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG11	1	0.54
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG12	1	0.54
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG13	1	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2631)	1:105:A:LEU:HB2	1:106:A:GLU:H	2	0.54
(1,2630)	1:106:A:GLU:H	1:106:A:GLU:HB3	7	0.54
(1,2581)	1:54:A:MET:HB3	1:56:A:ASN:H	11	0.54
(1,2296)	1:65:A:ASP:H	1:65:A:ASP:HB3	14	0.54
(1,2255)	1:22:A:VAL:HG11	1:51:A:VAL:H	17	0.54
(1,2255)	1:22:A:VAL:HG12	1:51:A:VAL:H	17	0.54
(1,2255)	1:22:A:VAL:HG13	1:51:A:VAL:H	17	0.54
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG21	7	0.54
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG22	7	0.54
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG23	7	0.54
(1,2155)	1:54:A:MET:H	1:96:A:ASN:HD21	20	0.54
(1,2146)	1:54:A:MET:H	1:54:A:MET:HB2	1	0.54
(1,2127)	1:50:A:ASN:H	1:51:A:VAL:HG21	15	0.54
(1,2127)	1:50:A:ASN:H	1:51:A:VAL:HG22	15	0.54
(1,2127)	1:50:A:ASN:H	1:51:A:VAL:HG23	15	0.54
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD11	12	0.54
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD12	12	0.54
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD13	12	0.54
(1,1738)	1:7:A:PHE:HE1	1:43:A:ILE:HD11	2	0.54
(1,1711)	1:61:A:VAL:HG11	1:78:A:PHE:HB3	4	0.54
(1,1711)	1:61:A:VAL:HG12	1:78:A:PHE:HB3	4	0.54
(1,1711)	1:61:A:VAL:HG13	1:78:A:PHE:HB3	4	0.54
(1,1652)	1:116:A:LYS:HA	1:117:A:VAL:HG11	2	0.54
(1,1652)	1:116:A:LYS:HA	1:117:A:VAL:HG12	2	0.54
(1,1652)	1:116:A:LYS:HA	1:117:A:VAL:HG13	2	0.54
(1,1317)	1:81:A:LYS:HG2	1:89:A:ILE:HA	16	0.54
(1,1303)	1:22:A:VAL:HG21	1:23:A:VAL:HB	8	0.54
(1,1303)	1:22:A:VAL:HG22	1:23:A:VAL:HB	8	0.54
(1,1303)	1:22:A:VAL:HG23	1:23:A:VAL:HB	8	0.54
(1,1302)	1:22:A:VAL:HG21	1:68:A:TYR:HB2	12	0.54
(1,1302)	1:22:A:VAL:HG21	1:68:A:TYR:HB3	12	0.54
(1,1302)	1:22:A:VAL:HG22	1:68:A:TYR:HB2	12	0.54
(1,1302)	1:22:A:VAL:HG22	1:68:A:TYR:HB3	12	0.54
(1,1302)	1:22:A:VAL:HG23	1:68:A:TYR:HB2	12	0.54
(1,1302)	1:22:A:VAL:HG23	1:68:A:TYR:HB3	12	0.54
(1,1297)	1:22:A:VAL:HG21	1:23:A:VAL:H	6	0.54
(1,1297)	1:22:A:VAL:HG22	1:23:A:VAL:H	6	0.54
(1,1297)	1:22:A:VAL:HG23	1:23:A:VAL:H	6	0.54
(1,1203)	1:100:A:LYS:H	1:102:A:VAL:HG11	16	0.54
(1,1203)	1:100:A:LYS:H	1:102:A:VAL:HG12	16	0.54
(1,1203)	1:100:A:LYS:H	1:102:A:VAL:HG13	16	0.54
(1,1170)	1:15:A:ASP:HB3	1:102:A:VAL:HG11	8	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1170)	1:15:A:ASP:HB3	1:102:A:VAL:HG12	8	0.54
(1,1170)	1:15:A:ASP:HB3	1:102:A:VAL:HG13	8	0.54
(1,988)	1:45:A:PHE:HZ	1:75:A:LEU:HD21	6	0.54
(1,988)	1:45:A:PHE:HZ	1:75:A:LEU:HD22	6	0.54
(1,988)	1:45:A:PHE:HZ	1:75:A:LEU:HD23	6	0.54
(1,963)	1:79:A:PHE:HA	1:105:A:LEU:HD21	9	0.54
(1,963)	1:79:A:PHE:HA	1:105:A:LEU:HD22	9	0.54
(1,963)	1:79:A:PHE:HA	1:105:A:LEU:HD23	9	0.54
(1,921)	1:22:A:VAL:H	1:25:A:LEU:HD11	9	0.54
(1,921)	1:22:A:VAL:H	1:25:A:LEU:HD12	9	0.54
(1,921)	1:22:A:VAL:H	1:25:A:LEU:HD13	9	0.54
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG11	9	0.54
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG12	9	0.54
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG13	9	0.54
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG11	13	0.54
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG12	13	0.54
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG13	13	0.54
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG11	18	0.54
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG12	18	0.54
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG13	18	0.54
(1,854)	1:61:A:VAL:HG21	1:91:A:PRO:HG2	19	0.54
(1,854)	1:61:A:VAL:HG22	1:91:A:PRO:HG2	19	0.54
(1,854)	1:61:A:VAL:HG23	1:91:A:PRO:HG2	19	0.54
(1,843)	1:5:A:LEU:HA	1:5:A:LEU:HD11	7	0.54
(1,843)	1:5:A:LEU:HA	1:5:A:LEU:HD12	7	0.54
(1,843)	1:5:A:LEU:HA	1:5:A:LEU:HD13	7	0.54
(1,843)	1:5:A:LEU:HA	1:5:A:LEU:HD11	16	0.54
(1,843)	1:5:A:LEU:HA	1:5:A:LEU:HD12	16	0.54
(1,843)	1:5:A:LEU:HA	1:5:A:LEU:HD13	16	0.54
(1,782)	1:47:A:THR:HB	1:48:A:PRO:HG3	10	0.54
(1,740)	1:2:A:ARG:HG3	1:16:A:LEU:H	14	0.54
(1,495)	1:29:A:LYS:HB3	1:49:A:VAL:HG11	7	0.54
(1,495)	1:29:A:LYS:HB3	1:49:A:VAL:HG12	7	0.54
(1,495)	1:29:A:LYS:HB3	1:49:A:VAL:HG13	7	0.54
(1,191)	1:10:A:GLY:HA2	1:107:A:ASP:HB3	17	0.54
(1,191)	1:10:A:GLY:HA3	1:107:A:ASP:HB3	17	0.54
(1,158)	1:62:A:GLU:HB3	1:65:A:ASP:HB2	3	0.54
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG21	3	0.54
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG22	3	0.54
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG23	3	0.54
(1,80)	1:2:A:ARG:HD2	1:15:A:ASP:HB3	4	0.54
(1,42)	1:63:A:ILE:HG13	1:80:A:GLY:HA2	20	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2662)	1:7:A:PHE:HD1	1:9:A:SER:H	3	0.53
(1,2522)	1:24:A:LYS:HB3	1:25:A:LEU:H	18	0.53
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG21	12	0.53
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG22	12	0.53
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG23	12	0.53
(1,2016)	1:54:A:MET:HB3	1:96:A:ASN:HA	5	0.53
(1,1925)	1:78:A:PHE:HB3	1:89:A:ILE:HD11	9	0.53
(1,1925)	1:78:A:PHE:HB3	1:89:A:ILE:HD12	9	0.53
(1,1925)	1:78:A:PHE:HB3	1:89:A:ILE:HD13	9	0.53
(1,1713)	1:61:A:VAL:HG11	1:78:A:PHE:HB2	1	0.53
(1,1713)	1:61:A:VAL:HG12	1:78:A:PHE:HB2	1	0.53
(1,1713)	1:61:A:VAL:HG13	1:78:A:PHE:HB2	1	0.53
(1,1713)	1:61:A:VAL:HG11	1:78:A:PHE:HB2	4	0.53
(1,1713)	1:61:A:VAL:HG12	1:78:A:PHE:HB2	4	0.53
(1,1713)	1:61:A:VAL:HG13	1:78:A:PHE:HB2	4	0.53
(1,1702)	1:7:A:PHE:HE1	1:108:A:LEU:HA	14	0.53
(1,1598)	1:14:A:ILE:HA	1:102:A:VAL:HG21	8	0.53
(1,1598)	1:14:A:ILE:HA	1:102:A:VAL:HG22	8	0.53
(1,1598)	1:14:A:ILE:HA	1:102:A:VAL:HG23	8	0.53
(1,1317)	1:81:A:LYS:HG2	1:89:A:ILE:HA	4	0.53
(1,1304)	1:22:A:VAL:HG21	1:98:A:ILE:HB	2	0.53
(1,1304)	1:22:A:VAL:HG22	1:98:A:ILE:HB	2	0.53
(1,1304)	1:22:A:VAL:HG23	1:98:A:ILE:HB	2	0.53
(1,1276)	1:119:A:VAL:HG21	1:120:A:ARG:H	7	0.53
(1,1276)	1:119:A:VAL:HG22	1:120:A:ARG:H	7	0.53
(1,1276)	1:119:A:VAL:HG23	1:120:A:ARG:H	7	0.53
(1,1255)	1:5:A:LEU:HA	1:117:A:VAL:HG21	2	0.53
(1,1255)	1:5:A:LEU:HA	1:117:A:VAL:HG22	2	0.53
(1,1255)	1:5:A:LEU:HA	1:117:A:VAL:HG23	2	0.53
(1,1250)	1:6:A:LEU:H	1:117:A:VAL:HG21	2	0.53
(1,1250)	1:6:A:LEU:H	1:117:A:VAL:HG22	2	0.53
(1,1250)	1:6:A:LEU:H	1:117:A:VAL:HG23	2	0.53
(1,1208)	1:15:A:ASP:HB2	1:102:A:VAL:HG11	11	0.53
(1,1208)	1:15:A:ASP:HB2	1:102:A:VAL:HG12	11	0.53
(1,1208)	1:15:A:ASP:HB2	1:102:A:VAL:HG13	11	0.53
(1,1203)	1:100:A:LYS:H	1:102:A:VAL:HG11	10	0.53
(1,1203)	1:100:A:LYS:H	1:102:A:VAL:HG12	10	0.53
(1,1203)	1:100:A:LYS:H	1:102:A:VAL:HG13	10	0.53
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD21	8	0.53
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD22	8	0.53
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD23	8	0.53
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD21	8	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD22	8	0.53
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD23	8	0.53
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD21	15	0.53
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD22	15	0.53
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD23	15	0.53
(1,963)	1:79:A:PHE:HA	1:105:A:LEU:HD21	11	0.53
(1,963)	1:79:A:PHE:HA	1:105:A:LEU:HD22	11	0.53
(1,963)	1:79:A:PHE:HA	1:105:A:LEU:HD23	11	0.53
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG11	12	0.53
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG12	12	0.53
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG13	12	0.53
(1,840)	1:4:A:GLU:H	1:5:A:LEU:HD11	5	0.53
(1,840)	1:4:A:GLU:H	1:5:A:LEU:HD12	5	0.53
(1,840)	1:4:A:GLU:H	1:5:A:LEU:HD13	5	0.53
(1,811)	1:6:A:LEU:HG	1:7:A:PHE:HD1	4	0.53
(1,811)	1:6:A:LEU:HG	1:7:A:PHE:HD1	17	0.53
(1,681)	1:63:A:ILE:HG13	1:79:A:PHE:HA	17	0.53
(1,495)	1:29:A:LYS:HB3	1:49:A:VAL:HG11	14	0.53
(1,495)	1:29:A:LYS:HB3	1:49:A:VAL:HG12	14	0.53
(1,495)	1:29:A:LYS:HB3	1:49:A:VAL:HG13	14	0.53
(1,386)	1:61:A:VAL:HG11	1:62:A:GLU:HG2	14	0.53
(1,386)	1:61:A:VAL:HG12	1:62:A:GLU:HG2	14	0.53
(1,386)	1:61:A:VAL:HG13	1:62:A:GLU:HG2	14	0.53
(1,261)	1:3:A:VAL:HA	1:121:A:PHE:HB2	1	0.53
(1,247)	1:56:A:ASN:HB2	1:96:A:ASN:HA	14	0.53
(1,158)	1:62:A:GLU:HB3	1:65:A:ASP:HB2	11	0.53
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA2	3	0.53
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA3	3	0.53
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA2	12	0.53
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA3	12	0.53
(1,30)	1:15:A:ASP:HA	1:16:A:LEU:HB3	19	0.53
(1,2887)	1:69:A:TRP:HZ3	1:72:A:GLY:HA2	16	0.52
(1,2847)	1:78:A:PHE:HE1	1:95:A:VAL:HG21	12	0.52
(1,2847)	1:78:A:PHE:HE1	1:95:A:VAL:HG22	12	0.52
(1,2847)	1:78:A:PHE:HE1	1:95:A:VAL:HG23	12	0.52
(1,2847)	1:78:A:PHE:HE2	1:95:A:VAL:HG21	12	0.52
(1,2847)	1:78:A:PHE:HE2	1:95:A:VAL:HG22	12	0.52
(1,2847)	1:78:A:PHE:HE2	1:95:A:VAL:HG23	12	0.52
(1,2843)	1:26:A:LEU:HD11	1:32:A:PHE:HE1	18	0.52
(1,2843)	1:26:A:LEU:HD11	1:32:A:PHE:HE2	18	0.52
(1,2843)	1:26:A:LEU:HD12	1:32:A:PHE:HE1	18	0.52
(1,2843)	1:26:A:LEU:HD12	1:32:A:PHE:HE2	18	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2843)	1:26:A:LEU:HD13	1:32:A:PHE:HE1	18	0.52
(1,2843)	1:26:A:LEU:HD13	1:32:A:PHE:HE2	18	0.52
(1,2722)	1:61:A:VAL:HG21	1:95:A:VAL:H	8	0.52
(1,2722)	1:61:A:VAL:HG22	1:95:A:VAL:H	8	0.52
(1,2722)	1:61:A:VAL:HG23	1:95:A:VAL:H	8	0.52
(1,2630)	1:106:A:GLU:H	1:106:A:GLU:HB3	11	0.52
(1,2630)	1:106:A:GLU:H	1:106:A:GLU:HB3	19	0.52
(1,2428)	1:11:A:LYS:H	1:11:A:LYS:HG3	16	0.52
(1,2127)	1:50:A:ASN:H	1:51:A:VAL:HG21	11	0.52
(1,2127)	1:50:A:ASN:H	1:51:A:VAL:HG22	11	0.52
(1,2127)	1:50:A:ASN:H	1:51:A:VAL:HG23	11	0.52
(1,2127)	1:50:A:ASN:H	1:51:A:VAL:HG21	20	0.52
(1,2127)	1:50:A:ASN:H	1:51:A:VAL:HG22	20	0.52
(1,2127)	1:50:A:ASN:H	1:51:A:VAL:HG23	20	0.52
(1,2041)	1:54:A:MET:HB3	1:57:A:PRO:HD2	3	0.52
(1,2041)	1:54:A:MET:HB3	1:57:A:PRO:HD3	3	0.52
(1,1345)	1:2:A:ARG:HE	1:13:A:VAL:HG21	14	0.52
(1,1345)	1:2:A:ARG:HE	1:13:A:VAL:HG22	14	0.52
(1,1345)	1:2:A:ARG:HE	1:13:A:VAL:HG23	14	0.52
(1,1297)	1:22:A:VAL:HG21	1:23:A:VAL:H	15	0.52
(1,1297)	1:22:A:VAL:HG22	1:23:A:VAL:H	15	0.52
(1,1297)	1:22:A:VAL:HG23	1:23:A:VAL:H	15	0.52
(1,1238)	1:12:A:CYS:HB3	1:108:A:LEU:HD21	5	0.52
(1,1238)	1:12:A:CYS:HB3	1:108:A:LEU:HD22	5	0.52
(1,1238)	1:12:A:CYS:HB3	1:108:A:LEU:HD23	5	0.52
(1,1058)	1:81:A:LYS:HG2	1:85:A:SER:HB2	17	0.52
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD11	2	0.52
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD12	2	0.52
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD13	2	0.52
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD11	2	0.52
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD12	2	0.52
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD13	2	0.52
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG11	3	0.52
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG12	3	0.52
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG13	3	0.52
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG11	14	0.52
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG12	14	0.52
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG13	14	0.52
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG11	20	0.52
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG12	20	0.52
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG13	20	0.52
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG11	19	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG12	19	0.52
(1,894)	1:22:A:VAL:H	1:23:A:VAL:HG13	19	0.52
(1,845)	1:5:A:LEU:HD11	1:117:A:VAL:HG21	2	0.52
(1,845)	1:5:A:LEU:HD11	1:117:A:VAL:HG22	2	0.52
(1,845)	1:5:A:LEU:HD11	1:117:A:VAL:HG23	2	0.52
(1,845)	1:5:A:LEU:HD12	1:117:A:VAL:HG21	2	0.52
(1,845)	1:5:A:LEU:HD12	1:117:A:VAL:HG22	2	0.52
(1,845)	1:5:A:LEU:HD12	1:117:A:VAL:HG23	2	0.52
(1,845)	1:5:A:LEU:HD13	1:117:A:VAL:HG21	2	0.52
(1,845)	1:5:A:LEU:HD13	1:117:A:VAL:HG22	2	0.52
(1,845)	1:5:A:LEU:HD13	1:117:A:VAL:HG23	2	0.52
(1,843)	1:5:A:LEU:HA	1:5:A:LEU:HD11	13	0.52
(1,843)	1:5:A:LEU:HA	1:5:A:LEU:HD12	13	0.52
(1,843)	1:5:A:LEU:HA	1:5:A:LEU:HD13	13	0.52
(1,811)	1:6:A:LEU:HG	1:7:A:PHE:HD1	6	0.52
(1,811)	1:6:A:LEU:HG	1:7:A:PHE:HD1	8	0.52
(1,811)	1:6:A:LEU:HG	1:7:A:PHE:HD1	9	0.52
(1,730)	1:7:A:PHE:HE2	1:77:A:LEU:HG	18	0.52
(1,703)	1:81:A:LYS:HD2	1:85:A:SER:HB2	12	0.52
(1,521)	1:51:A:VAL:HG11	1:53:A:LYS:HB2	17	0.52
(1,521)	1:51:A:VAL:HG12	1:53:A:LYS:HB2	17	0.52
(1,521)	1:51:A:VAL:HG13	1:53:A:LYS:HB2	17	0.52
(1,519)	1:51:A:VAL:HG11	1:53:A:LYS:HB3	10	0.52
(1,519)	1:51:A:VAL:HG12	1:53:A:LYS:HB3	10	0.52
(1,519)	1:51:A:VAL:HG13	1:53:A:LYS:HB3	10	0.52
(1,360)	1:105:A:LEU:HD11	1:106:A:GLU:HG2	1	0.52
(1,360)	1:105:A:LEU:HD11	1:106:A:GLU:HG3	1	0.52
(1,360)	1:105:A:LEU:HD12	1:106:A:GLU:HG2	1	0.52
(1,360)	1:105:A:LEU:HD12	1:106:A:GLU:HG3	1	0.52
(1,360)	1:105:A:LEU:HD13	1:106:A:GLU:HG2	1	0.52
(1,360)	1:105:A:LEU:HD13	1:106:A:GLU:HG3	1	0.52
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG21	17	0.52
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG22	17	0.52
(1,94)	1:58:A:ARG:HD2	1:61:A:VAL:HG23	17	0.52
(1,80)	1:2:A:ARG:HD2	1:15:A:ASP:HB3	14	0.52
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA2	11	0.52
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA3	11	0.52
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA2	20	0.52
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA3	20	0.52
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG11	14	0.51
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG12	14	0.51
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG13	14	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG11	4	0.51
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG12	4	0.51
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG13	4	0.51
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG11	4	0.51
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG12	4	0.51
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG13	4	0.51
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG11	15	0.51
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG12	15	0.51
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG13	15	0.51
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG11	15	0.51
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG12	15	0.51
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG13	15	0.51
(1,2829)	1:27:A:LYS:HG3	1:121:A:PHE:HZ	9	0.51
(1,2780)	1:61:A:VAL:HG11	1:78:A:PHE:HD1	8	0.51
(1,2780)	1:61:A:VAL:HG11	1:78:A:PHE:HD2	8	0.51
(1,2780)	1:61:A:VAL:HG12	1:78:A:PHE:HD1	8	0.51
(1,2780)	1:61:A:VAL:HG12	1:78:A:PHE:HD2	8	0.51
(1,2780)	1:61:A:VAL:HG13	1:78:A:PHE:HD1	8	0.51
(1,2780)	1:61:A:VAL:HG13	1:78:A:PHE:HD2	8	0.51
(1,2744)	1:7:A:PHE:HB3	1:10:A:GLY:H	16	0.51
(1,2630)	1:106:A:GLU:H	1:106:A:GLU:HB3	3	0.51
(1,2539)	1:111:A:ILE:H	1:111:A:ILE:HG13	3	0.51
(1,2537)	1:19:A:GLU:H	1:19:A:GLU:HB3	18	0.51
(1,2522)	1:24:A:LYS:HB3	1:25:A:LEU:H	3	0.51
(1,2522)	1:24:A:LYS:HB3	1:25:A:LEU:H	17	0.51
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG21	14	0.51
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG22	14	0.51
(1,2090)	1:21:A:GLU:H	1:22:A:VAL:HG23	14	0.51
(1,1991)	1:69:A:TRP:H	1:70:A:PRO:HD2	6	0.51
(1,1962)	1:29:A:LYS:HA	1:30:A:ILE:HG12	1	0.51
(1,1958)	1:61:A:VAL:HG11	1:62:A:GLU:HA	11	0.51
(1,1958)	1:61:A:VAL:HG12	1:62:A:GLU:HA	11	0.51
(1,1958)	1:61:A:VAL:HG13	1:62:A:GLU:HA	11	0.51
(1,1958)	1:61:A:VAL:HG11	1:62:A:GLU:HA	13	0.51
(1,1958)	1:61:A:VAL:HG12	1:62:A:GLU:HA	13	0.51
(1,1958)	1:61:A:VAL:HG13	1:62:A:GLU:HA	13	0.51
(1,1958)	1:61:A:VAL:HG11	1:62:A:GLU:HA	20	0.51
(1,1958)	1:61:A:VAL:HG12	1:62:A:GLU:HA	20	0.51
(1,1958)	1:61:A:VAL:HG13	1:62:A:GLU:HA	20	0.51
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD11	9	0.51
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD12	9	0.51
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD13	9	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1381)	1:61:A:VAL:HG21	1:97:A:VAL:HG11	12	0.51
(1,1381)	1:61:A:VAL:HG21	1:97:A:VAL:HG12	12	0.51
(1,1381)	1:61:A:VAL:HG21	1:97:A:VAL:HG13	12	0.51
(1,1381)	1:61:A:VAL:HG22	1:97:A:VAL:HG11	12	0.51
(1,1381)	1:61:A:VAL:HG22	1:97:A:VAL:HG12	12	0.51
(1,1381)	1:61:A:VAL:HG22	1:97:A:VAL:HG13	12	0.51
(1,1381)	1:61:A:VAL:HG23	1:97:A:VAL:HG11	12	0.51
(1,1381)	1:61:A:VAL:HG23	1:97:A:VAL:HG12	12	0.51
(1,1381)	1:61:A:VAL:HG23	1:97:A:VAL:HG13	12	0.51
(1,1380)	1:58:A:ARG:HG2	1:97:A:VAL:HG11	10	0.51
(1,1380)	1:58:A:ARG:HG2	1:97:A:VAL:HG12	10	0.51
(1,1380)	1:58:A:ARG:HG2	1:97:A:VAL:HG13	10	0.51
(1,1298)	1:22:A:VAL:HG21	1:96:A:ASN:HD21	12	0.51
(1,1298)	1:22:A:VAL:HG22	1:96:A:ASN:HD21	12	0.51
(1,1298)	1:22:A:VAL:HG23	1:96:A:ASN:HD21	12	0.51
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG21	6	0.51
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG22	6	0.51
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG23	6	0.51
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG21	14	0.51
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG22	14	0.51
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG23	14	0.51
(1,1170)	1:15:A:ASP:HB3	1:102:A:VAL:HG11	14	0.51
(1,1170)	1:15:A:ASP:HB3	1:102:A:VAL:HG12	14	0.51
(1,1170)	1:15:A:ASP:HB3	1:102:A:VAL:HG13	14	0.51
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB1	13	0.51
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB2	13	0.51
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB3	13	0.51
(1,1084)	1:15:A:ASP:HB2	1:16:A:LEU:HD21	12	0.51
(1,1084)	1:15:A:ASP:HB2	1:16:A:LEU:HD22	12	0.51
(1,1084)	1:15:A:ASP:HB2	1:16:A:LEU:HD23	12	0.51
(1,1055)	1:26:A:LEU:HD11	1:29:A:LYS:H	7	0.51
(1,1055)	1:26:A:LEU:HD12	1:29:A:LYS:H	7	0.51
(1,1055)	1:26:A:LEU:HD13	1:29:A:LYS:H	7	0.51
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG11	1	0.51
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG12	1	0.51
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG13	1	0.51
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG11	1	0.51
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG12	1	0.51
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG13	1	0.51
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG11	1	0.51
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG12	1	0.51
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG13	1	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD21	12	0.51
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD22	12	0.51
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD23	12	0.51
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD11	18	0.51
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD12	18	0.51
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD13	18	0.51
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD11	18	0.51
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD12	18	0.51
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD13	18	0.51
(1,948)	1:1:A:MET:HB2	1:16:A:LEU:HD11	1	0.51
(1,948)	1:1:A:MET:HB2	1:16:A:LEU:HD12	1	0.51
(1,948)	1:1:A:MET:HB2	1:16:A:LEU:HD13	1	0.51
(1,948)	1:1:A:MET:HB3	1:16:A:LEU:HD11	1	0.51
(1,948)	1:1:A:MET:HB3	1:16:A:LEU:HD12	1	0.51
(1,948)	1:1:A:MET:HB3	1:16:A:LEU:HD13	1	0.51
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG11	1	0.51
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG12	1	0.51
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG13	1	0.51
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG11	16	0.51
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG12	16	0.51
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG13	16	0.51
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG11	19	0.51
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG12	19	0.51
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG13	19	0.51
(1,716)	1:39:A:TRP:HB3	1:42:A:GLU:HB2	6	0.51
(1,704)	1:81:A:LYS:HD2	1:89:A:ILE:HD11	6	0.51
(1,704)	1:81:A:LYS:HD2	1:89:A:ILE:HD12	6	0.51
(1,704)	1:81:A:LYS:HD2	1:89:A:ILE:HD13	6	0.51
(1,287)	1:7:A:PHE:HB2	1:8:A:GLU:HG3	17	0.51
(1,251)	1:17:A:ASN:HA	1:18:A:GLU:HG2	5	0.51
(1,251)	1:17:A:ASN:HA	1:18:A:GLU:HG2	16	0.51
(1,247)	1:56:A:ASN:HB2	1:96:A:ASN:HA	13	0.51
(1,247)	1:56:A:ASN:HB2	1:96:A:ASN:HA	19	0.51
(1,122)	1:112:A:LYS:HG2	1:112:A:LYS:HE2	4	0.51
(1,42)	1:63:A:ILE:HG13	1:80:A:GLY:HA2	10	0.51
(1,2894)	1:39:A:TRP:HZ3	1:84:A:MET:HB3	19	0.5
(1,2887)	1:69:A:TRP:HZ3	1:72:A:GLY:HA2	15	0.5
(1,2710)	1:59:A:GLU:HB2	1:90:A:GLN:HE21	17	0.5
(1,2682)	1:66:A:VAL:HG21	1:67:A:GLY:H	9	0.5
(1,2682)	1:66:A:VAL:HG22	1:67:A:GLY:H	9	0.5
(1,2682)	1:66:A:VAL:HG23	1:67:A:GLY:H	9	0.5
(1,2682)	1:66:A:VAL:HG21	1:67:A:GLY:H	12	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2682)	1:66:A:VAL:HG22	1:67:A:GLY:H	12	0.5
(1,2682)	1:66:A:VAL:HG23	1:67:A:GLY:H	12	0.5
(1,2630)	1:106:A:GLU:H	1:106:A:GLU:HB3	16	0.5
(1,2619)	1:26:A:LEU:HD11	1:49:A:VAL:H	6	0.5
(1,2619)	1:26:A:LEU:HD12	1:49:A:VAL:H	6	0.5
(1,2619)	1:26:A:LEU:HD13	1:49:A:VAL:H	6	0.5
(1,2575)	1:56:A:ASN:H	1:96:A:ASN:HD21	17	0.5
(1,2549)	1:109:A:LYS:HG2	1:110:A:LYS:H	5	0.5
(1,2539)	1:111:A:ILE:H	1:111:A:ILE:HG13	9	0.5
(1,2255)	1:22:A:VAL:HG11	1:51:A:VAL:H	2	0.5
(1,2255)	1:22:A:VAL:HG12	1:51:A:VAL:H	2	0.5
(1,2255)	1:22:A:VAL:HG13	1:51:A:VAL:H	2	0.5
(1,2255)	1:22:A:VAL:HG11	1:51:A:VAL:H	12	0.5
(1,2255)	1:22:A:VAL:HG12	1:51:A:VAL:H	12	0.5
(1,2255)	1:22:A:VAL:HG13	1:51:A:VAL:H	12	0.5
(1,2135)	1:39:A:TRP:H	1:42:A:GLU:HB2	9	0.5
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG11	1	0.5
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG12	1	0.5
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG13	1	0.5
(1,2016)	1:54:A:MET:HB3	1:96:A:ASN:HA	19	0.5
(1,1380)	1:58:A:ARG:HG2	1:97:A:VAL:HG11	12	0.5
(1,1380)	1:58:A:ARG:HG2	1:97:A:VAL:HG12	12	0.5
(1,1380)	1:58:A:ARG:HG2	1:97:A:VAL:HG13	12	0.5
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG21	13	0.5
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG22	13	0.5
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG23	13	0.5
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG21	13	0.5
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG22	13	0.5
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG23	13	0.5
(1,1201)	1:101:A:ILE:H	1:102:A:VAL:HG11	14	0.5
(1,1201)	1:101:A:ILE:H	1:102:A:VAL:HG12	14	0.5
(1,1201)	1:101:A:ILE:H	1:102:A:VAL:HG13	14	0.5
(1,1055)	1:26:A:LEU:HD11	1:29:A:LYS:H	6	0.5
(1,1055)	1:26:A:LEU:HD12	1:29:A:LYS:H	6	0.5
(1,1055)	1:26:A:LEU:HD13	1:29:A:LYS:H	6	0.5
(1,963)	1:79:A:PHE:HA	1:105:A:LEU:HD21	18	0.5
(1,963)	1:79:A:PHE:HA	1:105:A:LEU:HD22	18	0.5
(1,963)	1:79:A:PHE:HA	1:105:A:LEU:HD23	18	0.5
(1,937)	1:77:A:LEU:HD21	1:78:A:PHE:H	19	0.5
(1,937)	1:77:A:LEU:HD22	1:78:A:PHE:H	19	0.5
(1,937)	1:77:A:LEU:HD23	1:78:A:PHE:H	19	0.5
(1,932)	1:105:A:LEU:HD11	1:106:A:GLU:HA	11	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,932)	1:105:A:LEU:HD12	1:106:A:GLU:HA	11	0.5
(1,932)	1:105:A:LEU:HD13	1:106:A:GLU:HA	11	0.5
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG11	4	0.5
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG12	4	0.5
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG13	4	0.5
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG11	11	0.5
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG12	11	0.5
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG13	11	0.5
(1,703)	1:81:A:LYS:HD2	1:85:A:SER:HB2	20	0.5
(1,681)	1:63:A:ILE:HG13	1:79:A:PHE:HA	4	0.5
(1,571)	1:85:A:SER:HB3	1:90:A:GLN:HB3	3	0.5
(1,495)	1:29:A:LYS:HB3	1:49:A:VAL:HG11	6	0.5
(1,495)	1:29:A:LYS:HB3	1:49:A:VAL:HG12	6	0.5
(1,495)	1:29:A:LYS:HB3	1:49:A:VAL:HG13	6	0.5
(1,376)	1:25:A:LEU:HD21	1:28:A:GLU:HG2	17	0.5
(1,376)	1:25:A:LEU:HD22	1:28:A:GLU:HG2	17	0.5
(1,376)	1:25:A:LEU:HD23	1:28:A:GLU:HG2	17	0.5
(1,358)	1:54:A:MET:HB3	1:57:A:PRO:HB3	14	0.5
(1,42)	1:63:A:ILE:HG13	1:80:A:GLY:HA2	12	0.5
(1,2909)	1:39:A:TRP:HZ2	1:84:A:MET:HG3	2	0.49
(1,2781)	1:65:A:ASP:HB3	1:78:A:PHE:HD1	4	0.49
(1,2781)	1:65:A:ASP:HB3	1:78:A:PHE:HD2	4	0.49
(1,2732)	1:22:A:VAL:HG21	1:96:A:ASN:HD22	17	0.49
(1,2732)	1:22:A:VAL:HG22	1:96:A:ASN:HD22	17	0.49
(1,2732)	1:22:A:VAL:HG23	1:96:A:ASN:HD22	17	0.49
(1,2722)	1:61:A:VAL:HG21	1:95:A:VAL:H	9	0.49
(1,2722)	1:61:A:VAL:HG22	1:95:A:VAL:H	9	0.49
(1,2722)	1:61:A:VAL:HG23	1:95:A:VAL:H	9	0.49
(1,2662)	1:7:A:PHE:HD1	1:9:A:SER:H	20	0.49
(1,2630)	1:106:A:GLU:H	1:106:A:GLU:HB3	12	0.49
(1,2613)	1:109:A:LYS:H	1:109:A:LYS:HE3	12	0.49
(1,2575)	1:56:A:ASN:H	1:96:A:ASN:HD21	4	0.49
(1,2514)	1:60:A:VAL:H	1:61:A:VAL:HG21	19	0.49
(1,2514)	1:60:A:VAL:H	1:61:A:VAL:HG22	19	0.49
(1,2514)	1:60:A:VAL:H	1:61:A:VAL:HG23	19	0.49
(1,2379)	1:68:A:TYR:H	1:96:A:ASN:HB3	13	0.49
(1,2296)	1:65:A:ASP:H	1:65:A:ASP:HB3	6	0.49
(1,2296)	1:65:A:ASP:H	1:65:A:ASP:HB3	15	0.49
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG21	2	0.49
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG22	2	0.49
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG23	2	0.49
(1,2146)	1:54:A:MET:H	1:54:A:MET:HB2	18	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2047)	1:26:A:LEU:HD11	1:48:A:PRO:HD2	1	0.49
(1,2047)	1:26:A:LEU:HD12	1:48:A:PRO:HD2	1	0.49
(1,2047)	1:26:A:LEU:HD13	1:48:A:PRO:HD2	1	0.49
(1,1958)	1:61:A:VAL:HG11	1:62:A:GLU:HA	5	0.49
(1,1958)	1:61:A:VAL:HG12	1:62:A:GLU:HA	5	0.49
(1,1958)	1:61:A:VAL:HG13	1:62:A:GLU:HA	5	0.49
(1,1958)	1:61:A:VAL:HG11	1:62:A:GLU:HA	7	0.49
(1,1958)	1:61:A:VAL:HG12	1:62:A:GLU:HA	7	0.49
(1,1958)	1:61:A:VAL:HG13	1:62:A:GLU:HA	7	0.49
(1,1759)	1:2:A:ARG:HA	1:15:A:ASP:HB3	20	0.49
(1,1445)	1:27:A:LYS:HA	1:27:A:LYS:HG3	18	0.49
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG11	8	0.49
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG12	8	0.49
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG13	8	0.49
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG11	8	0.49
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG12	8	0.49
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG13	8	0.49
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG11	8	0.49
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG12	8	0.49
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG13	8	0.49
(1,1395)	1:26:A:LEU:HA	1:49:A:VAL:HG11	11	0.49
(1,1395)	1:26:A:LEU:HA	1:49:A:VAL:HG12	11	0.49
(1,1395)	1:26:A:LEU:HA	1:49:A:VAL:HG13	11	0.49
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG11	16	0.49
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG12	16	0.49
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG13	16	0.49
(1,1317)	1:81:A:LYS:HG2	1:89:A:ILE:HA	8	0.49
(1,1303)	1:22:A:VAL:HG21	1:23:A:VAL:HB	12	0.49
(1,1303)	1:22:A:VAL:HG22	1:23:A:VAL:HB	12	0.49
(1,1303)	1:22:A:VAL:HG23	1:23:A:VAL:HB	12	0.49
(1,1292)	1:13:A:VAL:HG11	1:103:A:GLU:HG2	4	0.49
(1,1292)	1:13:A:VAL:HG12	1:103:A:GLU:HG2	4	0.49
(1,1292)	1:13:A:VAL:HG13	1:103:A:GLU:HG2	4	0.49
(1,1288)	1:5:A:LEU:H	1:13:A:VAL:HG11	20	0.49
(1,1288)	1:5:A:LEU:H	1:13:A:VAL:HG12	20	0.49
(1,1288)	1:5:A:LEU:H	1:13:A:VAL:HG13	20	0.49
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG21	12	0.49
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG22	12	0.49
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG23	12	0.49
(1,1203)	1:100:A:LYS:H	1:102:A:VAL:HG11	8	0.49
(1,1203)	1:100:A:LYS:H	1:102:A:VAL:HG12	8	0.49
(1,1203)	1:100:A:LYS:H	1:102:A:VAL:HG13	8	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG21	6	0.49
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG22	6	0.49
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG23	6	0.49
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG21	6	0.49
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG22	6	0.49
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG23	6	0.49
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG21	6	0.49
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG22	6	0.49
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG23	6	0.49
(1,1079)	1:16:A:LEU:HA	1:16:A:LEU:HD21	1	0.49
(1,1079)	1:16:A:LEU:HA	1:16:A:LEU:HD22	1	0.49
(1,1079)	1:16:A:LEU:HA	1:16:A:LEU:HD23	1	0.49
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD21	1	0.49
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD22	1	0.49
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD23	1	0.49
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD21	1	0.49
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD22	1	0.49
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD23	1	0.49
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD21	1	0.49
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD22	1	0.49
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD23	1	0.49
(1,932)	1:105:A:LEU:HD11	1:106:A:GLU:HA	3	0.49
(1,932)	1:105:A:LEU:HD12	1:106:A:GLU:HA	3	0.49
(1,932)	1:105:A:LEU:HD13	1:106:A:GLU:HA	3	0.49
(1,921)	1:22:A:VAL:H	1:25:A:LEU:HD11	13	0.49
(1,921)	1:22:A:VAL:H	1:25:A:LEU:HD12	13	0.49
(1,921)	1:22:A:VAL:H	1:25:A:LEU:HD13	13	0.49
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG11	6	0.49
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG12	6	0.49
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG13	6	0.49
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG11	7	0.49
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG12	7	0.49
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG13	7	0.49
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG11	15	0.49
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG12	15	0.49
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG13	15	0.49
(1,843)	1:5:A:LEU:HA	1:5:A:LEU:HD11	4	0.49
(1,843)	1:5:A:LEU:HA	1:5:A:LEU:HD12	4	0.49
(1,843)	1:5:A:LEU:HA	1:5:A:LEU:HD13	4	0.49
(1,843)	1:5:A:LEU:HA	1:5:A:LEU:HD11	9	0.49
(1,843)	1:5:A:LEU:HA	1:5:A:LEU:HD12	9	0.49
(1,843)	1:5:A:LEU:HA	1:5:A:LEU:HD13	9	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,838)	1:78:A:PHE:HZ	1:91:A:PRO:HG2	15	0.49
(1,838)	1:78:A:PHE:HZ	1:91:A:PRO:HG2	17	0.49
(1,819)	1:108:A:LEU:HD21	1:111:A:ILE:HG13	1	0.49
(1,819)	1:108:A:LEU:HD22	1:111:A:ILE:HG13	1	0.49
(1,819)	1:108:A:LEU:HD23	1:111:A:ILE:HG13	1	0.49
(1,658)	1:72:A:GLY:HA3	1:73:A:LYS:HD2	13	0.49
(1,658)	1:72:A:GLY:HA3	1:73:A:LYS:HD3	13	0.49
(1,552)	1:54:A:MET:HG2	1:57:A:PRO:HG3	20	0.49
(1,495)	1:29:A:LYS:HB3	1:49:A:VAL:HG11	11	0.49
(1,495)	1:29:A:LYS:HB3	1:49:A:VAL:HG12	11	0.49
(1,495)	1:29:A:LYS:HB3	1:49:A:VAL:HG13	11	0.49
(1,261)	1:3:A:VAL:HA	1:121:A:PHE:HB2	7	0.49
(1,261)	1:3:A:VAL:HA	1:121:A:PHE:HB2	10	0.49
(1,261)	1:3:A:VAL:HA	1:121:A:PHE:HB2	13	0.49
(1,251)	1:17:A:ASN:HA	1:18:A:GLU:HG2	6	0.49
(1,220)	1:95:A:VAL:HA	1:96:A:ASN:HB2	10	0.49
(1,193)	1:107:A:ASP:HB3	1:108:A:LEU:HD21	1	0.49
(1,193)	1:107:A:ASP:HB3	1:108:A:LEU:HD22	1	0.49
(1,193)	1:107:A:ASP:HB3	1:108:A:LEU:HD23	1	0.49
(1,146)	1:116:A:LYS:H	1:116:A:LYS:HE3	10	0.49
(1,30)	1:15:A:ASP:HA	1:16:A:LEU:HB3	6	0.49
(1,26)	1:104:A:GLY:HA3	1:107:A:ASP:HB2	11	0.49
(1,2797)	1:27:A:LYS:HG3	1:121:A:PHE:HE1	13	0.48
(1,2797)	1:27:A:LYS:HG3	1:121:A:PHE:HE2	13	0.48
(1,2780)	1:61:A:VAL:HG11	1:78:A:PHE:HD1	9	0.48
(1,2780)	1:61:A:VAL:HG11	1:78:A:PHE:HD2	9	0.48
(1,2780)	1:61:A:VAL:HG12	1:78:A:PHE:HD1	9	0.48
(1,2780)	1:61:A:VAL:HG12	1:78:A:PHE:HD2	9	0.48
(1,2780)	1:61:A:VAL:HG13	1:78:A:PHE:HD1	9	0.48
(1,2780)	1:61:A:VAL:HG13	1:78:A:PHE:HD2	9	0.48
(1,2744)	1:7:A:PHE:HB3	1:10:A:GLY:H	2	0.48
(1,2630)	1:106:A:GLU:H	1:106:A:GLU:HB3	14	0.48
(1,2539)	1:111:A:ILE:H	1:111:A:ILE:HG13	6	0.48
(1,2458)	1:88:A:LYS:H	1:88:A:LYS:HB2	4	0.48
(1,2398)	1:107:A:ASP:H	1:107:A:ASP:HB2	17	0.48
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG21	4	0.48
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG22	4	0.48
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG23	4	0.48
(1,2048)	1:48:A:PRO:HD2	1:49:A:VAL:HG11	10	0.48
(1,2048)	1:48:A:PRO:HD2	1:49:A:VAL:HG12	10	0.48
(1,2048)	1:48:A:PRO:HD2	1:49:A:VAL:HG13	10	0.48
(1,1966)	1:2:A:ARG:HG3	1:15:A:ASP:HA	20	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1895)	1:27:A:LYS:HG3	1:30:A:ILE:HD11	13	0.48
(1,1895)	1:27:A:LYS:HG3	1:30:A:ILE:HD12	13	0.48
(1,1895)	1:27:A:LYS:HG3	1:30:A:ILE:HD13	13	0.48
(1,1876)	1:60:A:VAL:HG11	1:88:A:LYS:HA	13	0.48
(1,1876)	1:60:A:VAL:HG12	1:88:A:LYS:HA	13	0.48
(1,1876)	1:60:A:VAL:HG13	1:88:A:LYS:HA	13	0.48
(1,1572)	1:7:A:PHE:HD1	1:111:A:ILE:HG23	5	0.48
(1,1483)	1:53:A:LYS:HG3	1:55:A:GLU:HA	15	0.48
(1,1303)	1:22:A:VAL:HG21	1:23:A:VAL:HB	20	0.48
(1,1303)	1:22:A:VAL:HG22	1:23:A:VAL:HB	20	0.48
(1,1303)	1:22:A:VAL:HG23	1:23:A:VAL:HB	20	0.48
(1,1298)	1:22:A:VAL:HG21	1:96:A:ASN:HD21	14	0.48
(1,1298)	1:22:A:VAL:HG22	1:96:A:ASN:HD21	14	0.48
(1,1298)	1:22:A:VAL:HG23	1:96:A:ASN:HD21	14	0.48
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG21	17	0.48
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG22	17	0.48
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG23	17	0.48
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG21	17	0.48
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG22	17	0.48
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG23	17	0.48
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG21	18	0.48
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG22	18	0.48
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG23	18	0.48
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG21	18	0.48
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG22	18	0.48
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG23	18	0.48
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG21	8	0.48
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG22	8	0.48
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG23	8	0.48
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG21	18	0.48
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG22	18	0.48
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG23	18	0.48
(1,1240)	1:77:A:LEU:HD11	1:108:A:LEU:HD21	7	0.48
(1,1240)	1:77:A:LEU:HD11	1:108:A:LEU:HD22	7	0.48
(1,1240)	1:77:A:LEU:HD11	1:108:A:LEU:HD23	7	0.48
(1,1240)	1:77:A:LEU:HD12	1:108:A:LEU:HD21	7	0.48
(1,1240)	1:77:A:LEU:HD12	1:108:A:LEU:HD22	7	0.48
(1,1240)	1:77:A:LEU:HD12	1:108:A:LEU:HD23	7	0.48
(1,1240)	1:77:A:LEU:HD13	1:108:A:LEU:HD21	7	0.48
(1,1240)	1:77:A:LEU:HD13	1:108:A:LEU:HD22	7	0.48
(1,1240)	1:77:A:LEU:HD13	1:108:A:LEU:HD23	7	0.48
(1,1238)	1:12:A:CYS:HB3	1:108:A:LEU:HD21	12	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1238)	1:12:A:CYS:HB3	1:108:A:LEU:HD22	12	0.48
(1,1238)	1:12:A:CYS:HB3	1:108:A:LEU:HD23	12	0.48
(1,1203)	1:100:A:LYS:H	1:102:A:VAL:HG11	11	0.48
(1,1203)	1:100:A:LYS:H	1:102:A:VAL:HG12	11	0.48
(1,1203)	1:100:A:LYS:H	1:102:A:VAL:HG13	11	0.48
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD21	1	0.48
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD22	1	0.48
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD23	1	0.48
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD21	9	0.48
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD22	9	0.48
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD23	9	0.48
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD21	9	0.48
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD22	9	0.48
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD23	9	0.48
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD21	6	0.48
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD22	6	0.48
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD23	6	0.48
(1,946)	1:16:A:LEU:HD11	1:23:A:VAL:HA	8	0.48
(1,946)	1:16:A:LEU:HD12	1:23:A:VAL:HA	8	0.48
(1,946)	1:16:A:LEU:HD13	1:23:A:VAL:HA	8	0.48
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG11	10	0.48
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG12	10	0.48
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG13	10	0.48
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG11	17	0.48
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG12	17	0.48
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG13	17	0.48
(1,888)	1:77:A:LEU:HD11	1:108:A:LEU:HB3	7	0.48
(1,888)	1:77:A:LEU:HD12	1:108:A:LEU:HB3	7	0.48
(1,888)	1:77:A:LEU:HD13	1:108:A:LEU:HB3	7	0.48
(1,868)	1:119:A:VAL:HG21	1:120:A:ARG:HG3	16	0.48
(1,868)	1:119:A:VAL:HG22	1:120:A:ARG:HG3	16	0.48
(1,868)	1:119:A:VAL:HG23	1:120:A:ARG:HG3	16	0.48
(1,838)	1:78:A:PHE:HZ	1:91:A:PRO:HG2	9	0.48
(1,793)	1:77:A:LEU:HB2	1:108:A:LEU:HD11	12	0.48
(1,793)	1:77:A:LEU:HB2	1:108:A:LEU:HD12	12	0.48
(1,793)	1:77:A:LEU:HB2	1:108:A:LEU:HD13	12	0.48
(1,793)	1:77:A:LEU:HB3	1:108:A:LEU:HD11	12	0.48
(1,793)	1:77:A:LEU:HB3	1:108:A:LEU:HD12	12	0.48
(1,793)	1:77:A:LEU:HB3	1:108:A:LEU:HD13	12	0.48
(1,740)	1:2:A:ARG:HG3	1:16:A:LEU:H	10	0.48
(1,716)	1:39:A:TRP:HB3	1:42:A:GLU:HB2	4	0.48
(1,691)	1:62:A:GLU:HA	1:63:A:ILE:HG12	16	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,653)	1:30:A:ILE:HG13	1:32:A:PHE:H	4	0.48
(1,346)	1:33:A:GLU:HB3	1:33:A:GLU:HG3	11	0.48
(1,346)	1:33:A:GLU:HB3	1:33:A:GLU:HG3	12	0.48
(1,261)	1:3:A:VAL:HA	1:121:A:PHE:HB2	17	0.48
(1,261)	1:3:A:VAL:HA	1:121:A:PHE:HB2	19	0.48
(1,251)	1:17:A:ASN:HA	1:18:A:GLU:HG2	12	0.48
(1,193)	1:107:A:ASP:HB3	1:108:A:LEU:HD21	8	0.48
(1,193)	1:107:A:ASP:HB3	1:108:A:LEU:HD22	8	0.48
(1,193)	1:107:A:ASP:HB3	1:108:A:LEU:HD23	8	0.48
(1,42)	1:63:A:ILE:HG13	1:80:A:GLY:HA2	6	0.48
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA2	2	0.48
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA3	2	0.48
(1,30)	1:15:A:ASP:HA	1:16:A:LEU:HB3	18	0.48
(1,2843)	1:26:A:LEU:HD11	1:32:A:PHE:HE1	19	0.47
(1,2843)	1:26:A:LEU:HD11	1:32:A:PHE:HE2	19	0.47
(1,2843)	1:26:A:LEU:HD12	1:32:A:PHE:HE1	19	0.47
(1,2843)	1:26:A:LEU:HD12	1:32:A:PHE:HE2	19	0.47
(1,2843)	1:26:A:LEU:HD13	1:32:A:PHE:HE1	19	0.47
(1,2843)	1:26:A:LEU:HD13	1:32:A:PHE:HE2	19	0.47
(1,2780)	1:61:A:VAL:HG11	1:78:A:PHE:HD1	11	0.47
(1,2780)	1:61:A:VAL:HG11	1:78:A:PHE:HD2	11	0.47
(1,2780)	1:61:A:VAL:HG12	1:78:A:PHE:HD1	11	0.47
(1,2780)	1:61:A:VAL:HG12	1:78:A:PHE:HD2	11	0.47
(1,2780)	1:61:A:VAL:HG13	1:78:A:PHE:HD1	11	0.47
(1,2780)	1:61:A:VAL:HG13	1:78:A:PHE:HD2	11	0.47
(1,2769)	1:79:A:PHE:HD1	1:109:A:LYS:HE3	13	0.47
(1,2769)	1:79:A:PHE:HD2	1:109:A:LYS:HE3	13	0.47
(1,2630)	1:106:A:GLU:H	1:106:A:GLU:HB3	10	0.47
(1,2630)	1:106:A:GLU:H	1:106:A:GLU:HB3	13	0.47
(1,2539)	1:111:A:ILE:H	1:111:A:ILE:HG13	7	0.47
(1,2146)	1:54:A:MET:H	1:54:A:MET:HB2	13	0.47
(1,1991)	1:69:A:TRP:H	1:70:A:PRO:HD2	12	0.47
(1,1966)	1:2:A:ARG:HG3	1:15:A:ASP:HA	12	0.47
(1,1962)	1:29:A:LYS:HA	1:30:A:ILE:HG12	2	0.47
(1,1931)	1:81:A:LYS:HG2	1:89:A:ILE:HD11	4	0.47
(1,1931)	1:81:A:LYS:HG2	1:89:A:ILE:HD12	4	0.47
(1,1931)	1:81:A:LYS:HG2	1:89:A:ILE:HD13	4	0.47
(1,1636)	1:85:A:SER:HA	1:90:A:GLN:HG2	17	0.47
(1,1445)	1:27:A:LYS:HA	1:27:A:LYS:HG3	3	0.47
(1,1378)	1:56:A:ASN:HD22	1:97:A:VAL:HG11	11	0.47
(1,1378)	1:56:A:ASN:HD22	1:97:A:VAL:HG12	11	0.47
(1,1378)	1:56:A:ASN:HD22	1:97:A:VAL:HG13	11	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG11	15	0.47
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG12	15	0.47
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG13	15	0.47
(1,1292)	1:13:A:VAL:HG11	1:103:A:GLU:HG2	8	0.47
(1,1292)	1:13:A:VAL:HG12	1:103:A:GLU:HG2	8	0.47
(1,1292)	1:13:A:VAL:HG13	1:103:A:GLU:HG2	8	0.47
(1,1272)	1:51:A:VAL:HG11	1:53:A:LYS:H	13	0.47
(1,1272)	1:51:A:VAL:HG12	1:53:A:LYS:H	13	0.47
(1,1272)	1:51:A:VAL:HG13	1:53:A:LYS:H	13	0.47
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG21	11	0.47
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG22	11	0.47
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG23	11	0.47
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG21	17	0.47
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG22	17	0.47
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG23	17	0.47
(1,1239)	1:108:A:LEU:HD21	1:110:A:LYS:HG2	17	0.47
(1,1239)	1:108:A:LEU:HD22	1:110:A:LYS:HG2	17	0.47
(1,1239)	1:108:A:LEU:HD23	1:110:A:LYS:HG2	17	0.47
(1,1079)	1:16:A:LEU:HA	1:16:A:LEU:HD21	4	0.47
(1,1079)	1:16:A:LEU:HA	1:16:A:LEU:HD22	4	0.47
(1,1079)	1:16:A:LEU:HA	1:16:A:LEU:HD23	4	0.47
(1,1031)	1:26:A:LEU:HD11	1:32:A:PHE:HZ	17	0.47
(1,1031)	1:26:A:LEU:HD12	1:32:A:PHE:HZ	17	0.47
(1,1031)	1:26:A:LEU:HD13	1:32:A:PHE:HZ	17	0.47
(1,912)	1:16:A:LEU:HD11	1:23:A:VAL:HG11	17	0.47
(1,912)	1:16:A:LEU:HD11	1:23:A:VAL:HG12	17	0.47
(1,912)	1:16:A:LEU:HD11	1:23:A:VAL:HG13	17	0.47
(1,912)	1:16:A:LEU:HD12	1:23:A:VAL:HG11	17	0.47
(1,912)	1:16:A:LEU:HD12	1:23:A:VAL:HG12	17	0.47
(1,912)	1:16:A:LEU:HD12	1:23:A:VAL:HG13	17	0.47
(1,912)	1:16:A:LEU:HD13	1:23:A:VAL:HG11	17	0.47
(1,912)	1:16:A:LEU:HD13	1:23:A:VAL:HG12	17	0.47
(1,912)	1:16:A:LEU:HD13	1:23:A:VAL:HG13	17	0.47
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG11	5	0.47
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG12	5	0.47
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG13	5	0.47
(1,867)	1:57:A:PRO:HA	1:58:A:ARG:HG3	2	0.47
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG21	5	0.47
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG22	5	0.47
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG23	5	0.47
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG21	5	0.47
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG22	5	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG23	5	0.47
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG21	5	0.47
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG22	5	0.47
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG23	5	0.47
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG11	5	0.47
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG12	5	0.47
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG13	5	0.47
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG11	5	0.47
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG12	5	0.47
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG13	5	0.47
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG11	5	0.47
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG12	5	0.47
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG13	5	0.47
(1,826)	1:7:A:PHE:HD1	1:111:A:ILE:HG12	17	0.47
(1,716)	1:39:A:TRP:HB3	1:42:A:GLU:HB2	5	0.47
(1,521)	1:51:A:VAL:HG11	1:53:A:LYS:HB2	11	0.47
(1,521)	1:51:A:VAL:HG12	1:53:A:LYS:HB2	11	0.47
(1,521)	1:51:A:VAL:HG13	1:53:A:LYS:HB2	11	0.47
(1,519)	1:51:A:VAL:HG11	1:53:A:LYS:HB3	9	0.47
(1,519)	1:51:A:VAL:HG12	1:53:A:LYS:HB3	9	0.47
(1,519)	1:51:A:VAL:HG13	1:53:A:LYS:HB3	9	0.47
(1,497)	1:29:A:LYS:HB2	1:49:A:VAL:HG11	18	0.47
(1,497)	1:29:A:LYS:HB2	1:49:A:VAL:HG12	18	0.47
(1,497)	1:29:A:LYS:HB2	1:49:A:VAL:HG13	18	0.47
(1,495)	1:29:A:LYS:HB3	1:49:A:VAL:HG11	16	0.47
(1,495)	1:29:A:LYS:HB3	1:49:A:VAL:HG12	16	0.47
(1,495)	1:29:A:LYS:HB3	1:49:A:VAL:HG13	16	0.47
(1,386)	1:61:A:VAL:HG11	1:62:A:GLU:HG2	2	0.47
(1,386)	1:61:A:VAL:HG12	1:62:A:GLU:HG2	2	0.47
(1,386)	1:61:A:VAL:HG13	1:62:A:GLU:HG2	2	0.47
(1,386)	1:61:A:VAL:HG11	1:62:A:GLU:HG2	17	0.47
(1,386)	1:61:A:VAL:HG12	1:62:A:GLU:HG2	17	0.47
(1,386)	1:61:A:VAL:HG13	1:62:A:GLU:HG2	17	0.47
(1,360)	1:105:A:LEU:HD11	1:106:A:GLU:HG2	6	0.47
(1,360)	1:105:A:LEU:HD11	1:106:A:GLU:HG3	6	0.47
(1,360)	1:105:A:LEU:HD12	1:106:A:GLU:HG2	6	0.47
(1,360)	1:105:A:LEU:HD12	1:106:A:GLU:HG3	6	0.47
(1,360)	1:105:A:LEU:HD13	1:106:A:GLU:HG2	6	0.47
(1,360)	1:105:A:LEU:HD13	1:106:A:GLU:HG3	6	0.47
(1,346)	1:33:A:GLU:HB3	1:33:A:GLU:HG3	2	0.47
(1,346)	1:33:A:GLU:HB3	1:33:A:GLU:HG3	6	0.47
(1,346)	1:33:A:GLU:HB3	1:33:A:GLU:HG3	8	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,346)	1:33:A:GLU:HB3	1:33:A:GLU:HG3	9	0.47
(1,346)	1:33:A:GLU:HB3	1:33:A:GLU:HG3	13	0.47
(1,346)	1:33:A:GLU:HB3	1:33:A:GLU:HG3	14	0.47
(1,346)	1:33:A:GLU:HB3	1:33:A:GLU:HG3	18	0.47
(1,231)	1:65:A:ASP:H	1:78:A:PHE:HB3	10	0.47
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA2	5	0.47
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA3	5	0.47
(1,18)	1:16:A:LEU:HD21	1:99:A:GLY:HA2	8	0.47
(1,18)	1:16:A:LEU:HD22	1:99:A:GLY:HA2	8	0.47
(1,18)	1:16:A:LEU:HD23	1:99:A:GLY:HA2	8	0.47
(1,2910)	1:39:A:TRP:HZ2	1:84:A:MET:HB3	19	0.46
(1,2902)	1:20:A:TYR:HE1	1:56:A:ASN:HB3	14	0.46
(1,2902)	1:20:A:TYR:HE2	1:56:A:ASN:HB3	14	0.46
(1,2902)	1:20:A:TYR:HE1	1:56:A:ASN:HB3	16	0.46
(1,2902)	1:20:A:TYR:HE2	1:56:A:ASN:HB3	16	0.46
(1,2829)	1:27:A:LYS:HG3	1:121:A:PHE:HZ	4	0.46
(1,2780)	1:61:A:VAL:HG11	1:78:A:PHE:HD1	1	0.46
(1,2780)	1:61:A:VAL:HG11	1:78:A:PHE:HD2	1	0.46
(1,2780)	1:61:A:VAL:HG12	1:78:A:PHE:HD1	1	0.46
(1,2780)	1:61:A:VAL:HG12	1:78:A:PHE:HD2	1	0.46
(1,2780)	1:61:A:VAL:HG13	1:78:A:PHE:HD1	1	0.46
(1,2780)	1:61:A:VAL:HG13	1:78:A:PHE:HD2	1	0.46
(1,2631)	1:105:A:LEU:HB2	1:106:A:GLU:H	4	0.46
(1,2410)	1:115:A:GLU:H	1:115:A:GLU:HG2	13	0.46
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG11	3	0.46
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG12	3	0.46
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG13	3	0.46
(1,2286)	1:22:A:VAL:HG11	1:26:A:LEU:H	10	0.46
(1,2286)	1:22:A:VAL:HG12	1:26:A:LEU:H	10	0.46
(1,2286)	1:22:A:VAL:HG13	1:26:A:LEU:H	10	0.46
(1,2213)	1:16:A:LEU:H	1:16:A:LEU:HB3	15	0.46
(1,1395)	1:26:A:LEU:HA	1:49:A:VAL:HG11	1	0.46
(1,1395)	1:26:A:LEU:HA	1:49:A:VAL:HG12	1	0.46
(1,1395)	1:26:A:LEU:HA	1:49:A:VAL:HG13	1	0.46
(1,1395)	1:26:A:LEU:HA	1:49:A:VAL:HG11	2	0.46
(1,1395)	1:26:A:LEU:HA	1:49:A:VAL:HG12	2	0.46
(1,1395)	1:26:A:LEU:HA	1:49:A:VAL:HG13	2	0.46
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG11	10	0.46
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG12	10	0.46
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG13	10	0.46
(1,1297)	1:22:A:VAL:HG21	1:23:A:VAL:H	13	0.46
(1,1297)	1:22:A:VAL:HG22	1:23:A:VAL:H	13	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1297)	1:22:A:VAL:HG23	1:23:A:VAL:H	13	0.46
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG21	15	0.46
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG22	15	0.46
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG23	15	0.46
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG21	15	0.46
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG22	15	0.46
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG23	15	0.46
(1,1288)	1:5:A:LEU:H	1:13:A:VAL:HG11	17	0.46
(1,1288)	1:5:A:LEU:H	1:13:A:VAL:HG12	17	0.46
(1,1288)	1:5:A:LEU:H	1:13:A:VAL:HG13	17	0.46
(1,1276)	1:119:A:VAL:HG21	1:120:A:ARG:H	12	0.46
(1,1276)	1:119:A:VAL:HG22	1:120:A:ARG:H	12	0.46
(1,1276)	1:119:A:VAL:HG23	1:120:A:ARG:H	12	0.46
(1,1268)	1:119:A:VAL:HG21	1:120:A:ARG:HG2	9	0.46
(1,1268)	1:119:A:VAL:HG22	1:120:A:ARG:HG2	9	0.46
(1,1268)	1:119:A:VAL:HG23	1:120:A:ARG:HG2	9	0.46
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG21	2	0.46
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG22	2	0.46
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG23	2	0.46
(1,1240)	1:77:A:LEU:HD11	1:108:A:LEU:HD21	9	0.46
(1,1240)	1:77:A:LEU:HD11	1:108:A:LEU:HD22	9	0.46
(1,1240)	1:77:A:LEU:HD11	1:108:A:LEU:HD23	9	0.46
(1,1240)	1:77:A:LEU:HD12	1:108:A:LEU:HD21	9	0.46
(1,1240)	1:77:A:LEU:HD12	1:108:A:LEU:HD22	9	0.46
(1,1240)	1:77:A:LEU:HD12	1:108:A:LEU:HD23	9	0.46
(1,1240)	1:77:A:LEU:HD13	1:108:A:LEU:HD21	9	0.46
(1,1240)	1:77:A:LEU:HD13	1:108:A:LEU:HD22	9	0.46
(1,1240)	1:77:A:LEU:HD13	1:108:A:LEU:HD23	9	0.46
(1,1200)	1:61:A:VAL:HG21	1:95:A:VAL:HG11	16	0.46
(1,1200)	1:61:A:VAL:HG21	1:95:A:VAL:HG12	16	0.46
(1,1200)	1:61:A:VAL:HG21	1:95:A:VAL:HG13	16	0.46
(1,1200)	1:61:A:VAL:HG22	1:95:A:VAL:HG11	16	0.46
(1,1200)	1:61:A:VAL:HG22	1:95:A:VAL:HG12	16	0.46
(1,1200)	1:61:A:VAL:HG22	1:95:A:VAL:HG13	16	0.46
(1,1200)	1:61:A:VAL:HG23	1:95:A:VAL:HG11	16	0.46
(1,1200)	1:61:A:VAL:HG23	1:95:A:VAL:HG12	16	0.46
(1,1200)	1:61:A:VAL:HG23	1:95:A:VAL:HG13	16	0.46
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG21	5	0.46
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG22	5	0.46
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG23	5	0.46
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG21	5	0.46
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG22	5	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG23	5	0.46
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG21	5	0.46
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG22	5	0.46
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG23	5	0.46
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG11	2	0.46
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG12	2	0.46
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG13	2	0.46
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG11	8	0.46
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG12	8	0.46
(1,898)	1:23:A:VAL:H	1:23:A:VAL:HG13	8	0.46
(1,843)	1:5:A:LEU:HA	1:5:A:LEU:HD11	2	0.46
(1,843)	1:5:A:LEU:HA	1:5:A:LEU:HD12	2	0.46
(1,843)	1:5:A:LEU:HA	1:5:A:LEU:HD13	2	0.46
(1,838)	1:78:A:PHE:HZ	1:91:A:PRO:HG2	16	0.46
(1,825)	1:7:A:PHE:HB3	1:111:A:ILE:HG12	5	0.46
(1,740)	1:2:A:ARG:HG3	1:16:A:LEU:H	1	0.46
(1,739)	1:2:A:ARG:HG3	1:15:A:ASP:HB2	2	0.46
(1,739)	1:2:A:ARG:HG3	1:15:A:ASP:HB3	2	0.46
(1,690)	1:63:A:ILE:HG12	1:64:A:GLY:H	15	0.46
(1,663)	1:110:A:LYS:HA	1:110:A:LYS:HD3	1	0.46
(1,653)	1:30:A:ILE:HG13	1:32:A:PHE:H	10	0.46
(1,653)	1:30:A:ILE:HG13	1:32:A:PHE:H	14	0.46
(1,589)	1:18:A:GLU:HG3	1:23:A:VAL:HB	15	0.46
(1,563)	1:109:A:LYS:HB3	1:109:A:LYS:HE3	5	0.46
(1,551)	1:53:A:LYS:HA	1:54:A:MET:HG2	17	0.46
(1,495)	1:29:A:LYS:HB3	1:49:A:VAL:HG11	4	0.46
(1,495)	1:29:A:LYS:HB3	1:49:A:VAL:HG12	4	0.46
(1,495)	1:29:A:LYS:HB3	1:49:A:VAL:HG13	4	0.46
(1,346)	1:33:A:GLU:HB3	1:33:A:GLU:HG3	1	0.46
(1,346)	1:33:A:GLU:HB3	1:33:A:GLU:HG3	5	0.46
(1,346)	1:33:A:GLU:HB3	1:33:A:GLU:HG3	7	0.46
(1,261)	1:3:A:VAL:HA	1:121:A:PHE:HB2	4	0.46
(1,231)	1:65:A:ASP:H	1:78:A:PHE:HB3	1	0.46
(1,158)	1:62:A:GLU:HB3	1:65:A:ASP:HB2	10	0.46
(1,131)	1:79:A:PHE:HE1	1:109:A:LYS:HE3	13	0.46
(1,131)	1:79:A:PHE:HE2	1:109:A:LYS:HE3	13	0.46
(1,31)	1:1:A:MET:HB2	1:16:A:LEU:HB3	17	0.46
(1,31)	1:1:A:MET:HB3	1:16:A:LEU:HB3	17	0.46
(1,18)	1:16:A:LEU:HD21	1:99:A:GLY:HA2	4	0.46
(1,18)	1:16:A:LEU:HD22	1:99:A:GLY:HA2	4	0.46
(1,18)	1:16:A:LEU:HD23	1:99:A:GLY:HA2	4	0.46
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG11	18	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG12	18	0.45
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG13	18	0.45
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG11	18	0.45
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG12	18	0.45
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG13	18	0.45
(1,2603)	1:33:A:GLU:HG3	1:34:A:SER:H	8	0.45
(1,2286)	1:22:A:VAL:HG11	1:26:A:LEU:H	14	0.45
(1,2286)	1:22:A:VAL:HG12	1:26:A:LEU:H	14	0.45
(1,2286)	1:22:A:VAL:HG13	1:26:A:LEU:H	14	0.45
(1,2269)	1:30:A:ILE:H	1:30:A:ILE:HG12	9	0.45
(1,2147)	1:18:A:GLU:H	1:18:A:GLU:HG2	8	0.45
(1,2147)	1:18:A:GLU:H	1:18:A:GLU:HG2	16	0.45
(1,2146)	1:54:A:MET:H	1:54:A:MET:HB2	9	0.45
(1,2146)	1:54:A:MET:H	1:54:A:MET:HB2	15	0.45
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG21	5	0.45
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG22	5	0.45
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG23	5	0.45
(1,1568)	1:111:A:ILE:HG21	1:115:A:GLU:HB2	14	0.45
(1,1568)	1:111:A:ILE:HG22	1:115:A:GLU:HB2	14	0.45
(1,1568)	1:111:A:ILE:HG23	1:115:A:GLU:HB2	14	0.45
(1,1511)	1:102:A:VAL:H	1:102:A:VAL:HG21	16	0.45
(1,1511)	1:102:A:VAL:H	1:102:A:VAL:HG22	16	0.45
(1,1511)	1:102:A:VAL:H	1:102:A:VAL:HG23	16	0.45
(1,1483)	1:53:A:LYS:HG3	1:55:A:GLU:HA	11	0.45
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG11	4	0.45
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG12	4	0.45
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG13	4	0.45
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG11	17	0.45
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG12	17	0.45
(1,1369)	1:33:A:GLU:HA	1:119:A:VAL:HG13	17	0.45
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG11	11	0.45
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG12	11	0.45
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG13	11	0.45
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG11	11	0.45
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG12	11	0.45
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG13	11	0.45
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG11	11	0.45
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG12	11	0.45
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG13	11	0.45
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG11	11	0.45
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG12	11	0.45
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG13	11	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG11	11	0.45
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG12	11	0.45
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG13	11	0.45
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG11	11	0.45
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG12	11	0.45
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG13	11	0.45
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG11	20	0.45
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG12	20	0.45
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG13	20	0.45
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG11	20	0.45
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG12	20	0.45
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG13	20	0.45
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG11	20	0.45
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG12	20	0.45
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG13	20	0.45
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG11	20	0.45
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG12	20	0.45
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG13	20	0.45
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG11	20	0.45
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG12	20	0.45
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG13	20	0.45
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG11	20	0.45
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG12	20	0.45
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG13	20	0.45
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG11	3	0.45
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG12	3	0.45
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG13	3	0.45
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG11	13	0.45
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG12	13	0.45
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG13	13	0.45
(1,1298)	1:22:A:VAL:HG21	1:96:A:ASN:HD21	7	0.45
(1,1298)	1:22:A:VAL:HG22	1:96:A:ASN:HD21	7	0.45
(1,1298)	1:22:A:VAL:HG23	1:96:A:ASN:HD21	7	0.45
(1,1268)	1:119:A:VAL:HG21	1:120:A:ARG:HG2	11	0.45
(1,1268)	1:119:A:VAL:HG22	1:120:A:ARG:HG2	11	0.45
(1,1268)	1:119:A:VAL:HG23	1:120:A:ARG:HG2	11	0.45
(1,1231)	1:14:A:ILE:HA	1:66:A:VAL:HG21	6	0.45
(1,1231)	1:14:A:ILE:HA	1:66:A:VAL:HG22	6	0.45
(1,1231)	1:14:A:ILE:HA	1:66:A:VAL:HG23	6	0.45
(1,1201)	1:101:A:ILE:H	1:102:A:VAL:HG11	8	0.45
(1,1201)	1:101:A:ILE:H	1:102:A:VAL:HG12	8	0.45
(1,1201)	1:101:A:ILE:H	1:102:A:VAL:HG13	8	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1200)	1:61:A:VAL:HG21	1:95:A:VAL:HG11	7	0.45
(1,1200)	1:61:A:VAL:HG21	1:95:A:VAL:HG12	7	0.45
(1,1200)	1:61:A:VAL:HG21	1:95:A:VAL:HG13	7	0.45
(1,1200)	1:61:A:VAL:HG22	1:95:A:VAL:HG11	7	0.45
(1,1200)	1:61:A:VAL:HG22	1:95:A:VAL:HG12	7	0.45
(1,1200)	1:61:A:VAL:HG22	1:95:A:VAL:HG13	7	0.45
(1,1200)	1:61:A:VAL:HG23	1:95:A:VAL:HG11	7	0.45
(1,1200)	1:61:A:VAL:HG23	1:95:A:VAL:HG12	7	0.45
(1,1200)	1:61:A:VAL:HG23	1:95:A:VAL:HG13	7	0.45
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB1	14	0.45
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB2	14	0.45
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB3	14	0.45
(1,1055)	1:26:A:LEU:HD11	1:29:A:LYS:H	20	0.45
(1,1055)	1:26:A:LEU:HD12	1:29:A:LYS:H	20	0.45
(1,1055)	1:26:A:LEU:HD13	1:29:A:LYS:H	20	0.45
(1,1024)	1:29:A:LYS:HG3	1:49:A:VAL:HG11	18	0.45
(1,1024)	1:29:A:LYS:HG3	1:49:A:VAL:HG12	18	0.45
(1,1024)	1:29:A:LYS:HG3	1:49:A:VAL:HG13	18	0.45
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD21	16	0.45
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD22	16	0.45
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD23	16	0.45
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD21	11	0.45
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD22	11	0.45
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD23	11	0.45
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD21	11	0.45
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD22	11	0.45
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD23	11	0.45
(1,931)	1:105:A:LEU:HD11	1:106:A:GLU:H	18	0.45
(1,931)	1:105:A:LEU:HD12	1:106:A:GLU:H	18	0.45
(1,931)	1:105:A:LEU:HD13	1:106:A:GLU:H	18	0.45
(1,825)	1:7:A:PHE:HB3	1:111:A:ILE:HG12	20	0.45
(1,726)	1:2:A:ARG:H	1:2:A:ARG:HG2	9	0.45
(1,716)	1:39:A:TRP:HB3	1:42:A:GLU:HB2	19	0.45
(1,703)	1:81:A:LYS:HD2	1:85:A:SER:HB2	14	0.45
(1,690)	1:63:A:ILE:HG12	1:64:A:GLY:H	6	0.45
(1,690)	1:63:A:ILE:HG12	1:64:A:GLY:H	13	0.45
(1,563)	1:109:A:LYS:HB3	1:109:A:LYS:HE3	20	0.45
(1,464)	1:57:A:PRO:HA	1:58:A:ARG:HB3	15	0.45
(1,358)	1:54:A:MET:HB3	1:57:A:PRO:HB3	11	0.45
(1,346)	1:33:A:GLU:HB3	1:33:A:GLU:HG3	10	0.45
(1,346)	1:33:A:GLU:HB3	1:33:A:GLU:HG3	19	0.45
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG11	3	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG12	3	0.45
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG13	3	0.45
(1,173)	1:65:A:ASP:HB2	1:97:A:VAL:HG21	9	0.45
(1,173)	1:65:A:ASP:HB2	1:97:A:VAL:HG22	9	0.45
(1,173)	1:65:A:ASP:HB2	1:97:A:VAL:HG23	9	0.45
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG11	2	0.44
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG12	2	0.44
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG13	2	0.44
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG11	2	0.44
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG12	2	0.44
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG13	2	0.44
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG11	8	0.44
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG12	8	0.44
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG13	8	0.44
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG11	8	0.44
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG12	8	0.44
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG13	8	0.44
(1,2843)	1:26:A:LEU:HD11	1:32:A:PHE:HE1	13	0.44
(1,2843)	1:26:A:LEU:HD11	1:32:A:PHE:HE2	13	0.44
(1,2843)	1:26:A:LEU:HD12	1:32:A:PHE:HE1	13	0.44
(1,2843)	1:26:A:LEU:HD12	1:32:A:PHE:HE2	13	0.44
(1,2843)	1:26:A:LEU:HD13	1:32:A:PHE:HE1	13	0.44
(1,2843)	1:26:A:LEU:HD13	1:32:A:PHE:HE2	13	0.44
(1,2773)	1:79:A:PHE:HD1	1:109:A:LYS:HD3	19	0.44
(1,2773)	1:79:A:PHE:HD2	1:109:A:LYS:HD3	19	0.44
(1,2631)	1:105:A:LEU:HB2	1:106:A:GLU:H	11	0.44
(1,2500)	1:123:A:SER:H	1:123:A:SER:HB2	3	0.44
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG11	1	0.44
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG12	1	0.44
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG13	1	0.44
(1,2337)	1:103:A:GLU:H	1:103:A:GLU:HG2	1	0.44
(1,2298)	1:61:A:VAL:HG11	1:65:A:ASP:H	10	0.44
(1,2298)	1:61:A:VAL:HG12	1:65:A:ASP:H	10	0.44
(1,2298)	1:61:A:VAL:HG13	1:65:A:ASP:H	10	0.44
(1,2213)	1:16:A:LEU:H	1:16:A:LEU:HB3	9	0.44
(1,2146)	1:54:A:MET:H	1:54:A:MET:HB2	12	0.44
(1,1759)	1:2:A:ARG:HA	1:15:A:ASP:HB3	9	0.44
(1,1759)	1:2:A:ARG:HA	1:15:A:ASP:HB3	14	0.44
(1,1738)	1:7:A:PHE:HE2	1:43:A:ILE:HD12	8	0.44
(1,1738)	1:7:A:PHE:HE2	1:43:A:ILE:HD11	14	0.44
(1,1713)	1:61:A:VAL:HG11	1:78:A:PHE:HB2	17	0.44
(1,1713)	1:61:A:VAL:HG12	1:78:A:PHE:HB2	17	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1713)	1:61:A:VAL:HG13	1:78:A:PHE:HB2	17	0.44
(1,1636)	1:85:A:SER:HA	1:90:A:GLN:HG2	14	0.44
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG11	9	0.44
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG12	9	0.44
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG13	9	0.44
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG21	5	0.44
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG22	5	0.44
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG23	5	0.44
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG21	5	0.44
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG22	5	0.44
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG23	5	0.44
(1,1079)	1:16:A:LEU:HA	1:16:A:LEU:HD21	5	0.44
(1,1079)	1:16:A:LEU:HA	1:16:A:LEU:HD22	5	0.44
(1,1079)	1:16:A:LEU:HA	1:16:A:LEU:HD23	5	0.44
(1,1079)	1:16:A:LEU:HA	1:16:A:LEU:HD21	17	0.44
(1,1079)	1:16:A:LEU:HA	1:16:A:LEU:HD22	17	0.44
(1,1079)	1:16:A:LEU:HA	1:16:A:LEU:HD23	17	0.44
(1,1010)	1:6:A:LEU:HD11	1:117:A:VAL:HG21	5	0.44
(1,1010)	1:6:A:LEU:HD11	1:117:A:VAL:HG22	5	0.44
(1,1010)	1:6:A:LEU:HD11	1:117:A:VAL:HG23	5	0.44
(1,1010)	1:6:A:LEU:HD12	1:117:A:VAL:HG21	5	0.44
(1,1010)	1:6:A:LEU:HD12	1:117:A:VAL:HG22	5	0.44
(1,1010)	1:6:A:LEU:HD12	1:117:A:VAL:HG23	5	0.44
(1,1010)	1:6:A:LEU:HD13	1:117:A:VAL:HG21	5	0.44
(1,1010)	1:6:A:LEU:HD13	1:117:A:VAL:HG22	5	0.44
(1,1010)	1:6:A:LEU:HD13	1:117:A:VAL:HG23	5	0.44
(1,1010)	1:6:A:LEU:HD21	1:117:A:VAL:HG21	5	0.44
(1,1010)	1:6:A:LEU:HD21	1:117:A:VAL:HG22	5	0.44
(1,1010)	1:6:A:LEU:HD21	1:117:A:VAL:HG23	5	0.44
(1,1010)	1:6:A:LEU:HD22	1:117:A:VAL:HG21	5	0.44
(1,1010)	1:6:A:LEU:HD22	1:117:A:VAL:HG22	5	0.44
(1,1010)	1:6:A:LEU:HD22	1:117:A:VAL:HG23	5	0.44
(1,1010)	1:6:A:LEU:HD23	1:117:A:VAL:HG21	5	0.44
(1,1010)	1:6:A:LEU:HD23	1:117:A:VAL:HG22	5	0.44
(1,1010)	1:6:A:LEU:HD23	1:117:A:VAL:HG23	5	0.44
(1,870)	1:14:A:ILE:HG12	1:15:A:ASP:HA	15	0.44
(1,867)	1:57:A:PRO:HA	1:58:A:ARG:HG3	16	0.44
(1,811)	1:6:A:LEU:HG	1:7:A:PHE:HD1	14	0.44
(1,797)	1:106:A:GLU:H	1:108:A:LEU:HD11	13	0.44
(1,797)	1:106:A:GLU:H	1:108:A:LEU:HD12	13	0.44
(1,797)	1:106:A:GLU:H	1:108:A:LEU:HD13	13	0.44
(1,716)	1:39:A:TRP:HB3	1:42:A:GLU:HB2	1	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,690)	1:63:A:ILE:HG12	1:64:A:GLY:H	1	0.44
(1,690)	1:63:A:ILE:HG12	1:64:A:GLY:H	5	0.44
(1,653)	1:30:A:ILE:HG13	1:32:A:PHE:H	17	0.44
(1,571)	1:85:A:SER:HB3	1:90:A:GLN:HB3	15	0.44
(1,563)	1:109:A:LYS:HB3	1:109:A:LYS:HE3	15	0.44
(1,469)	1:60:A:VAL:HG11	1:88:A:LYS:HB3	14	0.44
(1,469)	1:60:A:VAL:HG12	1:88:A:LYS:HB3	14	0.44
(1,469)	1:60:A:VAL:HG13	1:88:A:LYS:HB3	14	0.44
(1,469)	1:60:A:VAL:HG11	1:88:A:LYS:HB2	14	0.44
(1,469)	1:60:A:VAL:HG12	1:88:A:LYS:HB2	14	0.44
(1,469)	1:60:A:VAL:HG13	1:88:A:LYS:HB2	14	0.44
(1,344)	1:41:A:GLU:HG2	1:79:A:PHE:HD1	3	0.44
(1,344)	1:41:A:GLU:HG2	1:79:A:PHE:HD2	3	0.44
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG11	16	0.44
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG12	16	0.44
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG13	16	0.44
(1,273)	1:20:A:TYR:HB3	1:23:A:VAL:HB	18	0.44
(1,261)	1:3:A:VAL:HA	1:121:A:PHE:HB2	14	0.44
(1,251)	1:17:A:ASN:HA	1:18:A:GLU:HG2	14	0.44
(1,230)	1:50:A:ASN:HB3	1:73:A:LYS:HG2	4	0.44
(1,230)	1:50:A:ASN:HB3	1:73:A:LYS:HG3	4	0.44
(1,2847)	1:78:A:PHE:HE1	1:95:A:VAL:HG21	19	0.43
(1,2847)	1:78:A:PHE:HE1	1:95:A:VAL:HG22	19	0.43
(1,2847)	1:78:A:PHE:HE1	1:95:A:VAL:HG23	19	0.43
(1,2847)	1:78:A:PHE:HE2	1:95:A:VAL:HG21	19	0.43
(1,2847)	1:78:A:PHE:HE2	1:95:A:VAL:HG22	19	0.43
(1,2847)	1:78:A:PHE:HE2	1:95:A:VAL:HG23	19	0.43
(1,2780)	1:61:A:VAL:HG11	1:78:A:PHE:HD1	4	0.43
(1,2780)	1:61:A:VAL:HG11	1:78:A:PHE:HD2	4	0.43
(1,2780)	1:61:A:VAL:HG12	1:78:A:PHE:HD1	4	0.43
(1,2780)	1:61:A:VAL:HG12	1:78:A:PHE:HD2	4	0.43
(1,2780)	1:61:A:VAL:HG13	1:78:A:PHE:HD1	4	0.43
(1,2780)	1:61:A:VAL:HG13	1:78:A:PHE:HD2	4	0.43
(1,2719)	1:60:A:VAL:HG21	1:90:A:GLN:HE22	17	0.43
(1,2719)	1:60:A:VAL:HG22	1:90:A:GLN:HE22	17	0.43
(1,2719)	1:60:A:VAL:HG23	1:90:A:GLN:HE22	17	0.43
(1,2631)	1:105:A:LEU:HB2	1:106:A:GLU:H	9	0.43
(1,2539)	1:111:A:ILE:H	1:111:A:ILE:HG13	19	0.43
(1,2522)	1:24:A:LYS:HB3	1:25:A:LEU:H	1	0.43
(1,2522)	1:24:A:LYS:HB3	1:25:A:LEU:H	15	0.43
(1,2345)	1:62:A:GLU:HB2	1:63:A:ILE:H	4	0.43
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG11	4	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG12	4	0.43
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG13	4	0.43
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG11	9	0.43
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG12	9	0.43
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG13	9	0.43
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG11	11	0.43
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG12	11	0.43
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG13	11	0.43
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG11	16	0.43
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG12	16	0.43
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG13	16	0.43
(1,2041)	1:54:A:MET:HB3	1:57:A:PRO:HD2	1	0.43
(1,2041)	1:54:A:MET:HB3	1:57:A:PRO:HD3	1	0.43
(1,1991)	1:69:A:TRP:H	1:70:A:PRO:HD2	13	0.43
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD11	15	0.43
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD12	15	0.43
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD13	15	0.43
(1,1493)	1:67:A:GLY:HA2	1:95:A:VAL:HG21	12	0.43
(1,1493)	1:67:A:GLY:HA2	1:95:A:VAL:HG22	12	0.43
(1,1493)	1:67:A:GLY:HA2	1:95:A:VAL:HG23	12	0.43
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG11	20	0.43
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG12	20	0.43
(1,1400)	1:22:A:VAL:HG11	1:49:A:VAL:HG13	20	0.43
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG11	20	0.43
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG12	20	0.43
(1,1400)	1:22:A:VAL:HG12	1:49:A:VAL:HG13	20	0.43
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG11	20	0.43
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG12	20	0.43
(1,1400)	1:22:A:VAL:HG13	1:49:A:VAL:HG13	20	0.43
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG11	2	0.43
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG12	2	0.43
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG13	2	0.43
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG11	4	0.43
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG12	4	0.43
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG13	4	0.43
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG11	17	0.43
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG12	17	0.43
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG13	17	0.43
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG21	1	0.43
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG22	1	0.43
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG23	1	0.43
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG21	1	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG22	1	0.43
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG23	1	0.43
(1,1292)	1:13:A:VAL:HG11	1:103:A:GLU:HG2	12	0.43
(1,1292)	1:13:A:VAL:HG12	1:103:A:GLU:HG2	12	0.43
(1,1292)	1:13:A:VAL:HG13	1:103:A:GLU:HG2	12	0.43
(1,1288)	1:5:A:LEU:H	1:13:A:VAL:HG11	12	0.43
(1,1288)	1:5:A:LEU:H	1:13:A:VAL:HG12	12	0.43
(1,1288)	1:5:A:LEU:H	1:13:A:VAL:HG13	12	0.43
(1,1224)	1:22:A:VAL:HA	1:51:A:VAL:HG21	13	0.43
(1,1224)	1:22:A:VAL:HA	1:51:A:VAL:HG22	13	0.43
(1,1224)	1:22:A:VAL:HA	1:51:A:VAL:HG23	13	0.43
(1,963)	1:79:A:PHE:HA	1:105:A:LEU:HD21	16	0.43
(1,963)	1:79:A:PHE:HA	1:105:A:LEU:HD22	16	0.43
(1,963)	1:79:A:PHE:HA	1:105:A:LEU:HD23	16	0.43
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD21	9	0.43
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD22	9	0.43
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD23	9	0.43
(1,782)	1:47:A:THR:HB	1:48:A:PRO:HG3	5	0.43
(1,761)	1:5:A:LEU:HD21	1:14:A:ILE:HG13	16	0.43
(1,761)	1:5:A:LEU:HD22	1:14:A:ILE:HG13	16	0.43
(1,761)	1:5:A:LEU:HD23	1:14:A:ILE:HG13	16	0.43
(1,691)	1:62:A:GLU:HA	1:63:A:ILE:HG12	15	0.43
(1,690)	1:63:A:ILE:HG12	1:64:A:GLY:H	3	0.43
(1,690)	1:63:A:ILE:HG12	1:64:A:GLY:H	7	0.43
(1,690)	1:63:A:ILE:HG12	1:64:A:GLY:H	10	0.43
(1,653)	1:30:A:ILE:HG13	1:32:A:PHE:H	12	0.43
(1,598)	1:12:A:CYS:HB2	1:101:A:ILE:HG21	10	0.43
(1,598)	1:12:A:CYS:HB2	1:101:A:ILE:HG22	10	0.43
(1,598)	1:12:A:CYS:HB2	1:101:A:ILE:HG23	10	0.43
(1,589)	1:18:A:GLU:HG3	1:23:A:VAL:HB	2	0.43
(1,458)	1:102:A:VAL:HG21	1:103:A:GLU:HB2	11	0.43
(1,458)	1:102:A:VAL:HG22	1:103:A:GLU:HB2	11	0.43
(1,458)	1:102:A:VAL:HG23	1:103:A:GLU:HB2	11	0.43
(1,386)	1:61:A:VAL:HG11	1:62:A:GLU:HG2	12	0.43
(1,386)	1:61:A:VAL:HG12	1:62:A:GLU:HG2	12	0.43
(1,386)	1:61:A:VAL:HG13	1:62:A:GLU:HG2	12	0.43
(1,360)	1:105:A:LEU:HD11	1:106:A:GLU:HG2	14	0.43
(1,360)	1:105:A:LEU:HD11	1:106:A:GLU:HG3	14	0.43
(1,360)	1:105:A:LEU:HD12	1:106:A:GLU:HG2	14	0.43
(1,360)	1:105:A:LEU:HD12	1:106:A:GLU:HG3	14	0.43
(1,360)	1:105:A:LEU:HD13	1:106:A:GLU:HG2	14	0.43
(1,360)	1:105:A:LEU:HD13	1:106:A:GLU:HG3	14	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG11	11	0.43
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG12	11	0.43
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG13	11	0.43
(1,306)	1:15:A:ASP:HB3	1:100:A:LYS:HB3	6	0.43
(1,287)	1:7:A:PHE:HB2	1:8:A:GLU:HG3	8	0.43
(1,261)	1:3:A:VAL:HA	1:121:A:PHE:HB2	3	0.43
(1,261)	1:3:A:VAL:HA	1:121:A:PHE:HB2	15	0.43
(1,247)	1:56:A:ASN:HB2	1:96:A:ASN:HA	1	0.43
(1,173)	1:65:A:ASP:HB2	1:97:A:VAL:HG21	5	0.43
(1,173)	1:65:A:ASP:HB2	1:97:A:VAL:HG22	5	0.43
(1,173)	1:65:A:ASP:HB2	1:97:A:VAL:HG23	5	0.43
(1,173)	1:65:A:ASP:HB2	1:97:A:VAL:HG21	7	0.43
(1,173)	1:65:A:ASP:HB2	1:97:A:VAL:HG22	7	0.43
(1,173)	1:65:A:ASP:HB2	1:97:A:VAL:HG23	7	0.43
(1,173)	1:65:A:ASP:HB2	1:97:A:VAL:HG21	12	0.43
(1,173)	1:65:A:ASP:HB2	1:97:A:VAL:HG22	12	0.43
(1,173)	1:65:A:ASP:HB2	1:97:A:VAL:HG23	12	0.43
(1,53)	1:72:A:GLY:HA2	1:74:A:ALA:H	13	0.43
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA2	18	0.43
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA3	18	0.43
(1,2744)	1:7:A:PHE:HB3	1:10:A:GLY:H	4	0.42
(1,2718)	1:59:A:GLU:HB2	1:90:A:GLN:HE22	20	0.42
(1,2458)	1:88:A:LYS:H	1:88:A:LYS:HB2	1	0.42
(1,2403)	1:59:A:GLU:H	1:59:A:GLU:HB3	16	0.42
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG11	5	0.42
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG12	5	0.42
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG13	5	0.42
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG11	8	0.42
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG12	8	0.42
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG13	8	0.42
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG11	19	0.42
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG12	19	0.42
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG13	19	0.42
(1,2337)	1:103:A:GLU:H	1:103:A:GLU:HG2	11	0.42
(1,2286)	1:22:A:VAL:HG11	1:26:A:LEU:H	13	0.42
(1,2286)	1:22:A:VAL:HG12	1:26:A:LEU:H	13	0.42
(1,2286)	1:22:A:VAL:HG13	1:26:A:LEU:H	13	0.42
(1,2146)	1:54:A:MET:H	1:54:A:MET:HB2	11	0.42
(1,2115)	1:2:A:ARG:HG3	1:3:A:VAL:H	19	0.42
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG11	15	0.42
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG12	15	0.42
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG13	15	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1991)	1:69:A:TRP:H	1:70:A:PRO:HD2	1	0.42
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG21	14	0.42
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG22	14	0.42
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG23	14	0.42
(1,1380)	1:58:A:ARG:HG2	1:97:A:VAL:HG11	20	0.42
(1,1380)	1:58:A:ARG:HG2	1:97:A:VAL:HG12	20	0.42
(1,1380)	1:58:A:ARG:HG2	1:97:A:VAL:HG13	20	0.42
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG11	1	0.42
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG12	1	0.42
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG13	1	0.42
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG11	7	0.42
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG12	7	0.42
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG13	7	0.42
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG11	18	0.42
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG12	18	0.42
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG13	18	0.42
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG11	19	0.42
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG12	19	0.42
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG13	19	0.42
(1,1297)	1:22:A:VAL:HG21	1:23:A:VAL:H	14	0.42
(1,1297)	1:22:A:VAL:HG22	1:23:A:VAL:H	14	0.42
(1,1297)	1:22:A:VAL:HG23	1:23:A:VAL:H	14	0.42
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG21	2	0.42
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG22	2	0.42
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG23	2	0.42
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG21	2	0.42
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG22	2	0.42
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG23	2	0.42
(1,1188)	1:69:A:TRP:HE1	1:95:A:VAL:HG11	12	0.42
(1,1188)	1:69:A:TRP:HE1	1:95:A:VAL:HG12	12	0.42
(1,1188)	1:69:A:TRP:HE1	1:95:A:VAL:HG13	12	0.42
(1,1079)	1:16:A:LEU:HA	1:16:A:LEU:HD21	8	0.42
(1,1079)	1:16:A:LEU:HA	1:16:A:LEU:HD22	8	0.42
(1,1079)	1:16:A:LEU:HA	1:16:A:LEU:HD23	8	0.42
(1,1077)	1:16:A:LEU:HD21	1:100:A:LYS:H	4	0.42
(1,1077)	1:16:A:LEU:HD22	1:100:A:LYS:H	4	0.42
(1,1077)	1:16:A:LEU:HD23	1:100:A:LYS:H	4	0.42
(1,984)	1:67:A:GLY:H	1:75:A:LEU:HD21	6	0.42
(1,984)	1:67:A:GLY:H	1:75:A:LEU:HD22	6	0.42
(1,984)	1:67:A:GLY:H	1:75:A:LEU:HD23	6	0.42
(1,966)	1:64:A:GLY:HA2	1:105:A:LEU:HD21	1	0.42
(1,966)	1:64:A:GLY:HA2	1:105:A:LEU:HD22	1	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,966)	1:64:A:GLY:HA2	1:105:A:LEU:HD23	1	0.42
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD21	18	0.42
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD22	18	0.42
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD23	18	0.42
(1,963)	1:79:A:PHE:HA	1:105:A:LEU:HD21	14	0.42
(1,963)	1:79:A:PHE:HA	1:105:A:LEU:HD22	14	0.42
(1,963)	1:79:A:PHE:HA	1:105:A:LEU:HD23	14	0.42
(1,941)	1:77:A:LEU:HA	1:77:A:LEU:HD21	16	0.42
(1,941)	1:77:A:LEU:HA	1:77:A:LEU:HD22	16	0.42
(1,941)	1:77:A:LEU:HA	1:77:A:LEU:HD23	16	0.42
(1,931)	1:105:A:LEU:HD11	1:106:A:GLU:H	1	0.42
(1,931)	1:105:A:LEU:HD12	1:106:A:GLU:H	1	0.42
(1,931)	1:105:A:LEU:HD13	1:106:A:GLU:H	1	0.42
(1,782)	1:47:A:THR:HB	1:48:A:PRO:HG3	6	0.42
(1,714)	1:21:A:GLU:HB2	1:25:A:LEU:HD11	8	0.42
(1,714)	1:21:A:GLU:HB2	1:25:A:LEU:HD12	8	0.42
(1,714)	1:21:A:GLU:HB2	1:25:A:LEU:HD13	8	0.42
(1,714)	1:21:A:GLU:HB3	1:25:A:LEU:HD11	8	0.42
(1,714)	1:21:A:GLU:HB3	1:25:A:LEU:HD12	8	0.42
(1,714)	1:21:A:GLU:HB3	1:25:A:LEU:HD13	8	0.42
(1,691)	1:62:A:GLU:HA	1:63:A:ILE:HG12	9	0.42
(1,653)	1:30:A:ILE:HG13	1:32:A:PHE:H	13	0.42
(1,618)	1:7:A:PHE:HD1	1:115:A:GLU:HB3	20	0.42
(1,589)	1:18:A:GLU:HG3	1:23:A:VAL:HB	8	0.42
(1,465)	1:58:A:ARG:HB3	1:95:A:VAL:HG21	15	0.42
(1,465)	1:58:A:ARG:HB3	1:95:A:VAL:HG22	15	0.42
(1,465)	1:58:A:ARG:HB3	1:95:A:VAL:HG23	15	0.42
(1,465)	1:58:A:ARG:HB3	1:95:A:VAL:HG21	16	0.42
(1,465)	1:58:A:ARG:HB3	1:95:A:VAL:HG22	16	0.42
(1,465)	1:58:A:ARG:HB3	1:95:A:VAL:HG23	16	0.42
(1,287)	1:7:A:PHE:HB2	1:8:A:GLU:HG3	16	0.42
(1,38)	1:10:A:GLY:HA2	1:11:A:LYS:HG3	17	0.42
(1,38)	1:10:A:GLY:HA3	1:11:A:LYS:HG3	17	0.42
(1,18)	1:16:A:LEU:HD21	1:99:A:GLY:HA2	5	0.42
(1,18)	1:16:A:LEU:HD22	1:99:A:GLY:HA2	5	0.42
(1,18)	1:16:A:LEU:HD23	1:99:A:GLY:HA2	5	0.42
(1,2887)	1:69:A:TRP:HZ3	1:72:A:GLY:HA2	9	0.41
(1,2843)	1:26:A:LEU:HD11	1:32:A:PHE:HE1	7	0.41
(1,2843)	1:26:A:LEU:HD11	1:32:A:PHE:HE2	7	0.41
(1,2843)	1:26:A:LEU:HD12	1:32:A:PHE:HE1	7	0.41
(1,2843)	1:26:A:LEU:HD12	1:32:A:PHE:HE2	7	0.41
(1,2843)	1:26:A:LEU:HD13	1:32:A:PHE:HE1	7	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2843)	1:26:A:LEU:HD13	1:32:A:PHE:HE2	7	0.41
(1,2819)	1:77:A:LEU:HB3	1:79:A:PHE:HE1	2	0.41
(1,2819)	1:77:A:LEU:HB3	1:79:A:PHE:HE2	2	0.41
(1,2780)	1:61:A:VAL:HG11	1:78:A:PHE:HD1	14	0.41
(1,2780)	1:61:A:VAL:HG11	1:78:A:PHE:HD2	14	0.41
(1,2780)	1:61:A:VAL:HG12	1:78:A:PHE:HD1	14	0.41
(1,2780)	1:61:A:VAL:HG12	1:78:A:PHE:HD2	14	0.41
(1,2780)	1:61:A:VAL:HG13	1:78:A:PHE:HD1	14	0.41
(1,2780)	1:61:A:VAL:HG13	1:78:A:PHE:HD2	14	0.41
(1,2780)	1:61:A:VAL:HG11	1:78:A:PHE:HD1	17	0.41
(1,2780)	1:61:A:VAL:HG11	1:78:A:PHE:HD2	17	0.41
(1,2780)	1:61:A:VAL:HG12	1:78:A:PHE:HD1	17	0.41
(1,2780)	1:61:A:VAL:HG12	1:78:A:PHE:HD2	17	0.41
(1,2780)	1:61:A:VAL:HG13	1:78:A:PHE:HD1	17	0.41
(1,2780)	1:61:A:VAL:HG13	1:78:A:PHE:HD2	17	0.41
(1,2744)	1:7:A:PHE:HB3	1:10:A:GLY:H	6	0.41
(1,2744)	1:7:A:PHE:HB3	1:10:A:GLY:H	14	0.41
(1,2722)	1:61:A:VAL:HG21	1:95:A:VAL:H	16	0.41
(1,2722)	1:61:A:VAL:HG22	1:95:A:VAL:H	16	0.41
(1,2722)	1:61:A:VAL:HG23	1:95:A:VAL:H	16	0.41
(1,2719)	1:60:A:VAL:HG21	1:90:A:GLN:HE22	15	0.41
(1,2719)	1:60:A:VAL:HG22	1:90:A:GLN:HE22	15	0.41
(1,2719)	1:60:A:VAL:HG23	1:90:A:GLN:HE22	15	0.41
(1,2718)	1:59:A:GLU:HB2	1:90:A:GLN:HE22	14	0.41
(1,2631)	1:105:A:LEU:HB2	1:106:A:GLU:H	13	0.41
(1,2468)	1:62:A:GLU:H	1:65:A:ASP:HB3	13	0.41
(1,2379)	1:68:A:TYR:H	1:96:A:ASN:HB3	1	0.41
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG11	2	0.41
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG12	2	0.41
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG13	2	0.41
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG11	12	0.41
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG12	12	0.41
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG13	12	0.41
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG21	16	0.41
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG22	16	0.41
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG23	16	0.41
(1,2148)	1:18:A:GLU:H	1:18:A:GLU:HB3	10	0.41
(1,2146)	1:54:A:MET:H	1:54:A:MET:HB2	4	0.41
(1,2146)	1:54:A:MET:H	1:54:A:MET:HB2	5	0.41
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG11	5	0.41
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG12	5	0.41
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG13	5	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2047)	1:26:A:LEU:HD11	1:48:A:PRO:HD2	13	0.41
(1,2047)	1:26:A:LEU:HD12	1:48:A:PRO:HD2	13	0.41
(1,2047)	1:26:A:LEU:HD13	1:48:A:PRO:HD2	13	0.41
(1,2041)	1:54:A:MET:HB3	1:57:A:PRO:HD2	9	0.41
(1,2041)	1:54:A:MET:HB3	1:57:A:PRO:HD3	9	0.41
(1,2016)	1:54:A:MET:HB3	1:96:A:ASN:HA	15	0.41
(1,1966)	1:2:A:ARG:HG3	1:15:A:ASP:HA	14	0.41
(1,1711)	1:61:A:VAL:HG11	1:78:A:PHE:HB3	14	0.41
(1,1711)	1:61:A:VAL:HG12	1:78:A:PHE:HB3	14	0.41
(1,1711)	1:61:A:VAL:HG13	1:78:A:PHE:HB3	14	0.41
(1,1711)	1:61:A:VAL:HG11	1:78:A:PHE:HB3	20	0.41
(1,1711)	1:61:A:VAL:HG12	1:78:A:PHE:HB3	20	0.41
(1,1711)	1:61:A:VAL:HG13	1:78:A:PHE:HB3	20	0.41
(1,1651)	1:33:A:GLU:HA	1:117:A:VAL:HG11	2	0.41
(1,1651)	1:33:A:GLU:HA	1:117:A:VAL:HG12	2	0.41
(1,1651)	1:33:A:GLU:HA	1:117:A:VAL:HG13	2	0.41
(1,1395)	1:26:A:LEU:HA	1:49:A:VAL:HG11	14	0.41
(1,1395)	1:26:A:LEU:HA	1:49:A:VAL:HG12	14	0.41
(1,1395)	1:26:A:LEU:HA	1:49:A:VAL:HG13	14	0.41
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG11	5	0.41
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG12	5	0.41
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG13	5	0.41
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG11	6	0.41
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG12	6	0.41
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG13	6	0.41
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG11	8	0.41
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG12	8	0.41
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG13	8	0.41
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG11	11	0.41
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG12	11	0.41
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG13	11	0.41
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG11	12	0.41
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG12	12	0.41
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG13	12	0.41
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG11	14	0.41
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG12	14	0.41
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG13	14	0.41
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG11	20	0.41
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG12	20	0.41
(1,1346)	1:119:A:VAL:H	1:119:A:VAL:HG13	20	0.41
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG21	1	0.41
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG22	1	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG23	1	0.41
(1,1268)	1:119:A:VAL:HG21	1:120:A:ARG:HG2	8	0.41
(1,1268)	1:119:A:VAL:HG22	1:120:A:ARG:HG2	8	0.41
(1,1268)	1:119:A:VAL:HG23	1:120:A:ARG:HG2	8	0.41
(1,1268)	1:119:A:VAL:HG21	1:120:A:ARG:HG2	13	0.41
(1,1268)	1:119:A:VAL:HG22	1:120:A:ARG:HG2	13	0.41
(1,1268)	1:119:A:VAL:HG23	1:120:A:ARG:HG2	13	0.41
(1,1237)	1:108:A:LEU:HA	1:108:A:LEU:HD21	6	0.41
(1,1237)	1:108:A:LEU:HA	1:108:A:LEU:HD22	6	0.41
(1,1237)	1:108:A:LEU:HA	1:108:A:LEU:HD23	6	0.41
(1,1223)	1:21:A:GLU:HA	1:51:A:VAL:HG21	17	0.41
(1,1223)	1:21:A:GLU:HA	1:51:A:VAL:HG22	17	0.41
(1,1223)	1:21:A:GLU:HA	1:51:A:VAL:HG23	17	0.41
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB1	9	0.41
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB2	9	0.41
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB3	9	0.41
(1,1023)	1:21:A:GLU:HB2	1:53:A:LYS:HG3	16	0.41
(1,1023)	1:21:A:GLU:HB3	1:53:A:LYS:HG3	16	0.41
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD21	4	0.41
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD22	4	0.41
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD23	4	0.41
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD21	4	0.41
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD22	4	0.41
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD23	4	0.41
(1,820)	1:110:A:LYS:H	1:111:A:ILE:HG13	2	0.41
(1,811)	1:6:A:LEU:HG	1:7:A:PHE:HD2	3	0.41
(1,793)	1:77:A:LEU:HB2	1:108:A:LEU:HD11	5	0.41
(1,793)	1:77:A:LEU:HB2	1:108:A:LEU:HD12	5	0.41
(1,793)	1:77:A:LEU:HB2	1:108:A:LEU:HD13	5	0.41
(1,793)	1:77:A:LEU:HB3	1:108:A:LEU:HD11	5	0.41
(1,793)	1:77:A:LEU:HB3	1:108:A:LEU:HD12	5	0.41
(1,793)	1:77:A:LEU:HB3	1:108:A:LEU:HD13	5	0.41
(1,464)	1:57:A:PRO:HA	1:58:A:ARG:HB3	5	0.41
(1,386)	1:61:A:VAL:HG11	1:62:A:GLU:HG2	18	0.41
(1,386)	1:61:A:VAL:HG12	1:62:A:GLU:HG2	18	0.41
(1,386)	1:61:A:VAL:HG13	1:62:A:GLU:HG2	18	0.41
(1,239)	1:18:A:GLU:HG3	1:24:A:LYS:HG2	16	0.41
(1,173)	1:65:A:ASP:HB2	1:97:A:VAL:HG21	17	0.41
(1,173)	1:65:A:ASP:HB2	1:97:A:VAL:HG22	17	0.41
(1,173)	1:65:A:ASP:HB2	1:97:A:VAL:HG23	17	0.41
(1,53)	1:72:A:GLY:HA2	1:74:A:ALA:H	20	0.41
(1,2910)	1:39:A:TRP:HZ2	1:84:A:MET:HB3	7	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2877)	1:69:A:TRP:HD1	1:70:A:PRO:HD3	7	0.4
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG11	15	0.4
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG12	15	0.4
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG13	15	0.4
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG11	16	0.4
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG12	16	0.4
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG13	16	0.4
(1,2769)	1:79:A:PHE:HD1	1:109:A:LYS:HE3	18	0.4
(1,2769)	1:79:A:PHE:HD2	1:109:A:LYS:HE3	18	0.4
(1,2631)	1:105:A:LEU:HB2	1:106:A:GLU:H	20	0.4
(1,2522)	1:24:A:LYS:HB3	1:25:A:LEU:H	5	0.4
(1,2522)	1:24:A:LYS:HB3	1:25:A:LEU:H	7	0.4
(1,2458)	1:88:A:LYS:H	1:88:A:LYS:HB2	15	0.4
(1,2458)	1:88:A:LYS:H	1:88:A:LYS:HB2	18	0.4
(1,2403)	1:59:A:GLU:H	1:59:A:GLU:HB3	18	0.4
(1,2358)	1:31:A:PRO:HB2	1:121:A:PHE:H	2	0.4
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG11	14	0.4
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG12	14	0.4
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG13	14	0.4
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG11	20	0.4
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG12	20	0.4
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG13	20	0.4
(1,2213)	1:16:A:LEU:H	1:16:A:LEU:HB3	7	0.4
(1,2213)	1:16:A:LEU:H	1:16:A:LEU:HB3	14	0.4
(1,1981)	1:37:A:ASN:HA	1:113:A:ASP:HB2	19	0.4
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG21	17	0.4
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG22	17	0.4
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG23	17	0.4
(1,1395)	1:26:A:LEU:HA	1:49:A:VAL:HG11	6	0.4
(1,1395)	1:26:A:LEU:HA	1:49:A:VAL:HG12	6	0.4
(1,1395)	1:26:A:LEU:HA	1:49:A:VAL:HG13	6	0.4
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG11	19	0.4
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG12	19	0.4
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG13	19	0.4
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG11	19	0.4
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG12	19	0.4
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG13	19	0.4
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG11	19	0.4
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG12	19	0.4
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG13	19	0.4
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG11	19	0.4
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG12	19	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG13	19	0.4
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG11	19	0.4
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG12	19	0.4
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG13	19	0.4
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG11	19	0.4
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG12	19	0.4
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG13	19	0.4
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG21	17	0.4
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG22	17	0.4
(1,1307)	1:22:A:VAL:HG21	1:98:A:ILE:HG23	17	0.4
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG21	17	0.4
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG22	17	0.4
(1,1307)	1:22:A:VAL:HG22	1:98:A:ILE:HG23	17	0.4
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG21	17	0.4
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG22	17	0.4
(1,1307)	1:22:A:VAL:HG23	1:98:A:ILE:HG23	17	0.4
(1,1297)	1:22:A:VAL:HG21	1:23:A:VAL:H	17	0.4
(1,1297)	1:22:A:VAL:HG22	1:23:A:VAL:H	17	0.4
(1,1297)	1:22:A:VAL:HG23	1:23:A:VAL:H	17	0.4
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG21	15	0.4
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG22	15	0.4
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG23	15	0.4
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG21	20	0.4
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG22	20	0.4
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG23	20	0.4
(1,1293)	1:13:A:VAL:HG11	1:103:A:GLU:HB3	17	0.4
(1,1293)	1:13:A:VAL:HG12	1:103:A:GLU:HB3	17	0.4
(1,1293)	1:13:A:VAL:HG13	1:103:A:GLU:HB3	17	0.4
(1,1292)	1:13:A:VAL:HG11	1:103:A:GLU:HG2	10	0.4
(1,1292)	1:13:A:VAL:HG12	1:103:A:GLU:HG2	10	0.4
(1,1292)	1:13:A:VAL:HG13	1:103:A:GLU:HG2	10	0.4
(1,1201)	1:101:A:ILE:H	1:102:A:VAL:HG11	16	0.4
(1,1201)	1:101:A:ILE:H	1:102:A:VAL:HG12	16	0.4
(1,1201)	1:101:A:ILE:H	1:102:A:VAL:HG13	16	0.4
(1,1055)	1:26:A:LEU:HD11	1:29:A:LYS:H	2	0.4
(1,1055)	1:26:A:LEU:HD12	1:29:A:LYS:H	2	0.4
(1,1055)	1:26:A:LEU:HD13	1:29:A:LYS:H	2	0.4
(1,1055)	1:26:A:LEU:HD11	1:29:A:LYS:H	19	0.4
(1,1055)	1:26:A:LEU:HD12	1:29:A:LYS:H	19	0.4
(1,1055)	1:26:A:LEU:HD13	1:29:A:LYS:H	19	0.4
(1,1024)	1:29:A:LYS:HG3	1:49:A:VAL:HG11	3	0.4
(1,1024)	1:29:A:LYS:HG3	1:49:A:VAL:HG12	3	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1024)	1:29:A:LYS:HG3	1:49:A:VAL:HG13	3	0.4
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD21	19	0.4
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD22	19	0.4
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD23	19	0.4
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD21	19	0.4
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD22	19	0.4
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD23	19	0.4
(1,854)	1:61:A:VAL:HG21	1:91:A:PRO:HG2	18	0.4
(1,854)	1:61:A:VAL:HG22	1:91:A:PRO:HG2	18	0.4
(1,854)	1:61:A:VAL:HG23	1:91:A:PRO:HG2	18	0.4
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG21	13	0.4
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG22	13	0.4
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG23	13	0.4
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG21	13	0.4
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG22	13	0.4
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG23	13	0.4
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG21	13	0.4
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG22	13	0.4
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG23	13	0.4
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG11	13	0.4
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG12	13	0.4
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG13	13	0.4
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG11	13	0.4
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG12	13	0.4
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG13	13	0.4
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG11	13	0.4
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG12	13	0.4
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG13	13	0.4
(1,782)	1:47:A:THR:HB	1:48:A:PRO:HG3	2	0.4
(1,704)	1:81:A:LYS:HD2	1:89:A:ILE:HD11	9	0.4
(1,704)	1:81:A:LYS:HD2	1:89:A:ILE:HD12	9	0.4
(1,704)	1:81:A:LYS:HD2	1:89:A:ILE:HD13	9	0.4
(1,691)	1:62:A:GLU:HA	1:63:A:ILE:HG12	6	0.4
(1,415)	1:12:A:CYS:HB2	1:13:A:VAL:HB	18	0.4
(1,261)	1:3:A:VAL:HA	1:121:A:PHE:HB2	6	0.4
(1,251)	1:17:A:ASN:HA	1:18:A:GLU:HG2	3	0.4
(1,247)	1:56:A:ASN:HB2	1:96:A:ASN:HA	17	0.4
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG21	1	0.4
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG22	1	0.4
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG23	1	0.4
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA2	14	0.4
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA3	14	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG11	11	0.39
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG12	11	0.39
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG13	11	0.39
(1,2843)	1:26:A:LEU:HD11	1:32:A:PHE:HE1	3	0.39
(1,2843)	1:26:A:LEU:HD11	1:32:A:PHE:HE2	3	0.39
(1,2843)	1:26:A:LEU:HD12	1:32:A:PHE:HE1	3	0.39
(1,2843)	1:26:A:LEU:HD12	1:32:A:PHE:HE2	3	0.39
(1,2843)	1:26:A:LEU:HD13	1:32:A:PHE:HE1	3	0.39
(1,2843)	1:26:A:LEU:HD13	1:32:A:PHE:HE2	3	0.39
(1,2781)	1:65:A:ASP:HB3	1:78:A:PHE:HD1	15	0.39
(1,2781)	1:65:A:ASP:HB3	1:78:A:PHE:HD2	15	0.39
(1,2619)	1:26:A:LEU:HD11	1:49:A:VAL:H	3	0.39
(1,2619)	1:26:A:LEU:HD12	1:49:A:VAL:H	3	0.39
(1,2619)	1:26:A:LEU:HD13	1:49:A:VAL:H	3	0.39
(1,2522)	1:24:A:LYS:HB3	1:25:A:LEU:H	6	0.39
(1,2458)	1:88:A:LYS:H	1:88:A:LYS:HB2	2	0.39
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG11	4	0.39
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG12	4	0.39
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG13	4	0.39
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG11	17	0.39
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG12	17	0.39
(1,2457)	1:33:A:GLU:H	1:119:A:VAL:HG13	17	0.39
(1,2403)	1:59:A:GLU:H	1:59:A:GLU:HB3	13	0.39
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG11	13	0.39
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG12	13	0.39
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG13	13	0.39
(1,2255)	1:22:A:VAL:HG11	1:51:A:VAL:H	20	0.39
(1,2255)	1:22:A:VAL:HG12	1:51:A:VAL:H	20	0.39
(1,2255)	1:22:A:VAL:HG13	1:51:A:VAL:H	20	0.39
(1,2148)	1:18:A:GLU:H	1:18:A:GLU:HB3	12	0.39
(1,2147)	1:18:A:GLU:H	1:18:A:GLU:HG2	3	0.39
(1,1691)	1:28:A:GLU:HA	1:28:A:GLU:HG3	14	0.39
(1,1636)	1:85:A:SER:HA	1:90:A:GLN:HG2	7	0.39
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG21	8	0.39
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG22	8	0.39
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG23	8	0.39
(1,1288)	1:5:A:LEU:H	1:13:A:VAL:HG11	2	0.39
(1,1288)	1:5:A:LEU:H	1:13:A:VAL:HG12	2	0.39
(1,1288)	1:5:A:LEU:H	1:13:A:VAL:HG13	2	0.39
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG21	2	0.39
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG22	2	0.39
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG23	2	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1274)	1:21:A:GLU:HB2	1:51:A:VAL:HG11	10	0.39
(1,1274)	1:21:A:GLU:HB2	1:51:A:VAL:HG12	10	0.39
(1,1274)	1:21:A:GLU:HB2	1:51:A:VAL:HG13	10	0.39
(1,1274)	1:21:A:GLU:HB3	1:51:A:VAL:HG11	10	0.39
(1,1274)	1:21:A:GLU:HB3	1:51:A:VAL:HG12	10	0.39
(1,1274)	1:21:A:GLU:HB3	1:51:A:VAL:HG13	10	0.39
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB1	4	0.39
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB2	4	0.39
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB3	4	0.39
(1,1031)	1:26:A:LEU:HD11	1:32:A:PHE:HZ	13	0.39
(1,1031)	1:26:A:LEU:HD12	1:32:A:PHE:HZ	13	0.39
(1,1031)	1:26:A:LEU:HD13	1:32:A:PHE:HZ	13	0.39
(1,947)	1:1:A:MET:HG2	1:16:A:LEU:HD11	17	0.39
(1,947)	1:1:A:MET:HG2	1:16:A:LEU:HD12	17	0.39
(1,947)	1:1:A:MET:HG2	1:16:A:LEU:HD13	17	0.39
(1,870)	1:14:A:ILE:HG12	1:15:A:ASP:HA	7	0.39
(1,868)	1:119:A:VAL:HG21	1:120:A:ARG:HG3	9	0.39
(1,868)	1:119:A:VAL:HG22	1:120:A:ARG:HG3	9	0.39
(1,868)	1:119:A:VAL:HG23	1:120:A:ARG:HG3	9	0.39
(1,825)	1:7:A:PHE:HB3	1:111:A:ILE:HG12	16	0.39
(1,782)	1:47:A:THR:HB	1:48:A:PRO:HG3	19	0.39
(1,691)	1:62:A:GLU:HA	1:63:A:ILE:HG12	7	0.39
(1,627)	1:22:A:VAL:HB	1:51:A:VAL:HG11	19	0.39
(1,627)	1:22:A:VAL:HB	1:51:A:VAL:HG12	19	0.39
(1,627)	1:22:A:VAL:HB	1:51:A:VAL:HG13	19	0.39
(1,551)	1:53:A:LYS:HA	1:54:A:MET:HG2	8	0.39
(1,550)	1:42:A:GLU:HG3	1:78:A:PHE:HE1	10	0.39
(1,550)	1:42:A:GLU:HG3	1:78:A:PHE:HE2	10	0.39
(1,418)	1:13:A:VAL:HB	1:103:A:GLU:HB3	15	0.39
(1,251)	1:17:A:ASN:HA	1:18:A:GLU:HG2	13	0.39
(1,193)	1:107:A:ASP:HB3	1:108:A:LEU:HD21	12	0.39
(1,193)	1:107:A:ASP:HB3	1:108:A:LEU:HD22	12	0.39
(1,193)	1:107:A:ASP:HB3	1:108:A:LEU:HD23	12	0.39
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA2	8	0.39
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA3	8	0.39
(1,2902)	1:20:A:TYR:HE1	1:56:A:ASN:HB3	1	0.38
(1,2902)	1:20:A:TYR:HE2	1:56:A:ASN:HB3	1	0.38
(1,2902)	1:20:A:TYR:HE1	1:56:A:ASN:HB3	13	0.38
(1,2902)	1:20:A:TYR:HE2	1:56:A:ASN:HB3	13	0.38
(1,2603)	1:33:A:GLU:HG3	1:34:A:SER:H	18	0.38
(1,2522)	1:24:A:LYS:HB3	1:25:A:LEU:H	10	0.38
(1,2458)	1:88:A:LYS:H	1:88:A:LYS:HB2	14	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2403)	1:59:A:GLU:H	1:59:A:GLU:HB3	5	0.38
(1,2403)	1:59:A:GLU:H	1:59:A:GLU:HB3	6	0.38
(1,2403)	1:59:A:GLU:H	1:59:A:GLU:HB3	12	0.38
(1,2357)	1:121:A:PHE:H	1:121:A:PHE:HB3	3	0.38
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG11	10	0.38
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG12	10	0.38
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG13	10	0.38
(1,2297)	1:62:A:GLU:HB3	1:65:A:ASP:H	19	0.38
(1,2286)	1:22:A:VAL:HG11	1:26:A:LEU:H	2	0.38
(1,2286)	1:22:A:VAL:HG12	1:26:A:LEU:H	2	0.38
(1,2286)	1:22:A:VAL:HG13	1:26:A:LEU:H	2	0.38
(1,2286)	1:22:A:VAL:HG11	1:26:A:LEU:H	5	0.38
(1,2286)	1:22:A:VAL:HG12	1:26:A:LEU:H	5	0.38
(1,2286)	1:22:A:VAL:HG13	1:26:A:LEU:H	5	0.38
(1,2239)	1:33:A:GLU:HG3	1:119:A:VAL:H	19	0.38
(1,2213)	1:16:A:LEU:H	1:16:A:LEU:HB3	13	0.38
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG21	8	0.38
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG22	8	0.38
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG23	8	0.38
(1,2148)	1:18:A:GLU:H	1:18:A:GLU:HB3	2	0.38
(1,2148)	1:18:A:GLU:H	1:18:A:GLU:HB3	4	0.38
(1,2148)	1:18:A:GLU:H	1:18:A:GLU:HB3	6	0.38
(1,2148)	1:18:A:GLU:H	1:18:A:GLU:HB3	16	0.38
(1,2147)	1:18:A:GLU:H	1:18:A:GLU:HG2	15	0.38
(1,2146)	1:54:A:MET:H	1:54:A:MET:HB2	14	0.38
(1,1691)	1:28:A:GLU:HA	1:28:A:GLU:HG3	8	0.38
(1,1691)	1:28:A:GLU:HA	1:28:A:GLU:HG3	15	0.38
(1,1691)	1:28:A:GLU:HA	1:28:A:GLU:HG3	16	0.38
(1,1691)	1:28:A:GLU:HA	1:28:A:GLU:HG3	20	0.38
(1,1516)	1:2:A:ARG:HG3	1:102:A:VAL:HG21	18	0.38
(1,1516)	1:2:A:ARG:HG3	1:102:A:VAL:HG22	18	0.38
(1,1516)	1:2:A:ARG:HG3	1:102:A:VAL:HG23	18	0.38
(1,1381)	1:61:A:VAL:HG21	1:97:A:VAL:HG11	9	0.38
(1,1381)	1:61:A:VAL:HG21	1:97:A:VAL:HG12	9	0.38
(1,1381)	1:61:A:VAL:HG21	1:97:A:VAL:HG13	9	0.38
(1,1381)	1:61:A:VAL:HG22	1:97:A:VAL:HG11	9	0.38
(1,1381)	1:61:A:VAL:HG22	1:97:A:VAL:HG12	9	0.38
(1,1381)	1:61:A:VAL:HG22	1:97:A:VAL:HG13	9	0.38
(1,1381)	1:61:A:VAL:HG23	1:97:A:VAL:HG11	9	0.38
(1,1381)	1:61:A:VAL:HG23	1:97:A:VAL:HG12	9	0.38
(1,1381)	1:61:A:VAL:HG23	1:97:A:VAL:HG13	9	0.38
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG11	10	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG12	10	0.38
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG13	10	0.38
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG11	10	0.38
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG12	10	0.38
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG13	10	0.38
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG11	10	0.38
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG12	10	0.38
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG13	10	0.38
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG11	10	0.38
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG12	10	0.38
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG13	10	0.38
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG11	10	0.38
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG12	10	0.38
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG13	10	0.38
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG11	10	0.38
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG12	10	0.38
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG13	10	0.38
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG21	14	0.38
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG22	14	0.38
(1,1296)	1:20:A:TYR:HD1	1:22:A:VAL:HG23	14	0.38
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG21	14	0.38
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG22	14	0.38
(1,1296)	1:20:A:TYR:HD2	1:22:A:VAL:HG23	14	0.38
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG21	2	0.38
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG22	2	0.38
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG23	2	0.38
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG21	5	0.38
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG22	5	0.38
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG23	5	0.38
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG21	12	0.38
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG22	12	0.38
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG23	12	0.38
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG21	16	0.38
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG22	16	0.38
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG23	16	0.38
(1,1274)	1:21:A:GLU:HB2	1:51:A:VAL:HG11	4	0.38
(1,1274)	1:21:A:GLU:HB2	1:51:A:VAL:HG12	4	0.38
(1,1274)	1:21:A:GLU:HB2	1:51:A:VAL:HG13	4	0.38
(1,1274)	1:21:A:GLU:HB3	1:51:A:VAL:HG11	4	0.38
(1,1274)	1:21:A:GLU:HB3	1:51:A:VAL:HG12	4	0.38
(1,1274)	1:21:A:GLU:HB3	1:51:A:VAL:HG13	4	0.38
(1,1268)	1:119:A:VAL:HG21	1:120:A:ARG:HG2	1	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1268)	1:119:A:VAL:HG22	1:120:A:ARG:HG2	1	0.38
(1,1268)	1:119:A:VAL:HG23	1:120:A:ARG:HG2	1	0.38
(1,1268)	1:119:A:VAL:HG21	1:120:A:ARG:HG2	4	0.38
(1,1268)	1:119:A:VAL:HG22	1:120:A:ARG:HG2	4	0.38
(1,1268)	1:119:A:VAL:HG23	1:120:A:ARG:HG2	4	0.38
(1,1268)	1:119:A:VAL:HG21	1:120:A:ARG:HG2	12	0.38
(1,1268)	1:119:A:VAL:HG22	1:120:A:ARG:HG2	12	0.38
(1,1268)	1:119:A:VAL:HG23	1:120:A:ARG:HG2	12	0.38
(1,1268)	1:119:A:VAL:HG21	1:120:A:ARG:HG2	14	0.38
(1,1268)	1:119:A:VAL:HG22	1:120:A:ARG:HG2	14	0.38
(1,1268)	1:119:A:VAL:HG23	1:120:A:ARG:HG2	14	0.38
(1,1261)	1:60:A:VAL:HG11	1:61:A:VAL:H	4	0.38
(1,1261)	1:60:A:VAL:HG12	1:61:A:VAL:H	4	0.38
(1,1261)	1:60:A:VAL:HG13	1:61:A:VAL:H	4	0.38
(1,1244)	1:107:A:ASP:HB2	1:108:A:LEU:HD21	1	0.38
(1,1244)	1:107:A:ASP:HB2	1:108:A:LEU:HD22	1	0.38
(1,1244)	1:107:A:ASP:HB2	1:108:A:LEU:HD23	1	0.38
(1,1223)	1:21:A:GLU:HA	1:51:A:VAL:HG21	15	0.38
(1,1223)	1:21:A:GLU:HA	1:51:A:VAL:HG22	15	0.38
(1,1223)	1:21:A:GLU:HA	1:51:A:VAL:HG23	15	0.38
(1,1191)	1:93:A:SER:H	1:95:A:VAL:HG11	12	0.38
(1,1191)	1:93:A:SER:H	1:95:A:VAL:HG12	12	0.38
(1,1191)	1:93:A:SER:H	1:95:A:VAL:HG13	12	0.38
(1,1077)	1:16:A:LEU:HD21	1:100:A:LYS:H	5	0.38
(1,1077)	1:16:A:LEU:HD22	1:100:A:LYS:H	5	0.38
(1,1077)	1:16:A:LEU:HD23	1:100:A:LYS:H	5	0.38
(1,1051)	1:58:A:ARG:HG2	1:97:A:VAL:HG21	5	0.38
(1,1051)	1:58:A:ARG:HG2	1:97:A:VAL:HG22	5	0.38
(1,1051)	1:58:A:ARG:HG2	1:97:A:VAL:HG23	5	0.38
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD21	5	0.38
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD22	5	0.38
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD23	5	0.38
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD21	10	0.38
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD22	10	0.38
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD23	10	0.38
(1,966)	1:64:A:GLY:HA2	1:105:A:LEU:HD21	6	0.38
(1,966)	1:64:A:GLY:HA2	1:105:A:LEU:HD22	6	0.38
(1,966)	1:64:A:GLY:HA2	1:105:A:LEU:HD23	6	0.38
(1,966)	1:64:A:GLY:HA2	1:105:A:LEU:HD21	11	0.38
(1,966)	1:64:A:GLY:HA2	1:105:A:LEU:HD22	11	0.38
(1,966)	1:64:A:GLY:HA2	1:105:A:LEU:HD23	11	0.38
(1,947)	1:1:A:MET:HG2	1:16:A:LEU:HD11	4	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,947)	1:1:A:MET:HG2	1:16:A:LEU:HD12	4	0.38
(1,947)	1:1:A:MET:HG2	1:16:A:LEU:HD13	4	0.38
(1,940)	1:7:A:PHE:HE2	1:77:A:LEU:HD22	7	0.38
(1,937)	1:77:A:LEU:HD21	1:78:A:PHE:H	9	0.38
(1,937)	1:77:A:LEU:HD22	1:78:A:PHE:H	9	0.38
(1,937)	1:77:A:LEU:HD23	1:78:A:PHE:H	9	0.38
(1,921)	1:22:A:VAL:H	1:25:A:LEU:HD11	8	0.38
(1,921)	1:22:A:VAL:H	1:25:A:LEU:HD12	8	0.38
(1,921)	1:22:A:VAL:H	1:25:A:LEU:HD13	8	0.38
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG21	4	0.38
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG22	4	0.38
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG23	4	0.38
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG21	4	0.38
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG22	4	0.38
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG23	4	0.38
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG21	4	0.38
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG22	4	0.38
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG23	4	0.38
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG11	4	0.38
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG12	4	0.38
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG13	4	0.38
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG11	4	0.38
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG12	4	0.38
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG13	4	0.38
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG11	4	0.38
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG12	4	0.38
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG13	4	0.38
(1,838)	1:78:A:PHE:HZ	1:91:A:PRO:HG2	18	0.38
(1,760)	1:5:A:LEU:HD21	1:12:A:CYS:HB3	10	0.38
(1,760)	1:5:A:LEU:HD22	1:12:A:CYS:HB3	10	0.38
(1,760)	1:5:A:LEU:HD23	1:12:A:CYS:HB3	10	0.38
(1,726)	1:2:A:ARG:H	1:2:A:ARG:HG2	19	0.38
(1,653)	1:30:A:ILE:HG13	1:32:A:PHE:H	18	0.38
(1,632)	1:58:A:ARG:HG2	1:97:A:VAL:HB	20	0.38
(1,599)	1:12:A:CYS:HB2	1:13:A:VAL:H	6	0.38
(1,464)	1:57:A:PRO:HA	1:58:A:ARG:HB3	11	0.38
(1,418)	1:13:A:VAL:HB	1:103:A:GLU:HB3	7	0.38
(1,239)	1:18:A:GLU:HG3	1:24:A:LYS:HG2	1	0.38
(1,173)	1:65:A:ASP:HB2	1:97:A:VAL:HG21	20	0.38
(1,173)	1:65:A:ASP:HB2	1:97:A:VAL:HG22	20	0.38
(1,173)	1:65:A:ASP:HB2	1:97:A:VAL:HG23	20	0.38
(1,158)	1:62:A:GLU:HB3	1:65:A:ASP:HB2	7	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,158)	1:62:A:GLU:HB3	1:65:A:ASP:HB2	19	0.38
(1,122)	1:112:A:LYS:HG2	1:112:A:LYS:HE2	1	0.38
(1,2575)	1:56:A:ASN:H	1:96:A:ASN:HD21	20	0.37
(1,2539)	1:111:A:ILE:H	1:111:A:ILE:HG13	5	0.37
(1,2522)	1:24:A:LYS:HB3	1:25:A:LEU:H	16	0.37
(1,2511)	1:58:A:ARG:HB2	1:60:A:VAL:H	8	0.37
(1,2458)	1:88:A:LYS:H	1:88:A:LYS:HB2	6	0.37
(1,2458)	1:88:A:LYS:H	1:88:A:LYS:HB2	11	0.37
(1,2357)	1:121:A:PHE:H	1:121:A:PHE:HB3	6	0.37
(1,2357)	1:121:A:PHE:H	1:121:A:PHE:HB3	20	0.37
(1,2213)	1:16:A:LEU:H	1:16:A:LEU:HB3	12	0.37
(1,2148)	1:18:A:GLU:H	1:18:A:GLU:HB3	7	0.37
(1,2148)	1:18:A:GLU:H	1:18:A:GLU:HB3	17	0.37
(1,1871)	1:54:A:MET:HA	1:54:A:MET:HG2	8	0.37
(1,1871)	1:54:A:MET:HA	1:54:A:MET:HG2	17	0.37
(1,1691)	1:28:A:GLU:HA	1:28:A:GLU:HG3	1	0.37
(1,1691)	1:28:A:GLU:HA	1:28:A:GLU:HG3	6	0.37
(1,1691)	1:28:A:GLU:HA	1:28:A:GLU:HG3	13	0.37
(1,1636)	1:85:A:SER:HA	1:90:A:GLN:HG2	1	0.37
(1,1381)	1:61:A:VAL:HG21	1:97:A:VAL:HG11	13	0.37
(1,1381)	1:61:A:VAL:HG21	1:97:A:VAL:HG12	13	0.37
(1,1381)	1:61:A:VAL:HG21	1:97:A:VAL:HG13	13	0.37
(1,1381)	1:61:A:VAL:HG22	1:97:A:VAL:HG11	13	0.37
(1,1381)	1:61:A:VAL:HG22	1:97:A:VAL:HG12	13	0.37
(1,1381)	1:61:A:VAL:HG22	1:97:A:VAL:HG13	13	0.37
(1,1381)	1:61:A:VAL:HG23	1:97:A:VAL:HG11	13	0.37
(1,1381)	1:61:A:VAL:HG23	1:97:A:VAL:HG12	13	0.37
(1,1381)	1:61:A:VAL:HG23	1:97:A:VAL:HG13	13	0.37
(1,1297)	1:22:A:VAL:HG21	1:23:A:VAL:H	5	0.37
(1,1297)	1:22:A:VAL:HG22	1:23:A:VAL:H	5	0.37
(1,1297)	1:22:A:VAL:HG23	1:23:A:VAL:H	5	0.37
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG21	13	0.37
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG22	13	0.37
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG23	13	0.37
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG21	18	0.37
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG22	18	0.37
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG23	18	0.37
(1,1292)	1:13:A:VAL:HG11	1:103:A:GLU:HG2	19	0.37
(1,1292)	1:13:A:VAL:HG12	1:103:A:GLU:HG2	19	0.37
(1,1292)	1:13:A:VAL:HG13	1:103:A:GLU:HG2	19	0.37
(1,1288)	1:5:A:LEU:H	1:13:A:VAL:HG11	9	0.37
(1,1288)	1:5:A:LEU:H	1:13:A:VAL:HG12	9	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1288)	1:5:A:LEU:H	1:13:A:VAL:HG13	9	0.37
(1,1274)	1:21:A:GLU:HB2	1:51:A:VAL:HG11	11	0.37
(1,1274)	1:21:A:GLU:HB2	1:51:A:VAL:HG12	11	0.37
(1,1274)	1:21:A:GLU:HB2	1:51:A:VAL:HG13	11	0.37
(1,1274)	1:21:A:GLU:HB3	1:51:A:VAL:HG11	11	0.37
(1,1274)	1:21:A:GLU:HB3	1:51:A:VAL:HG12	11	0.37
(1,1274)	1:21:A:GLU:HB3	1:51:A:VAL:HG13	11	0.37
(1,1274)	1:21:A:GLU:HB2	1:51:A:VAL:HG11	17	0.37
(1,1274)	1:21:A:GLU:HB2	1:51:A:VAL:HG12	17	0.37
(1,1274)	1:21:A:GLU:HB2	1:51:A:VAL:HG13	17	0.37
(1,1274)	1:21:A:GLU:HB3	1:51:A:VAL:HG11	17	0.37
(1,1274)	1:21:A:GLU:HB3	1:51:A:VAL:HG12	17	0.37
(1,1274)	1:21:A:GLU:HB3	1:51:A:VAL:HG13	17	0.37
(1,1274)	1:21:A:GLU:HB2	1:51:A:VAL:HG11	18	0.37
(1,1274)	1:21:A:GLU:HB2	1:51:A:VAL:HG12	18	0.37
(1,1274)	1:21:A:GLU:HB2	1:51:A:VAL:HG13	18	0.37
(1,1274)	1:21:A:GLU:HB3	1:51:A:VAL:HG11	18	0.37
(1,1274)	1:21:A:GLU:HB3	1:51:A:VAL:HG12	18	0.37
(1,1274)	1:21:A:GLU:HB3	1:51:A:VAL:HG13	18	0.37
(1,1272)	1:51:A:VAL:HG11	1:53:A:LYS:H	6	0.37
(1,1272)	1:51:A:VAL:HG12	1:53:A:LYS:H	6	0.37
(1,1272)	1:51:A:VAL:HG13	1:53:A:LYS:H	6	0.37
(1,1270)	1:22:A:VAL:H	1:51:A:VAL:HG11	9	0.37
(1,1270)	1:22:A:VAL:H	1:51:A:VAL:HG12	9	0.37
(1,1270)	1:22:A:VAL:H	1:51:A:VAL:HG13	9	0.37
(1,1268)	1:119:A:VAL:HG21	1:120:A:ARG:HG2	15	0.37
(1,1268)	1:119:A:VAL:HG22	1:120:A:ARG:HG2	15	0.37
(1,1268)	1:119:A:VAL:HG23	1:120:A:ARG:HG2	15	0.37
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG21	15	0.37
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG22	15	0.37
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG23	15	0.37
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG21	10	0.37
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG22	10	0.37
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG23	10	0.37
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG21	19	0.37
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG22	19	0.37
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG23	19	0.37
(1,1203)	1:100:A:LYS:H	1:102:A:VAL:HG11	3	0.37
(1,1203)	1:100:A:LYS:H	1:102:A:VAL:HG12	3	0.37
(1,1203)	1:100:A:LYS:H	1:102:A:VAL:HG13	3	0.37
(1,1200)	1:61:A:VAL:HG21	1:95:A:VAL:HG11	2	0.37
(1,1200)	1:61:A:VAL:HG21	1:95:A:VAL:HG12	2	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1200)	1:61:A:VAL:HG21	1:95:A:VAL:HG13	2	0.37
(1,1200)	1:61:A:VAL:HG22	1:95:A:VAL:HG11	2	0.37
(1,1200)	1:61:A:VAL:HG22	1:95:A:VAL:HG12	2	0.37
(1,1200)	1:61:A:VAL:HG22	1:95:A:VAL:HG13	2	0.37
(1,1200)	1:61:A:VAL:HG23	1:95:A:VAL:HG11	2	0.37
(1,1200)	1:61:A:VAL:HG23	1:95:A:VAL:HG12	2	0.37
(1,1200)	1:61:A:VAL:HG23	1:95:A:VAL:HG13	2	0.37
(1,1079)	1:16:A:LEU:HA	1:16:A:LEU:HD21	10	0.37
(1,1079)	1:16:A:LEU:HA	1:16:A:LEU:HD22	10	0.37
(1,1079)	1:16:A:LEU:HA	1:16:A:LEU:HD23	10	0.37
(1,1052)	1:58:A:ARG:HB3	1:97:A:VAL:HG21	15	0.37
(1,1052)	1:58:A:ARG:HB3	1:97:A:VAL:HG22	15	0.37
(1,1052)	1:58:A:ARG:HB3	1:97:A:VAL:HG23	15	0.37
(1,966)	1:64:A:GLY:HA2	1:105:A:LEU:HD21	9	0.37
(1,966)	1:64:A:GLY:HA2	1:105:A:LEU:HD22	9	0.37
(1,966)	1:64:A:GLY:HA2	1:105:A:LEU:HD23	9	0.37
(1,921)	1:22:A:VAL:H	1:25:A:LEU:HD11	17	0.37
(1,921)	1:22:A:VAL:H	1:25:A:LEU:HD12	17	0.37
(1,921)	1:22:A:VAL:H	1:25:A:LEU:HD13	17	0.37
(1,912)	1:16:A:LEU:HD11	1:23:A:VAL:HG11	1	0.37
(1,912)	1:16:A:LEU:HD11	1:23:A:VAL:HG12	1	0.37
(1,912)	1:16:A:LEU:HD11	1:23:A:VAL:HG13	1	0.37
(1,912)	1:16:A:LEU:HD12	1:23:A:VAL:HG11	1	0.37
(1,912)	1:16:A:LEU:HD12	1:23:A:VAL:HG12	1	0.37
(1,912)	1:16:A:LEU:HD12	1:23:A:VAL:HG13	1	0.37
(1,912)	1:16:A:LEU:HD13	1:23:A:VAL:HG11	1	0.37
(1,912)	1:16:A:LEU:HD13	1:23:A:VAL:HG12	1	0.37
(1,912)	1:16:A:LEU:HD13	1:23:A:VAL:HG13	1	0.37
(1,840)	1:4:A:GLU:H	1:5:A:LEU:HD11	13	0.37
(1,840)	1:4:A:GLU:H	1:5:A:LEU:HD12	13	0.37
(1,840)	1:4:A:GLU:H	1:5:A:LEU:HD13	13	0.37
(1,838)	1:78:A:PHE:HZ	1:91:A:PRO:HG2	11	0.37
(1,825)	1:7:A:PHE:HB3	1:111:A:ILE:HG12	6	0.37
(1,825)	1:7:A:PHE:HB3	1:111:A:ILE:HG12	12	0.37
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG11	9	0.37
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG12	9	0.37
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG13	9	0.37
(1,782)	1:47:A:THR:HB	1:48:A:PRO:HG3	13	0.37
(1,782)	1:47:A:THR:HB	1:48:A:PRO:HG3	14	0.37
(1,691)	1:62:A:GLU:HA	1:63:A:ILE:HG12	5	0.37
(1,669)	1:63:A:ILE:H	1:63:A:ILE:HG12	17	0.37
(1,624)	1:7:A:PHE:HD1	1:115:A:GLU:HB2	3	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,192)	1:107:A:ASP:HB3	1:110:A:LYS:HD3	15	0.37
(1,192)	1:107:A:ASP:HB3	1:110:A:LYS:HD2	15	0.37
(1,2902)	1:20:A:TYR:HE1	1:56:A:ASN:HB3	5	0.36
(1,2902)	1:20:A:TYR:HE2	1:56:A:ASN:HB3	5	0.36
(1,2843)	1:26:A:LEU:HD11	1:32:A:PHE:HE1	6	0.36
(1,2843)	1:26:A:LEU:HD11	1:32:A:PHE:HE2	6	0.36
(1,2843)	1:26:A:LEU:HD12	1:32:A:PHE:HE1	6	0.36
(1,2843)	1:26:A:LEU:HD12	1:32:A:PHE:HE2	6	0.36
(1,2843)	1:26:A:LEU:HD13	1:32:A:PHE:HE1	6	0.36
(1,2843)	1:26:A:LEU:HD13	1:32:A:PHE:HE2	6	0.36
(1,2744)	1:7:A:PHE:HB3	1:10:A:GLY:H	17	0.36
(1,2669)	1:56:A:ASN:HD21	1:58:A:ARG:HE	2	0.36
(1,2631)	1:105:A:LEU:HB2	1:106:A:GLU:H	15	0.36
(1,2553)	1:110:A:LYS:H	1:110:A:LYS:HG2	6	0.36
(1,2511)	1:58:A:ARG:HB2	1:60:A:VAL:H	19	0.36
(1,2458)	1:88:A:LYS:H	1:88:A:LYS:HB2	12	0.36
(1,2357)	1:121:A:PHE:H	1:121:A:PHE:HB3	11	0.36
(1,2357)	1:121:A:PHE:H	1:121:A:PHE:HB3	19	0.36
(1,2315)	1:16:A:LEU:HB2	1:17:A:ASN:H	6	0.36
(1,2286)	1:22:A:VAL:HG11	1:26:A:LEU:H	6	0.36
(1,2286)	1:22:A:VAL:HG12	1:26:A:LEU:H	6	0.36
(1,2286)	1:22:A:VAL:HG13	1:26:A:LEU:H	6	0.36
(1,2213)	1:16:A:LEU:H	1:16:A:LEU:HB3	18	0.36
(1,2213)	1:16:A:LEU:H	1:16:A:LEU:HB3	20	0.36
(1,2148)	1:18:A:GLU:H	1:18:A:GLU:HB3	8	0.36
(1,2148)	1:18:A:GLU:H	1:18:A:GLU:HB3	14	0.36
(1,2148)	1:18:A:GLU:H	1:18:A:GLU:HB3	15	0.36
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG11	17	0.36
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG12	17	0.36
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG13	17	0.36
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG21	10	0.36
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG22	10	0.36
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG23	10	0.36
(1,1711)	1:61:A:VAL:HG11	1:78:A:PHE:HB3	17	0.36
(1,1711)	1:61:A:VAL:HG12	1:78:A:PHE:HB3	17	0.36
(1,1711)	1:61:A:VAL:HG13	1:78:A:PHE:HB3	17	0.36
(1,1702)	1:7:A:PHE:HE1	1:108:A:LEU:HA	10	0.36
(1,1691)	1:28:A:GLU:HA	1:28:A:GLU:HG3	2	0.36
(1,1691)	1:28:A:GLU:HA	1:28:A:GLU:HG3	5	0.36
(1,1691)	1:28:A:GLU:HA	1:28:A:GLU:HG3	7	0.36
(1,1691)	1:28:A:GLU:HA	1:28:A:GLU:HG3	11	0.36
(1,1511)	1:102:A:VAL:H	1:102:A:VAL:HG21	8	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1511)	1:102:A:VAL:H	1:102:A:VAL:HG22	8	0.36
(1,1511)	1:102:A:VAL:H	1:102:A:VAL:HG23	8	0.36
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG21	7	0.36
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG22	7	0.36
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG23	7	0.36
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG21	14	0.36
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG22	14	0.36
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG23	14	0.36
(1,1293)	1:13:A:VAL:HG11	1:103:A:GLU:HB3	1	0.36
(1,1293)	1:13:A:VAL:HG12	1:103:A:GLU:HB3	1	0.36
(1,1293)	1:13:A:VAL:HG13	1:103:A:GLU:HB3	1	0.36
(1,1288)	1:5:A:LEU:H	1:13:A:VAL:HG11	5	0.36
(1,1288)	1:5:A:LEU:H	1:13:A:VAL:HG12	5	0.36
(1,1288)	1:5:A:LEU:H	1:13:A:VAL:HG13	5	0.36
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG21	18	0.36
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG22	18	0.36
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG23	18	0.36
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG21	2	0.36
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG22	2	0.36
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG23	2	0.36
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG21	11	0.36
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG22	11	0.36
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG23	11	0.36
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG21	11	0.36
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG22	11	0.36
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG23	11	0.36
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG21	11	0.36
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG22	11	0.36
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG23	11	0.36
(1,1087)	1:11:A:LYS:HG3	1:12:A:CYS:H	16	0.36
(1,1077)	1:16:A:LEU:HD21	1:100:A:LYS:H	1	0.36
(1,1077)	1:16:A:LEU:HD22	1:100:A:LYS:H	1	0.36
(1,1077)	1:16:A:LEU:HD23	1:100:A:LYS:H	1	0.36
(1,1055)	1:26:A:LEU:HD11	1:29:A:LYS:H	14	0.36
(1,1055)	1:26:A:LEU:HD12	1:29:A:LYS:H	14	0.36
(1,1055)	1:26:A:LEU:HD13	1:29:A:LYS:H	14	0.36
(1,1052)	1:58:A:ARG:HB3	1:97:A:VAL:HG21	14	0.36
(1,1052)	1:58:A:ARG:HB3	1:97:A:VAL:HG22	14	0.36
(1,1052)	1:58:A:ARG:HB3	1:97:A:VAL:HG23	14	0.36
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG11	3	0.36
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG12	3	0.36
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG13	3	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG11	3	0.36
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG12	3	0.36
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG13	3	0.36
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG11	3	0.36
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG12	3	0.36
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG13	3	0.36
(1,990)	1:75:A:LEU:HA	1:75:A:LEU:HD21	17	0.36
(1,990)	1:75:A:LEU:HA	1:75:A:LEU:HD22	17	0.36
(1,990)	1:75:A:LEU:HA	1:75:A:LEU:HD23	17	0.36
(1,952)	1:18:A:GLU:HB2	1:24:A:LYS:HG2	18	0.36
(1,912)	1:16:A:LEU:HD11	1:23:A:VAL:HG11	5	0.36
(1,912)	1:16:A:LEU:HD11	1:23:A:VAL:HG12	5	0.36
(1,912)	1:16:A:LEU:HD11	1:23:A:VAL:HG13	5	0.36
(1,912)	1:16:A:LEU:HD12	1:23:A:VAL:HG11	5	0.36
(1,912)	1:16:A:LEU:HD12	1:23:A:VAL:HG12	5	0.36
(1,912)	1:16:A:LEU:HD12	1:23:A:VAL:HG13	5	0.36
(1,912)	1:16:A:LEU:HD13	1:23:A:VAL:HG11	5	0.36
(1,912)	1:16:A:LEU:HD13	1:23:A:VAL:HG12	5	0.36
(1,912)	1:16:A:LEU:HD13	1:23:A:VAL:HG13	5	0.36
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG21	2	0.36
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG22	2	0.36
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG23	2	0.36
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG21	2	0.36
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG22	2	0.36
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG23	2	0.36
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG21	2	0.36
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG22	2	0.36
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG23	2	0.36
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG11	2	0.36
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG12	2	0.36
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG13	2	0.36
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG11	2	0.36
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG12	2	0.36
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG13	2	0.36
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG11	2	0.36
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG12	2	0.36
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG13	2	0.36
(1,811)	1:6:A:LEU:HG	1:7:A:PHE:HD1	10	0.36
(1,782)	1:47:A:THR:HB	1:48:A:PRO:HG3	15	0.36
(1,691)	1:62:A:GLU:HA	1:63:A:ILE:HG12	3	0.36
(1,690)	1:63:A:ILE:HG12	1:64:A:GLY:H	19	0.36
(1,658)	1:72:A:GLY:HA3	1:73:A:LYS:HD2	8	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,658)	1:72:A:GLY:HA3	1:73:A:LYS:HD3	8	0.36
(1,653)	1:30:A:ILE:HG13	1:32:A:PHE:H	19	0.36
(1,648)	1:70:A:PRO:HB3	1:71:A:PRO:HD3	6	0.36
(1,648)	1:70:A:PRO:HB3	1:71:A:PRO:HD3	9	0.36
(1,648)	1:70:A:PRO:HB3	1:71:A:PRO:HD3	14	0.36
(1,599)	1:12:A:CYS:HB2	1:13:A:VAL:H	13	0.36
(1,563)	1:109:A:LYS:HB3	1:109:A:LYS:HE3	13	0.36
(1,261)	1:3:A:VAL:HA	1:121:A:PHE:HB2	8	0.36
(1,261)	1:3:A:VAL:HA	1:121:A:PHE:HB2	12	0.36
(1,221)	1:54:A:MET:HB3	1:96:A:ASN:HB2	1	0.36
(1,175)	1:65:A:ASP:HB2	1:97:A:VAL:HA	13	0.36
(1,175)	1:65:A:ASP:HB2	1:97:A:VAL:HA	20	0.36
(1,158)	1:62:A:GLU:HB3	1:65:A:ASP:HB2	2	0.36
(1,142)	1:11:A:LYS:HG3	1:11:A:LYS:HE2	13	0.36
(1,142)	1:11:A:LYS:HG3	1:11:A:LYS:HE3	13	0.36
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA2	4	0.36
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA3	4	0.36
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA2	10	0.36
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA3	10	0.36
(1,2877)	1:69:A:TRP:HD1	1:70:A:PRO:HD3	8	0.35
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG11	14	0.35
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG12	14	0.35
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG13	14	0.35
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG11	14	0.35
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG12	14	0.35
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG13	14	0.35
(1,2719)	1:60:A:VAL:HG21	1:90:A:GLN:HE22	13	0.35
(1,2719)	1:60:A:VAL:HG22	1:90:A:GLN:HE22	13	0.35
(1,2719)	1:60:A:VAL:HG23	1:90:A:GLN:HE22	13	0.35
(1,2588)	1:29:A:LYS:H	1:29:A:LYS:HG2	2	0.35
(1,2549)	1:109:A:LYS:HG2	1:110:A:LYS:H	9	0.35
(1,2549)	1:109:A:LYS:HG2	1:110:A:LYS:H	19	0.35
(1,2458)	1:88:A:LYS:H	1:88:A:LYS:HB2	16	0.35
(1,2458)	1:88:A:LYS:H	1:88:A:LYS:HB2	17	0.35
(1,2438)	1:85:A:SER:HB2	1:87:A:ASP:H	3	0.35
(1,2438)	1:85:A:SER:HB2	1:87:A:ASP:H	15	0.35
(1,2403)	1:59:A:GLU:H	1:59:A:GLU:HB3	2	0.35
(1,2361)	1:7:A:PHE:HB2	1:8:A:GLU:H	2	0.35
(1,2357)	1:121:A:PHE:H	1:121:A:PHE:HB3	8	0.35
(1,2357)	1:121:A:PHE:H	1:121:A:PHE:HB3	16	0.35
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG11	6	0.35
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG12	6	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG13	6	0.35
(1,2286)	1:22:A:VAL:HG11	1:26:A:LEU:H	1	0.35
(1,2286)	1:22:A:VAL:HG12	1:26:A:LEU:H	1	0.35
(1,2286)	1:22:A:VAL:HG13	1:26:A:LEU:H	1	0.35
(1,2181)	1:55:A:GLU:H	1:96:A:ASN:HD21	4	0.35
(1,2148)	1:18:A:GLU:H	1:18:A:GLU:HB3	11	0.35
(1,2148)	1:18:A:GLU:H	1:18:A:GLU:HB3	13	0.35
(1,2148)	1:18:A:GLU:H	1:18:A:GLU:HB3	20	0.35
(1,2041)	1:54:A:MET:HB3	1:57:A:PRO:HD2	15	0.35
(1,2041)	1:54:A:MET:HB3	1:57:A:PRO:HD3	15	0.35
(1,1991)	1:69:A:TRP:H	1:70:A:PRO:HD2	16	0.35
(1,1991)	1:69:A:TRP:H	1:70:A:PRO:HD2	19	0.35
(1,1876)	1:60:A:VAL:HG11	1:88:A:LYS:HA	6	0.35
(1,1876)	1:60:A:VAL:HG12	1:88:A:LYS:HA	6	0.35
(1,1876)	1:60:A:VAL:HG13	1:88:A:LYS:HA	6	0.35
(1,1759)	1:2:A:ARG:HA	1:15:A:ASP:HB3	6	0.35
(1,1713)	1:61:A:VAL:HG11	1:78:A:PHE:HB2	20	0.35
(1,1713)	1:61:A:VAL:HG12	1:78:A:PHE:HB2	20	0.35
(1,1713)	1:61:A:VAL:HG13	1:78:A:PHE:HB2	20	0.35
(1,1702)	1:7:A:PHE:HE1	1:108:A:LEU:HA	18	0.35
(1,1691)	1:28:A:GLU:HA	1:28:A:GLU:HG3	4	0.35
(1,1511)	1:102:A:VAL:H	1:102:A:VAL:HG21	14	0.35
(1,1511)	1:102:A:VAL:H	1:102:A:VAL:HG22	14	0.35
(1,1511)	1:102:A:VAL:H	1:102:A:VAL:HG23	14	0.35
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG21	10	0.35
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG22	10	0.35
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG23	10	0.35
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG21	10	0.35
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG22	10	0.35
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG23	10	0.35
(1,1234)	1:7:A:PHE:HE1	1:108:A:LEU:HD21	10	0.35
(1,1208)	1:15:A:ASP:HB2	1:102:A:VAL:HG11	10	0.35
(1,1208)	1:15:A:ASP:HB2	1:102:A:VAL:HG12	10	0.35
(1,1208)	1:15:A:ASP:HB2	1:102:A:VAL:HG13	10	0.35
(1,1200)	1:61:A:VAL:HG21	1:95:A:VAL:HG11	20	0.35
(1,1200)	1:61:A:VAL:HG21	1:95:A:VAL:HG12	20	0.35
(1,1200)	1:61:A:VAL:HG21	1:95:A:VAL:HG13	20	0.35
(1,1200)	1:61:A:VAL:HG22	1:95:A:VAL:HG11	20	0.35
(1,1200)	1:61:A:VAL:HG22	1:95:A:VAL:HG12	20	0.35
(1,1200)	1:61:A:VAL:HG22	1:95:A:VAL:HG13	20	0.35
(1,1200)	1:61:A:VAL:HG23	1:95:A:VAL:HG11	20	0.35
(1,1200)	1:61:A:VAL:HG23	1:95:A:VAL:HG12	20	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1200)	1:61:A:VAL:HG23	1:95:A:VAL:HG13	20	0.35
(1,1137)	1:49:A:VAL:HG21	1:51:A:VAL:H	10	0.35
(1,1137)	1:49:A:VAL:HG22	1:51:A:VAL:H	10	0.35
(1,1137)	1:49:A:VAL:HG23	1:51:A:VAL:H	10	0.35
(1,988)	1:45:A:PHE:HZ	1:75:A:LEU:HD21	19	0.35
(1,988)	1:45:A:PHE:HZ	1:75:A:LEU:HD22	19	0.35
(1,988)	1:45:A:PHE:HZ	1:75:A:LEU:HD23	19	0.35
(1,820)	1:110:A:LYS:H	1:111:A:ILE:HG13	16	0.35
(1,648)	1:70:A:PRO:HB3	1:71:A:PRO:HD3	13	0.35
(1,618)	1:7:A:PHE:HD1	1:115:A:GLU:HB3	3	0.35
(1,589)	1:18:A:GLU:HG3	1:23:A:VAL:HB	19	0.35
(1,460)	1:13:A:VAL:H	1:103:A:GLU:HB2	1	0.35
(1,386)	1:61:A:VAL:HG11	1:62:A:GLU:HG2	8	0.35
(1,386)	1:61:A:VAL:HG12	1:62:A:GLU:HG2	8	0.35
(1,386)	1:61:A:VAL:HG13	1:62:A:GLU:HG2	8	0.35
(1,251)	1:17:A:ASN:HA	1:18:A:GLU:HG2	4	0.35
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA2	9	0.35
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA3	9	0.35
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG11	19	0.34
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG12	19	0.34
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG13	19	0.34
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG11	19	0.34
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG12	19	0.34
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG13	19	0.34
(1,2631)	1:105:A:LEU:HB2	1:106:A:GLU:H	17	0.34
(1,2522)	1:24:A:LYS:HB3	1:25:A:LEU:H	20	0.34
(1,2461)	1:87:A:ASP:HB2	1:88:A:LYS:H	18	0.34
(1,2458)	1:88:A:LYS:H	1:88:A:LYS:HB2	10	0.34
(1,2438)	1:85:A:SER:HB2	1:87:A:ASP:H	11	0.34
(1,2398)	1:107:A:ASP:H	1:107:A:ASP:HB2	11	0.34
(1,2357)	1:121:A:PHE:H	1:121:A:PHE:HB3	9	0.34
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG21	17	0.34
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG22	17	0.34
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG23	17	0.34
(1,2148)	1:18:A:GLU:H	1:18:A:GLU:HB3	19	0.34
(1,2141)	1:7:A:PHE:H	1:7:A:PHE:HB3	10	0.34
(1,2141)	1:7:A:PHE:H	1:7:A:PHE:HB3	15	0.34
(1,1991)	1:69:A:TRP:H	1:70:A:PRO:HD2	10	0.34
(1,1636)	1:85:A:SER:HA	1:90:A:GLN:HG2	4	0.34
(1,1516)	1:2:A:ARG:HG3	1:102:A:VAL:HG21	17	0.34
(1,1516)	1:2:A:ARG:HG3	1:102:A:VAL:HG22	17	0.34
(1,1516)	1:2:A:ARG:HG3	1:102:A:VAL:HG23	17	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1509)	1:2:A:ARG:HD2	1:102:A:VAL:HG21	8	0.34
(1,1509)	1:2:A:ARG:HD2	1:102:A:VAL:HG22	8	0.34
(1,1509)	1:2:A:ARG:HD2	1:102:A:VAL:HG23	8	0.34
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG11	16	0.34
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG12	16	0.34
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG13	16	0.34
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG11	16	0.34
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG12	16	0.34
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG13	16	0.34
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG11	16	0.34
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG12	16	0.34
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG13	16	0.34
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG11	16	0.34
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG12	16	0.34
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG13	16	0.34
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG11	16	0.34
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG12	16	0.34
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG13	16	0.34
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG11	16	0.34
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG12	16	0.34
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG13	16	0.34
(1,1304)	1:22:A:VAL:HG21	1:98:A:ILE:HB	10	0.34
(1,1304)	1:22:A:VAL:HG22	1:98:A:ILE:HB	10	0.34
(1,1304)	1:22:A:VAL:HG23	1:98:A:ILE:HB	10	0.34
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG21	17	0.34
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG22	17	0.34
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG23	17	0.34
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG21	1	0.34
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG22	1	0.34
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG23	1	0.34
(1,1274)	1:21:A:GLU:HB2	1:51:A:VAL:HG11	20	0.34
(1,1274)	1:21:A:GLU:HB2	1:51:A:VAL:HG12	20	0.34
(1,1274)	1:21:A:GLU:HB2	1:51:A:VAL:HG13	20	0.34
(1,1274)	1:21:A:GLU:HB3	1:51:A:VAL:HG11	20	0.34
(1,1274)	1:21:A:GLU:HB3	1:51:A:VAL:HG12	20	0.34
(1,1274)	1:21:A:GLU:HB3	1:51:A:VAL:HG13	20	0.34
(1,1261)	1:60:A:VAL:HG11	1:61:A:VAL:H	7	0.34
(1,1261)	1:60:A:VAL:HG12	1:61:A:VAL:H	7	0.34
(1,1261)	1:60:A:VAL:HG13	1:61:A:VAL:H	7	0.34
(1,1224)	1:22:A:VAL:HA	1:51:A:VAL:HG21	14	0.34
(1,1224)	1:22:A:VAL:HA	1:51:A:VAL:HG22	14	0.34
(1,1224)	1:22:A:VAL:HA	1:51:A:VAL:HG23	14	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1201)	1:101:A:ILE:H	1:102:A:VAL:HG11	3	0.34
(1,1201)	1:101:A:ILE:H	1:102:A:VAL:HG12	3	0.34
(1,1201)	1:101:A:ILE:H	1:102:A:VAL:HG13	3	0.34
(1,1055)	1:26:A:LEU:HD11	1:29:A:LYS:H	13	0.34
(1,1055)	1:26:A:LEU:HD12	1:29:A:LYS:H	13	0.34
(1,1055)	1:26:A:LEU:HD13	1:29:A:LYS:H	13	0.34
(1,990)	1:75:A:LEU:HA	1:75:A:LEU:HD21	18	0.34
(1,990)	1:75:A:LEU:HA	1:75:A:LEU:HD22	18	0.34
(1,990)	1:75:A:LEU:HA	1:75:A:LEU:HD23	18	0.34
(1,954)	1:23:A:VAL:H	1:24:A:LYS:HG2	5	0.34
(1,954)	1:23:A:VAL:H	1:24:A:LYS:HG2	8	0.34
(1,904)	1:22:A:VAL:HG11	1:23:A:VAL:HG11	11	0.34
(1,904)	1:22:A:VAL:HG11	1:23:A:VAL:HG12	11	0.34
(1,904)	1:22:A:VAL:HG11	1:23:A:VAL:HG13	11	0.34
(1,904)	1:22:A:VAL:HG12	1:23:A:VAL:HG11	11	0.34
(1,904)	1:22:A:VAL:HG12	1:23:A:VAL:HG12	11	0.34
(1,904)	1:22:A:VAL:HG12	1:23:A:VAL:HG13	11	0.34
(1,904)	1:22:A:VAL:HG13	1:23:A:VAL:HG11	11	0.34
(1,904)	1:22:A:VAL:HG13	1:23:A:VAL:HG12	11	0.34
(1,904)	1:22:A:VAL:HG13	1:23:A:VAL:HG13	11	0.34
(1,868)	1:119:A:VAL:HG21	1:120:A:ARG:HG3	5	0.34
(1,868)	1:119:A:VAL:HG22	1:120:A:ARG:HG3	5	0.34
(1,868)	1:119:A:VAL:HG23	1:120:A:ARG:HG3	5	0.34
(1,867)	1:57:A:PRO:HA	1:58:A:ARG:HG3	7	0.34
(1,854)	1:61:A:VAL:HG21	1:91:A:PRO:HG2	1	0.34
(1,854)	1:61:A:VAL:HG22	1:91:A:PRO:HG2	1	0.34
(1,854)	1:61:A:VAL:HG23	1:91:A:PRO:HG2	1	0.34
(1,819)	1:108:A:LEU:HD21	1:111:A:ILE:HG13	13	0.34
(1,819)	1:108:A:LEU:HD22	1:111:A:ILE:HG13	13	0.34
(1,819)	1:108:A:LEU:HD23	1:111:A:ILE:HG13	13	0.34
(1,811)	1:6:A:LEU:HG	1:7:A:PHE:HD1	7	0.34
(1,811)	1:6:A:LEU:HG	1:7:A:PHE:HD1	15	0.34
(1,782)	1:47:A:THR:HB	1:48:A:PRO:HG3	12	0.34
(1,782)	1:47:A:THR:HB	1:48:A:PRO:HG3	16	0.34
(1,776)	1:32:A:PHE:HB2	1:48:A:PRO:HG2	18	0.34
(1,776)	1:32:A:PHE:HB3	1:48:A:PRO:HG2	18	0.34
(1,761)	1:5:A:LEU:HD21	1:14:A:ILE:HG13	13	0.34
(1,761)	1:5:A:LEU:HD22	1:14:A:ILE:HG13	13	0.34
(1,761)	1:5:A:LEU:HD23	1:14:A:ILE:HG13	13	0.34
(1,703)	1:81:A:LYS:HD2	1:85:A:SER:HB2	7	0.34
(1,690)	1:63:A:ILE:HG12	1:64:A:GLY:H	2	0.34
(1,690)	1:63:A:ILE:HG12	1:64:A:GLY:H	14	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,653)	1:30:A:ILE:HG13	1:32:A:PHE:H	7	0.34
(1,645)	1:52:A:GLN:HE22	1:70:A:PRO:HB2	10	0.34
(1,464)	1:57:A:PRO:HA	1:58:A:ARG:HB3	16	0.34
(1,464)	1:57:A:PRO:HA	1:58:A:ARG:HB3	17	0.34
(1,342)	1:41:A:GLU:HG2	1:79:A:PHE:HZ	7	0.34
(1,186)	1:107:A:ASP:HB3	1:111:A:ILE:HD11	15	0.34
(1,186)	1:107:A:ASP:HB3	1:111:A:ILE:HD12	15	0.34
(1,186)	1:107:A:ASP:HB3	1:111:A:ILE:HD13	15	0.34
(1,134)	1:109:A:LYS:HG2	1:109:A:LYS:HE3	16	0.34
(1,42)	1:63:A:ILE:HG13	1:80:A:GLY:HA2	7	0.34
(1,18)	1:16:A:LEU:HD21	1:99:A:GLY:HA2	10	0.34
(1,18)	1:16:A:LEU:HD22	1:99:A:GLY:HA2	10	0.34
(1,18)	1:16:A:LEU:HD23	1:99:A:GLY:HA2	10	0.34
(1,2902)	1:20:A:TYR:HE1	1:56:A:ASN:HB3	2	0.33
(1,2902)	1:20:A:TYR:HE2	1:56:A:ASN:HB3	2	0.33
(1,2894)	1:39:A:TRP:HZ3	1:84:A:MET:HB3	14	0.33
(1,2877)	1:69:A:TRP:HD1	1:70:A:PRO:HD3	6	0.33
(1,2669)	1:56:A:ASN:HD21	1:58:A:ARG:HE	8	0.33
(1,2603)	1:33:A:GLU:HG3	1:34:A:SER:H	13	0.33
(1,2549)	1:109:A:LYS:HG2	1:110:A:LYS:H	20	0.33
(1,2458)	1:88:A:LYS:H	1:88:A:LYS:HB2	7	0.33
(1,2458)	1:88:A:LYS:H	1:88:A:LYS:HB2	13	0.33
(1,2458)	1:88:A:LYS:H	1:88:A:LYS:HB2	20	0.33
(1,2438)	1:85:A:SER:HB2	1:87:A:ASP:H	5	0.33
(1,2438)	1:85:A:SER:HB2	1:87:A:ASP:H	17	0.33
(1,2428)	1:11:A:LYS:H	1:11:A:LYS:HG3	17	0.33
(1,2403)	1:59:A:GLU:H	1:59:A:GLU:HB3	1	0.33
(1,2402)	1:58:A:ARG:HB2	1:59:A:GLU:H	3	0.33
(1,2362)	1:8:A:GLU:H	1:8:A:GLU:HG3	7	0.33
(1,2357)	1:121:A:PHE:H	1:121:A:PHE:HB3	13	0.33
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG11	17	0.33
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG12	17	0.33
(1,2343)	1:13:A:VAL:H	1:13:A:VAL:HG13	17	0.33
(1,2286)	1:22:A:VAL:HG11	1:26:A:LEU:H	17	0.33
(1,2286)	1:22:A:VAL:HG12	1:26:A:LEU:H	17	0.33
(1,2286)	1:22:A:VAL:HG13	1:26:A:LEU:H	17	0.33
(1,2226)	1:86:A:ASP:H	1:86:A:ASP:HB3	15	0.33
(1,2213)	1:16:A:LEU:H	1:16:A:LEU:HB3	3	0.33
(1,2148)	1:18:A:GLU:H	1:18:A:GLU:HB3	1	0.33
(1,2146)	1:54:A:MET:H	1:54:A:MET:HB2	19	0.33
(1,2141)	1:7:A:PHE:H	1:7:A:PHE:HB3	6	0.33
(1,2141)	1:7:A:PHE:H	1:7:A:PHE:HB3	7	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2141)	1:7:A:PHE:H	1:7:A:PHE:HB3	18	0.33
(1,1991)	1:69:A:TRP:H	1:70:A:PRO:HD2	9	0.33
(1,1651)	1:33:A:GLU:HA	1:117:A:VAL:HG11	5	0.33
(1,1651)	1:33:A:GLU:HA	1:117:A:VAL:HG12	5	0.33
(1,1651)	1:33:A:GLU:HA	1:117:A:VAL:HG13	5	0.33
(1,1395)	1:26:A:LEU:HA	1:49:A:VAL:HG11	3	0.33
(1,1395)	1:26:A:LEU:HA	1:49:A:VAL:HG12	3	0.33
(1,1395)	1:26:A:LEU:HA	1:49:A:VAL:HG13	3	0.33
(1,1395)	1:26:A:LEU:HA	1:49:A:VAL:HG11	18	0.33
(1,1395)	1:26:A:LEU:HA	1:49:A:VAL:HG12	18	0.33
(1,1395)	1:26:A:LEU:HA	1:49:A:VAL:HG13	18	0.33
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG21	10	0.33
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG22	10	0.33
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG23	10	0.33
(1,1288)	1:5:A:LEU:H	1:13:A:VAL:HG11	8	0.33
(1,1288)	1:5:A:LEU:H	1:13:A:VAL:HG12	8	0.33
(1,1288)	1:5:A:LEU:H	1:13:A:VAL:HG13	8	0.33
(1,1274)	1:21:A:GLU:HB2	1:51:A:VAL:HG11	6	0.33
(1,1274)	1:21:A:GLU:HB2	1:51:A:VAL:HG12	6	0.33
(1,1274)	1:21:A:GLU:HB2	1:51:A:VAL:HG13	6	0.33
(1,1274)	1:21:A:GLU:HB3	1:51:A:VAL:HG11	6	0.33
(1,1274)	1:21:A:GLU:HB3	1:51:A:VAL:HG12	6	0.33
(1,1274)	1:21:A:GLU:HB3	1:51:A:VAL:HG13	6	0.33
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG21	5	0.33
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG22	5	0.33
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG23	5	0.33
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG21	6	0.33
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG22	6	0.33
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG23	6	0.33
(1,1261)	1:60:A:VAL:HG11	1:61:A:VAL:H	3	0.33
(1,1261)	1:60:A:VAL:HG12	1:61:A:VAL:H	3	0.33
(1,1261)	1:60:A:VAL:HG13	1:61:A:VAL:H	3	0.33
(1,1229)	1:66:A:VAL:H	1:66:A:VAL:HG21	6	0.33
(1,1229)	1:66:A:VAL:H	1:66:A:VAL:HG22	6	0.33
(1,1229)	1:66:A:VAL:H	1:66:A:VAL:HG23	6	0.33
(1,1200)	1:61:A:VAL:HG21	1:95:A:VAL:HG11	10	0.33
(1,1200)	1:61:A:VAL:HG21	1:95:A:VAL:HG12	10	0.33
(1,1200)	1:61:A:VAL:HG21	1:95:A:VAL:HG13	10	0.33
(1,1200)	1:61:A:VAL:HG22	1:95:A:VAL:HG11	10	0.33
(1,1200)	1:61:A:VAL:HG22	1:95:A:VAL:HG12	10	0.33
(1,1200)	1:61:A:VAL:HG22	1:95:A:VAL:HG13	10	0.33
(1,1200)	1:61:A:VAL:HG23	1:95:A:VAL:HG11	10	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1200)	1:61:A:VAL:HG23	1:95:A:VAL:HG12	10	0.33
(1,1200)	1:61:A:VAL:HG23	1:95:A:VAL:HG13	10	0.33
(1,1200)	1:61:A:VAL:HG21	1:95:A:VAL:HG11	14	0.33
(1,1200)	1:61:A:VAL:HG21	1:95:A:VAL:HG12	14	0.33
(1,1200)	1:61:A:VAL:HG21	1:95:A:VAL:HG13	14	0.33
(1,1200)	1:61:A:VAL:HG22	1:95:A:VAL:HG11	14	0.33
(1,1200)	1:61:A:VAL:HG22	1:95:A:VAL:HG12	14	0.33
(1,1200)	1:61:A:VAL:HG22	1:95:A:VAL:HG13	14	0.33
(1,1200)	1:61:A:VAL:HG23	1:95:A:VAL:HG11	14	0.33
(1,1200)	1:61:A:VAL:HG23	1:95:A:VAL:HG12	14	0.33
(1,1200)	1:61:A:VAL:HG23	1:95:A:VAL:HG13	14	0.33
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD11	12	0.33
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD12	12	0.33
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD13	12	0.33
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD11	12	0.33
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD12	12	0.33
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD13	12	0.33
(1,966)	1:64:A:GLY:HA2	1:105:A:LEU:HD21	19	0.33
(1,966)	1:64:A:GLY:HA2	1:105:A:LEU:HD22	19	0.33
(1,966)	1:64:A:GLY:HA2	1:105:A:LEU:HD23	19	0.33
(1,954)	1:23:A:VAL:H	1:24:A:LYS:HG2	2	0.33
(1,954)	1:23:A:VAL:H	1:24:A:LYS:HG2	14	0.33
(1,952)	1:18:A:GLU:HB2	1:24:A:LYS:HG2	13	0.33
(1,921)	1:22:A:VAL:H	1:25:A:LEU:HD11	20	0.33
(1,921)	1:22:A:VAL:H	1:25:A:LEU:HD12	20	0.33
(1,921)	1:22:A:VAL:H	1:25:A:LEU:HD13	20	0.33
(1,854)	1:61:A:VAL:HG21	1:91:A:PRO:HG2	17	0.33
(1,854)	1:61:A:VAL:HG22	1:91:A:PRO:HG2	17	0.33
(1,854)	1:61:A:VAL:HG23	1:91:A:PRO:HG2	17	0.33
(1,838)	1:78:A:PHE:HZ	1:91:A:PRO:HG2	4	0.33
(1,811)	1:6:A:LEU:HG	1:7:A:PHE:HD1	16	0.33
(1,648)	1:70:A:PRO:HB3	1:71:A:PRO:HD3	19	0.33
(1,618)	1:7:A:PHE:HD2	1:115:A:GLU:HB3	14	0.33
(1,603)	1:7:A:PHE:HE1	1:12:A:CYS:HB3	13	0.33
(1,552)	1:54:A:MET:HG2	1:57:A:PRO:HG3	6	0.33
(1,537)	1:42:A:GLU:HG2	1:44:A:TYR:HB2	5	0.33
(1,537)	1:42:A:GLU:HG2	1:44:A:TYR:HB3	5	0.33
(1,527)	1:21:A:GLU:HB2	1:53:A:LYS:HB2	8	0.33
(1,527)	1:21:A:GLU:HB3	1:53:A:LYS:HB2	8	0.33
(1,513)	1:61:A:VAL:HB	1:78:A:PHE:HB3	11	0.33
(1,495)	1:29:A:LYS:HB3	1:49:A:VAL:HG11	1	0.33
(1,495)	1:29:A:LYS:HB3	1:49:A:VAL:HG12	1	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,495)	1:29:A:LYS:HB3	1:49:A:VAL:HG13	1	0.33
(1,469)	1:60:A:VAL:HG11	1:88:A:LYS:HB3	4	0.33
(1,469)	1:60:A:VAL:HG12	1:88:A:LYS:HB3	4	0.33
(1,469)	1:60:A:VAL:HG13	1:88:A:LYS:HB3	4	0.33
(1,469)	1:60:A:VAL:HG11	1:88:A:LYS:HB2	4	0.33
(1,469)	1:60:A:VAL:HG12	1:88:A:LYS:HB2	4	0.33
(1,469)	1:60:A:VAL:HG13	1:88:A:LYS:HB2	4	0.33
(1,261)	1:3:A:VAL:HA	1:121:A:PHE:HB2	20	0.33
(1,239)	1:18:A:GLU:HG3	1:24:A:LYS:HG2	20	0.33
(1,158)	1:62:A:GLU:HB3	1:65:A:ASP:HB2	5	0.33
(1,122)	1:112:A:LYS:HG2	1:112:A:LYS:HE2	3	0.33
(1,122)	1:112:A:LYS:HG2	1:112:A:LYS:HE2	19	0.33
(1,2780)	1:61:A:VAL:HG11	1:78:A:PHE:HD1	6	0.32
(1,2780)	1:61:A:VAL:HG11	1:78:A:PHE:HD2	6	0.32
(1,2780)	1:61:A:VAL:HG12	1:78:A:PHE:HD1	6	0.32
(1,2780)	1:61:A:VAL:HG12	1:78:A:PHE:HD2	6	0.32
(1,2780)	1:61:A:VAL:HG13	1:78:A:PHE:HD1	6	0.32
(1,2780)	1:61:A:VAL:HG13	1:78:A:PHE:HD2	6	0.32
(1,2522)	1:24:A:LYS:HB3	1:25:A:LEU:H	12	0.32
(1,2438)	1:85:A:SER:HB2	1:87:A:ASP:H	12	0.32
(1,2438)	1:85:A:SER:HB2	1:87:A:ASP:H	14	0.32
(1,2425)	1:11:A:LYS:H	1:107:A:ASP:HB3	11	0.32
(1,2357)	1:121:A:PHE:H	1:121:A:PHE:HB3	4	0.32
(1,2357)	1:121:A:PHE:H	1:121:A:PHE:HB3	17	0.32
(1,2213)	1:16:A:LEU:H	1:16:A:LEU:HB3	16	0.32
(1,2213)	1:16:A:LEU:H	1:16:A:LEU:HB3	17	0.32
(1,2148)	1:18:A:GLU:H	1:18:A:GLU:HB3	3	0.32
(1,2148)	1:18:A:GLU:H	1:18:A:GLU:HB3	18	0.32
(1,2141)	1:7:A:PHE:H	1:7:A:PHE:HB3	1	0.32
(1,2141)	1:7:A:PHE:H	1:7:A:PHE:HB3	3	0.32
(1,2141)	1:7:A:PHE:H	1:7:A:PHE:HB3	12	0.32
(1,2141)	1:7:A:PHE:H	1:7:A:PHE:HB3	13	0.32
(1,1991)	1:69:A:TRP:H	1:70:A:PRO:HD2	2	0.32
(1,1759)	1:2:A:ARG:HA	1:15:A:ASP:HB3	12	0.32
(1,1653)	1:34:A:SER:HB2	1:117:A:VAL:HG11	5	0.32
(1,1653)	1:34:A:SER:HB2	1:117:A:VAL:HG12	5	0.32
(1,1653)	1:34:A:SER:HB2	1:117:A:VAL:HG13	5	0.32
(1,1653)	1:34:A:SER:HB3	1:117:A:VAL:HG11	5	0.32
(1,1653)	1:34:A:SER:HB3	1:117:A:VAL:HG12	5	0.32
(1,1653)	1:34:A:SER:HB3	1:117:A:VAL:HG13	5	0.32
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG11	4	0.32
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG12	4	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG13	4	0.32
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG11	4	0.32
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG12	4	0.32
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG13	4	0.32
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG11	4	0.32
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG12	4	0.32
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG13	4	0.32
(1,1395)	1:26:A:LEU:HA	1:49:A:VAL:HG11	7	0.32
(1,1395)	1:26:A:LEU:HA	1:49:A:VAL:HG12	7	0.32
(1,1395)	1:26:A:LEU:HA	1:49:A:VAL:HG13	7	0.32
(1,1356)	1:35:A:VAL:HG11	1:36:A:VAL:H	15	0.32
(1,1356)	1:35:A:VAL:HG12	1:36:A:VAL:H	15	0.32
(1,1356)	1:35:A:VAL:HG13	1:36:A:VAL:H	15	0.32
(1,1336)	1:42:A:GLU:HB3	1:82:A:THR:HG21	14	0.32
(1,1336)	1:42:A:GLU:HB3	1:82:A:THR:HG22	14	0.32
(1,1336)	1:42:A:GLU:HB3	1:82:A:THR:HG23	14	0.32
(1,1297)	1:22:A:VAL:HG21	1:23:A:VAL:H	1	0.32
(1,1297)	1:22:A:VAL:HG22	1:23:A:VAL:H	1	0.32
(1,1297)	1:22:A:VAL:HG23	1:23:A:VAL:H	1	0.32
(1,1295)	1:22:A:VAL:HG21	1:24:A:LYS:H	18	0.32
(1,1295)	1:22:A:VAL:HG22	1:24:A:LYS:H	18	0.32
(1,1295)	1:22:A:VAL:HG23	1:24:A:LYS:H	18	0.32
(1,1288)	1:5:A:LEU:H	1:13:A:VAL:HG11	4	0.32
(1,1288)	1:5:A:LEU:H	1:13:A:VAL:HG12	4	0.32
(1,1288)	1:5:A:LEU:H	1:13:A:VAL:HG13	4	0.32
(1,1268)	1:119:A:VAL:HG21	1:120:A:ARG:HG2	10	0.32
(1,1268)	1:119:A:VAL:HG22	1:120:A:ARG:HG2	10	0.32
(1,1268)	1:119:A:VAL:HG23	1:120:A:ARG:HG2	10	0.32
(1,1021)	1:53:A:LYS:HG3	1:55:A:GLU:H	19	0.32
(1,990)	1:75:A:LEU:HA	1:75:A:LEU:HD21	3	0.32
(1,990)	1:75:A:LEU:HA	1:75:A:LEU:HD22	3	0.32
(1,990)	1:75:A:LEU:HA	1:75:A:LEU:HD23	3	0.32
(1,952)	1:18:A:GLU:HB2	1:24:A:LYS:HG2	15	0.32
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG21	15	0.32
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG22	15	0.32
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG23	15	0.32
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG21	15	0.32
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG22	15	0.32
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG23	15	0.32
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG21	15	0.32
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG22	15	0.32
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG23	15	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG11	15	0.32
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG12	15	0.32
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG13	15	0.32
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG11	15	0.32
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG12	15	0.32
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG13	15	0.32
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG11	15	0.32
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG12	15	0.32
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG13	15	0.32
(1,782)	1:47:A:THR:HB	1:48:A:PRO:HG3	1	0.32
(1,782)	1:47:A:THR:HB	1:48:A:PRO:HG3	11	0.32
(1,716)	1:39:A:TRP:HB3	1:42:A:GLU:HB2	10	0.32
(1,669)	1:63:A:ILE:H	1:63:A:ILE:HG12	2	0.32
(1,669)	1:63:A:ILE:H	1:63:A:ILE:HG12	7	0.32
(1,653)	1:30:A:ILE:HG13	1:32:A:PHE:H	6	0.32
(1,633)	1:56:A:ASN:HB2	1:97:A:VAL:HB	18	0.32
(1,603)	1:7:A:PHE:HE1	1:12:A:CYS:HB3	16	0.32
(1,547)	1:62:A:GLU:H	1:62:A:GLU:HB3	5	0.32
(1,519)	1:51:A:VAL:HG11	1:53:A:LYS:HB3	13	0.32
(1,519)	1:51:A:VAL:HG12	1:53:A:LYS:HB3	13	0.32
(1,519)	1:51:A:VAL:HG13	1:53:A:LYS:HB3	13	0.32
(1,464)	1:57:A:PRO:HA	1:58:A:ARG:HB3	9	0.32
(1,399)	1:21:A:GLU:HG2	1:51:A:VAL:HG11	4	0.32
(1,399)	1:21:A:GLU:HG2	1:51:A:VAL:HG12	4	0.32
(1,399)	1:21:A:GLU:HG2	1:51:A:VAL:HG13	4	0.32
(1,173)	1:65:A:ASP:HB2	1:97:A:VAL:HG21	6	0.32
(1,173)	1:65:A:ASP:HB2	1:97:A:VAL:HG22	6	0.32
(1,173)	1:65:A:ASP:HB2	1:97:A:VAL:HG23	6	0.32
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA2	7	0.32
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA3	7	0.32
(1,2894)	1:39:A:TRP:HZ3	1:84:A:MET:HB3	15	0.31
(1,2887)	1:69:A:TRP:HZ3	1:72:A:GLY:HA2	8	0.31
(1,2797)	1:27:A:LYS:HG3	1:121:A:PHE:HE1	18	0.31
(1,2797)	1:27:A:LYS:HG3	1:121:A:PHE:HE2	18	0.31
(1,2539)	1:111:A:ILE:H	1:111:A:ILE:HG13	13	0.31
(1,2447)	1:33:A:GLU:H	1:33:A:GLU:HB2	4	0.31
(1,2428)	1:11:A:LYS:H	1:11:A:LYS:HG3	13	0.31
(1,2403)	1:59:A:GLU:H	1:59:A:GLU:HB3	11	0.31
(1,2403)	1:59:A:GLU:H	1:59:A:GLU:HB3	17	0.31
(1,2213)	1:16:A:LEU:H	1:16:A:LEU:HB3	2	0.31
(1,2148)	1:18:A:GLU:H	1:18:A:GLU:HB3	5	0.31
(1,2141)	1:7:A:PHE:H	1:7:A:PHE:HB3	14	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2141)	1:7:A:PHE:H	1:7:A:PHE:HB3	19	0.31
(1,2048)	1:48:A:PRO:HD2	1:49:A:VAL:HG11	16	0.31
(1,2048)	1:48:A:PRO:HD2	1:49:A:VAL:HG12	16	0.31
(1,2048)	1:48:A:PRO:HD2	1:49:A:VAL:HG13	16	0.31
(1,1587)	1:101:A:ILE:HG21	1:105:A:LEU:HB3	4	0.31
(1,1587)	1:101:A:ILE:HG22	1:105:A:LEU:HB3	4	0.31
(1,1587)	1:101:A:ILE:HG23	1:105:A:LEU:HB3	4	0.31
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG11	2	0.31
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG12	2	0.31
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG13	2	0.31
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG11	2	0.31
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG12	2	0.31
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG13	2	0.31
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG11	2	0.31
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG12	2	0.31
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG13	2	0.31
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG11	7	0.31
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG12	7	0.31
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG13	7	0.31
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG11	7	0.31
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG12	7	0.31
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG13	7	0.31
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG11	7	0.31
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG12	7	0.31
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG13	7	0.31
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG11	17	0.31
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG12	17	0.31
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG13	17	0.31
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG11	17	0.31
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG12	17	0.31
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG13	17	0.31
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG11	17	0.31
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG12	17	0.31
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG13	17	0.31
(1,1395)	1:26:A:LEU:HA	1:49:A:VAL:HG11	4	0.31
(1,1395)	1:26:A:LEU:HA	1:49:A:VAL:HG12	4	0.31
(1,1395)	1:26:A:LEU:HA	1:49:A:VAL:HG13	4	0.31
(1,1392)	1:49:A:VAL:H	1:49:A:VAL:HG11	7	0.31
(1,1392)	1:49:A:VAL:H	1:49:A:VAL:HG12	7	0.31
(1,1392)	1:49:A:VAL:H	1:49:A:VAL:HG13	7	0.31
(1,1297)	1:22:A:VAL:HG21	1:23:A:VAL:H	2	0.31
(1,1297)	1:22:A:VAL:HG22	1:23:A:VAL:H	2	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1297)	1:22:A:VAL:HG23	1:23:A:VAL:H	2	0.31
(1,1292)	1:13:A:VAL:HG11	1:103:A:GLU:HG2	5	0.31
(1,1292)	1:13:A:VAL:HG12	1:103:A:GLU:HG2	5	0.31
(1,1292)	1:13:A:VAL:HG13	1:103:A:GLU:HG2	5	0.31
(1,1286)	1:13:A:VAL:HG11	1:103:A:GLU:H	14	0.31
(1,1286)	1:13:A:VAL:HG12	1:103:A:GLU:H	14	0.31
(1,1286)	1:13:A:VAL:HG13	1:103:A:GLU:H	14	0.31
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG21	14	0.31
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG22	14	0.31
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG23	14	0.31
(1,1274)	1:21:A:GLU:HB2	1:51:A:VAL:HG11	9	0.31
(1,1274)	1:21:A:GLU:HB2	1:51:A:VAL:HG12	9	0.31
(1,1274)	1:21:A:GLU:HB2	1:51:A:VAL:HG13	9	0.31
(1,1274)	1:21:A:GLU:HB3	1:51:A:VAL:HG11	9	0.31
(1,1274)	1:21:A:GLU:HB3	1:51:A:VAL:HG12	9	0.31
(1,1274)	1:21:A:GLU:HB3	1:51:A:VAL:HG13	9	0.31
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG21	3	0.31
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG22	3	0.31
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG23	3	0.31
(1,1261)	1:60:A:VAL:HG11	1:61:A:VAL:H	17	0.31
(1,1261)	1:60:A:VAL:HG12	1:61:A:VAL:H	17	0.31
(1,1261)	1:60:A:VAL:HG13	1:61:A:VAL:H	17	0.31
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB1	10	0.31
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB2	10	0.31
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB3	10	0.31
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB1	20	0.31
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB2	20	0.31
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB3	20	0.31
(1,1055)	1:26:A:LEU:HD11	1:29:A:LYS:H	16	0.31
(1,1055)	1:26:A:LEU:HD12	1:29:A:LYS:H	16	0.31
(1,1055)	1:26:A:LEU:HD13	1:29:A:LYS:H	16	0.31
(1,1052)	1:58:A:ARG:HB3	1:97:A:VAL:HG21	11	0.31
(1,1052)	1:58:A:ARG:HB3	1:97:A:VAL:HG22	11	0.31
(1,1052)	1:58:A:ARG:HB3	1:97:A:VAL:HG23	11	0.31
(1,966)	1:64:A:GLY:HA2	1:105:A:LEU:HD21	2	0.31
(1,966)	1:64:A:GLY:HA2	1:105:A:LEU:HD22	2	0.31
(1,966)	1:64:A:GLY:HA2	1:105:A:LEU:HD23	2	0.31
(1,932)	1:105:A:LEU:HD11	1:106:A:GLU:HA	16	0.31
(1,932)	1:105:A:LEU:HD12	1:106:A:GLU:HA	16	0.31
(1,932)	1:105:A:LEU:HD13	1:106:A:GLU:HA	16	0.31
(1,867)	1:57:A:PRO:HA	1:58:A:ARG:HG3	11	0.31
(1,838)	1:78:A:PHE:HZ	1:91:A:PRO:HG2	8	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,826)	1:7:A:PHE:HE1	1:111:A:ILE:HG12	12	0.31
(1,811)	1:6:A:LEU:HG	1:7:A:PHE:HD1	13	0.31
(1,782)	1:47:A:THR:HB	1:48:A:PRO:HG3	17	0.31
(1,690)	1:63:A:ILE:HG12	1:64:A:GLY:H	11	0.31
(1,589)	1:18:A:GLU:HG3	1:23:A:VAL:HB	11	0.31
(1,556)	1:54:A:MET:HG2	1:96:A:ASN:HB2	16	0.31
(1,556)	1:54:A:MET:HG3	1:96:A:ASN:HB2	16	0.31
(1,495)	1:29:A:LYS:HB3	1:49:A:VAL:HG11	2	0.31
(1,495)	1:29:A:LYS:HB3	1:49:A:VAL:HG12	2	0.31
(1,495)	1:29:A:LYS:HB3	1:49:A:VAL:HG13	2	0.31
(1,464)	1:57:A:PRO:HA	1:58:A:ARG:HB3	2	0.31
(1,399)	1:21:A:GLU:HG2	1:51:A:VAL:HG11	14	0.31
(1,399)	1:21:A:GLU:HG2	1:51:A:VAL:HG12	14	0.31
(1,399)	1:21:A:GLU:HG2	1:51:A:VAL:HG13	14	0.31
(1,379)	1:25:A:LEU:HA	1:28:A:GLU:HG2	2	0.31
(1,281)	1:112:A:LYS:HB2	1:115:A:GLU:HG2	17	0.31
(1,251)	1:17:A:ASN:HA	1:18:A:GLU:HG2	2	0.31
(1,173)	1:65:A:ASP:HB2	1:97:A:VAL:HG21	2	0.31
(1,173)	1:65:A:ASP:HB2	1:97:A:VAL:HG22	2	0.31
(1,173)	1:65:A:ASP:HB2	1:97:A:VAL:HG23	2	0.31
(1,142)	1:11:A:LYS:HG3	1:11:A:LYS:HE2	17	0.31
(1,142)	1:11:A:LYS:HG3	1:11:A:LYS:HE3	17	0.31
(1,2910)	1:39:A:TRP:HZ2	1:84:A:MET:HB3	5	0.3
(1,2910)	1:39:A:TRP:HZ2	1:84:A:MET:HB3	20	0.3
(1,2719)	1:60:A:VAL:HG21	1:90:A:GLN:HE22	6	0.3
(1,2719)	1:60:A:VAL:HG22	1:90:A:GLN:HE22	6	0.3
(1,2719)	1:60:A:VAL:HG23	1:90:A:GLN:HE22	6	0.3
(1,2539)	1:111:A:ILE:H	1:111:A:ILE:HG13	12	0.3
(1,2514)	1:60:A:VAL:H	1:61:A:VAL:HG21	3	0.3
(1,2514)	1:60:A:VAL:H	1:61:A:VAL:HG22	3	0.3
(1,2514)	1:60:A:VAL:H	1:61:A:VAL:HG23	3	0.3
(1,2357)	1:121:A:PHE:H	1:121:A:PHE:HB3	10	0.3
(1,2357)	1:121:A:PHE:H	1:121:A:PHE:HB3	12	0.3
(1,2357)	1:121:A:PHE:H	1:121:A:PHE:HB3	15	0.3
(1,2297)	1:62:A:GLU:HB3	1:65:A:ASP:H	2	0.3
(1,2226)	1:86:A:ASP:H	1:86:A:ASP:HB3	17	0.3
(1,2213)	1:16:A:LEU:H	1:16:A:LEU:HB3	4	0.3
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG21	15	0.3
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG22	15	0.3
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG23	15	0.3
(1,2146)	1:54:A:MET:H	1:54:A:MET:HB2	3	0.3
(1,2016)	1:54:A:MET:HB3	1:96:A:ASN:HA	8	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2015)	1:96:A:ASN:HA	1:97:A:VAL:HG21	4	0.3
(1,2015)	1:96:A:ASN:HA	1:97:A:VAL:HG22	4	0.3
(1,2015)	1:96:A:ASN:HA	1:97:A:VAL:HG23	4	0.3
(1,1991)	1:69:A:TRP:H	1:70:A:PRO:HD2	8	0.3
(1,1691)	1:28:A:GLU:HA	1:28:A:GLU:HG3	3	0.3
(1,1617)	1:43:A:ILE:HG21	1:108:A:LEU:HD21	13	0.3
(1,1617)	1:43:A:ILE:HG21	1:108:A:LEU:HD22	13	0.3
(1,1617)	1:43:A:ILE:HG21	1:108:A:LEU:HD23	13	0.3
(1,1617)	1:43:A:ILE:HG22	1:108:A:LEU:HD21	13	0.3
(1,1617)	1:43:A:ILE:HG22	1:108:A:LEU:HD22	13	0.3
(1,1617)	1:43:A:ILE:HG22	1:108:A:LEU:HD23	13	0.3
(1,1617)	1:43:A:ILE:HG23	1:108:A:LEU:HD21	13	0.3
(1,1617)	1:43:A:ILE:HG23	1:108:A:LEU:HD22	13	0.3
(1,1617)	1:43:A:ILE:HG23	1:108:A:LEU:HD23	13	0.3
(1,1295)	1:22:A:VAL:HG21	1:24:A:LYS:H	16	0.3
(1,1295)	1:22:A:VAL:HG22	1:24:A:LYS:H	16	0.3
(1,1295)	1:22:A:VAL:HG23	1:24:A:LYS:H	16	0.3
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG21	6	0.3
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG22	6	0.3
(1,1294)	1:22:A:VAL:H	1:22:A:VAL:HG23	6	0.3
(1,1286)	1:13:A:VAL:HG11	1:103:A:GLU:H	1	0.3
(1,1286)	1:13:A:VAL:HG12	1:103:A:GLU:H	1	0.3
(1,1286)	1:13:A:VAL:HG13	1:103:A:GLU:H	1	0.3
(1,1217)	1:25:A:LEU:HD21	1:29:A:LYS:HE2	2	0.3
(1,1217)	1:25:A:LEU:HD21	1:29:A:LYS:HE3	2	0.3
(1,1217)	1:25:A:LEU:HD22	1:29:A:LYS:HE2	2	0.3
(1,1217)	1:25:A:LEU:HD22	1:29:A:LYS:HE3	2	0.3
(1,1217)	1:25:A:LEU:HD23	1:29:A:LYS:HE2	2	0.3
(1,1217)	1:25:A:LEU:HD23	1:29:A:LYS:HE3	2	0.3
(1,1010)	1:6:A:LEU:HD11	1:117:A:VAL:HG21	2	0.3
(1,1010)	1:6:A:LEU:HD11	1:117:A:VAL:HG22	2	0.3
(1,1010)	1:6:A:LEU:HD11	1:117:A:VAL:HG23	2	0.3
(1,1010)	1:6:A:LEU:HD12	1:117:A:VAL:HG21	2	0.3
(1,1010)	1:6:A:LEU:HD12	1:117:A:VAL:HG22	2	0.3
(1,1010)	1:6:A:LEU:HD12	1:117:A:VAL:HG23	2	0.3
(1,1010)	1:6:A:LEU:HD13	1:117:A:VAL:HG21	2	0.3
(1,1010)	1:6:A:LEU:HD13	1:117:A:VAL:HG22	2	0.3
(1,1010)	1:6:A:LEU:HD13	1:117:A:VAL:HG23	2	0.3
(1,1010)	1:6:A:LEU:HD21	1:117:A:VAL:HG21	2	0.3
(1,1010)	1:6:A:LEU:HD21	1:117:A:VAL:HG22	2	0.3
(1,1010)	1:6:A:LEU:HD21	1:117:A:VAL:HG23	2	0.3
(1,1010)	1:6:A:LEU:HD22	1:117:A:VAL:HG21	2	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1010)	1:6:A:LEU:HD22	1:117:A:VAL:HG22	2	0.3
(1,1010)	1:6:A:LEU:HD22	1:117:A:VAL:HG23	2	0.3
(1,1010)	1:6:A:LEU:HD23	1:117:A:VAL:HG21	2	0.3
(1,1010)	1:6:A:LEU:HD23	1:117:A:VAL:HG22	2	0.3
(1,1010)	1:6:A:LEU:HD23	1:117:A:VAL:HG23	2	0.3
(1,963)	1:79:A:PHE:HA	1:105:A:LEU:HD21	1	0.3
(1,963)	1:79:A:PHE:HA	1:105:A:LEU:HD22	1	0.3
(1,963)	1:79:A:PHE:HA	1:105:A:LEU:HD23	1	0.3
(1,954)	1:23:A:VAL:H	1:24:A:LYS:HG2	4	0.3
(1,947)	1:1:A:MET:HG2	1:16:A:LEU:HD11	5	0.3
(1,947)	1:1:A:MET:HG2	1:16:A:LEU:HD12	5	0.3
(1,947)	1:1:A:MET:HG2	1:16:A:LEU:HD13	5	0.3
(1,937)	1:77:A:LEU:HD21	1:78:A:PHE:H	6	0.3
(1,937)	1:77:A:LEU:HD22	1:78:A:PHE:H	6	0.3
(1,937)	1:77:A:LEU:HD23	1:78:A:PHE:H	6	0.3
(1,867)	1:57:A:PRO:HA	1:58:A:ARG:HG3	1	0.3
(1,867)	1:57:A:PRO:HA	1:58:A:ARG:HG3	8	0.3
(1,854)	1:61:A:VAL:HG21	1:91:A:PRO:HG2	11	0.3
(1,854)	1:61:A:VAL:HG22	1:91:A:PRO:HG2	11	0.3
(1,854)	1:61:A:VAL:HG23	1:91:A:PRO:HG2	11	0.3
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG21	7	0.3
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG22	7	0.3
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG23	7	0.3
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG21	7	0.3
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG22	7	0.3
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG23	7	0.3
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG21	7	0.3
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG22	7	0.3
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG23	7	0.3
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG11	7	0.3
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG12	7	0.3
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG13	7	0.3
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG11	7	0.3
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG12	7	0.3
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG13	7	0.3
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG11	7	0.3
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG12	7	0.3
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG13	7	0.3
(1,811)	1:6:A:LEU:HG	1:7:A:PHE:HD1	18	0.3
(1,794)	1:77:A:LEU:HD11	1:108:A:LEU:HD11	7	0.3
(1,794)	1:77:A:LEU:HD11	1:108:A:LEU:HD12	7	0.3
(1,794)	1:77:A:LEU:HD11	1:108:A:LEU:HD13	7	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,794)	1:77:A:LEU:HD12	1:108:A:LEU:HD11	7	0.3
(1,794)	1:77:A:LEU:HD12	1:108:A:LEU:HD12	7	0.3
(1,794)	1:77:A:LEU:HD12	1:108:A:LEU:HD13	7	0.3
(1,794)	1:77:A:LEU:HD13	1:108:A:LEU:HD11	7	0.3
(1,794)	1:77:A:LEU:HD13	1:108:A:LEU:HD12	7	0.3
(1,794)	1:77:A:LEU:HD13	1:108:A:LEU:HD13	7	0.3
(1,782)	1:47:A:THR:HB	1:48:A:PRO:HG3	8	0.3
(1,782)	1:47:A:THR:HB	1:48:A:PRO:HG3	9	0.3
(1,691)	1:62:A:GLU:HA	1:63:A:ILE:HG12	1	0.3
(1,681)	1:63:A:ILE:HG13	1:79:A:PHE:HA	12	0.3
(1,653)	1:30:A:ILE:HG13	1:32:A:PHE:H	3	0.3
(1,547)	1:62:A:GLU:H	1:62:A:GLU:HB3	3	0.3
(1,533)	1:61:A:VAL:HG21	1:91:A:PRO:HB2	19	0.3
(1,533)	1:61:A:VAL:HG22	1:91:A:PRO:HB2	19	0.3
(1,533)	1:61:A:VAL:HG23	1:91:A:PRO:HB2	19	0.3
(1,247)	1:56:A:ASN:HB2	1:96:A:ASN:HA	8	0.3
(1,246)	1:7:A:PHE:HB2	1:115:A:GLU:HB3	15	0.3
(1,221)	1:54:A:MET:HB3	1:96:A:ASN:HB2	13	0.3
(1,157)	1:112:A:LYS:HA	1:113:A:ASP:HB3	19	0.3
(1,122)	1:112:A:LYS:HG2	1:112:A:LYS:HE2	16	0.3
(1,53)	1:72:A:GLY:HA2	1:74:A:ALA:H	5	0.3
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA2	6	0.3
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA3	6	0.3
(1,2780)	1:61:A:VAL:HG11	1:78:A:PHE:HD1	19	0.29
(1,2780)	1:61:A:VAL:HG11	1:78:A:PHE:HD2	19	0.29
(1,2780)	1:61:A:VAL:HG12	1:78:A:PHE:HD1	19	0.29
(1,2780)	1:61:A:VAL:HG12	1:78:A:PHE:HD2	19	0.29
(1,2780)	1:61:A:VAL:HG13	1:78:A:PHE:HD1	19	0.29
(1,2780)	1:61:A:VAL:HG13	1:78:A:PHE:HD2	19	0.29
(1,2581)	1:54:A:MET:HB3	1:56:A:ASN:H	10	0.29
(1,2539)	1:111:A:ILE:H	1:111:A:ILE:HG13	2	0.29
(1,2522)	1:24:A:LYS:HB3	1:25:A:LEU:H	14	0.29
(1,2511)	1:58:A:ARG:HB2	1:60:A:VAL:H	10	0.29
(1,2458)	1:88:A:LYS:H	1:88:A:LYS:HB2	8	0.29
(1,2402)	1:58:A:ARG:HB2	1:59:A:GLU:H	8	0.29
(1,2357)	1:121:A:PHE:H	1:121:A:PHE:HB3	1	0.29
(1,2357)	1:121:A:PHE:H	1:121:A:PHE:HB3	14	0.29
(1,2246)	1:58:A:ARG:H	1:95:A:VAL:HG21	19	0.29
(1,2246)	1:58:A:ARG:H	1:95:A:VAL:HG22	19	0.29
(1,2246)	1:58:A:ARG:H	1:95:A:VAL:HG23	19	0.29
(1,2213)	1:16:A:LEU:H	1:16:A:LEU:HB3	5	0.29
(1,2181)	1:55:A:GLU:H	1:96:A:ASN:HD21	12	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2141)	1:7:A:PHE:H	1:7:A:PHE:HB3	8	0.29
(1,2141)	1:7:A:PHE:H	1:7:A:PHE:HB3	11	0.29
(1,2041)	1:54:A:MET:HB3	1:57:A:PRO:HD2	19	0.29
(1,2041)	1:54:A:MET:HB3	1:57:A:PRO:HD3	19	0.29
(1,1691)	1:28:A:GLU:HA	1:28:A:GLU:HG3	10	0.29
(1,1636)	1:85:A:SER:HA	1:90:A:GLN:HG2	6	0.29
(1,1572)	1:7:A:PHE:HE2	1:111:A:ILE:HG22	14	0.29
(1,1483)	1:53:A:LYS:HG3	1:55:A:GLU:HA	9	0.29
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG11	8	0.29
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG12	8	0.29
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG13	8	0.29
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG11	8	0.29
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG12	8	0.29
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG13	8	0.29
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG11	8	0.29
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG12	8	0.29
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG13	8	0.29
(1,1392)	1:49:A:VAL:H	1:49:A:VAL:HG11	3	0.29
(1,1392)	1:49:A:VAL:H	1:49:A:VAL:HG12	3	0.29
(1,1392)	1:49:A:VAL:H	1:49:A:VAL:HG13	3	0.29
(1,1392)	1:49:A:VAL:H	1:49:A:VAL:HG11	10	0.29
(1,1392)	1:49:A:VAL:H	1:49:A:VAL:HG12	10	0.29
(1,1392)	1:49:A:VAL:H	1:49:A:VAL:HG13	10	0.29
(1,1381)	1:61:A:VAL:HG21	1:97:A:VAL:HG11	11	0.29
(1,1381)	1:61:A:VAL:HG21	1:97:A:VAL:HG12	11	0.29
(1,1381)	1:61:A:VAL:HG21	1:97:A:VAL:HG13	11	0.29
(1,1381)	1:61:A:VAL:HG22	1:97:A:VAL:HG11	11	0.29
(1,1381)	1:61:A:VAL:HG22	1:97:A:VAL:HG12	11	0.29
(1,1381)	1:61:A:VAL:HG22	1:97:A:VAL:HG13	11	0.29
(1,1381)	1:61:A:VAL:HG23	1:97:A:VAL:HG11	11	0.29
(1,1381)	1:61:A:VAL:HG23	1:97:A:VAL:HG12	11	0.29
(1,1381)	1:61:A:VAL:HG23	1:97:A:VAL:HG13	11	0.29
(1,1378)	1:56:A:ASN:HD22	1:97:A:VAL:HG11	16	0.29
(1,1378)	1:56:A:ASN:HD22	1:97:A:VAL:HG12	16	0.29
(1,1378)	1:56:A:ASN:HD22	1:97:A:VAL:HG13	16	0.29
(1,1304)	1:22:A:VAL:HG21	1:98:A:ILE:HB	1	0.29
(1,1304)	1:22:A:VAL:HG22	1:98:A:ILE:HB	1	0.29
(1,1304)	1:22:A:VAL:HG23	1:98:A:ILE:HB	1	0.29
(1,1292)	1:13:A:VAL:HG11	1:103:A:GLU:HG2	13	0.29
(1,1292)	1:13:A:VAL:HG12	1:103:A:GLU:HG2	13	0.29
(1,1292)	1:13:A:VAL:HG13	1:103:A:GLU:HG2	13	0.29
(1,1270)	1:22:A:VAL:H	1:51:A:VAL:HG11	18	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1270)	1:22:A:VAL:H	1:51:A:VAL:HG12	18	0.29
(1,1270)	1:22:A:VAL:H	1:51:A:VAL:HG13	18	0.29
(1,1201)	1:101:A:ILE:H	1:102:A:VAL:HG11	11	0.29
(1,1201)	1:101:A:ILE:H	1:102:A:VAL:HG12	11	0.29
(1,1201)	1:101:A:ILE:H	1:102:A:VAL:HG13	11	0.29
(1,1055)	1:26:A:LEU:HD11	1:29:A:LYS:H	8	0.29
(1,1055)	1:26:A:LEU:HD12	1:29:A:LYS:H	8	0.29
(1,1055)	1:26:A:LEU:HD13	1:29:A:LYS:H	8	0.29
(1,1032)	1:26:A:LEU:HD11	1:47:A:THR:HB	3	0.29
(1,1032)	1:26:A:LEU:HD12	1:47:A:THR:HB	3	0.29
(1,1032)	1:26:A:LEU:HD13	1:47:A:THR:HB	3	0.29
(1,1024)	1:29:A:LYS:HG3	1:49:A:VAL:HG11	11	0.29
(1,1024)	1:29:A:LYS:HG3	1:49:A:VAL:HG12	11	0.29
(1,1024)	1:29:A:LYS:HG3	1:49:A:VAL:HG13	11	0.29
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD21	15	0.29
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD22	15	0.29
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD23	15	0.29
(1,954)	1:23:A:VAL:H	1:24:A:LYS:HG2	9	0.29
(1,782)	1:47:A:THR:HB	1:48:A:PRO:HG3	4	0.29
(1,653)	1:30:A:ILE:HG13	1:32:A:PHE:H	16	0.29
(1,599)	1:12:A:CYS:HB2	1:13:A:VAL:H	18	0.29
(1,464)	1:57:A:PRO:HA	1:58:A:ARG:HB3	7	0.29
(1,399)	1:21:A:GLU:HG2	1:51:A:VAL:HG11	7	0.29
(1,399)	1:21:A:GLU:HG2	1:51:A:VAL:HG12	7	0.29
(1,399)	1:21:A:GLU:HG2	1:51:A:VAL:HG13	7	0.29
(1,386)	1:61:A:VAL:HG11	1:62:A:GLU:HG2	11	0.29
(1,386)	1:61:A:VAL:HG12	1:62:A:GLU:HG2	11	0.29
(1,386)	1:61:A:VAL:HG13	1:62:A:GLU:HG2	11	0.29
(1,379)	1:25:A:LEU:HA	1:28:A:GLU:HG2	17	0.29
(1,261)	1:3:A:VAL:HA	1:121:A:PHE:HB2	9	0.29
(1,175)	1:65:A:ASP:HB2	1:97:A:VAL:HA	15	0.29
(1,175)	1:65:A:ASP:HB2	1:97:A:VAL:HA	19	0.29
(1,134)	1:109:A:LYS:HG2	1:109:A:LYS:HE3	3	0.29
(1,122)	1:112:A:LYS:HG2	1:112:A:LYS:HE2	11	0.29
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG21	19	0.29
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG22	19	0.29
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG23	19	0.29
(1,53)	1:72:A:GLY:HA2	1:74:A:ALA:H	2	0.29
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA2	17	0.29
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA3	17	0.29
(1,2718)	1:59:A:GLU:HB2	1:90:A:GLN:HE22	3	0.28
(1,2539)	1:111:A:ILE:H	1:111:A:ILE:HG13	18	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2458)	1:88:A:LYS:H	1:88:A:LYS:HB2	3	0.28
(1,2458)	1:88:A:LYS:H	1:88:A:LYS:HB2	9	0.28
(1,2458)	1:88:A:LYS:H	1:88:A:LYS:HB2	19	0.28
(1,2403)	1:59:A:GLU:H	1:59:A:GLU:HB3	20	0.28
(1,2357)	1:121:A:PHE:H	1:121:A:PHE:HB3	2	0.28
(1,2246)	1:58:A:ARG:H	1:95:A:VAL:HG21	12	0.28
(1,2246)	1:58:A:ARG:H	1:95:A:VAL:HG22	12	0.28
(1,2246)	1:58:A:ARG:H	1:95:A:VAL:HG23	12	0.28
(1,2213)	1:16:A:LEU:H	1:16:A:LEU:HB3	19	0.28
(1,2181)	1:55:A:GLU:H	1:96:A:ASN:HD21	17	0.28
(1,2146)	1:54:A:MET:H	1:54:A:MET:HB2	10	0.28
(1,2141)	1:7:A:PHE:H	1:7:A:PHE:HB3	5	0.28
(1,2119)	1:50:A:ASN:H	1:50:A:ASN:HB2	12	0.28
(1,1919)	1:6:A:LEU:HA	1:7:A:PHE:HB3	6	0.28
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD11	8	0.28
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD12	8	0.28
(1,1861)	1:16:A:LEU:HB2	1:98:A:ILE:HD13	8	0.28
(1,1738)	1:7:A:PHE:HE2	1:43:A:ILE:HD12	10	0.28
(1,1713)	1:61:A:VAL:HG11	1:78:A:PHE:HB2	19	0.28
(1,1713)	1:61:A:VAL:HG12	1:78:A:PHE:HB2	19	0.28
(1,1713)	1:61:A:VAL:HG13	1:78:A:PHE:HB2	19	0.28
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG11	12	0.28
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG12	12	0.28
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG13	12	0.28
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG11	12	0.28
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG12	12	0.28
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG13	12	0.28
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG11	12	0.28
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG12	12	0.28
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG13	12	0.28
(1,1435)	1:118:A:ALA:HB1	1:120:A:ARG:HG3	1	0.28
(1,1435)	1:118:A:ALA:HB2	1:120:A:ARG:HG3	1	0.28
(1,1435)	1:118:A:ALA:HB3	1:120:A:ARG:HG3	1	0.28
(1,1330)	1:35:A:VAL:HG21	1:116:A:LYS:HE3	8	0.28
(1,1330)	1:35:A:VAL:HG22	1:116:A:LYS:HE3	8	0.28
(1,1330)	1:35:A:VAL:HG23	1:116:A:LYS:HE3	8	0.28
(1,1280)	1:32:A:PHE:HA	1:119:A:VAL:HG21	12	0.28
(1,1280)	1:32:A:PHE:HA	1:119:A:VAL:HG22	12	0.28
(1,1280)	1:32:A:PHE:HA	1:119:A:VAL:HG23	12	0.28
(1,1274)	1:21:A:GLU:HB2	1:51:A:VAL:HG11	13	0.28
(1,1274)	1:21:A:GLU:HB2	1:51:A:VAL:HG12	13	0.28
(1,1274)	1:21:A:GLU:HB2	1:51:A:VAL:HG13	13	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1274)	1:21:A:GLU:HB3	1:51:A:VAL:HG11	13	0.28
(1,1274)	1:21:A:GLU:HB3	1:51:A:VAL:HG12	13	0.28
(1,1274)	1:21:A:GLU:HB3	1:51:A:VAL:HG13	13	0.28
(1,1206)	1:102:A:VAL:HA	1:102:A:VAL:HG11	10	0.28
(1,1206)	1:102:A:VAL:HA	1:102:A:VAL:HG12	10	0.28
(1,1206)	1:102:A:VAL:HA	1:102:A:VAL:HG13	10	0.28
(1,1206)	1:102:A:VAL:HA	1:102:A:VAL:HG11	11	0.28
(1,1206)	1:102:A:VAL:HA	1:102:A:VAL:HG12	11	0.28
(1,1206)	1:102:A:VAL:HA	1:102:A:VAL:HG13	11	0.28
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG21	18	0.28
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG22	18	0.28
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG23	18	0.28
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG21	18	0.28
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG22	18	0.28
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG23	18	0.28
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG21	18	0.28
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG22	18	0.28
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG23	18	0.28
(1,1137)	1:49:A:VAL:HG21	1:51:A:VAL:H	2	0.28
(1,1137)	1:49:A:VAL:HG22	1:51:A:VAL:H	2	0.28
(1,1137)	1:49:A:VAL:HG23	1:51:A:VAL:H	2	0.28
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG11	4	0.28
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG12	4	0.28
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG13	4	0.28
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG11	4	0.28
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG12	4	0.28
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG13	4	0.28
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG11	4	0.28
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG12	4	0.28
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG13	4	0.28
(1,1031)	1:26:A:LEU:HD11	1:32:A:PHE:HZ	2	0.28
(1,1031)	1:26:A:LEU:HD12	1:32:A:PHE:HZ	2	0.28
(1,1031)	1:26:A:LEU:HD13	1:32:A:PHE:HZ	2	0.28
(1,990)	1:75:A:LEU:HA	1:75:A:LEU:HD21	5	0.28
(1,990)	1:75:A:LEU:HA	1:75:A:LEU:HD22	5	0.28
(1,990)	1:75:A:LEU:HA	1:75:A:LEU:HD23	5	0.28
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD21	2	0.28
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD22	2	0.28
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD23	2	0.28
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD21	13	0.28
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD22	13	0.28
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD23	13	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD21	13	0.28
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD22	13	0.28
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD23	13	0.28
(1,954)	1:23:A:VAL:H	1:24:A:LYS:HG2	19	0.28
(1,947)	1:1:A:MET:HG2	1:16:A:LEU:HD11	10	0.28
(1,947)	1:1:A:MET:HG2	1:16:A:LEU:HD12	10	0.28
(1,947)	1:1:A:MET:HG2	1:16:A:LEU:HD13	10	0.28
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD21	19	0.28
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD22	19	0.28
(1,920)	1:22:A:VAL:HG11	1:26:A:LEU:HD23	19	0.28
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD21	19	0.28
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD22	19	0.28
(1,920)	1:22:A:VAL:HG12	1:26:A:LEU:HD23	19	0.28
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD21	19	0.28
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD22	19	0.28
(1,920)	1:22:A:VAL:HG13	1:26:A:LEU:HD23	19	0.28
(1,793)	1:77:A:LEU:HB2	1:108:A:LEU:HD11	1	0.28
(1,793)	1:77:A:LEU:HB2	1:108:A:LEU:HD12	1	0.28
(1,793)	1:77:A:LEU:HB2	1:108:A:LEU:HD13	1	0.28
(1,793)	1:77:A:LEU:HB3	1:108:A:LEU:HD11	1	0.28
(1,793)	1:77:A:LEU:HB3	1:108:A:LEU:HD12	1	0.28
(1,793)	1:77:A:LEU:HB3	1:108:A:LEU:HD13	1	0.28
(1,786)	1:79:A:PHE:HE1	1:108:A:LEU:HD11	8	0.28
(1,786)	1:79:A:PHE:HE1	1:108:A:LEU:HD12	8	0.28
(1,786)	1:79:A:PHE:HE1	1:108:A:LEU:HD13	8	0.28
(1,786)	1:79:A:PHE:HE2	1:108:A:LEU:HD11	8	0.28
(1,786)	1:79:A:PHE:HE2	1:108:A:LEU:HD12	8	0.28
(1,786)	1:79:A:PHE:HE2	1:108:A:LEU:HD13	8	0.28
(1,776)	1:32:A:PHE:HB2	1:48:A:PRO:HG2	17	0.28
(1,776)	1:32:A:PHE:HB3	1:48:A:PRO:HG2	17	0.28
(1,761)	1:5:A:LEU:HD21	1:14:A:ILE:HG13	9	0.28
(1,761)	1:5:A:LEU:HD22	1:14:A:ILE:HG13	9	0.28
(1,761)	1:5:A:LEU:HD23	1:14:A:ILE:HG13	9	0.28
(1,751)	1:5:A:LEU:HD22	1:7:A:PHE:HE2	12	0.28
(1,658)	1:72:A:GLY:HA3	1:73:A:LYS:HD2	4	0.28
(1,658)	1:72:A:GLY:HA3	1:73:A:LYS:HD3	4	0.28
(1,658)	1:72:A:GLY:HA3	1:73:A:LYS:HD2	20	0.28
(1,658)	1:72:A:GLY:HA3	1:73:A:LYS:HD3	20	0.28
(1,648)	1:70:A:PRO:HB3	1:71:A:PRO:HD3	10	0.28
(1,632)	1:58:A:ARG:HG2	1:97:A:VAL:HB	19	0.28
(1,599)	1:12:A:CYS:HB2	1:13:A:VAL:H	16	0.28
(1,598)	1:12:A:CYS:HB2	1:101:A:ILE:HG21	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,598)	1:12:A:CYS:HB2	1:101:A:ILE:HG22	6	0.28
(1,598)	1:12:A:CYS:HB2	1:101:A:ILE:HG23	6	0.28
(1,452)	1:103:A:GLU:HB3	1:103:A:GLU:HG3	11	0.28
(1,379)	1:25:A:LEU:HA	1:28:A:GLU:HG2	19	0.28
(1,376)	1:25:A:LEU:HD21	1:28:A:GLU:HG2	9	0.28
(1,376)	1:25:A:LEU:HD22	1:28:A:GLU:HG2	9	0.28
(1,376)	1:25:A:LEU:HD23	1:28:A:GLU:HG2	9	0.28
(1,236)	1:78:A:PHE:HB2	1:89:A:ILE:HG21	5	0.28
(1,236)	1:78:A:PHE:HB2	1:89:A:ILE:HG22	5	0.28
(1,236)	1:78:A:PHE:HB2	1:89:A:ILE:HG23	5	0.28
(1,158)	1:62:A:GLU:HB3	1:65:A:ASP:HB2	1	0.28
(1,158)	1:62:A:GLU:HB3	1:65:A:ASP:HB2	14	0.28
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA2	16	0.28
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA3	16	0.28
(1,2797)	1:27:A:LYS:HG3	1:121:A:PHE:HE1	11	0.27
(1,2797)	1:27:A:LYS:HG3	1:121:A:PHE:HE2	11	0.27
(1,2769)	1:79:A:PHE:HD1	1:109:A:LYS:HE3	19	0.27
(1,2769)	1:79:A:PHE:HD2	1:109:A:LYS:HE3	19	0.27
(1,2613)	1:109:A:LYS:H	1:109:A:LYS:HE3	19	0.27
(1,2581)	1:54:A:MET:HB3	1:56:A:ASN:H	12	0.27
(1,2403)	1:59:A:GLU:H	1:59:A:GLU:HB3	4	0.27
(1,2403)	1:59:A:GLU:H	1:59:A:GLU:HB3	9	0.27
(1,2402)	1:58:A:ARG:HB2	1:59:A:GLU:H	10	0.27
(1,2379)	1:68:A:TYR:H	1:96:A:ASN:HB3	8	0.27
(1,2361)	1:7:A:PHE:HB2	1:8:A:GLU:H	10	0.27
(1,2361)	1:7:A:PHE:HB2	1:8:A:GLU:H	20	0.27
(1,2357)	1:121:A:PHE:H	1:121:A:PHE:HB3	5	0.27
(1,2357)	1:121:A:PHE:H	1:121:A:PHE:HB3	7	0.27
(1,2213)	1:16:A:LEU:H	1:16:A:LEU:HB3	8	0.27
(1,2213)	1:16:A:LEU:H	1:16:A:LEU:HB3	10	0.27
(1,2213)	1:16:A:LEU:H	1:16:A:LEU:HB3	11	0.27
(1,2016)	1:54:A:MET:HB3	1:96:A:ASN:HA	14	0.27
(1,1991)	1:69:A:TRP:H	1:70:A:PRO:HD2	5	0.27
(1,1981)	1:37:A:ASN:HA	1:113:A:ASP:HB2	10	0.27
(1,1937)	1:31:A:PRO:HB2	1:120:A:ARG:HA	4	0.27
(1,1919)	1:6:A:LEU:HA	1:7:A:PHE:HB3	8	0.27
(1,1759)	1:2:A:ARG:HA	1:15:A:ASP:HB3	2	0.27
(1,1587)	1:101:A:ILE:HG21	1:105:A:LEU:HB3	8	0.27
(1,1587)	1:101:A:ILE:HG22	1:105:A:LEU:HB3	8	0.27
(1,1587)	1:101:A:ILE:HG23	1:105:A:LEU:HB3	8	0.27
(1,1468)	1:2:A:ARG:HD2	1:122:A:ALA:HB1	11	0.27
(1,1468)	1:2:A:ARG:HD2	1:122:A:ALA:HB2	11	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1468)	1:2:A:ARG:HD2	1:122:A:ALA:HB3	11	0.27
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG11	1	0.27
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG12	1	0.27
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG13	1	0.27
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG11	1	0.27
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG12	1	0.27
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG13	1	0.27
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG11	1	0.27
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG12	1	0.27
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG13	1	0.27
(1,1376)	1:66:A:VAL:HG11	1:67:A:GLY:HA3	12	0.27
(1,1376)	1:66:A:VAL:HG12	1:67:A:GLY:HA3	12	0.27
(1,1376)	1:66:A:VAL:HG13	1:67:A:GLY:HA3	12	0.27
(1,1297)	1:22:A:VAL:HG21	1:23:A:VAL:H	10	0.27
(1,1297)	1:22:A:VAL:HG22	1:23:A:VAL:H	10	0.27
(1,1297)	1:22:A:VAL:HG23	1:23:A:VAL:H	10	0.27
(1,1292)	1:13:A:VAL:HG11	1:103:A:GLU:HG2	20	0.27
(1,1292)	1:13:A:VAL:HG12	1:103:A:GLU:HG2	20	0.27
(1,1292)	1:13:A:VAL:HG13	1:103:A:GLU:HG2	20	0.27
(1,1280)	1:32:A:PHE:HA	1:119:A:VAL:HG21	14	0.27
(1,1280)	1:32:A:PHE:HA	1:119:A:VAL:HG22	14	0.27
(1,1280)	1:32:A:PHE:HA	1:119:A:VAL:HG23	14	0.27
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG21	1	0.27
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG22	1	0.27
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG23	1	0.27
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG21	18	0.27
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG22	18	0.27
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG23	18	0.27
(1,1261)	1:60:A:VAL:HG11	1:61:A:VAL:H	13	0.27
(1,1261)	1:60:A:VAL:HG12	1:61:A:VAL:H	13	0.27
(1,1261)	1:60:A:VAL:HG13	1:61:A:VAL:H	13	0.27
(1,1261)	1:60:A:VAL:HG11	1:61:A:VAL:H	19	0.27
(1,1261)	1:60:A:VAL:HG12	1:61:A:VAL:H	19	0.27
(1,1261)	1:60:A:VAL:HG13	1:61:A:VAL:H	19	0.27
(1,1240)	1:77:A:LEU:HD11	1:108:A:LEU:HD21	16	0.27
(1,1240)	1:77:A:LEU:HD11	1:108:A:LEU:HD22	16	0.27
(1,1240)	1:77:A:LEU:HD11	1:108:A:LEU:HD23	16	0.27
(1,1240)	1:77:A:LEU:HD12	1:108:A:LEU:HD21	16	0.27
(1,1240)	1:77:A:LEU:HD12	1:108:A:LEU:HD22	16	0.27
(1,1240)	1:77:A:LEU:HD12	1:108:A:LEU:HD23	16	0.27
(1,1240)	1:77:A:LEU:HD13	1:108:A:LEU:HD21	16	0.27
(1,1240)	1:77:A:LEU:HD13	1:108:A:LEU:HD22	16	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1240)	1:77:A:LEU:HD13	1:108:A:LEU:HD23	16	0.27
(1,1031)	1:26:A:LEU:HD11	1:32:A:PHE:HZ	7	0.27
(1,1031)	1:26:A:LEU:HD12	1:32:A:PHE:HZ	7	0.27
(1,1031)	1:26:A:LEU:HD13	1:32:A:PHE:HZ	7	0.27
(1,952)	1:18:A:GLU:HB2	1:24:A:LYS:HG2	7	0.27
(1,909)	1:81:A:LYS:H	1:81:A:LYS:HG2	15	0.27
(1,782)	1:47:A:THR:HB	1:48:A:PRO:HG3	7	0.27
(1,662)	1:52:A:GLN:HB3	1:53:A:LYS:H	10	0.27
(1,622)	1:115:A:GLU:HB3	1:116:A:LYS:H	14	0.27
(1,589)	1:18:A:GLU:HG3	1:23:A:VAL:HB	7	0.27
(1,589)	1:18:A:GLU:HG3	1:23:A:VAL:HB	16	0.27
(1,191)	1:10:A:GLY:HA2	1:107:A:ASP:HB3	15	0.27
(1,191)	1:10:A:GLY:HA3	1:107:A:ASP:HB3	15	0.27
(1,186)	1:107:A:ASP:HB3	1:111:A:ILE:HD11	11	0.27
(1,186)	1:107:A:ASP:HB3	1:111:A:ILE:HD12	11	0.27
(1,186)	1:107:A:ASP:HB3	1:111:A:ILE:HD13	11	0.27
(1,38)	1:10:A:GLY:HA2	1:11:A:LYS:HG3	13	0.27
(1,38)	1:10:A:GLY:HA3	1:11:A:LYS:HG3	13	0.27
(1,2909)	1:39:A:TRP:HZ2	1:84:A:MET:HG3	18	0.26
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG11	3	0.26
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG12	3	0.26
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG13	3	0.26
(1,2845)	1:76:A:CYS:HB3	1:78:A:PHE:HE1	13	0.26
(1,2845)	1:76:A:CYS:HB3	1:78:A:PHE:HE2	13	0.26
(1,2581)	1:54:A:MET:HB3	1:56:A:ASN:H	5	0.26
(1,2552)	1:110:A:LYS:H	1:110:A:LYS:HB2	17	0.26
(1,2539)	1:111:A:ILE:H	1:111:A:ILE:HG13	10	0.26
(1,2522)	1:24:A:LYS:HB3	1:25:A:LEU:H	8	0.26
(1,2522)	1:24:A:LYS:HB3	1:25:A:LEU:H	11	0.26
(1,2403)	1:59:A:GLU:H	1:59:A:GLU:HB3	10	0.26
(1,2379)	1:68:A:TYR:H	1:96:A:ASN:HB3	16	0.26
(1,2141)	1:7:A:PHE:H	1:7:A:PHE:HB3	20	0.26
(1,1931)	1:81:A:LYS:HG2	1:89:A:ILE:HD11	11	0.26
(1,1931)	1:81:A:LYS:HG2	1:89:A:ILE:HD12	11	0.26
(1,1931)	1:81:A:LYS:HG2	1:89:A:ILE:HD13	11	0.26
(1,1895)	1:27:A:LYS:HG3	1:30:A:ILE:HD11	3	0.26
(1,1895)	1:27:A:LYS:HG3	1:30:A:ILE:HD12	3	0.26
(1,1895)	1:27:A:LYS:HG3	1:30:A:ILE:HD13	3	0.26
(1,1713)	1:61:A:VAL:HG11	1:78:A:PHE:HB2	7	0.26
(1,1713)	1:61:A:VAL:HG12	1:78:A:PHE:HB2	7	0.26
(1,1713)	1:61:A:VAL:HG13	1:78:A:PHE:HB2	7	0.26
(1,1691)	1:28:A:GLU:HA	1:28:A:GLU:HG3	17	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1691)	1:28:A:GLU:HA	1:28:A:GLU:HG3	18	0.26
(1,1445)	1:27:A:LYS:HA	1:27:A:LYS:HG3	12	0.26
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG11	10	0.26
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG12	10	0.26
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG13	10	0.26
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG11	10	0.26
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG12	10	0.26
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG13	10	0.26
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG11	10	0.26
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG12	10	0.26
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG13	10	0.26
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG11	15	0.26
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG12	15	0.26
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG13	15	0.26
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG11	15	0.26
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG12	15	0.26
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG13	15	0.26
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG11	15	0.26
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG12	15	0.26
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG13	15	0.26
(1,1395)	1:26:A:LEU:HA	1:49:A:VAL:HG11	16	0.26
(1,1395)	1:26:A:LEU:HA	1:49:A:VAL:HG12	16	0.26
(1,1395)	1:26:A:LEU:HA	1:49:A:VAL:HG13	16	0.26
(1,1293)	1:13:A:VAL:HG11	1:103:A:GLU:HB3	11	0.26
(1,1293)	1:13:A:VAL:HG12	1:103:A:GLU:HB3	11	0.26
(1,1293)	1:13:A:VAL:HG13	1:103:A:GLU:HB3	11	0.26
(1,1280)	1:32:A:PHE:HA	1:119:A:VAL:HG21	18	0.26
(1,1280)	1:32:A:PHE:HA	1:119:A:VAL:HG22	18	0.26
(1,1280)	1:32:A:PHE:HA	1:119:A:VAL:HG23	18	0.26
(1,1261)	1:60:A:VAL:HG11	1:61:A:VAL:H	14	0.26
(1,1261)	1:60:A:VAL:HG12	1:61:A:VAL:H	14	0.26
(1,1261)	1:60:A:VAL:HG13	1:61:A:VAL:H	14	0.26
(1,1170)	1:15:A:ASP:HB3	1:102:A:VAL:HG11	16	0.26
(1,1170)	1:15:A:ASP:HB3	1:102:A:VAL:HG12	16	0.26
(1,1170)	1:15:A:ASP:HB3	1:102:A:VAL:HG13	16	0.26
(1,1137)	1:49:A:VAL:HG21	1:51:A:VAL:H	7	0.26
(1,1137)	1:49:A:VAL:HG22	1:51:A:VAL:H	7	0.26
(1,1137)	1:49:A:VAL:HG23	1:51:A:VAL:H	7	0.26
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB1	6	0.26
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB2	6	0.26
(1,1131)	1:72:A:GLY:HA2	1:74:A:ALA:HB3	6	0.26
(1,1043)	1:58:A:ARG:H	1:97:A:VAL:HG21	4	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1043)	1:58:A:ARG:H	1:97:A:VAL:HG22	4	0.26
(1,1043)	1:58:A:ARG:H	1:97:A:VAL:HG23	4	0.26
(1,1023)	1:21:A:GLU:HB2	1:53:A:LYS:HG3	20	0.26
(1,1023)	1:21:A:GLU:HB3	1:53:A:LYS:HG3	20	0.26
(1,990)	1:75:A:LEU:HA	1:75:A:LEU:HD21	10	0.26
(1,990)	1:75:A:LEU:HA	1:75:A:LEU:HD22	10	0.26
(1,990)	1:75:A:LEU:HA	1:75:A:LEU:HD23	10	0.26
(1,963)	1:79:A:PHE:HA	1:105:A:LEU:HD21	4	0.26
(1,963)	1:79:A:PHE:HA	1:105:A:LEU:HD22	4	0.26
(1,963)	1:79:A:PHE:HA	1:105:A:LEU:HD23	4	0.26
(1,941)	1:77:A:LEU:HA	1:77:A:LEU:HD21	19	0.26
(1,941)	1:77:A:LEU:HA	1:77:A:LEU:HD22	19	0.26
(1,941)	1:77:A:LEU:HA	1:77:A:LEU:HD23	19	0.26
(1,887)	1:43:A:ILE:HD11	1:77:A:LEU:HD11	7	0.26
(1,887)	1:43:A:ILE:HD11	1:77:A:LEU:HD12	7	0.26
(1,887)	1:43:A:ILE:HD11	1:77:A:LEU:HD13	7	0.26
(1,887)	1:43:A:ILE:HD12	1:77:A:LEU:HD11	7	0.26
(1,887)	1:43:A:ILE:HD12	1:77:A:LEU:HD12	7	0.26
(1,887)	1:43:A:ILE:HD12	1:77:A:LEU:HD13	7	0.26
(1,887)	1:43:A:ILE:HD13	1:77:A:LEU:HD11	7	0.26
(1,887)	1:43:A:ILE:HD13	1:77:A:LEU:HD12	7	0.26
(1,887)	1:43:A:ILE:HD13	1:77:A:LEU:HD13	7	0.26
(1,825)	1:7:A:PHE:HB3	1:111:A:ILE:HG12	8	0.26
(1,688)	1:43:A:ILE:HG12	1:79:A:PHE:HE1	15	0.26
(1,688)	1:43:A:ILE:HG12	1:79:A:PHE:HE2	15	0.26
(1,589)	1:18:A:GLU:HG3	1:23:A:VAL:HB	17	0.26
(1,547)	1:62:A:GLU:H	1:62:A:GLU:HB3	12	0.26
(1,464)	1:57:A:PRO:HA	1:58:A:ARG:HB3	4	0.26
(1,358)	1:54:A:MET:HB3	1:57:A:PRO:HB3	7	0.26
(1,251)	1:17:A:ASN:HA	1:18:A:GLU:HG2	7	0.26
(1,247)	1:56:A:ASN:HB2	1:96:A:ASN:HA	7	0.26
(1,53)	1:72:A:GLY:HA2	1:74:A:ALA:H	9	0.26
(1,38)	1:10:A:GLY:HA2	1:11:A:LYS:HG3	5	0.26
(1,38)	1:10:A:GLY:HA3	1:11:A:LYS:HG3	5	0.26
(1,2887)	1:69:A:TRP:HZ3	1:72:A:GLY:HA2	20	0.25
(1,2843)	1:26:A:LEU:HD11	1:32:A:PHE:HE1	14	0.25
(1,2843)	1:26:A:LEU:HD11	1:32:A:PHE:HE2	14	0.25
(1,2843)	1:26:A:LEU:HD12	1:32:A:PHE:HE1	14	0.25
(1,2843)	1:26:A:LEU:HD12	1:32:A:PHE:HE2	14	0.25
(1,2843)	1:26:A:LEU:HD13	1:32:A:PHE:HE1	14	0.25
(1,2843)	1:26:A:LEU:HD13	1:32:A:PHE:HE2	14	0.25
(1,2539)	1:111:A:ILE:H	1:111:A:ILE:HG13	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2403)	1:59:A:GLU:H	1:59:A:GLU:HB3	14	0.25
(1,2119)	1:50:A:ASN:H	1:50:A:ASN:HB2	19	0.25
(1,2048)	1:48:A:PRO:HD2	1:49:A:VAL:HG11	6	0.25
(1,2048)	1:48:A:PRO:HD2	1:49:A:VAL:HG12	6	0.25
(1,2048)	1:48:A:PRO:HD2	1:49:A:VAL:HG13	6	0.25
(1,1991)	1:69:A:TRP:H	1:70:A:PRO:HD2	3	0.25
(1,1919)	1:6:A:LEU:HA	1:7:A:PHE:HB3	17	0.25
(1,1882)	1:14:A:ILE:HD11	1:119:A:VAL:HG21	18	0.25
(1,1882)	1:14:A:ILE:HD11	1:119:A:VAL:HG22	18	0.25
(1,1882)	1:14:A:ILE:HD11	1:119:A:VAL:HG23	18	0.25
(1,1882)	1:14:A:ILE:HD12	1:119:A:VAL:HG21	18	0.25
(1,1882)	1:14:A:ILE:HD12	1:119:A:VAL:HG22	18	0.25
(1,1882)	1:14:A:ILE:HD12	1:119:A:VAL:HG23	18	0.25
(1,1882)	1:14:A:ILE:HD13	1:119:A:VAL:HG21	18	0.25
(1,1882)	1:14:A:ILE:HD13	1:119:A:VAL:HG22	18	0.25
(1,1882)	1:14:A:ILE:HD13	1:119:A:VAL:HG23	18	0.25
(1,1759)	1:2:A:ARG:HA	1:15:A:ASP:HB3	16	0.25
(1,1753)	1:52:A:GLN:HA	1:70:A:PRO:HB2	18	0.25
(1,1611)	1:7:A:PHE:HE1	1:43:A:ILE:HG21	11	0.25
(1,1516)	1:2:A:ARG:HG3	1:102:A:VAL:HG21	6	0.25
(1,1516)	1:2:A:ARG:HG3	1:102:A:VAL:HG22	6	0.25
(1,1516)	1:2:A:ARG:HG3	1:102:A:VAL:HG23	6	0.25
(1,1445)	1:27:A:LYS:HA	1:27:A:LYS:HG3	9	0.25
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG11	1	0.25
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG12	1	0.25
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG13	1	0.25
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG11	1	0.25
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG12	1	0.25
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG13	1	0.25
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG11	1	0.25
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG12	1	0.25
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG13	1	0.25
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG11	1	0.25
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG12	1	0.25
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG13	1	0.25
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG11	1	0.25
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG12	1	0.25
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG13	1	0.25
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG11	1	0.25
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG12	1	0.25
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG13	1	0.25
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG21	4	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG22	4	0.25
(1,1312)	1:61:A:VAL:HG21	1:97:A:VAL:HG23	4	0.25
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG21	4	0.25
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG22	4	0.25
(1,1312)	1:61:A:VAL:HG22	1:97:A:VAL:HG23	4	0.25
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG21	4	0.25
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG22	4	0.25
(1,1312)	1:61:A:VAL:HG23	1:97:A:VAL:HG23	4	0.25
(1,1268)	1:119:A:VAL:HG21	1:120:A:ARG:HG2	17	0.25
(1,1268)	1:119:A:VAL:HG22	1:120:A:ARG:HG2	17	0.25
(1,1268)	1:119:A:VAL:HG23	1:120:A:ARG:HG2	17	0.25
(1,1206)	1:102:A:VAL:HA	1:102:A:VAL:HG11	8	0.25
(1,1206)	1:102:A:VAL:HA	1:102:A:VAL:HG12	8	0.25
(1,1206)	1:102:A:VAL:HA	1:102:A:VAL:HG13	8	0.25
(1,1206)	1:102:A:VAL:HA	1:102:A:VAL:HG11	16	0.25
(1,1206)	1:102:A:VAL:HA	1:102:A:VAL:HG12	16	0.25
(1,1206)	1:102:A:VAL:HA	1:102:A:VAL:HG13	16	0.25
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG21	3	0.25
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG22	3	0.25
(1,1145)	1:22:A:VAL:HG11	1:49:A:VAL:HG23	3	0.25
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG21	3	0.25
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG22	3	0.25
(1,1145)	1:22:A:VAL:HG12	1:49:A:VAL:HG23	3	0.25
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG21	3	0.25
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG22	3	0.25
(1,1145)	1:22:A:VAL:HG13	1:49:A:VAL:HG23	3	0.25
(1,1077)	1:16:A:LEU:HD21	1:100:A:LYS:H	8	0.25
(1,1077)	1:16:A:LEU:HD22	1:100:A:LYS:H	8	0.25
(1,1077)	1:16:A:LEU:HD23	1:100:A:LYS:H	8	0.25
(1,990)	1:75:A:LEU:HA	1:75:A:LEU:HD21	11	0.25
(1,990)	1:75:A:LEU:HA	1:75:A:LEU:HD22	11	0.25
(1,990)	1:75:A:LEU:HA	1:75:A:LEU:HD23	11	0.25
(1,854)	1:61:A:VAL:HG21	1:91:A:PRO:HG2	9	0.25
(1,854)	1:61:A:VAL:HG22	1:91:A:PRO:HG2	9	0.25
(1,854)	1:61:A:VAL:HG23	1:91:A:PRO:HG2	9	0.25
(1,789)	1:79:A:PHE:HB3	1:108:A:LEU:HD11	5	0.25
(1,789)	1:79:A:PHE:HB3	1:108:A:LEU:HD12	5	0.25
(1,789)	1:79:A:PHE:HB3	1:108:A:LEU:HD13	5	0.25
(1,786)	1:79:A:PHE:HE1	1:108:A:LEU:HD11	12	0.25
(1,786)	1:79:A:PHE:HE1	1:108:A:LEU:HD12	12	0.25
(1,786)	1:79:A:PHE:HE1	1:108:A:LEU:HD13	12	0.25
(1,786)	1:79:A:PHE:HE2	1:108:A:LEU:HD11	12	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,786)	1:79:A:PHE:HE2	1:108:A:LEU:HD12	12	0.25
(1,786)	1:79:A:PHE:HE2	1:108:A:LEU:HD13	12	0.25
(1,782)	1:47:A:THR:HB	1:48:A:PRO:HG3	18	0.25
(1,691)	1:62:A:GLU:HA	1:63:A:ILE:HG12	12	0.25
(1,669)	1:63:A:ILE:H	1:63:A:ILE:HG12	3	0.25
(1,599)	1:12:A:CYS:HB2	1:13:A:VAL:H	10	0.25
(1,547)	1:62:A:GLU:H	1:62:A:GLU:HB3	8	0.25
(1,547)	1:62:A:GLU:H	1:62:A:GLU:HB3	20	0.25
(1,513)	1:61:A:VAL:HB	1:78:A:PHE:HB3	16	0.25
(1,464)	1:57:A:PRO:HA	1:58:A:ARG:HB3	12	0.25
(1,365)	1:31:A:PRO:HB3	1:120:A:ARG:HG3	16	0.25
(1,281)	1:112:A:LYS:HB2	1:115:A:GLU:HG2	13	0.25
(1,247)	1:56:A:ASN:HB2	1:96:A:ASN:HA	16	0.25
(1,168)	1:38:A:THR:H	1:113:A:ASP:HB2	10	0.25
(1,77)	1:2:A:ARG:HD3	1:15:A:ASP:HB3	18	0.25
(1,2873)	1:32:A:PHE:HZ	1:119:A:VAL:HG11	12	0.24
(1,2873)	1:32:A:PHE:HZ	1:119:A:VAL:HG12	12	0.24
(1,2873)	1:32:A:PHE:HZ	1:119:A:VAL:HG13	12	0.24
(1,2769)	1:79:A:PHE:HD1	1:109:A:LYS:HE3	5	0.24
(1,2769)	1:79:A:PHE:HD2	1:109:A:LYS:HE3	5	0.24
(1,2692)	1:103:A:GLU:HB3	1:104:A:GLY:H	1	0.24
(1,2522)	1:24:A:LYS:HB3	1:25:A:LEU:H	4	0.24
(1,2522)	1:24:A:LYS:HB3	1:25:A:LEU:H	9	0.24
(1,2403)	1:59:A:GLU:H	1:59:A:GLU:HB3	3	0.24
(1,2361)	1:7:A:PHE:HB2	1:8:A:GLU:H	4	0.24
(1,2361)	1:7:A:PHE:HB2	1:8:A:GLU:H	9	0.24
(1,2298)	1:61:A:VAL:HG11	1:65:A:ASP:H	3	0.24
(1,2298)	1:61:A:VAL:HG12	1:65:A:ASP:H	3	0.24
(1,2298)	1:61:A:VAL:HG13	1:65:A:ASP:H	3	0.24
(1,2297)	1:62:A:GLU:HB3	1:65:A:ASP:H	11	0.24
(1,2297)	1:62:A:GLU:HB3	1:65:A:ASP:H	20	0.24
(1,2213)	1:16:A:LEU:H	1:16:A:LEU:HB3	1	0.24
(1,2141)	1:7:A:PHE:H	1:7:A:PHE:HB3	2	0.24
(1,2141)	1:7:A:PHE:H	1:7:A:PHE:HB3	9	0.24
(1,2135)	1:39:A:TRP:H	1:42:A:GLU:HB2	10	0.24
(1,1937)	1:31:A:PRO:HB2	1:120:A:ARG:HA	12	0.24
(1,1937)	1:31:A:PRO:HB2	1:120:A:ARG:HA	13	0.24
(1,1919)	1:6:A:LEU:HA	1:7:A:PHE:HB3	4	0.24
(1,1919)	1:6:A:LEU:HA	1:7:A:PHE:HB3	13	0.24
(1,1772)	1:30:A:ILE:HG21	1:31:A:PRO:HB2	8	0.24
(1,1772)	1:30:A:ILE:HG22	1:31:A:PRO:HB2	8	0.24
(1,1772)	1:30:A:ILE:HG23	1:31:A:PRO:HB2	8	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1713)	1:61:A:VAL:HG11	1:78:A:PHE:HB2	12	0.24
(1,1713)	1:61:A:VAL:HG12	1:78:A:PHE:HB2	12	0.24
(1,1713)	1:61:A:VAL:HG13	1:78:A:PHE:HB2	12	0.24
(1,1587)	1:101:A:ILE:HG21	1:105:A:LEU:HB3	14	0.24
(1,1587)	1:101:A:ILE:HG22	1:105:A:LEU:HB3	14	0.24
(1,1587)	1:101:A:ILE:HG23	1:105:A:LEU:HB3	14	0.24
(1,1516)	1:2:A:ARG:HG3	1:102:A:VAL:HG21	1	0.24
(1,1516)	1:2:A:ARG:HG3	1:102:A:VAL:HG22	1	0.24
(1,1516)	1:2:A:ARG:HG3	1:102:A:VAL:HG23	1	0.24
(1,1516)	1:2:A:ARG:HG3	1:102:A:VAL:HG21	10	0.24
(1,1516)	1:2:A:ARG:HG3	1:102:A:VAL:HG22	10	0.24
(1,1516)	1:2:A:ARG:HG3	1:102:A:VAL:HG23	10	0.24
(1,1511)	1:102:A:VAL:H	1:102:A:VAL:HG21	3	0.24
(1,1511)	1:102:A:VAL:H	1:102:A:VAL:HG22	3	0.24
(1,1511)	1:102:A:VAL:H	1:102:A:VAL:HG23	3	0.24
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG11	6	0.24
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG12	6	0.24
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG13	6	0.24
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG11	6	0.24
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG12	6	0.24
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG13	6	0.24
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG11	6	0.24
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG12	6	0.24
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG13	6	0.24
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG11	13	0.24
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG12	13	0.24
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG13	13	0.24
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG11	13	0.24
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG12	13	0.24
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG13	13	0.24
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG11	13	0.24
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG12	13	0.24
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG13	13	0.24
(1,1392)	1:49:A:VAL:H	1:49:A:VAL:HG11	11	0.24
(1,1392)	1:49:A:VAL:H	1:49:A:VAL:HG12	11	0.24
(1,1392)	1:49:A:VAL:H	1:49:A:VAL:HG13	11	0.24
(1,1392)	1:49:A:VAL:H	1:49:A:VAL:HG11	18	0.24
(1,1392)	1:49:A:VAL:H	1:49:A:VAL:HG12	18	0.24
(1,1392)	1:49:A:VAL:H	1:49:A:VAL:HG13	18	0.24
(1,1380)	1:58:A:ARG:HG2	1:97:A:VAL:HG11	11	0.24
(1,1380)	1:58:A:ARG:HG2	1:97:A:VAL:HG12	11	0.24
(1,1380)	1:58:A:ARG:HG2	1:97:A:VAL:HG13	11	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1303)	1:22:A:VAL:HG21	1:23:A:VAL:HB	6	0.24
(1,1303)	1:22:A:VAL:HG22	1:23:A:VAL:HB	6	0.24
(1,1303)	1:22:A:VAL:HG23	1:23:A:VAL:HB	6	0.24
(1,1274)	1:21:A:GLU:HB2	1:51:A:VAL:HG11	7	0.24
(1,1274)	1:21:A:GLU:HB2	1:51:A:VAL:HG12	7	0.24
(1,1274)	1:21:A:GLU:HB2	1:51:A:VAL:HG13	7	0.24
(1,1274)	1:21:A:GLU:HB3	1:51:A:VAL:HG11	7	0.24
(1,1274)	1:21:A:GLU:HB3	1:51:A:VAL:HG12	7	0.24
(1,1274)	1:21:A:GLU:HB3	1:51:A:VAL:HG13	7	0.24
(1,1270)	1:22:A:VAL:H	1:51:A:VAL:HG11	11	0.24
(1,1270)	1:22:A:VAL:H	1:51:A:VAL:HG12	11	0.24
(1,1270)	1:22:A:VAL:H	1:51:A:VAL:HG13	11	0.24
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG21	5	0.24
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG22	5	0.24
(1,1264)	1:4:A:GLU:H	1:119:A:VAL:HG23	5	0.24
(1,1261)	1:60:A:VAL:HG11	1:61:A:VAL:H	1	0.24
(1,1261)	1:60:A:VAL:HG12	1:61:A:VAL:H	1	0.24
(1,1261)	1:60:A:VAL:HG13	1:61:A:VAL:H	1	0.24
(1,1261)	1:60:A:VAL:HG11	1:61:A:VAL:H	16	0.24
(1,1261)	1:60:A:VAL:HG12	1:61:A:VAL:H	16	0.24
(1,1261)	1:60:A:VAL:HG13	1:61:A:VAL:H	16	0.24
(1,1244)	1:107:A:ASP:HB2	1:108:A:LEU:HD21	11	0.24
(1,1244)	1:107:A:ASP:HB2	1:108:A:LEU:HD22	11	0.24
(1,1244)	1:107:A:ASP:HB2	1:108:A:LEU:HD23	11	0.24
(1,1223)	1:21:A:GLU:HA	1:51:A:VAL:HG21	18	0.24
(1,1223)	1:21:A:GLU:HA	1:51:A:VAL:HG22	18	0.24
(1,1223)	1:21:A:GLU:HA	1:51:A:VAL:HG23	18	0.24
(1,1206)	1:102:A:VAL:HA	1:102:A:VAL:HG11	3	0.24
(1,1206)	1:102:A:VAL:HA	1:102:A:VAL:HG12	3	0.24
(1,1206)	1:102:A:VAL:HA	1:102:A:VAL:HG13	3	0.24
(1,1136)	1:25:A:LEU:H	1:49:A:VAL:HG21	16	0.24
(1,1136)	1:25:A:LEU:H	1:49:A:VAL:HG22	16	0.24
(1,1136)	1:25:A:LEU:H	1:49:A:VAL:HG23	16	0.24
(1,990)	1:75:A:LEU:HA	1:75:A:LEU:HD21	16	0.24
(1,990)	1:75:A:LEU:HA	1:75:A:LEU:HD22	16	0.24
(1,990)	1:75:A:LEU:HA	1:75:A:LEU:HD23	16	0.24
(1,941)	1:77:A:LEU:HA	1:77:A:LEU:HD21	6	0.24
(1,941)	1:77:A:LEU:HA	1:77:A:LEU:HD22	6	0.24
(1,941)	1:77:A:LEU:HA	1:77:A:LEU:HD23	6	0.24
(1,940)	1:7:A:PHE:HE2	1:77:A:LEU:HD21	19	0.24
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG21	9	0.24
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG22	9	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG23	9	0.24
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG21	9	0.24
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG22	9	0.24
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG23	9	0.24
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG21	9	0.24
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG22	9	0.24
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG23	9	0.24
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG11	9	0.24
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG12	9	0.24
(1,844)	1:5:A:LEU:HD11	1:119:A:VAL:HG13	9	0.24
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG11	9	0.24
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG12	9	0.24
(1,844)	1:5:A:LEU:HD12	1:119:A:VAL:HG13	9	0.24
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG11	9	0.24
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG12	9	0.24
(1,844)	1:5:A:LEU:HD13	1:119:A:VAL:HG13	9	0.24
(1,838)	1:78:A:PHE:HZ	1:91:A:PRO:HG2	5	0.24
(1,825)	1:7:A:PHE:HB3	1:111:A:ILE:HG12	19	0.24
(1,751)	1:5:A:LEU:HD23	1:7:A:PHE:HE2	6	0.24
(1,691)	1:62:A:GLU:HA	1:63:A:ILE:HG12	20	0.24
(1,669)	1:63:A:ILE:H	1:63:A:ILE:HG12	4	0.24
(1,669)	1:63:A:ILE:H	1:63:A:ILE:HG12	5	0.24
(1,669)	1:63:A:ILE:H	1:63:A:ILE:HG12	12	0.24
(1,653)	1:30:A:ILE:HG13	1:32:A:PHE:H	15	0.24
(1,552)	1:54:A:MET:HG2	1:57:A:PRO:HG3	16	0.24
(1,547)	1:62:A:GLU:H	1:62:A:GLU:HB3	10	0.24
(1,547)	1:62:A:GLU:H	1:62:A:GLU:HB3	18	0.24
(1,521)	1:51:A:VAL:HG11	1:53:A:LYS:HB2	15	0.24
(1,521)	1:51:A:VAL:HG12	1:53:A:LYS:HB2	15	0.24
(1,521)	1:51:A:VAL:HG13	1:53:A:LYS:HB2	15	0.24
(1,465)	1:58:A:ARG:HB3	1:95:A:VAL:HG21	20	0.24
(1,465)	1:58:A:ARG:HB3	1:95:A:VAL:HG22	20	0.24
(1,465)	1:58:A:ARG:HB3	1:95:A:VAL:HG23	20	0.24
(1,464)	1:57:A:PRO:HA	1:58:A:ARG:HB3	1	0.24
(1,464)	1:57:A:PRO:HA	1:58:A:ARG:HB3	8	0.24
(1,251)	1:17:A:ASN:HA	1:18:A:GLU:HG2	10	0.24
(1,239)	1:18:A:GLU:HG3	1:24:A:LYS:HG2	6	0.24
(1,122)	1:112:A:LYS:HG2	1:112:A:LYS:HE2	2	0.24
(1,80)	1:2:A:ARG:HD2	1:15:A:ASP:HB3	15	0.24
(1,2885)	1:39:A:TRP:HH2	1:84:A:MET:HB3	12	0.23
(1,2873)	1:32:A:PHE:HZ	1:119:A:VAL:HG11	14	0.23
(1,2873)	1:32:A:PHE:HZ	1:119:A:VAL:HG12	14	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2873)	1:32:A:PHE:HZ	1:119:A:VAL:HG13	14	0.23
(1,2797)	1:27:A:LYS:HG3	1:121:A:PHE:HE1	14	0.23
(1,2797)	1:27:A:LYS:HG3	1:121:A:PHE:HE2	14	0.23
(1,2769)	1:79:A:PHE:HD1	1:109:A:LYS:HE3	4	0.23
(1,2769)	1:79:A:PHE:HD2	1:109:A:LYS:HE3	4	0.23
(1,2147)	1:18:A:GLU:H	1:18:A:GLU:HG2	19	0.23
(1,2146)	1:54:A:MET:H	1:54:A:MET:HB2	2	0.23
(1,2146)	1:54:A:MET:H	1:54:A:MET:HB2	7	0.23
(1,2119)	1:50:A:ASN:H	1:50:A:ASN:HB2	9	0.23
(1,1495)	1:95:A:VAL:HG21	1:96:A:ASN:HA	12	0.23
(1,1495)	1:95:A:VAL:HG22	1:96:A:ASN:HA	12	0.23
(1,1495)	1:95:A:VAL:HG23	1:96:A:ASN:HA	12	0.23
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG11	3	0.23
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG12	3	0.23
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG13	3	0.23
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG11	3	0.23
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG12	3	0.23
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG13	3	0.23
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG11	3	0.23
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG12	3	0.23
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG13	3	0.23
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG11	9	0.23
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG12	9	0.23
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG13	9	0.23
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG11	9	0.23
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG12	9	0.23
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG13	9	0.23
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG11	9	0.23
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG12	9	0.23
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG13	9	0.23
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG11	19	0.23
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG12	19	0.23
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG13	19	0.23
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG11	19	0.23
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG12	19	0.23
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG13	19	0.23
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG11	19	0.23
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG12	19	0.23
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG13	19	0.23
(1,1434)	1:6:A:LEU:HB3	1:118:A:ALA:HB1	1	0.23
(1,1434)	1:6:A:LEU:HB3	1:118:A:ALA:HB2	1	0.23
(1,1434)	1:6:A:LEU:HB3	1:118:A:ALA:HB3	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1364)	1:60:A:VAL:H	1:60:A:VAL:HG21	13	0.23
(1,1364)	1:60:A:VAL:H	1:60:A:VAL:HG22	13	0.23
(1,1364)	1:60:A:VAL:H	1:60:A:VAL:HG23	13	0.23
(1,1303)	1:22:A:VAL:HG21	1:23:A:VAL:HB	7	0.23
(1,1303)	1:22:A:VAL:HG22	1:23:A:VAL:HB	7	0.23
(1,1303)	1:22:A:VAL:HG23	1:23:A:VAL:HB	7	0.23
(1,1274)	1:21:A:GLU:HB2	1:51:A:VAL:HG11	14	0.23
(1,1274)	1:21:A:GLU:HB2	1:51:A:VAL:HG12	14	0.23
(1,1274)	1:21:A:GLU:HB2	1:51:A:VAL:HG13	14	0.23
(1,1274)	1:21:A:GLU:HB3	1:51:A:VAL:HG11	14	0.23
(1,1274)	1:21:A:GLU:HB3	1:51:A:VAL:HG12	14	0.23
(1,1274)	1:21:A:GLU:HB3	1:51:A:VAL:HG13	14	0.23
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG21	9	0.23
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG22	9	0.23
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG23	9	0.23
(1,1261)	1:60:A:VAL:HG11	1:61:A:VAL:H	15	0.23
(1,1261)	1:60:A:VAL:HG12	1:61:A:VAL:H	15	0.23
(1,1261)	1:60:A:VAL:HG13	1:61:A:VAL:H	15	0.23
(1,1136)	1:25:A:LEU:H	1:49:A:VAL:HG21	4	0.23
(1,1136)	1:25:A:LEU:H	1:49:A:VAL:HG22	4	0.23
(1,1136)	1:25:A:LEU:H	1:49:A:VAL:HG23	4	0.23
(1,1136)	1:25:A:LEU:H	1:49:A:VAL:HG21	18	0.23
(1,1136)	1:25:A:LEU:H	1:49:A:VAL:HG22	18	0.23
(1,1136)	1:25:A:LEU:H	1:49:A:VAL:HG23	18	0.23
(1,954)	1:23:A:VAL:H	1:24:A:LYS:HG2	13	0.23
(1,941)	1:77:A:LEU:HA	1:77:A:LEU:HD21	9	0.23
(1,941)	1:77:A:LEU:HA	1:77:A:LEU:HD22	9	0.23
(1,941)	1:77:A:LEU:HA	1:77:A:LEU:HD23	9	0.23
(1,940)	1:7:A:PHE:HE2	1:77:A:LEU:HD23	9	0.23
(1,912)	1:16:A:LEU:HD11	1:23:A:VAL:HG11	4	0.23
(1,912)	1:16:A:LEU:HD11	1:23:A:VAL:HG12	4	0.23
(1,912)	1:16:A:LEU:HD11	1:23:A:VAL:HG13	4	0.23
(1,912)	1:16:A:LEU:HD12	1:23:A:VAL:HG11	4	0.23
(1,912)	1:16:A:LEU:HD12	1:23:A:VAL:HG12	4	0.23
(1,912)	1:16:A:LEU:HD12	1:23:A:VAL:HG13	4	0.23
(1,912)	1:16:A:LEU:HD13	1:23:A:VAL:HG11	4	0.23
(1,912)	1:16:A:LEU:HD13	1:23:A:VAL:HG12	4	0.23
(1,912)	1:16:A:LEU:HD13	1:23:A:VAL:HG13	4	0.23
(1,909)	1:81:A:LYS:H	1:81:A:LYS:HG2	2	0.23
(1,867)	1:57:A:PRO:HA	1:58:A:ARG:HG3	9	0.23
(1,838)	1:78:A:PHE:HZ	1:91:A:PRO:HG2	13	0.23
(1,826)	1:7:A:PHE:HD2	1:111:A:ILE:HG12	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,820)	1:110:A:LYS:H	1:111:A:ILE:HG13	19	0.23
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG11	12	0.23
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG12	12	0.23
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG13	12	0.23
(1,776)	1:32:A:PHE:HB2	1:48:A:PRO:HG2	12	0.23
(1,776)	1:32:A:PHE:HB3	1:48:A:PRO:HG2	12	0.23
(1,688)	1:43:A:ILE:HG12	1:79:A:PHE:HE1	8	0.23
(1,688)	1:43:A:ILE:HG12	1:79:A:PHE:HE2	8	0.23
(1,648)	1:70:A:PRO:HB3	1:71:A:PRO:HD3	3	0.23
(1,547)	1:62:A:GLU:H	1:62:A:GLU:HB3	7	0.23
(1,547)	1:62:A:GLU:H	1:62:A:GLU:HB3	19	0.23
(1,495)	1:29:A:LYS:HB3	1:49:A:VAL:HG11	10	0.23
(1,495)	1:29:A:LYS:HB3	1:49:A:VAL:HG12	10	0.23
(1,495)	1:29:A:LYS:HB3	1:49:A:VAL:HG13	10	0.23
(1,247)	1:56:A:ASN:HB2	1:96:A:ASN:HA	3	0.23
(1,247)	1:56:A:ASN:HB2	1:96:A:ASN:HA	12	0.23
(1,2887)	1:69:A:TRP:HZ3	1:72:A:GLY:HA2	12	0.22
(1,2885)	1:39:A:TRP:HH2	1:84:A:MET:HB3	4	0.22
(1,2885)	1:39:A:TRP:HH2	1:84:A:MET:HB3	16	0.22
(1,2873)	1:32:A:PHE:HZ	1:119:A:VAL:HG11	1	0.22
(1,2873)	1:32:A:PHE:HZ	1:119:A:VAL:HG12	1	0.22
(1,2873)	1:32:A:PHE:HZ	1:119:A:VAL:HG13	1	0.22
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG11	20	0.22
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG12	20	0.22
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG13	20	0.22
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG11	20	0.22
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG12	20	0.22
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG13	20	0.22
(1,2781)	1:65:A:ASP:HB3	1:78:A:PHE:HD1	2	0.22
(1,2781)	1:65:A:ASP:HB3	1:78:A:PHE:HD2	2	0.22
(1,2781)	1:65:A:ASP:HB3	1:78:A:PHE:HD1	13	0.22
(1,2781)	1:65:A:ASP:HB3	1:78:A:PHE:HD2	13	0.22
(1,2718)	1:59:A:GLU:HB2	1:90:A:GLN:HE22	17	0.22
(1,2662)	1:7:A:PHE:HD1	1:9:A:SER:H	6	0.22
(1,2575)	1:56:A:ASN:H	1:96:A:ASN:HD21	12	0.22
(1,2486)	1:20:A:TYR:H	1:20:A:TYR:HB3	2	0.22
(1,2468)	1:62:A:GLU:H	1:65:A:ASP:HB3	4	0.22
(1,2403)	1:59:A:GLU:H	1:59:A:GLU:HB3	8	0.22
(1,2357)	1:121:A:PHE:H	1:121:A:PHE:HB3	18	0.22
(1,2286)	1:22:A:VAL:HG11	1:26:A:LEU:H	7	0.22
(1,2286)	1:22:A:VAL:HG12	1:26:A:LEU:H	7	0.22
(1,2286)	1:22:A:VAL:HG13	1:26:A:LEU:H	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2152)	1:53:A:LYS:HB2	1:54:A:MET:H	2	0.22
(1,2141)	1:7:A:PHE:H	1:7:A:PHE:HB3	16	0.22
(1,2119)	1:50:A:ASN:H	1:50:A:ASN:HB2	2	0.22
(1,1967)	1:17:A:ASN:HA	1:23:A:VAL:HG21	10	0.22
(1,1967)	1:17:A:ASN:HA	1:23:A:VAL:HG22	10	0.22
(1,1967)	1:17:A:ASN:HA	1:23:A:VAL:HG23	10	0.22
(1,1937)	1:31:A:PRO:HB2	1:120:A:ARG:HA	17	0.22
(1,1919)	1:6:A:LEU:HA	1:7:A:PHE:HB3	1	0.22
(1,1919)	1:6:A:LEU:HA	1:7:A:PHE:HB3	19	0.22
(1,1919)	1:6:A:LEU:HA	1:7:A:PHE:HB3	20	0.22
(1,1713)	1:61:A:VAL:HG11	1:78:A:PHE:HB2	5	0.22
(1,1713)	1:61:A:VAL:HG12	1:78:A:PHE:HB2	5	0.22
(1,1713)	1:61:A:VAL:HG13	1:78:A:PHE:HB2	5	0.22
(1,1392)	1:49:A:VAL:H	1:49:A:VAL:HG11	6	0.22
(1,1392)	1:49:A:VAL:H	1:49:A:VAL:HG12	6	0.22
(1,1392)	1:49:A:VAL:H	1:49:A:VAL:HG13	6	0.22
(1,1270)	1:22:A:VAL:H	1:51:A:VAL:HG11	20	0.22
(1,1270)	1:22:A:VAL:H	1:51:A:VAL:HG12	20	0.22
(1,1270)	1:22:A:VAL:H	1:51:A:VAL:HG13	20	0.22
(1,1236)	1:12:A:CYS:HB2	1:108:A:LEU:HD21	8	0.22
(1,1236)	1:12:A:CYS:HB2	1:108:A:LEU:HD22	8	0.22
(1,1236)	1:12:A:CYS:HB2	1:108:A:LEU:HD23	8	0.22
(1,1201)	1:101:A:ILE:H	1:102:A:VAL:HG11	10	0.22
(1,1201)	1:101:A:ILE:H	1:102:A:VAL:HG12	10	0.22
(1,1201)	1:101:A:ILE:H	1:102:A:VAL:HG13	10	0.22
(1,1052)	1:58:A:ARG:HB3	1:97:A:VAL:HG21	16	0.22
(1,1052)	1:58:A:ARG:HB3	1:97:A:VAL:HG22	16	0.22
(1,1052)	1:58:A:ARG:HB3	1:97:A:VAL:HG23	16	0.22
(1,1024)	1:29:A:LYS:HG3	1:49:A:VAL:HG11	14	0.22
(1,1024)	1:29:A:LYS:HG3	1:49:A:VAL:HG12	14	0.22
(1,1024)	1:29:A:LYS:HG3	1:49:A:VAL:HG13	14	0.22
(1,963)	1:79:A:PHE:HA	1:105:A:LEU:HD21	8	0.22
(1,963)	1:79:A:PHE:HA	1:105:A:LEU:HD22	8	0.22
(1,963)	1:79:A:PHE:HA	1:105:A:LEU:HD23	8	0.22
(1,947)	1:1:A:MET:HG2	1:16:A:LEU:HD11	1	0.22
(1,947)	1:1:A:MET:HG2	1:16:A:LEU:HD12	1	0.22
(1,947)	1:1:A:MET:HG2	1:16:A:LEU:HD13	1	0.22
(1,904)	1:22:A:VAL:HG11	1:23:A:VAL:HG11	19	0.22
(1,904)	1:22:A:VAL:HG11	1:23:A:VAL:HG12	19	0.22
(1,904)	1:22:A:VAL:HG11	1:23:A:VAL:HG13	19	0.22
(1,904)	1:22:A:VAL:HG12	1:23:A:VAL:HG11	19	0.22
(1,904)	1:22:A:VAL:HG12	1:23:A:VAL:HG12	19	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,904)	1:22:A:VAL:HG12	1:23:A:VAL:HG13	19	0.22
(1,904)	1:22:A:VAL:HG13	1:23:A:VAL:HG11	19	0.22
(1,904)	1:22:A:VAL:HG13	1:23:A:VAL:HG12	19	0.22
(1,904)	1:22:A:VAL:HG13	1:23:A:VAL:HG13	19	0.22
(1,868)	1:119:A:VAL:HG21	1:120:A:ARG:HG3	11	0.22
(1,868)	1:119:A:VAL:HG22	1:120:A:ARG:HG3	11	0.22
(1,868)	1:119:A:VAL:HG23	1:120:A:ARG:HG3	11	0.22
(1,816)	1:81:A:LYS:HG2	1:89:A:ILE:HG13	15	0.22
(1,759)	1:5:A:LEU:HD21	1:12:A:CYS:H	7	0.22
(1,759)	1:5:A:LEU:HD22	1:12:A:CYS:H	7	0.22
(1,759)	1:5:A:LEU:HD23	1:12:A:CYS:H	7	0.22
(1,669)	1:63:A:ILE:H	1:63:A:ILE:HG12	10	0.22
(1,653)	1:30:A:ILE:HG13	1:32:A:PHE:H	5	0.22
(1,653)	1:30:A:ILE:HG13	1:32:A:PHE:H	11	0.22
(1,563)	1:109:A:LYS:HB3	1:109:A:LYS:HE3	10	0.22
(1,547)	1:62:A:GLU:H	1:62:A:GLU:HB3	17	0.22
(1,464)	1:57:A:PRO:HA	1:58:A:ARG:HB3	20	0.22
(1,452)	1:103:A:GLU:HB3	1:103:A:GLU:HG3	15	0.22
(1,355)	1:102:A:VAL:HG21	1:103:A:GLU:HG3	1	0.22
(1,355)	1:102:A:VAL:HG22	1:103:A:GLU:HG3	1	0.22
(1,355)	1:102:A:VAL:HG23	1:103:A:GLU:HG3	1	0.22
(1,251)	1:17:A:ASN:HA	1:18:A:GLU:HG2	11	0.22
(1,131)	1:79:A:PHE:HE1	1:109:A:LYS:HE3	4	0.22
(1,131)	1:79:A:PHE:HE2	1:109:A:LYS:HE3	4	0.22
(1,122)	1:112:A:LYS:HG2	1:112:A:LYS:HE2	7	0.22
(1,100)	1:58:A:ARG:HD3	1:60:A:VAL:H	16	0.22
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG21	12	0.22
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG22	12	0.22
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG23	12	0.22
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG11	11	0.21
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG12	11	0.21
(1,2858)	1:45:A:PHE:HE1	1:119:A:VAL:HG13	11	0.21
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG11	11	0.21
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG12	11	0.21
(1,2858)	1:45:A:PHE:HE2	1:119:A:VAL:HG13	11	0.21
(1,2843)	1:26:A:LEU:HD11	1:32:A:PHE:HE1	20	0.21
(1,2843)	1:26:A:LEU:HD11	1:32:A:PHE:HE2	20	0.21
(1,2843)	1:26:A:LEU:HD12	1:32:A:PHE:HE1	20	0.21
(1,2843)	1:26:A:LEU:HD12	1:32:A:PHE:HE2	20	0.21
(1,2843)	1:26:A:LEU:HD13	1:32:A:PHE:HE1	20	0.21
(1,2843)	1:26:A:LEU:HD13	1:32:A:PHE:HE2	20	0.21
(1,2781)	1:65:A:ASP:HB3	1:78:A:PHE:HD1	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2781)	1:65:A:ASP:HB3	1:78:A:PHE:HD2	8	0.21
(1,2613)	1:109:A:LYS:H	1:109:A:LYS:HE3	16	0.21
(1,2514)	1:60:A:VAL:H	1:61:A:VAL:HG21	12	0.21
(1,2514)	1:60:A:VAL:H	1:61:A:VAL:HG22	12	0.21
(1,2514)	1:60:A:VAL:H	1:61:A:VAL:HG23	12	0.21
(1,2428)	1:11:A:LYS:H	1:11:A:LYS:HG3	5	0.21
(1,2361)	1:7:A:PHE:HB2	1:8:A:GLU:H	16	0.21
(1,2361)	1:7:A:PHE:HB2	1:8:A:GLU:H	17	0.21
(1,2361)	1:7:A:PHE:HB2	1:8:A:GLU:H	19	0.21
(1,2297)	1:62:A:GLU:HB3	1:65:A:ASP:H	3	0.21
(1,2286)	1:22:A:VAL:HG11	1:26:A:LEU:H	15	0.21
(1,2286)	1:22:A:VAL:HG12	1:26:A:LEU:H	15	0.21
(1,2286)	1:22:A:VAL:HG13	1:26:A:LEU:H	15	0.21
(1,2286)	1:22:A:VAL:HG11	1:26:A:LEU:H	18	0.21
(1,2286)	1:22:A:VAL:HG12	1:26:A:LEU:H	18	0.21
(1,2286)	1:22:A:VAL:HG13	1:26:A:LEU:H	18	0.21
(1,2239)	1:33:A:GLU:HG3	1:119:A:VAL:H	5	0.21
(1,2239)	1:33:A:GLU:HG3	1:119:A:VAL:H	12	0.21
(1,2155)	1:54:A:MET:H	1:96:A:ASN:HD21	4	0.21
(1,1991)	1:69:A:TRP:H	1:70:A:PRO:HD2	18	0.21
(1,1937)	1:31:A:PRO:HB2	1:120:A:ARG:HA	8	0.21
(1,1919)	1:6:A:LEU:HA	1:7:A:PHE:HB3	9	0.21
(1,1919)	1:6:A:LEU:HA	1:7:A:PHE:HB3	12	0.21
(1,1895)	1:27:A:LYS:HG3	1:30:A:ILE:HD11	11	0.21
(1,1895)	1:27:A:LYS:HG3	1:30:A:ILE:HD12	11	0.21
(1,1895)	1:27:A:LYS:HG3	1:30:A:ILE:HD13	11	0.21
(1,1759)	1:2:A:ARG:HA	1:15:A:ASP:HB3	15	0.21
(1,1702)	1:7:A:PHE:HE1	1:108:A:LEU:HA	16	0.21
(1,1392)	1:49:A:VAL:H	1:49:A:VAL:HG11	2	0.21
(1,1392)	1:49:A:VAL:H	1:49:A:VAL:HG12	2	0.21
(1,1392)	1:49:A:VAL:H	1:49:A:VAL:HG13	2	0.21
(1,1392)	1:49:A:VAL:H	1:49:A:VAL:HG11	16	0.21
(1,1392)	1:49:A:VAL:H	1:49:A:VAL:HG12	16	0.21
(1,1392)	1:49:A:VAL:H	1:49:A:VAL:HG13	16	0.21
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG11	3	0.21
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG12	3	0.21
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG13	3	0.21
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG11	3	0.21
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG12	3	0.21
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG13	3	0.21
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG11	3	0.21
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG12	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG13	3	0.21
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG11	3	0.21
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG12	3	0.21
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG13	3	0.21
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG11	3	0.21
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG12	3	0.21
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG13	3	0.21
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG11	3	0.21
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG12	3	0.21
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG13	3	0.21
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG21	12	0.21
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG22	12	0.21
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG23	12	0.21
(1,1243)	1:12:A:CYS:HA	1:108:A:LEU:HD21	13	0.21
(1,1243)	1:12:A:CYS:HA	1:108:A:LEU:HD22	13	0.21
(1,1243)	1:12:A:CYS:HA	1:108:A:LEU:HD23	13	0.21
(1,1200)	1:61:A:VAL:HG21	1:95:A:VAL:HG11	9	0.21
(1,1200)	1:61:A:VAL:HG21	1:95:A:VAL:HG12	9	0.21
(1,1200)	1:61:A:VAL:HG21	1:95:A:VAL:HG13	9	0.21
(1,1200)	1:61:A:VAL:HG22	1:95:A:VAL:HG11	9	0.21
(1,1200)	1:61:A:VAL:HG22	1:95:A:VAL:HG12	9	0.21
(1,1200)	1:61:A:VAL:HG22	1:95:A:VAL:HG13	9	0.21
(1,1200)	1:61:A:VAL:HG23	1:95:A:VAL:HG11	9	0.21
(1,1200)	1:61:A:VAL:HG23	1:95:A:VAL:HG12	9	0.21
(1,1200)	1:61:A:VAL:HG23	1:95:A:VAL:HG13	9	0.21
(1,1052)	1:58:A:ARG:HB3	1:97:A:VAL:HG21	9	0.21
(1,1052)	1:58:A:ARG:HB3	1:97:A:VAL:HG22	9	0.21
(1,1052)	1:58:A:ARG:HB3	1:97:A:VAL:HG23	9	0.21
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG11	19	0.21
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG12	19	0.21
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG13	19	0.21
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG11	19	0.21
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG12	19	0.21
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG13	19	0.21
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG11	19	0.21
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG12	19	0.21
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG13	19	0.21
(1,990)	1:75:A:LEU:HA	1:75:A:LEU:HD21	1	0.21
(1,990)	1:75:A:LEU:HA	1:75:A:LEU:HD22	1	0.21
(1,990)	1:75:A:LEU:HA	1:75:A:LEU:HD23	1	0.21
(1,954)	1:23:A:VAL:H	1:24:A:LYS:HG2	3	0.21
(1,924)	1:21:A:GLU:HG3	1:25:A:LEU:HD11	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,924)	1:21:A:GLU:HG3	1:25:A:LEU:HD12	11	0.21
(1,924)	1:21:A:GLU:HG3	1:25:A:LEU:HD13	11	0.21
(1,873)	1:119:A:VAL:H	1:120:A:ARG:HG3	16	0.21
(1,759)	1:5:A:LEU:HD21	1:12:A:CYS:H	5	0.21
(1,759)	1:5:A:LEU:HD22	1:12:A:CYS:H	5	0.21
(1,759)	1:5:A:LEU:HD23	1:12:A:CYS:H	5	0.21
(1,669)	1:63:A:ILE:H	1:63:A:ILE:HG12	1	0.21
(1,669)	1:63:A:ILE:H	1:63:A:ILE:HG12	13	0.21
(1,354)	1:13:A:VAL:HG11	1:103:A:GLU:HG3	6	0.21
(1,354)	1:13:A:VAL:HG12	1:103:A:GLU:HG3	6	0.21
(1,354)	1:13:A:VAL:HG13	1:103:A:GLU:HG3	6	0.21
(1,235)	1:78:A:PHE:HB2	1:80:A:GLY:H	17	0.21
(1,209)	1:30:A:ILE:HA	1:32:A:PHE:HB2	3	0.21
(1,187)	1:107:A:ASP:HB2	1:108:A:LEU:H	17	0.21
(1,155)	1:112:A:LYS:HB2	1:113:A:ASP:HB3	10	0.21
(1,115)	1:26:A:LEU:HB3	1:49:A:VAL:HG11	11	0.21
(1,115)	1:26:A:LEU:HB3	1:49:A:VAL:HG12	11	0.21
(1,115)	1:26:A:LEU:HB3	1:49:A:VAL:HG13	11	0.21
(1,2697)	1:17:A:ASN:HD22	1:19:A:GLU:HB3	4	0.2
(1,2631)	1:105:A:LEU:HB2	1:106:A:GLU:H	12	0.2
(1,2379)	1:68:A:TYR:H	1:96:A:ASN:HB3	2	0.2
(1,2181)	1:55:A:GLU:H	1:96:A:ASN:HD21	20	0.2
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG11	2	0.2
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG12	2	0.2
(1,2070)	1:118:A:ALA:H	1:119:A:VAL:HG13	2	0.2
(1,1919)	1:6:A:LEU:HA	1:7:A:PHE:HB3	15	0.2
(1,1919)	1:6:A:LEU:HA	1:7:A:PHE:HB3	16	0.2
(1,1611)	1:7:A:PHE:HE1	1:43:A:ILE:HG23	1	0.2
(1,1392)	1:49:A:VAL:H	1:49:A:VAL:HG11	1	0.2
(1,1392)	1:49:A:VAL:H	1:49:A:VAL:HG12	1	0.2
(1,1392)	1:49:A:VAL:H	1:49:A:VAL:HG13	1	0.2
(1,1376)	1:66:A:VAL:HG11	1:67:A:GLY:HA3	9	0.2
(1,1376)	1:66:A:VAL:HG12	1:67:A:GLY:HA3	9	0.2
(1,1376)	1:66:A:VAL:HG13	1:67:A:GLY:HA3	9	0.2
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG11	17	0.2
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG12	17	0.2
(1,1349)	1:117:A:VAL:HG11	1:119:A:VAL:HG13	17	0.2
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG11	17	0.2
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG12	17	0.2
(1,1349)	1:117:A:VAL:HG12	1:119:A:VAL:HG13	17	0.2
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG11	17	0.2
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG12	17	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1349)	1:117:A:VAL:HG13	1:119:A:VAL:HG13	17	0.2
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG11	17	0.2
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG12	17	0.2
(1,1349)	1:117:A:VAL:HG21	1:119:A:VAL:HG13	17	0.2
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG11	17	0.2
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG12	17	0.2
(1,1349)	1:117:A:VAL:HG22	1:119:A:VAL:HG13	17	0.2
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG11	17	0.2
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG12	17	0.2
(1,1349)	1:117:A:VAL:HG23	1:119:A:VAL:HG13	17	0.2
(1,1303)	1:22:A:VAL:HG21	1:23:A:VAL:HB	10	0.2
(1,1303)	1:22:A:VAL:HG22	1:23:A:VAL:HB	10	0.2
(1,1303)	1:22:A:VAL:HG23	1:23:A:VAL:HB	10	0.2
(1,1286)	1:13:A:VAL:HG11	1:103:A:GLU:H	2	0.2
(1,1286)	1:13:A:VAL:HG12	1:103:A:GLU:H	2	0.2
(1,1286)	1:13:A:VAL:HG13	1:103:A:GLU:H	2	0.2
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG21	11	0.2
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG22	11	0.2
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG23	11	0.2
(1,1280)	1:32:A:PHE:HA	1:119:A:VAL:HG21	6	0.2
(1,1280)	1:32:A:PHE:HA	1:119:A:VAL:HG22	6	0.2
(1,1280)	1:32:A:PHE:HA	1:119:A:VAL:HG23	6	0.2
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG21	13	0.2
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG22	13	0.2
(1,1265)	1:31:A:PRO:HA	1:119:A:VAL:HG23	13	0.2
(1,990)	1:75:A:LEU:HA	1:75:A:LEU:HD21	2	0.2
(1,990)	1:75:A:LEU:HA	1:75:A:LEU:HD22	2	0.2
(1,990)	1:75:A:LEU:HA	1:75:A:LEU:HD23	2	0.2
(1,964)	1:64:A:GLY:HA3	1:105:A:LEU:HD21	18	0.2
(1,964)	1:64:A:GLY:HA3	1:105:A:LEU:HD22	18	0.2
(1,964)	1:64:A:GLY:HA3	1:105:A:LEU:HD23	18	0.2
(1,954)	1:23:A:VAL:H	1:24:A:LYS:HG2	15	0.2
(1,952)	1:18:A:GLU:HB2	1:24:A:LYS:HG2	8	0.2
(1,948)	1:1:A:MET:HB2	1:16:A:LEU:HD11	4	0.2
(1,948)	1:1:A:MET:HB2	1:16:A:LEU:HD12	4	0.2
(1,948)	1:1:A:MET:HB2	1:16:A:LEU:HD13	4	0.2
(1,948)	1:1:A:MET:HB3	1:16:A:LEU:HD11	4	0.2
(1,948)	1:1:A:MET:HB3	1:16:A:LEU:HD12	4	0.2
(1,948)	1:1:A:MET:HB3	1:16:A:LEU:HD13	4	0.2
(1,821)	1:9:A:SER:HB2	1:111:A:ILE:HG13	5	0.2
(1,821)	1:9:A:SER:HB3	1:111:A:ILE:HG13	5	0.2
(1,789)	1:79:A:PHE:HB3	1:108:A:LEU:HD11	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,789)	1:79:A:PHE:HB3	1:108:A:LEU:HD12	8	0.2
(1,789)	1:79:A:PHE:HB3	1:108:A:LEU:HD13	8	0.2
(1,690)	1:63:A:ILE:HG12	1:64:A:GLY:H	9	0.2
(1,690)	1:63:A:ILE:HG12	1:64:A:GLY:H	12	0.2
(1,662)	1:52:A:GLN:HB3	1:53:A:LYS:H	9	0.2
(1,603)	1:7:A:PHE:HE1	1:12:A:CYS:HB3	6	0.2
(1,603)	1:7:A:PHE:HE1	1:12:A:CYS:HB3	14	0.2
(1,589)	1:18:A:GLU:HG3	1:23:A:VAL:HB	3	0.2
(1,571)	1:85:A:SER:HB3	1:90:A:GLN:HB3	5	0.2
(1,547)	1:62:A:GLU:H	1:62:A:GLU:HB3	14	0.2
(1,469)	1:60:A:VAL:HG11	1:88:A:LYS:HB3	15	0.2
(1,469)	1:60:A:VAL:HG12	1:88:A:LYS:HB3	15	0.2
(1,469)	1:60:A:VAL:HG13	1:88:A:LYS:HB3	15	0.2
(1,469)	1:60:A:VAL:HG11	1:88:A:LYS:HB2	15	0.2
(1,469)	1:60:A:VAL:HG12	1:88:A:LYS:HB2	15	0.2
(1,469)	1:60:A:VAL:HG13	1:88:A:LYS:HB2	15	0.2
(1,465)	1:58:A:ARG:HB3	1:95:A:VAL:HG21	5	0.2
(1,465)	1:58:A:ARG:HB3	1:95:A:VAL:HG22	5	0.2
(1,465)	1:58:A:ARG:HB3	1:95:A:VAL:HG23	5	0.2
(1,464)	1:57:A:PRO:HA	1:58:A:ARG:HB3	6	0.2
(1,355)	1:102:A:VAL:HG21	1:103:A:GLU:HG3	16	0.2
(1,355)	1:102:A:VAL:HG22	1:103:A:GLU:HG3	16	0.2
(1,355)	1:102:A:VAL:HG23	1:103:A:GLU:HG3	16	0.2
(1,133)	1:109:A:LYS:HA	1:109:A:LYS:HE3	4	0.2
(1,115)	1:26:A:LEU:HB3	1:49:A:VAL:HG11	7	0.2
(1,115)	1:26:A:LEU:HB3	1:49:A:VAL:HG12	7	0.2
(1,115)	1:26:A:LEU:HB3	1:49:A:VAL:HG13	7	0.2
(1,115)	1:26:A:LEU:HB3	1:49:A:VAL:HG11	14	0.2
(1,115)	1:26:A:LEU:HB3	1:49:A:VAL:HG12	14	0.2
(1,115)	1:26:A:LEU:HB3	1:49:A:VAL:HG13	14	0.2
(1,31)	1:1:A:MET:HB2	1:16:A:LEU:HB3	14	0.2
(1,31)	1:1:A:MET:HB3	1:16:A:LEU:HB3	14	0.2
(1,2910)	1:39:A:TRP:HZ2	1:84:A:MET:HB3	6	0.19
(1,2877)	1:69:A:TRP:HD1	1:70:A:PRO:HD3	13	0.19
(1,2712)	1:60:A:VAL:HG21	1:90:A:GLN:HE21	16	0.19
(1,2712)	1:60:A:VAL:HG22	1:90:A:GLN:HE21	16	0.19
(1,2712)	1:60:A:VAL:HG23	1:90:A:GLN:HE21	16	0.19
(1,2539)	1:111:A:ILE:H	1:111:A:ILE:HG13	11	0.19
(1,2522)	1:24:A:LYS:HB3	1:25:A:LEU:H	13	0.19
(1,2486)	1:20:A:TYR:H	1:20:A:TYR:HB3	12	0.19
(1,2458)	1:88:A:LYS:H	1:88:A:LYS:HB2	5	0.19
(1,2403)	1:59:A:GLU:H	1:59:A:GLU:HB3	7	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2361)	1:7:A:PHE:HB2	1:8:A:GLU:H	5	0.19
(1,2315)	1:16:A:LEU:HB2	1:17:A:ASN:H	13	0.19
(1,2297)	1:62:A:GLU:HB3	1:65:A:ASP:H	17	0.19
(1,2254)	1:51:A:VAL:H	1:51:A:VAL:HG21	14	0.19
(1,2254)	1:51:A:VAL:H	1:51:A:VAL:HG22	14	0.19
(1,2254)	1:51:A:VAL:H	1:51:A:VAL:HG23	14	0.19
(1,2213)	1:16:A:LEU:H	1:16:A:LEU:HB3	6	0.19
(1,2155)	1:54:A:MET:H	1:96:A:ASN:HD21	9	0.19
(1,1991)	1:69:A:TRP:H	1:70:A:PRO:HD2	7	0.19
(1,1991)	1:69:A:TRP:H	1:70:A:PRO:HD2	14	0.19
(1,1636)	1:85:A:SER:HA	1:90:A:GLN:HG2	19	0.19
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG11	20	0.19
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG12	20	0.19
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG13	20	0.19
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG11	20	0.19
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG12	20	0.19
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG13	20	0.19
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG11	20	0.19
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG12	20	0.19
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG13	20	0.19
(1,1398)	1:26:A:LEU:HB2	1:49:A:VAL:HG11	1	0.19
(1,1398)	1:26:A:LEU:HB2	1:49:A:VAL:HG12	1	0.19
(1,1398)	1:26:A:LEU:HB2	1:49:A:VAL:HG13	1	0.19
(1,1392)	1:49:A:VAL:H	1:49:A:VAL:HG11	14	0.19
(1,1392)	1:49:A:VAL:H	1:49:A:VAL:HG12	14	0.19
(1,1392)	1:49:A:VAL:H	1:49:A:VAL:HG13	14	0.19
(1,1345)	1:2:A:ARG:HE	1:13:A:VAL:HG21	16	0.19
(1,1345)	1:2:A:ARG:HE	1:13:A:VAL:HG22	16	0.19
(1,1345)	1:2:A:ARG:HE	1:13:A:VAL:HG23	16	0.19
(1,1317)	1:81:A:LYS:HG2	1:89:A:ILE:HA	18	0.19
(1,1303)	1:22:A:VAL:HG21	1:23:A:VAL:HB	15	0.19
(1,1303)	1:22:A:VAL:HG22	1:23:A:VAL:HB	15	0.19
(1,1303)	1:22:A:VAL:HG23	1:23:A:VAL:HB	15	0.19
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG21	15	0.19
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG22	15	0.19
(1,1281)	1:30:A:ILE:HG12	1:119:A:VAL:HG23	15	0.19
(1,1268)	1:119:A:VAL:HG21	1:120:A:ARG:HG2	3	0.19
(1,1268)	1:119:A:VAL:HG22	1:120:A:ARG:HG2	3	0.19
(1,1268)	1:119:A:VAL:HG23	1:120:A:ARG:HG2	3	0.19
(1,1223)	1:21:A:GLU:HA	1:51:A:VAL:HG21	19	0.19
(1,1223)	1:21:A:GLU:HA	1:51:A:VAL:HG22	19	0.19
(1,1223)	1:21:A:GLU:HA	1:51:A:VAL:HG23	19	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1193)	1:69:A:TRP:HA	1:95:A:VAL:HG11	19	0.19
(1,1193)	1:69:A:TRP:HA	1:95:A:VAL:HG12	19	0.19
(1,1193)	1:69:A:TRP:HA	1:95:A:VAL:HG13	19	0.19
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG21	20	0.19
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG22	20	0.19
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG23	20	0.19
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG21	20	0.19
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG22	20	0.19
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG23	20	0.19
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG21	20	0.19
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG22	20	0.19
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG23	20	0.19
(1,1084)	1:15:A:ASP:HB2	1:16:A:LEU:HD21	18	0.19
(1,1084)	1:15:A:ASP:HB2	1:16:A:LEU:HD22	18	0.19
(1,1084)	1:15:A:ASP:HB2	1:16:A:LEU:HD23	18	0.19
(1,948)	1:1:A:MET:HB2	1:16:A:LEU:HD11	17	0.19
(1,948)	1:1:A:MET:HB2	1:16:A:LEU:HD12	17	0.19
(1,948)	1:1:A:MET:HB2	1:16:A:LEU:HD13	17	0.19
(1,948)	1:1:A:MET:HB3	1:16:A:LEU:HD11	17	0.19
(1,948)	1:1:A:MET:HB3	1:16:A:LEU:HD12	17	0.19
(1,948)	1:1:A:MET:HB3	1:16:A:LEU:HD13	17	0.19
(1,931)	1:105:A:LEU:HD11	1:106:A:GLU:H	2	0.19
(1,931)	1:105:A:LEU:HD12	1:106:A:GLU:H	2	0.19
(1,931)	1:105:A:LEU:HD13	1:106:A:GLU:H	2	0.19
(1,868)	1:119:A:VAL:HG21	1:120:A:ARG:HG3	14	0.19
(1,868)	1:119:A:VAL:HG22	1:120:A:ARG:HG3	14	0.19
(1,868)	1:119:A:VAL:HG23	1:120:A:ARG:HG3	14	0.19
(1,838)	1:78:A:PHE:HZ	1:91:A:PRO:HG2	3	0.19
(1,833)	1:7:A:PHE:HB2	1:111:A:ILE:HG12	1	0.19
(1,691)	1:62:A:GLU:HA	1:63:A:ILE:HG12	11	0.19
(1,691)	1:62:A:GLU:HA	1:63:A:ILE:HG12	14	0.19
(1,671)	1:110:A:LYS:H	1:110:A:LYS:HD2	1	0.19
(1,619)	1:59:A:GLU:HB2	1:94:A:ALA:HB1	3	0.19
(1,619)	1:59:A:GLU:HB2	1:94:A:ALA:HB2	3	0.19
(1,619)	1:59:A:GLU:HB2	1:94:A:ALA:HB3	3	0.19
(1,235)	1:78:A:PHE:HB2	1:80:A:GLY:H	4	0.19
(1,229)	1:50:A:ASN:HB3	1:73:A:LYS:HD2	17	0.19
(1,229)	1:50:A:ASN:HB3	1:73:A:LYS:HD3	17	0.19
(1,209)	1:30:A:ILE:HA	1:32:A:PHE:HB2	19	0.19
(1,186)	1:107:A:ASP:HB3	1:111:A:ILE:HD11	17	0.19
(1,186)	1:107:A:ASP:HB3	1:111:A:ILE:HD12	17	0.19
(1,186)	1:107:A:ASP:HB3	1:111:A:ILE:HD13	17	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,157)	1:112:A:LYS:HA	1:113:A:ASP:HB3	10	0.19
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG21	8	0.19
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG22	8	0.19
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG23	8	0.19
(1,77)	1:2:A:ARG:HD3	1:15:A:ASP:HB3	8	0.19
(1,2873)	1:32:A:PHE:HZ	1:119:A:VAL:HG11	13	0.18
(1,2873)	1:32:A:PHE:HZ	1:119:A:VAL:HG12	13	0.18
(1,2873)	1:32:A:PHE:HZ	1:119:A:VAL:HG13	13	0.18
(1,2829)	1:27:A:LYS:HG3	1:121:A:PHE:HZ	6	0.18
(1,2781)	1:65:A:ASP:HB3	1:78:A:PHE:HD1	14	0.18
(1,2781)	1:65:A:ASP:HB3	1:78:A:PHE:HD2	14	0.18
(1,2631)	1:105:A:LEU:HB2	1:106:A:GLU:H	7	0.18
(1,2425)	1:11:A:LYS:H	1:107:A:ASP:HB3	17	0.18
(1,2119)	1:50:A:ASN:H	1:50:A:ASN:HB2	17	0.18
(1,1937)	1:31:A:PRO:HB2	1:120:A:ARG:HA	5	0.18
(1,1919)	1:6:A:LEU:HA	1:7:A:PHE:HB3	18	0.18
(1,1759)	1:2:A:ARG:HA	1:15:A:ASP:HB3	7	0.18
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG21	2	0.18
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG22	2	0.18
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG23	2	0.18
(1,1574)	1:7:A:PHE:HB2	1:111:A:ILE:HG21	20	0.18
(1,1574)	1:7:A:PHE:HB2	1:111:A:ILE:HG22	20	0.18
(1,1574)	1:7:A:PHE:HB2	1:111:A:ILE:HG23	20	0.18
(1,1398)	1:26:A:LEU:HB2	1:49:A:VAL:HG11	11	0.18
(1,1398)	1:26:A:LEU:HB2	1:49:A:VAL:HG12	11	0.18
(1,1398)	1:26:A:LEU:HB2	1:49:A:VAL:HG13	11	0.18
(1,1392)	1:49:A:VAL:H	1:49:A:VAL:HG11	4	0.18
(1,1392)	1:49:A:VAL:H	1:49:A:VAL:HG12	4	0.18
(1,1392)	1:49:A:VAL:H	1:49:A:VAL:HG13	4	0.18
(1,1286)	1:13:A:VAL:HG11	1:103:A:GLU:H	6	0.18
(1,1286)	1:13:A:VAL:HG12	1:103:A:GLU:H	6	0.18
(1,1286)	1:13:A:VAL:HG13	1:103:A:GLU:H	6	0.18
(1,1280)	1:32:A:PHE:HA	1:119:A:VAL:HG21	19	0.18
(1,1280)	1:32:A:PHE:HA	1:119:A:VAL:HG22	19	0.18
(1,1280)	1:32:A:PHE:HA	1:119:A:VAL:HG23	19	0.18
(1,1224)	1:22:A:VAL:HA	1:51:A:VAL:HG21	7	0.18
(1,1224)	1:22:A:VAL:HA	1:51:A:VAL:HG22	7	0.18
(1,1224)	1:22:A:VAL:HA	1:51:A:VAL:HG23	7	0.18
(1,1136)	1:25:A:LEU:H	1:49:A:VAL:HG21	1	0.18
(1,1136)	1:25:A:LEU:H	1:49:A:VAL:HG22	1	0.18
(1,1136)	1:25:A:LEU:H	1:49:A:VAL:HG23	1	0.18
(1,1077)	1:16:A:LEU:HD21	1:100:A:LYS:H	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1077)	1:16:A:LEU:HD22	1:100:A:LYS:H	17	0.18
(1,1077)	1:16:A:LEU:HD23	1:100:A:LYS:H	17	0.18
(1,990)	1:75:A:LEU:HA	1:75:A:LEU:HD21	12	0.18
(1,990)	1:75:A:LEU:HA	1:75:A:LEU:HD22	12	0.18
(1,990)	1:75:A:LEU:HA	1:75:A:LEU:HD23	12	0.18
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD21	8	0.18
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD22	8	0.18
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD23	8	0.18
(1,972)	1:45:A:PHE:HE1	1:75:A:LEU:HD11	6	0.18
(1,972)	1:45:A:PHE:HE1	1:75:A:LEU:HD12	6	0.18
(1,972)	1:45:A:PHE:HE1	1:75:A:LEU:HD13	6	0.18
(1,972)	1:45:A:PHE:HE2	1:75:A:LEU:HD11	6	0.18
(1,972)	1:45:A:PHE:HE2	1:75:A:LEU:HD12	6	0.18
(1,972)	1:45:A:PHE:HE2	1:75:A:LEU:HD13	6	0.18
(1,963)	1:79:A:PHE:HA	1:105:A:LEU:HD21	13	0.18
(1,963)	1:79:A:PHE:HA	1:105:A:LEU:HD22	13	0.18
(1,963)	1:79:A:PHE:HA	1:105:A:LEU:HD23	13	0.18
(1,952)	1:18:A:GLU:HB2	1:24:A:LYS:HG2	1	0.18
(1,952)	1:18:A:GLU:HB2	1:24:A:LYS:HG2	10	0.18
(1,868)	1:119:A:VAL:HG21	1:120:A:ARG:HG3	2	0.18
(1,868)	1:119:A:VAL:HG22	1:120:A:ARG:HG3	2	0.18
(1,868)	1:119:A:VAL:HG23	1:120:A:ARG:HG3	2	0.18
(1,868)	1:119:A:VAL:HG21	1:120:A:ARG:HG3	8	0.18
(1,868)	1:119:A:VAL:HG22	1:120:A:ARG:HG3	8	0.18
(1,868)	1:119:A:VAL:HG23	1:120:A:ARG:HG3	8	0.18
(1,820)	1:110:A:LYS:H	1:111:A:ILE:HG13	20	0.18
(1,782)	1:47:A:THR:HB	1:48:A:PRO:HG3	20	0.18
(1,776)	1:32:A:PHE:HB2	1:48:A:PRO:HG2	7	0.18
(1,776)	1:32:A:PHE:HB3	1:48:A:PRO:HG2	7	0.18
(1,759)	1:5:A:LEU:HD21	1:12:A:CYS:H	2	0.18
(1,759)	1:5:A:LEU:HD22	1:12:A:CYS:H	2	0.18
(1,759)	1:5:A:LEU:HD23	1:12:A:CYS:H	2	0.18
(1,739)	1:2:A:ARG:HG3	1:15:A:ASP:HB2	5	0.18
(1,739)	1:2:A:ARG:HG3	1:15:A:ASP:HB3	5	0.18
(1,691)	1:62:A:GLU:HA	1:63:A:ILE:HG12	2	0.18
(1,669)	1:63:A:ILE:H	1:63:A:ILE:HG12	16	0.18
(1,669)	1:63:A:ILE:H	1:63:A:ILE:HG12	19	0.18
(1,632)	1:58:A:ARG:HG2	1:97:A:VAL:HB	4	0.18
(1,599)	1:12:A:CYS:HB2	1:13:A:VAL:H	14	0.18
(1,547)	1:62:A:GLU:H	1:62:A:GLU:HB3	6	0.18
(1,465)	1:58:A:ARG:HB3	1:95:A:VAL:HG21	9	0.18
(1,465)	1:58:A:ARG:HB3	1:95:A:VAL:HG22	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,465)	1:58:A:ARG:HB3	1:95:A:VAL:HG23	9	0.18
(1,344)	1:41:A:GLU:HG2	1:79:A:PHE:HD1	13	0.18
(1,344)	1:41:A:GLU:HG2	1:79:A:PHE:HD2	13	0.18
(1,243)	1:7:A:PHE:HB2	1:115:A:GLU:HB2	17	0.18
(1,235)	1:78:A:PHE:HB2	1:80:A:GLY:H	12	0.18
(1,230)	1:50:A:ASN:HB3	1:73:A:LYS:HG2	10	0.18
(1,230)	1:50:A:ASN:HB3	1:73:A:LYS:HG3	10	0.18
(1,159)	1:37:A:ASN:HB2	1:38:A:THR:H	12	0.18
(1,158)	1:62:A:GLU:HB3	1:65:A:ASP:HB2	4	0.18
(1,155)	1:112:A:LYS:HB2	1:113:A:ASP:HB3	19	0.18
(1,131)	1:79:A:PHE:HE1	1:109:A:LYS:HE3	19	0.18
(1,131)	1:79:A:PHE:HE2	1:109:A:LYS:HE3	19	0.18
(1,130)	1:109:A:LYS:HG3	1:109:A:LYS:HE3	13	0.18
(1,122)	1:112:A:LYS:HG2	1:112:A:LYS:HE2	20	0.18
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG11	8	0.17
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG12	8	0.17
(1,2862)	1:45:A:PHE:HZ	1:119:A:VAL:HG13	8	0.17
(1,2522)	1:24:A:LYS:HB3	1:25:A:LEU:H	19	0.17
(1,2473)	1:76:A:CYS:H	1:76:A:CYS:HB3	11	0.17
(1,2298)	1:61:A:VAL:HG11	1:65:A:ASP:H	8	0.17
(1,2298)	1:61:A:VAL:HG12	1:65:A:ASP:H	8	0.17
(1,2298)	1:61:A:VAL:HG13	1:65:A:ASP:H	8	0.17
(1,2298)	1:61:A:VAL:HG11	1:65:A:ASP:H	15	0.17
(1,2298)	1:61:A:VAL:HG12	1:65:A:ASP:H	15	0.17
(1,2298)	1:61:A:VAL:HG13	1:65:A:ASP:H	15	0.17
(1,2286)	1:22:A:VAL:HG11	1:26:A:LEU:H	16	0.17
(1,2286)	1:22:A:VAL:HG12	1:26:A:LEU:H	16	0.17
(1,2286)	1:22:A:VAL:HG13	1:26:A:LEU:H	16	0.17
(1,2141)	1:7:A:PHE:H	1:7:A:PHE:HB3	4	0.17
(1,2135)	1:39:A:TRP:H	1:42:A:GLU:HB2	19	0.17
(1,2041)	1:54:A:MET:HB3	1:57:A:PRO:HD2	11	0.17
(1,2041)	1:54:A:MET:HB3	1:57:A:PRO:HD3	11	0.17
(1,1991)	1:69:A:TRP:H	1:70:A:PRO:HD2	17	0.17
(1,1925)	1:78:A:PHE:HB3	1:89:A:ILE:HD11	18	0.17
(1,1925)	1:78:A:PHE:HB3	1:89:A:ILE:HD12	18	0.17
(1,1925)	1:78:A:PHE:HB3	1:89:A:ILE:HD13	18	0.17
(1,1895)	1:27:A:LYS:HG3	1:30:A:ILE:HD11	18	0.17
(1,1895)	1:27:A:LYS:HG3	1:30:A:ILE:HD12	18	0.17
(1,1895)	1:27:A:LYS:HG3	1:30:A:ILE:HD13	18	0.17
(1,1759)	1:2:A:ARG:HA	1:15:A:ASP:HB3	13	0.17
(1,1729)	1:65:A:ASP:HA	1:100:A:LYS:HB2	6	0.17
(1,1495)	1:95:A:VAL:HG21	1:96:A:ASN:HA	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1495)	1:95:A:VAL:HG22	1:96:A:ASN:HA	19	0.17
(1,1495)	1:95:A:VAL:HG23	1:96:A:ASN:HA	19	0.17
(1,1364)	1:60:A:VAL:H	1:60:A:VAL:HG21	14	0.17
(1,1364)	1:60:A:VAL:H	1:60:A:VAL:HG22	14	0.17
(1,1364)	1:60:A:VAL:H	1:60:A:VAL:HG23	14	0.17
(1,1288)	1:5:A:LEU:H	1:13:A:VAL:HG11	19	0.17
(1,1288)	1:5:A:LEU:H	1:13:A:VAL:HG12	19	0.17
(1,1288)	1:5:A:LEU:H	1:13:A:VAL:HG13	19	0.17
(1,1268)	1:119:A:VAL:HG21	1:120:A:ARG:HG2	19	0.17
(1,1268)	1:119:A:VAL:HG22	1:120:A:ARG:HG2	19	0.17
(1,1268)	1:119:A:VAL:HG23	1:120:A:ARG:HG2	19	0.17
(1,1031)	1:26:A:LEU:HD11	1:32:A:PHE:HZ	19	0.17
(1,1031)	1:26:A:LEU:HD12	1:32:A:PHE:HZ	19	0.17
(1,1031)	1:26:A:LEU:HD13	1:32:A:PHE:HZ	19	0.17
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD11	19	0.17
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD12	19	0.17
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD13	19	0.17
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD11	19	0.17
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD12	19	0.17
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD13	19	0.17
(1,854)	1:61:A:VAL:HG21	1:91:A:PRO:HG2	2	0.17
(1,854)	1:61:A:VAL:HG22	1:91:A:PRO:HG2	2	0.17
(1,854)	1:61:A:VAL:HG23	1:91:A:PRO:HG2	2	0.17
(1,854)	1:61:A:VAL:HG21	1:91:A:PRO:HG2	14	0.17
(1,854)	1:61:A:VAL:HG22	1:91:A:PRO:HG2	14	0.17
(1,854)	1:61:A:VAL:HG23	1:91:A:PRO:HG2	14	0.17
(1,826)	1:7:A:PHE:HD1	1:111:A:ILE:HG12	15	0.17
(1,826)	1:7:A:PHE:HD1	1:111:A:ILE:HG12	19	0.17
(1,759)	1:5:A:LEU:HD21	1:12:A:CYS:H	15	0.17
(1,759)	1:5:A:LEU:HD22	1:12:A:CYS:H	15	0.17
(1,759)	1:5:A:LEU:HD23	1:12:A:CYS:H	15	0.17
(1,716)	1:39:A:TRP:HB3	1:42:A:GLU:HB2	9	0.17
(1,690)	1:63:A:ILE:HG12	1:64:A:GLY:H	20	0.17
(1,669)	1:63:A:ILE:H	1:63:A:ILE:HG12	6	0.17
(1,669)	1:63:A:ILE:H	1:63:A:ILE:HG12	9	0.17
(1,632)	1:58:A:ARG:HG2	1:97:A:VAL:HB	11	0.17
(1,547)	1:62:A:GLU:H	1:62:A:GLU:HB3	15	0.17
(1,469)	1:60:A:VAL:HG11	1:88:A:LYS:HB3	3	0.17
(1,469)	1:60:A:VAL:HG12	1:88:A:LYS:HB3	3	0.17
(1,469)	1:60:A:VAL:HG13	1:88:A:LYS:HB3	3	0.17
(1,469)	1:60:A:VAL:HG11	1:88:A:LYS:HB2	3	0.17
(1,469)	1:60:A:VAL:HG12	1:88:A:LYS:HB2	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,469)	1:60:A:VAL:HG13	1:88:A:LYS:HB2	3	0.17
(1,464)	1:57:A:PRO:HA	1:58:A:ARG:HB3	19	0.17
(1,404)	1:21:A:GLU:HG3	1:51:A:VAL:HG11	6	0.17
(1,404)	1:21:A:GLU:HG3	1:51:A:VAL:HG12	6	0.17
(1,404)	1:21:A:GLU:HG3	1:51:A:VAL:HG13	6	0.17
(1,404)	1:21:A:GLU:HG3	1:51:A:VAL:HG11	7	0.17
(1,404)	1:21:A:GLU:HG3	1:51:A:VAL:HG12	7	0.17
(1,404)	1:21:A:GLU:HG3	1:51:A:VAL:HG13	7	0.17
(1,209)	1:30:A:ILE:HA	1:32:A:PHE:HB2	8	0.17
(1,130)	1:109:A:LYS:HG3	1:109:A:LYS:HE3	20	0.17
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA2	15	0.17
(1,40)	1:7:A:PHE:HB3	1:10:A:GLY:HA3	15	0.17
(1,2674)	1:25:A:LEU:HD21	1:28:A:GLU:H	2	0.16
(1,2674)	1:25:A:LEU:HD22	1:28:A:GLU:H	2	0.16
(1,2674)	1:25:A:LEU:HD23	1:28:A:GLU:H	2	0.16
(1,2552)	1:110:A:LYS:H	1:110:A:LYS:HB2	11	0.16
(1,2549)	1:109:A:LYS:HG2	1:110:A:LYS:H	4	0.16
(1,2514)	1:60:A:VAL:H	1:61:A:VAL:HG21	13	0.16
(1,2514)	1:60:A:VAL:H	1:61:A:VAL:HG22	13	0.16
(1,2514)	1:60:A:VAL:H	1:61:A:VAL:HG23	13	0.16
(1,2486)	1:20:A:TYR:H	1:20:A:TYR:HB3	4	0.16
(1,2428)	1:11:A:LYS:H	1:11:A:LYS:HG3	19	0.16
(1,2403)	1:59:A:GLU:H	1:59:A:GLU:HB3	19	0.16
(1,2315)	1:16:A:LEU:HB2	1:17:A:ASN:H	2	0.16
(1,2239)	1:33:A:GLU:HG3	1:119:A:VAL:H	1	0.16
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG21	19	0.16
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG22	19	0.16
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG23	19	0.16
(1,1991)	1:69:A:TRP:H	1:70:A:PRO:HD2	15	0.16
(1,1940)	1:6:A:LEU:HA	1:11:A:LYS:HG2	16	0.16
(1,1937)	1:31:A:PRO:HB2	1:120:A:ARG:HA	16	0.16
(1,1919)	1:6:A:LEU:HA	1:7:A:PHE:HB3	7	0.16
(1,1772)	1:30:A:ILE:HG21	1:31:A:PRO:HB2	10	0.16
(1,1772)	1:30:A:ILE:HG22	1:31:A:PRO:HB2	10	0.16
(1,1772)	1:30:A:ILE:HG23	1:31:A:PRO:HB2	10	0.16
(1,1711)	1:61:A:VAL:HG11	1:78:A:PHE:HB3	5	0.16
(1,1711)	1:61:A:VAL:HG12	1:78:A:PHE:HB3	5	0.16
(1,1711)	1:61:A:VAL:HG13	1:78:A:PHE:HB3	5	0.16
(1,1702)	1:7:A:PHE:HE1	1:108:A:LEU:HA	6	0.16
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG11	13	0.16
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG12	13	0.16
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG13	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1364)	1:60:A:VAL:H	1:60:A:VAL:HG21	18	0.16
(1,1364)	1:60:A:VAL:H	1:60:A:VAL:HG22	18	0.16
(1,1364)	1:60:A:VAL:H	1:60:A:VAL:HG23	18	0.16
(1,1268)	1:119:A:VAL:HG21	1:120:A:ARG:HG2	6	0.16
(1,1268)	1:119:A:VAL:HG22	1:120:A:ARG:HG2	6	0.16
(1,1268)	1:119:A:VAL:HG23	1:120:A:ARG:HG2	6	0.16
(1,1261)	1:60:A:VAL:HG11	1:61:A:VAL:H	6	0.16
(1,1261)	1:60:A:VAL:HG12	1:61:A:VAL:H	6	0.16
(1,1261)	1:60:A:VAL:HG13	1:61:A:VAL:H	6	0.16
(1,1224)	1:22:A:VAL:HA	1:51:A:VAL:HG21	17	0.16
(1,1224)	1:22:A:VAL:HA	1:51:A:VAL:HG22	17	0.16
(1,1224)	1:22:A:VAL:HA	1:51:A:VAL:HG23	17	0.16
(1,1206)	1:102:A:VAL:HA	1:102:A:VAL:HG11	14	0.16
(1,1206)	1:102:A:VAL:HA	1:102:A:VAL:HG12	14	0.16
(1,1206)	1:102:A:VAL:HA	1:102:A:VAL:HG13	14	0.16
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG11	5	0.16
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG12	5	0.16
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG13	5	0.16
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG11	5	0.16
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG12	5	0.16
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG13	5	0.16
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG11	5	0.16
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG12	5	0.16
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG13	5	0.16
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG11	13	0.16
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG12	13	0.16
(1,1037)	1:26:A:LEU:HD11	1:49:A:VAL:HG13	13	0.16
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG11	13	0.16
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG12	13	0.16
(1,1037)	1:26:A:LEU:HD12	1:49:A:VAL:HG13	13	0.16
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG11	13	0.16
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG12	13	0.16
(1,1037)	1:26:A:LEU:HD13	1:49:A:VAL:HG13	13	0.16
(1,1024)	1:29:A:LYS:HG3	1:49:A:VAL:HG11	6	0.16
(1,1024)	1:29:A:LYS:HG3	1:49:A:VAL:HG12	6	0.16
(1,1024)	1:29:A:LYS:HG3	1:49:A:VAL:HG13	6	0.16
(1,1010)	1:6:A:LEU:HD11	1:117:A:VAL:HG21	7	0.16
(1,1010)	1:6:A:LEU:HD11	1:117:A:VAL:HG22	7	0.16
(1,1010)	1:6:A:LEU:HD11	1:117:A:VAL:HG23	7	0.16
(1,1010)	1:6:A:LEU:HD12	1:117:A:VAL:HG21	7	0.16
(1,1010)	1:6:A:LEU:HD12	1:117:A:VAL:HG22	7	0.16
(1,1010)	1:6:A:LEU:HD12	1:117:A:VAL:HG23	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1010)	1:6:A:LEU:HD13	1:117:A:VAL:HG21	7	0.16
(1,1010)	1:6:A:LEU:HD13	1:117:A:VAL:HG22	7	0.16
(1,1010)	1:6:A:LEU:HD13	1:117:A:VAL:HG23	7	0.16
(1,1010)	1:6:A:LEU:HD21	1:117:A:VAL:HG21	7	0.16
(1,1010)	1:6:A:LEU:HD21	1:117:A:VAL:HG22	7	0.16
(1,1010)	1:6:A:LEU:HD21	1:117:A:VAL:HG23	7	0.16
(1,1010)	1:6:A:LEU:HD22	1:117:A:VAL:HG21	7	0.16
(1,1010)	1:6:A:LEU:HD22	1:117:A:VAL:HG22	7	0.16
(1,1010)	1:6:A:LEU:HD22	1:117:A:VAL:HG23	7	0.16
(1,1010)	1:6:A:LEU:HD23	1:117:A:VAL:HG21	7	0.16
(1,1010)	1:6:A:LEU:HD23	1:117:A:VAL:HG22	7	0.16
(1,1010)	1:6:A:LEU:HD23	1:117:A:VAL:HG23	7	0.16
(1,990)	1:75:A:LEU:HA	1:75:A:LEU:HD21	4	0.16
(1,990)	1:75:A:LEU:HA	1:75:A:LEU:HD22	4	0.16
(1,990)	1:75:A:LEU:HA	1:75:A:LEU:HD23	4	0.16
(1,990)	1:75:A:LEU:HA	1:75:A:LEU:HD21	8	0.16
(1,990)	1:75:A:LEU:HA	1:75:A:LEU:HD22	8	0.16
(1,990)	1:75:A:LEU:HA	1:75:A:LEU:HD23	8	0.16
(1,966)	1:64:A:GLY:HA2	1:105:A:LEU:HD21	15	0.16
(1,966)	1:64:A:GLY:HA2	1:105:A:LEU:HD22	15	0.16
(1,966)	1:64:A:GLY:HA2	1:105:A:LEU:HD23	15	0.16
(1,868)	1:119:A:VAL:HG21	1:120:A:ARG:HG3	13	0.16
(1,868)	1:119:A:VAL:HG22	1:120:A:ARG:HG3	13	0.16
(1,868)	1:119:A:VAL:HG23	1:120:A:ARG:HG3	13	0.16
(1,691)	1:62:A:GLU:HA	1:63:A:ILE:HG12	10	0.16
(1,619)	1:59:A:GLU:HB2	1:94:A:ALA:HB1	6	0.16
(1,619)	1:59:A:GLU:HB2	1:94:A:ALA:HB2	6	0.16
(1,619)	1:59:A:GLU:HB2	1:94:A:ALA:HB3	6	0.16
(1,547)	1:62:A:GLU:H	1:62:A:GLU:HB3	11	0.16
(1,497)	1:29:A:LYS:HB2	1:49:A:VAL:HG11	3	0.16
(1,497)	1:29:A:LYS:HB2	1:49:A:VAL:HG12	3	0.16
(1,497)	1:29:A:LYS:HB2	1:49:A:VAL:HG13	3	0.16
(1,465)	1:58:A:ARG:HB3	1:95:A:VAL:HG21	11	0.16
(1,465)	1:58:A:ARG:HB3	1:95:A:VAL:HG22	11	0.16
(1,465)	1:58:A:ARG:HB3	1:95:A:VAL:HG23	11	0.16
(1,457)	1:13:A:VAL:HG11	1:103:A:GLU:HB2	6	0.16
(1,457)	1:13:A:VAL:HG12	1:103:A:GLU:HB2	6	0.16
(1,457)	1:13:A:VAL:HG13	1:103:A:GLU:HB2	6	0.16
(1,422)	1:60:A:VAL:HB	1:61:A:VAL:HG21	8	0.16
(1,422)	1:60:A:VAL:HB	1:61:A:VAL:HG22	8	0.16
(1,422)	1:60:A:VAL:HB	1:61:A:VAL:HG23	8	0.16
(1,389)	1:62:A:GLU:HB2	1:62:A:GLU:HG2	20	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,360)	1:105:A:LEU:HD11	1:106:A:GLU:HG2	18	0.16
(1,360)	1:105:A:LEU:HD11	1:106:A:GLU:HG3	18	0.16
(1,360)	1:105:A:LEU:HD12	1:106:A:GLU:HG2	18	0.16
(1,360)	1:105:A:LEU:HD12	1:106:A:GLU:HG3	18	0.16
(1,360)	1:105:A:LEU:HD13	1:106:A:GLU:HG2	18	0.16
(1,360)	1:105:A:LEU:HD13	1:106:A:GLU:HG3	18	0.16
(1,287)	1:7:A:PHE:HB2	1:8:A:GLU:HG3	13	0.16
(1,209)	1:30:A:ILE:HA	1:32:A:PHE:HB2	6	0.16
(1,143)	1:6:A:LEU:HB2	1:118:A:ALA:H	9	0.16
(1,102)	1:58:A:ARG:HB2	1:58:A:ARG:HD3	3	0.16
(1,2873)	1:32:A:PHE:HZ	1:119:A:VAL:HG11	10	0.15
(1,2873)	1:32:A:PHE:HZ	1:119:A:VAL:HG12	10	0.15
(1,2873)	1:32:A:PHE:HZ	1:119:A:VAL:HG13	10	0.15
(1,2843)	1:26:A:LEU:HD11	1:32:A:PHE:HE1	16	0.15
(1,2843)	1:26:A:LEU:HD11	1:32:A:PHE:HE2	16	0.15
(1,2843)	1:26:A:LEU:HD12	1:32:A:PHE:HE1	16	0.15
(1,2843)	1:26:A:LEU:HD12	1:32:A:PHE:HE2	16	0.15
(1,2843)	1:26:A:LEU:HD13	1:32:A:PHE:HE1	16	0.15
(1,2843)	1:26:A:LEU:HD13	1:32:A:PHE:HE2	16	0.15
(1,2781)	1:65:A:ASP:HB3	1:78:A:PHE:HD1	17	0.15
(1,2781)	1:65:A:ASP:HB3	1:78:A:PHE:HD2	17	0.15
(1,2780)	1:61:A:VAL:HG11	1:78:A:PHE:HD1	20	0.15
(1,2780)	1:61:A:VAL:HG11	1:78:A:PHE:HD2	20	0.15
(1,2780)	1:61:A:VAL:HG12	1:78:A:PHE:HD1	20	0.15
(1,2780)	1:61:A:VAL:HG12	1:78:A:PHE:HD2	20	0.15
(1,2780)	1:61:A:VAL:HG13	1:78:A:PHE:HD1	20	0.15
(1,2780)	1:61:A:VAL:HG13	1:78:A:PHE:HD2	20	0.15
(1,2514)	1:60:A:VAL:H	1:61:A:VAL:HG21	10	0.15
(1,2514)	1:60:A:VAL:H	1:61:A:VAL:HG22	10	0.15
(1,2514)	1:60:A:VAL:H	1:61:A:VAL:HG23	10	0.15
(1,2514)	1:60:A:VAL:H	1:61:A:VAL:HG21	15	0.15
(1,2514)	1:60:A:VAL:H	1:61:A:VAL:HG22	15	0.15
(1,2514)	1:60:A:VAL:H	1:61:A:VAL:HG23	15	0.15
(1,2403)	1:59:A:GLU:H	1:59:A:GLU:HB3	15	0.15
(1,2361)	1:7:A:PHE:HB2	1:8:A:GLU:H	6	0.15
(1,2361)	1:7:A:PHE:HB2	1:8:A:GLU:H	8	0.15
(1,2298)	1:61:A:VAL:HG11	1:65:A:ASP:H	18	0.15
(1,2298)	1:61:A:VAL:HG12	1:65:A:ASP:H	18	0.15
(1,2298)	1:61:A:VAL:HG13	1:65:A:ASP:H	18	0.15
(1,2239)	1:33:A:GLU:HG3	1:119:A:VAL:H	9	0.15
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG21	14	0.15
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG22	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG23	14	0.15
(1,2146)	1:54:A:MET:H	1:54:A:MET:HB2	8	0.15
(1,2141)	1:7:A:PHE:H	1:7:A:PHE:HB3	17	0.15
(1,2048)	1:48:A:PRO:HD2	1:49:A:VAL:HG11	1	0.15
(1,2048)	1:48:A:PRO:HD2	1:49:A:VAL:HG12	1	0.15
(1,2048)	1:48:A:PRO:HD2	1:49:A:VAL:HG13	1	0.15
(1,1925)	1:78:A:PHE:HB3	1:89:A:ILE:HD11	11	0.15
(1,1925)	1:78:A:PHE:HB3	1:89:A:ILE:HD12	11	0.15
(1,1925)	1:78:A:PHE:HB3	1:89:A:ILE:HD13	11	0.15
(1,1919)	1:6:A:LEU:HA	1:7:A:PHE:HB3	10	0.15
(1,1916)	1:42:A:GLU:HA	1:42:A:GLU:HG2	5	0.15
(1,1759)	1:2:A:ARG:HA	1:15:A:ASP:HB3	18	0.15
(1,1711)	1:61:A:VAL:HG11	1:78:A:PHE:HB3	12	0.15
(1,1711)	1:61:A:VAL:HG12	1:78:A:PHE:HB3	12	0.15
(1,1711)	1:61:A:VAL:HG13	1:78:A:PHE:HB3	12	0.15
(1,1691)	1:28:A:GLU:HA	1:28:A:GLU:HG3	19	0.15
(1,1589)	1:123:A:SER:HA	1:123:A:SER:HB3	20	0.15
(1,1510)	1:13:A:VAL:HB	1:102:A:VAL:HG21	7	0.15
(1,1510)	1:13:A:VAL:HB	1:102:A:VAL:HG22	7	0.15
(1,1510)	1:13:A:VAL:HB	1:102:A:VAL:HG23	7	0.15
(1,1510)	1:13:A:VAL:HB	1:102:A:VAL:HG21	15	0.15
(1,1510)	1:13:A:VAL:HB	1:102:A:VAL:HG22	15	0.15
(1,1510)	1:13:A:VAL:HB	1:102:A:VAL:HG23	15	0.15
(1,1510)	1:13:A:VAL:HB	1:102:A:VAL:HG21	18	0.15
(1,1510)	1:13:A:VAL:HB	1:102:A:VAL:HG22	18	0.15
(1,1510)	1:13:A:VAL:HB	1:102:A:VAL:HG23	18	0.15
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG11	2	0.15
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG12	2	0.15
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG13	2	0.15
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG11	18	0.15
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG12	18	0.15
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG13	18	0.15
(1,1398)	1:26:A:LEU:HB2	1:49:A:VAL:HG11	4	0.15
(1,1398)	1:26:A:LEU:HB2	1:49:A:VAL:HG12	4	0.15
(1,1398)	1:26:A:LEU:HB2	1:49:A:VAL:HG13	4	0.15
(1,1381)	1:61:A:VAL:HG21	1:97:A:VAL:HG11	19	0.15
(1,1381)	1:61:A:VAL:HG21	1:97:A:VAL:HG12	19	0.15
(1,1381)	1:61:A:VAL:HG21	1:97:A:VAL:HG13	19	0.15
(1,1381)	1:61:A:VAL:HG22	1:97:A:VAL:HG11	19	0.15
(1,1381)	1:61:A:VAL:HG22	1:97:A:VAL:HG12	19	0.15
(1,1381)	1:61:A:VAL:HG22	1:97:A:VAL:HG13	19	0.15
(1,1381)	1:61:A:VAL:HG23	1:97:A:VAL:HG11	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1381)	1:61:A:VAL:HG23	1:97:A:VAL:HG12	19	0.15
(1,1381)	1:61:A:VAL:HG23	1:97:A:VAL:HG13	19	0.15
(1,1292)	1:13:A:VAL:HG11	1:103:A:GLU:HG2	16	0.15
(1,1292)	1:13:A:VAL:HG12	1:103:A:GLU:HG2	16	0.15
(1,1292)	1:13:A:VAL:HG13	1:103:A:GLU:HG2	16	0.15
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG11	7	0.15
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG12	7	0.15
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG13	7	0.15
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG11	15	0.15
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG12	15	0.15
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG13	15	0.15
(1,1288)	1:5:A:LEU:H	1:13:A:VAL:HG11	18	0.15
(1,1288)	1:5:A:LEU:H	1:13:A:VAL:HG12	18	0.15
(1,1288)	1:5:A:LEU:H	1:13:A:VAL:HG13	18	0.15
(1,1200)	1:61:A:VAL:HG21	1:95:A:VAL:HG11	11	0.15
(1,1200)	1:61:A:VAL:HG21	1:95:A:VAL:HG12	11	0.15
(1,1200)	1:61:A:VAL:HG21	1:95:A:VAL:HG13	11	0.15
(1,1200)	1:61:A:VAL:HG22	1:95:A:VAL:HG11	11	0.15
(1,1200)	1:61:A:VAL:HG22	1:95:A:VAL:HG12	11	0.15
(1,1200)	1:61:A:VAL:HG22	1:95:A:VAL:HG13	11	0.15
(1,1200)	1:61:A:VAL:HG23	1:95:A:VAL:HG11	11	0.15
(1,1200)	1:61:A:VAL:HG23	1:95:A:VAL:HG12	11	0.15
(1,1200)	1:61:A:VAL:HG23	1:95:A:VAL:HG13	11	0.15
(1,1024)	1:29:A:LYS:HG3	1:49:A:VAL:HG11	1	0.15
(1,1024)	1:29:A:LYS:HG3	1:49:A:VAL:HG12	1	0.15
(1,1024)	1:29:A:LYS:HG3	1:49:A:VAL:HG13	1	0.15
(1,1024)	1:29:A:LYS:HG3	1:49:A:VAL:HG11	16	0.15
(1,1024)	1:29:A:LYS:HG3	1:49:A:VAL:HG12	16	0.15
(1,1024)	1:29:A:LYS:HG3	1:49:A:VAL:HG13	16	0.15
(1,988)	1:45:A:PHE:HZ	1:75:A:LEU:HD21	20	0.15
(1,988)	1:45:A:PHE:HZ	1:75:A:LEU:HD22	20	0.15
(1,988)	1:45:A:PHE:HZ	1:75:A:LEU:HD23	20	0.15
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD21	18	0.15
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD22	18	0.15
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD23	18	0.15
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD21	18	0.15
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD22	18	0.15
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD23	18	0.15
(1,866)	1:58:A:ARG:HG3	1:60:A:VAL:H	12	0.15
(1,820)	1:110:A:LYS:H	1:111:A:ILE:HG13	18	0.15
(1,805)	1:29:A:LYS:HE2	1:48:A:PRO:HG3	3	0.15
(1,805)	1:29:A:LYS:HE3	1:48:A:PRO:HG3	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,794)	1:77:A:LEU:HD11	1:108:A:LEU:HD11	8	0.15
(1,794)	1:77:A:LEU:HD11	1:108:A:LEU:HD12	8	0.15
(1,794)	1:77:A:LEU:HD11	1:108:A:LEU:HD13	8	0.15
(1,794)	1:77:A:LEU:HD12	1:108:A:LEU:HD11	8	0.15
(1,794)	1:77:A:LEU:HD12	1:108:A:LEU:HD12	8	0.15
(1,794)	1:77:A:LEU:HD12	1:108:A:LEU:HD13	8	0.15
(1,794)	1:77:A:LEU:HD13	1:108:A:LEU:HD11	8	0.15
(1,794)	1:77:A:LEU:HD13	1:108:A:LEU:HD12	8	0.15
(1,794)	1:77:A:LEU:HD13	1:108:A:LEU:HD13	8	0.15
(1,786)	1:79:A:PHE:HE1	1:108:A:LEU:HD11	16	0.15
(1,786)	1:79:A:PHE:HE1	1:108:A:LEU:HD12	16	0.15
(1,786)	1:79:A:PHE:HE1	1:108:A:LEU:HD13	16	0.15
(1,786)	1:79:A:PHE:HE2	1:108:A:LEU:HD11	16	0.15
(1,786)	1:79:A:PHE:HE2	1:108:A:LEU:HD12	16	0.15
(1,786)	1:79:A:PHE:HE2	1:108:A:LEU:HD13	16	0.15
(1,649)	1:24:A:LYS:H	1:24:A:LYS:HD3	6	0.15
(1,649)	1:24:A:LYS:H	1:24:A:LYS:HD3	12	0.15
(1,547)	1:62:A:GLU:H	1:62:A:GLU:HB3	1	0.15
(1,547)	1:62:A:GLU:H	1:62:A:GLU:HB3	16	0.15
(1,519)	1:51:A:VAL:HG11	1:53:A:LYS:HB3	19	0.15
(1,519)	1:51:A:VAL:HG12	1:53:A:LYS:HB3	19	0.15
(1,519)	1:51:A:VAL:HG13	1:53:A:LYS:HB3	19	0.15
(1,513)	1:61:A:VAL:HB	1:78:A:PHE:HB3	1	0.15
(1,469)	1:60:A:VAL:HG11	1:88:A:LYS:HB3	18	0.15
(1,469)	1:60:A:VAL:HG12	1:88:A:LYS:HB3	18	0.15
(1,469)	1:60:A:VAL:HG13	1:88:A:LYS:HB3	18	0.15
(1,469)	1:60:A:VAL:HG11	1:88:A:LYS:HB2	18	0.15
(1,469)	1:60:A:VAL:HG12	1:88:A:LYS:HB2	18	0.15
(1,469)	1:60:A:VAL:HG13	1:88:A:LYS:HB2	18	0.15
(1,464)	1:57:A:PRO:HA	1:58:A:ARG:HB3	14	0.15
(1,376)	1:25:A:LEU:HD21	1:28:A:GLU:HG2	5	0.15
(1,376)	1:25:A:LEU:HD22	1:28:A:GLU:HG2	5	0.15
(1,376)	1:25:A:LEU:HD23	1:28:A:GLU:HG2	5	0.15
(1,360)	1:105:A:LEU:HD11	1:106:A:GLU:HG2	11	0.15
(1,360)	1:105:A:LEU:HD11	1:106:A:GLU:HG3	11	0.15
(1,360)	1:105:A:LEU:HD12	1:106:A:GLU:HG2	11	0.15
(1,360)	1:105:A:LEU:HD12	1:106:A:GLU:HG3	11	0.15
(1,360)	1:105:A:LEU:HD13	1:106:A:GLU:HG2	11	0.15
(1,360)	1:105:A:LEU:HD13	1:106:A:GLU:HG3	11	0.15
(1,354)	1:13:A:VAL:HG11	1:103:A:GLU:HG3	11	0.15
(1,354)	1:13:A:VAL:HG12	1:103:A:GLU:HG3	11	0.15
(1,354)	1:13:A:VAL:HG13	1:103:A:GLU:HG3	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,173)	1:65:A:ASP:HB2	1:97:A:VAL:HG21	13	0.15
(1,173)	1:65:A:ASP:HB2	1:97:A:VAL:HG22	13	0.15
(1,173)	1:65:A:ASP:HB2	1:97:A:VAL:HG23	13	0.15
(1,143)	1:6:A:LEU:HB2	1:118:A:ALA:H	3	0.15
(1,143)	1:6:A:LEU:HB2	1:118:A:ALA:H	4	0.15
(1,143)	1:6:A:LEU:HB2	1:118:A:ALA:H	5	0.15
(1,143)	1:6:A:LEU:HB2	1:118:A:ALA:H	10	0.15
(1,143)	1:6:A:LEU:HB2	1:118:A:ALA:H	13	0.15
(1,143)	1:6:A:LEU:HB2	1:118:A:ALA:H	16	0.15
(1,115)	1:26:A:LEU:HB3	1:49:A:VAL:HG11	1	0.15
(1,115)	1:26:A:LEU:HB3	1:49:A:VAL:HG12	1	0.15
(1,115)	1:26:A:LEU:HB3	1:49:A:VAL:HG13	1	0.15
(1,2873)	1:32:A:PHE:HZ	1:119:A:VAL:HG11	5	0.14
(1,2873)	1:32:A:PHE:HZ	1:119:A:VAL:HG12	5	0.14
(1,2873)	1:32:A:PHE:HZ	1:119:A:VAL:HG13	5	0.14
(1,2843)	1:26:A:LEU:HD11	1:32:A:PHE:HE1	2	0.14
(1,2843)	1:26:A:LEU:HD11	1:32:A:PHE:HE2	2	0.14
(1,2843)	1:26:A:LEU:HD12	1:32:A:PHE:HE1	2	0.14
(1,2843)	1:26:A:LEU:HD12	1:32:A:PHE:HE2	2	0.14
(1,2843)	1:26:A:LEU:HD13	1:32:A:PHE:HE1	2	0.14
(1,2843)	1:26:A:LEU:HD13	1:32:A:PHE:HE2	2	0.14
(1,2825)	1:7:A:PHE:HD1	1:36:A:VAL:HG11	2	0.14
(1,2825)	1:7:A:PHE:HD1	1:36:A:VAL:HG12	2	0.14
(1,2825)	1:7:A:PHE:HD1	1:36:A:VAL:HG13	2	0.14
(1,2825)	1:7:A:PHE:HD2	1:36:A:VAL:HG11	2	0.14
(1,2825)	1:7:A:PHE:HD2	1:36:A:VAL:HG12	2	0.14
(1,2825)	1:7:A:PHE:HD2	1:36:A:VAL:HG13	2	0.14
(1,2804)	1:3:A:VAL:HG21	1:121:A:PHE:HE1	2	0.14
(1,2804)	1:3:A:VAL:HG21	1:121:A:PHE:HE2	2	0.14
(1,2804)	1:3:A:VAL:HG22	1:121:A:PHE:HE1	2	0.14
(1,2804)	1:3:A:VAL:HG22	1:121:A:PHE:HE2	2	0.14
(1,2804)	1:3:A:VAL:HG23	1:121:A:PHE:HE1	2	0.14
(1,2804)	1:3:A:VAL:HG23	1:121:A:PHE:HE2	2	0.14
(1,2804)	1:3:A:VAL:HG21	1:121:A:PHE:HE1	11	0.14
(1,2804)	1:3:A:VAL:HG21	1:121:A:PHE:HE2	11	0.14
(1,2804)	1:3:A:VAL:HG22	1:121:A:PHE:HE1	11	0.14
(1,2804)	1:3:A:VAL:HG22	1:121:A:PHE:HE2	11	0.14
(1,2804)	1:3:A:VAL:HG23	1:121:A:PHE:HE1	11	0.14
(1,2804)	1:3:A:VAL:HG23	1:121:A:PHE:HE2	11	0.14
(1,2722)	1:61:A:VAL:HG21	1:95:A:VAL:H	18	0.14
(1,2722)	1:61:A:VAL:HG22	1:95:A:VAL:H	18	0.14
(1,2722)	1:61:A:VAL:HG23	1:95:A:VAL:H	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2539)	1:111:A:ILE:H	1:111:A:ILE:HG13	1	0.14
(1,2539)	1:111:A:ILE:H	1:111:A:ILE:HG13	8	0.14
(1,2539)	1:111:A:ILE:H	1:111:A:ILE:HG13	17	0.14
(1,2486)	1:20:A:TYR:H	1:20:A:TYR:HB3	8	0.14
(1,2361)	1:7:A:PHE:HB2	1:8:A:GLU:H	18	0.14
(1,2315)	1:16:A:LEU:HB2	1:17:A:ASN:H	16	0.14
(1,2298)	1:61:A:VAL:HG11	1:65:A:ASP:H	19	0.14
(1,2298)	1:61:A:VAL:HG12	1:65:A:ASP:H	19	0.14
(1,2298)	1:61:A:VAL:HG13	1:65:A:ASP:H	19	0.14
(1,2119)	1:50:A:ASN:H	1:50:A:ASN:HB2	18	0.14
(1,2016)	1:54:A:MET:HB3	1:96:A:ASN:HA	12	0.14
(1,1991)	1:69:A:TRP:H	1:70:A:PRO:HD2	11	0.14
(1,1916)	1:42:A:GLU:HA	1:42:A:GLU:HG2	19	0.14
(1,1753)	1:52:A:GLN:HA	1:70:A:PRO:HB2	6	0.14
(1,1753)	1:52:A:GLN:HA	1:70:A:PRO:HB2	10	0.14
(1,1636)	1:85:A:SER:HA	1:90:A:GLN:HG2	13	0.14
(1,1617)	1:43:A:ILE:HG21	1:108:A:LEU:HD21	6	0.14
(1,1617)	1:43:A:ILE:HG21	1:108:A:LEU:HD22	6	0.14
(1,1617)	1:43:A:ILE:HG21	1:108:A:LEU:HD23	6	0.14
(1,1617)	1:43:A:ILE:HG22	1:108:A:LEU:HD21	6	0.14
(1,1617)	1:43:A:ILE:HG22	1:108:A:LEU:HD22	6	0.14
(1,1617)	1:43:A:ILE:HG22	1:108:A:LEU:HD23	6	0.14
(1,1617)	1:43:A:ILE:HG23	1:108:A:LEU:HD21	6	0.14
(1,1617)	1:43:A:ILE:HG23	1:108:A:LEU:HD22	6	0.14
(1,1617)	1:43:A:ILE:HG23	1:108:A:LEU:HD23	6	0.14
(1,1589)	1:123:A:SER:HA	1:123:A:SER:HB3	18	0.14
(1,1587)	1:101:A:ILE:HG21	1:105:A:LEU:HB3	5	0.14
(1,1587)	1:101:A:ILE:HG22	1:105:A:LEU:HB3	5	0.14
(1,1587)	1:101:A:ILE:HG23	1:105:A:LEU:HB3	5	0.14
(1,1408)	1:22:A:VAL:HG11	1:51:A:VAL:HG11	18	0.14
(1,1408)	1:22:A:VAL:HG11	1:51:A:VAL:HG12	18	0.14
(1,1408)	1:22:A:VAL:HG11	1:51:A:VAL:HG13	18	0.14
(1,1408)	1:22:A:VAL:HG12	1:51:A:VAL:HG11	18	0.14
(1,1408)	1:22:A:VAL:HG12	1:51:A:VAL:HG12	18	0.14
(1,1408)	1:22:A:VAL:HG12	1:51:A:VAL:HG13	18	0.14
(1,1408)	1:22:A:VAL:HG13	1:51:A:VAL:HG11	18	0.14
(1,1408)	1:22:A:VAL:HG13	1:51:A:VAL:HG12	18	0.14
(1,1408)	1:22:A:VAL:HG13	1:51:A:VAL:HG13	18	0.14
(1,1408)	1:22:A:VAL:HG11	1:51:A:VAL:HG21	18	0.14
(1,1408)	1:22:A:VAL:HG11	1:51:A:VAL:HG22	18	0.14
(1,1408)	1:22:A:VAL:HG11	1:51:A:VAL:HG23	18	0.14
(1,1408)	1:22:A:VAL:HG12	1:51:A:VAL:HG21	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1408)	1:22:A:VAL:HG12	1:51:A:VAL:HG22	18	0.14
(1,1408)	1:22:A:VAL:HG12	1:51:A:VAL:HG23	18	0.14
(1,1408)	1:22:A:VAL:HG13	1:51:A:VAL:HG21	18	0.14
(1,1408)	1:22:A:VAL:HG13	1:51:A:VAL:HG22	18	0.14
(1,1408)	1:22:A:VAL:HG13	1:51:A:VAL:HG23	18	0.14
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG11	5	0.14
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG12	5	0.14
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG13	5	0.14
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG11	8	0.14
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG12	8	0.14
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG13	8	0.14
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG11	15	0.14
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG12	15	0.14
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG13	15	0.14
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG11	17	0.14
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG12	17	0.14
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG13	17	0.14
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG11	20	0.14
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG12	20	0.14
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG13	20	0.14
(1,1380)	1:58:A:ARG:HG2	1:97:A:VAL:HG11	2	0.14
(1,1380)	1:58:A:ARG:HG2	1:97:A:VAL:HG12	2	0.14
(1,1380)	1:58:A:ARG:HG2	1:97:A:VAL:HG13	2	0.14
(1,1304)	1:22:A:VAL:HG21	1:98:A:ILE:HB	13	0.14
(1,1304)	1:22:A:VAL:HG22	1:98:A:ILE:HB	13	0.14
(1,1304)	1:22:A:VAL:HG23	1:98:A:ILE:HB	13	0.14
(1,1302)	1:22:A:VAL:HG21	1:68:A:TYR:HB2	17	0.14
(1,1302)	1:22:A:VAL:HG21	1:68:A:TYR:HB3	17	0.14
(1,1302)	1:22:A:VAL:HG22	1:68:A:TYR:HB2	17	0.14
(1,1302)	1:22:A:VAL:HG22	1:68:A:TYR:HB3	17	0.14
(1,1302)	1:22:A:VAL:HG23	1:68:A:TYR:HB2	17	0.14
(1,1302)	1:22:A:VAL:HG23	1:68:A:TYR:HB3	17	0.14
(1,1292)	1:13:A:VAL:HG11	1:103:A:GLU:HG2	3	0.14
(1,1292)	1:13:A:VAL:HG12	1:103:A:GLU:HG2	3	0.14
(1,1292)	1:13:A:VAL:HG13	1:103:A:GLU:HG2	3	0.14
(1,1292)	1:13:A:VAL:HG11	1:103:A:GLU:HG2	9	0.14
(1,1292)	1:13:A:VAL:HG12	1:103:A:GLU:HG2	9	0.14
(1,1292)	1:13:A:VAL:HG13	1:103:A:GLU:HG2	9	0.14
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG11	18	0.14
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG12	18	0.14
(1,1289)	1:12:A:CYS:HA	1:13:A:VAL:HG13	18	0.14
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG21	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG22	8	0.14
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG23	8	0.14
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG21	8	0.14
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG22	8	0.14
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG23	8	0.14
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG21	8	0.14
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG22	8	0.14
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG23	8	0.14
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG21	16	0.14
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG22	16	0.14
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG23	16	0.14
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG21	16	0.14
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG22	16	0.14
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG23	16	0.14
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG21	16	0.14
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG22	16	0.14
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG23	16	0.14
(1,1144)	1:25:A:LEU:HB2	1:49:A:VAL:HG21	4	0.14
(1,1144)	1:25:A:LEU:HB2	1:49:A:VAL:HG22	4	0.14
(1,1144)	1:25:A:LEU:HB2	1:49:A:VAL:HG23	4	0.14
(1,1144)	1:25:A:LEU:HB3	1:49:A:VAL:HG21	4	0.14
(1,1144)	1:25:A:LEU:HB3	1:49:A:VAL:HG22	4	0.14
(1,1144)	1:25:A:LEU:HB3	1:49:A:VAL:HG23	4	0.14
(1,1134)	1:36:A:VAL:HG21	1:43:A:ILE:HD11	11	0.14
(1,1134)	1:36:A:VAL:HG21	1:43:A:ILE:HD12	11	0.14
(1,1134)	1:36:A:VAL:HG21	1:43:A:ILE:HD13	11	0.14
(1,1134)	1:36:A:VAL:HG22	1:43:A:ILE:HD11	11	0.14
(1,1134)	1:36:A:VAL:HG22	1:43:A:ILE:HD12	11	0.14
(1,1134)	1:36:A:VAL:HG22	1:43:A:ILE:HD13	11	0.14
(1,1134)	1:36:A:VAL:HG23	1:43:A:ILE:HD11	11	0.14
(1,1134)	1:36:A:VAL:HG23	1:43:A:ILE:HD12	11	0.14
(1,1134)	1:36:A:VAL:HG23	1:43:A:ILE:HD13	11	0.14
(1,1134)	1:36:A:VAL:HG21	1:43:A:ILE:HD11	14	0.14
(1,1134)	1:36:A:VAL:HG21	1:43:A:ILE:HD12	14	0.14
(1,1134)	1:36:A:VAL:HG21	1:43:A:ILE:HD13	14	0.14
(1,1134)	1:36:A:VAL:HG22	1:43:A:ILE:HD11	14	0.14
(1,1134)	1:36:A:VAL:HG22	1:43:A:ILE:HD12	14	0.14
(1,1134)	1:36:A:VAL:HG22	1:43:A:ILE:HD13	14	0.14
(1,1134)	1:36:A:VAL:HG23	1:43:A:ILE:HD11	14	0.14
(1,1134)	1:36:A:VAL:HG23	1:43:A:ILE:HD12	14	0.14
(1,1134)	1:36:A:VAL:HG23	1:43:A:ILE:HD13	14	0.14
(1,1031)	1:26:A:LEU:HD11	1:32:A:PHE:HZ	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1031)	1:26:A:LEU:HD12	1:32:A:PHE:HZ	18	0.14
(1,1031)	1:26:A:LEU:HD13	1:32:A:PHE:HZ	18	0.14
(1,1031)	1:26:A:LEU:HD11	1:32:A:PHE:HZ	20	0.14
(1,1031)	1:26:A:LEU:HD12	1:32:A:PHE:HZ	20	0.14
(1,1031)	1:26:A:LEU:HD13	1:32:A:PHE:HZ	20	0.14
(1,1029)	1:26:A:LEU:HA	1:29:A:LYS:HG3	2	0.14
(1,904)	1:22:A:VAL:HG11	1:23:A:VAL:HG11	9	0.14
(1,904)	1:22:A:VAL:HG11	1:23:A:VAL:HG12	9	0.14
(1,904)	1:22:A:VAL:HG11	1:23:A:VAL:HG13	9	0.14
(1,904)	1:22:A:VAL:HG12	1:23:A:VAL:HG11	9	0.14
(1,904)	1:22:A:VAL:HG12	1:23:A:VAL:HG12	9	0.14
(1,904)	1:22:A:VAL:HG12	1:23:A:VAL:HG13	9	0.14
(1,904)	1:22:A:VAL:HG13	1:23:A:VAL:HG11	9	0.14
(1,904)	1:22:A:VAL:HG13	1:23:A:VAL:HG12	9	0.14
(1,904)	1:22:A:VAL:HG13	1:23:A:VAL:HG13	9	0.14
(1,870)	1:14:A:ILE:HG12	1:15:A:ASP:HA	11	0.14
(1,854)	1:61:A:VAL:HG21	1:91:A:PRO:HG2	10	0.14
(1,854)	1:61:A:VAL:HG22	1:91:A:PRO:HG2	10	0.14
(1,854)	1:61:A:VAL:HG23	1:91:A:PRO:HG2	10	0.14
(1,789)	1:79:A:PHE:HB3	1:108:A:LEU:HD11	16	0.14
(1,789)	1:79:A:PHE:HB3	1:108:A:LEU:HD12	16	0.14
(1,789)	1:79:A:PHE:HB3	1:108:A:LEU:HD13	16	0.14
(1,751)	1:5:A:LEU:HD23	1:7:A:PHE:HE2	10	0.14
(1,690)	1:63:A:ILE:HG12	1:64:A:GLY:H	8	0.14
(1,662)	1:52:A:GLN:HB3	1:53:A:LYS:H	6	0.14
(1,649)	1:24:A:LYS:H	1:24:A:LYS:HD3	2	0.14
(1,644)	1:47:A:THR:HB	1:49:A:VAL:HG11	10	0.14
(1,644)	1:47:A:THR:HB	1:49:A:VAL:HG12	10	0.14
(1,644)	1:47:A:THR:HB	1:49:A:VAL:HG13	10	0.14
(1,618)	1:7:A:PHE:HD2	1:115:A:GLU:HB3	17	0.14
(1,612)	1:1:A:MET:HG2	1:16:A:LEU:HB3	12	0.14
(1,464)	1:57:A:PRO:HA	1:58:A:ARG:HB3	10	0.14
(1,452)	1:103:A:GLU:HB3	1:103:A:GLU:HG3	18	0.14
(1,430)	1:36:A:VAL:HG11	1:117:A:VAL:HB	2	0.14
(1,430)	1:36:A:VAL:HG12	1:117:A:VAL:HB	2	0.14
(1,430)	1:36:A:VAL:HG13	1:117:A:VAL:HB	2	0.14
(1,404)	1:21:A:GLU:HG3	1:51:A:VAL:HG11	10	0.14
(1,404)	1:21:A:GLU:HG3	1:51:A:VAL:HG12	10	0.14
(1,404)	1:21:A:GLU:HG3	1:51:A:VAL:HG13	10	0.14
(1,389)	1:62:A:GLU:HB2	1:62:A:GLU:HG2	2	0.14
(1,389)	1:62:A:GLU:HB2	1:62:A:GLU:HG2	5	0.14
(1,389)	1:62:A:GLU:HB2	1:62:A:GLU:HG2	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,389)	1:62:A:GLU:HB2	1:62:A:GLU:HG2	17	0.14
(1,376)	1:25:A:LEU:HD21	1:28:A:GLU:HG2	12	0.14
(1,376)	1:25:A:LEU:HD22	1:28:A:GLU:HG2	12	0.14
(1,376)	1:25:A:LEU:HD23	1:28:A:GLU:HG2	12	0.14
(1,324)	1:4:A:GLU:HG3	1:122:A:ALA:HA	4	0.14
(1,143)	1:6:A:LEU:HB2	1:118:A:ALA:H	7	0.14
(1,143)	1:6:A:LEU:HB2	1:118:A:ALA:H	12	0.14
(1,134)	1:109:A:LYS:HG2	1:109:A:LYS:HE3	12	0.14
(1,115)	1:26:A:LEU:HB3	1:49:A:VAL:HG11	16	0.14
(1,115)	1:26:A:LEU:HB3	1:49:A:VAL:HG12	16	0.14
(1,115)	1:26:A:LEU:HB3	1:49:A:VAL:HG13	16	0.14
(1,63)	1:6:A:LEU:HD11	1:120:A:ARG:HD2	3	0.14
(1,63)	1:6:A:LEU:HD11	1:120:A:ARG:HD3	3	0.14
(1,63)	1:6:A:LEU:HD12	1:120:A:ARG:HD2	3	0.14
(1,63)	1:6:A:LEU:HD12	1:120:A:ARG:HD3	3	0.14
(1,63)	1:6:A:LEU:HD13	1:120:A:ARG:HD2	3	0.14
(1,63)	1:6:A:LEU:HD13	1:120:A:ARG:HD3	3	0.14
(1,63)	1:6:A:LEU:HD21	1:120:A:ARG:HD2	3	0.14
(1,63)	1:6:A:LEU:HD21	1:120:A:ARG:HD3	3	0.14
(1,63)	1:6:A:LEU:HD22	1:120:A:ARG:HD2	3	0.14
(1,63)	1:6:A:LEU:HD22	1:120:A:ARG:HD3	3	0.14
(1,63)	1:6:A:LEU:HD23	1:120:A:ARG:HD2	3	0.14
(1,63)	1:6:A:LEU:HD23	1:120:A:ARG:HD3	3	0.14
(1,31)	1:1:A:MET:HB2	1:16:A:LEU:HB3	19	0.14
(1,31)	1:1:A:MET:HB3	1:16:A:LEU:HB3	19	0.14
(1,2854)	1:45:A:PHE:HE1	1:117:A:VAL:HG21	3	0.13
(1,2854)	1:45:A:PHE:HE1	1:117:A:VAL:HG22	3	0.13
(1,2854)	1:45:A:PHE:HE1	1:117:A:VAL:HG23	3	0.13
(1,2854)	1:45:A:PHE:HE2	1:117:A:VAL:HG21	3	0.13
(1,2854)	1:45:A:PHE:HE2	1:117:A:VAL:HG22	3	0.13
(1,2854)	1:45:A:PHE:HE2	1:117:A:VAL:HG23	3	0.13
(1,2854)	1:45:A:PHE:HE1	1:117:A:VAL:HG21	13	0.13
(1,2854)	1:45:A:PHE:HE1	1:117:A:VAL:HG22	13	0.13
(1,2854)	1:45:A:PHE:HE1	1:117:A:VAL:HG23	13	0.13
(1,2854)	1:45:A:PHE:HE2	1:117:A:VAL:HG21	13	0.13
(1,2854)	1:45:A:PHE:HE2	1:117:A:VAL:HG22	13	0.13
(1,2854)	1:45:A:PHE:HE2	1:117:A:VAL:HG23	13	0.13
(1,2825)	1:7:A:PHE:HD1	1:36:A:VAL:HG11	8	0.13
(1,2825)	1:7:A:PHE:HD1	1:36:A:VAL:HG12	8	0.13
(1,2825)	1:7:A:PHE:HD1	1:36:A:VAL:HG13	8	0.13
(1,2825)	1:7:A:PHE:HD2	1:36:A:VAL:HG11	8	0.13
(1,2825)	1:7:A:PHE:HD2	1:36:A:VAL:HG12	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2825)	1:7:A:PHE:HD2	1:36:A:VAL:HG13	8	0.13
(1,2824)	1:7:A:PHE:HD1	1:117:A:VAL:HG21	14	0.13
(1,2824)	1:7:A:PHE:HD1	1:117:A:VAL:HG22	14	0.13
(1,2824)	1:7:A:PHE:HD1	1:117:A:VAL:HG23	14	0.13
(1,2824)	1:7:A:PHE:HD2	1:117:A:VAL:HG21	14	0.13
(1,2824)	1:7:A:PHE:HD2	1:117:A:VAL:HG22	14	0.13
(1,2824)	1:7:A:PHE:HD2	1:117:A:VAL:HG23	14	0.13
(1,2804)	1:3:A:VAL:HG21	1:121:A:PHE:HE1	4	0.13
(1,2804)	1:3:A:VAL:HG21	1:121:A:PHE:HE2	4	0.13
(1,2804)	1:3:A:VAL:HG22	1:121:A:PHE:HE1	4	0.13
(1,2804)	1:3:A:VAL:HG22	1:121:A:PHE:HE2	4	0.13
(1,2804)	1:3:A:VAL:HG23	1:121:A:PHE:HE1	4	0.13
(1,2804)	1:3:A:VAL:HG23	1:121:A:PHE:HE2	4	0.13
(1,2804)	1:3:A:VAL:HG21	1:121:A:PHE:HE1	5	0.13
(1,2804)	1:3:A:VAL:HG21	1:121:A:PHE:HE2	5	0.13
(1,2804)	1:3:A:VAL:HG22	1:121:A:PHE:HE1	5	0.13
(1,2804)	1:3:A:VAL:HG22	1:121:A:PHE:HE2	5	0.13
(1,2804)	1:3:A:VAL:HG23	1:121:A:PHE:HE1	5	0.13
(1,2804)	1:3:A:VAL:HG23	1:121:A:PHE:HE2	5	0.13
(1,2791)	1:7:A:PHE:HE1	1:117:A:VAL:HB	2	0.13
(1,2791)	1:7:A:PHE:HE2	1:117:A:VAL:HB	2	0.13
(1,2567)	1:12:A:CYS:H	1:14:A:ILE:HG21	18	0.13
(1,2567)	1:12:A:CYS:H	1:14:A:ILE:HG22	18	0.13
(1,2567)	1:12:A:CYS:H	1:14:A:ILE:HG23	18	0.13
(1,2522)	1:24:A:LYS:HB3	1:25:A:LEU:H	2	0.13
(1,2502)	1:122:A:ALA:HB1	1:123:A:SER:H	17	0.13
(1,2502)	1:122:A:ALA:HB2	1:123:A:SER:H	17	0.13
(1,2502)	1:122:A:ALA:HB3	1:123:A:SER:H	17	0.13
(1,2468)	1:62:A:GLU:H	1:65:A:ASP:HB3	11	0.13
(1,2402)	1:58:A:ARG:HB2	1:59:A:GLU:H	4	0.13
(1,2361)	1:7:A:PHE:HB2	1:8:A:GLU:H	7	0.13
(1,2345)	1:62:A:GLU:HB2	1:63:A:ILE:H	16	0.13
(1,2315)	1:16:A:LEU:HB2	1:17:A:ASN:H	14	0.13
(1,2276)	1:116:A:LYS:H	1:116:A:LYS:HG3	17	0.13
(1,2220)	1:6:A:LEU:H	1:6:A:LEU:HB3	1	0.13
(1,2220)	1:6:A:LEU:H	1:6:A:LEU:HB3	18	0.13
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG21	13	0.13
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG22	13	0.13
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG23	13	0.13
(1,2127)	1:50:A:ASN:H	1:51:A:VAL:HG21	9	0.13
(1,2127)	1:50:A:ASN:H	1:51:A:VAL:HG22	9	0.13
(1,2127)	1:50:A:ASN:H	1:51:A:VAL:HG23	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2024)	1:54:A:MET:HG3	1:96:A:ASN:HA	17	0.13
(1,1986)	1:13:A:VAL:HG11	1:122:A:ALA:HA	15	0.13
(1,1986)	1:13:A:VAL:HG12	1:122:A:ALA:HA	15	0.13
(1,1986)	1:13:A:VAL:HG13	1:122:A:ALA:HA	15	0.13
(1,1986)	1:13:A:VAL:HG11	1:122:A:ALA:HA	18	0.13
(1,1986)	1:13:A:VAL:HG12	1:122:A:ALA:HA	18	0.13
(1,1986)	1:13:A:VAL:HG13	1:122:A:ALA:HA	18	0.13
(1,1919)	1:6:A:LEU:HA	1:7:A:PHE:HB3	11	0.13
(1,1806)	1:107:A:ASP:HA	1:110:A:LYS:HD2	1	0.13
(1,1772)	1:30:A:ILE:HG21	1:31:A:PRO:HB2	1	0.13
(1,1772)	1:30:A:ILE:HG22	1:31:A:PRO:HB2	1	0.13
(1,1772)	1:30:A:ILE:HG23	1:31:A:PRO:HB2	1	0.13
(1,1772)	1:30:A:ILE:HG21	1:31:A:PRO:HB2	4	0.13
(1,1772)	1:30:A:ILE:HG22	1:31:A:PRO:HB2	4	0.13
(1,1772)	1:30:A:ILE:HG23	1:31:A:PRO:HB2	4	0.13
(1,1759)	1:2:A:ARG:HA	1:15:A:ASP:HB3	5	0.13
(1,1736)	1:36:A:VAL:HG11	1:113:A:ASP:HA	2	0.13
(1,1736)	1:36:A:VAL:HG12	1:113:A:ASP:HA	2	0.13
(1,1736)	1:36:A:VAL:HG13	1:113:A:ASP:HA	2	0.13
(1,1736)	1:36:A:VAL:HG11	1:113:A:ASP:HA	5	0.13
(1,1736)	1:36:A:VAL:HG12	1:113:A:ASP:HA	5	0.13
(1,1736)	1:36:A:VAL:HG13	1:113:A:ASP:HA	5	0.13
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG21	11	0.13
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG22	11	0.13
(1,1731)	1:59:A:GLU:HA	1:61:A:VAL:HG23	11	0.13
(1,1620)	1:14:A:ILE:HA	1:15:A:ASP:HB3	3	0.13
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG11	1	0.13
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG12	1	0.13
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG13	1	0.13
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG11	6	0.13
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG12	6	0.13
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG13	6	0.13
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG11	10	0.13
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG12	10	0.13
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG13	10	0.13
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG11	14	0.13
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG12	14	0.13
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG13	14	0.13
(1,1364)	1:60:A:VAL:H	1:60:A:VAL:HG21	4	0.13
(1,1364)	1:60:A:VAL:H	1:60:A:VAL:HG22	4	0.13
(1,1364)	1:60:A:VAL:H	1:60:A:VAL:HG23	4	0.13
(1,1364)	1:60:A:VAL:H	1:60:A:VAL:HG21	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1364)	1:60:A:VAL:H	1:60:A:VAL:HG22	16	0.13
(1,1364)	1:60:A:VAL:H	1:60:A:VAL:HG23	16	0.13
(1,1303)	1:22:A:VAL:HG21	1:23:A:VAL:HB	17	0.13
(1,1303)	1:22:A:VAL:HG22	1:23:A:VAL:HB	17	0.13
(1,1303)	1:22:A:VAL:HG23	1:23:A:VAL:HB	17	0.13
(1,1300)	1:22:A:VAL:HG21	1:23:A:VAL:HA	4	0.13
(1,1300)	1:22:A:VAL:HG22	1:23:A:VAL:HA	4	0.13
(1,1300)	1:22:A:VAL:HG23	1:23:A:VAL:HA	4	0.13
(1,1288)	1:5:A:LEU:H	1:13:A:VAL:HG11	15	0.13
(1,1288)	1:5:A:LEU:H	1:13:A:VAL:HG12	15	0.13
(1,1288)	1:5:A:LEU:H	1:13:A:VAL:HG13	15	0.13
(1,1165)	1:36:A:VAL:HG11	1:117:A:VAL:HG11	3	0.13
(1,1165)	1:36:A:VAL:HG11	1:117:A:VAL:HG12	3	0.13
(1,1165)	1:36:A:VAL:HG11	1:117:A:VAL:HG13	3	0.13
(1,1165)	1:36:A:VAL:HG12	1:117:A:VAL:HG11	3	0.13
(1,1165)	1:36:A:VAL:HG12	1:117:A:VAL:HG12	3	0.13
(1,1165)	1:36:A:VAL:HG12	1:117:A:VAL:HG13	3	0.13
(1,1165)	1:36:A:VAL:HG13	1:117:A:VAL:HG11	3	0.13
(1,1165)	1:36:A:VAL:HG13	1:117:A:VAL:HG12	3	0.13
(1,1165)	1:36:A:VAL:HG13	1:117:A:VAL:HG13	3	0.13
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG21	7	0.13
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG22	7	0.13
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG23	7	0.13
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG21	7	0.13
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG22	7	0.13
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG23	7	0.13
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG21	7	0.13
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG22	7	0.13
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG23	7	0.13
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG21	10	0.13
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG22	10	0.13
(1,1156)	1:26:A:LEU:HD11	1:47:A:THR:HG23	10	0.13
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG21	10	0.13
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG22	10	0.13
(1,1156)	1:26:A:LEU:HD12	1:47:A:THR:HG23	10	0.13
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG21	10	0.13
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG22	10	0.13
(1,1156)	1:26:A:LEU:HD13	1:47:A:THR:HG23	10	0.13
(1,1136)	1:25:A:LEU:H	1:49:A:VAL:HG21	14	0.13
(1,1136)	1:25:A:LEU:H	1:49:A:VAL:HG22	14	0.13
(1,1136)	1:25:A:LEU:H	1:49:A:VAL:HG23	14	0.13
(1,1100)	1:123:A:SER:HB2	1:124:A:SER:H	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1031)	1:26:A:LEU:HD11	1:32:A:PHE:HZ	6	0.13
(1,1031)	1:26:A:LEU:HD12	1:32:A:PHE:HZ	6	0.13
(1,1031)	1:26:A:LEU:HD13	1:32:A:PHE:HZ	6	0.13
(1,984)	1:67:A:GLY:H	1:75:A:LEU:HD21	20	0.13
(1,984)	1:67:A:GLY:H	1:75:A:LEU:HD22	20	0.13
(1,984)	1:67:A:GLY:H	1:75:A:LEU:HD23	20	0.13
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD11	9	0.13
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD12	9	0.13
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD13	9	0.13
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD11	9	0.13
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD12	9	0.13
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD13	9	0.13
(1,941)	1:77:A:LEU:HA	1:77:A:LEU:HD21	7	0.13
(1,941)	1:77:A:LEU:HA	1:77:A:LEU:HD22	7	0.13
(1,941)	1:77:A:LEU:HA	1:77:A:LEU:HD23	7	0.13
(1,924)	1:21:A:GLU:HG3	1:25:A:LEU:HD11	2	0.13
(1,924)	1:21:A:GLU:HG3	1:25:A:LEU:HD12	2	0.13
(1,924)	1:21:A:GLU:HG3	1:25:A:LEU:HD13	2	0.13
(1,820)	1:110:A:LYS:H	1:111:A:ILE:HG13	15	0.13
(1,753)	1:5:A:LEU:HD21	1:12:A:CYS:HB2	13	0.13
(1,753)	1:5:A:LEU:HD22	1:12:A:CYS:HB2	13	0.13
(1,753)	1:5:A:LEU:HD23	1:12:A:CYS:HB2	13	0.13
(1,691)	1:62:A:GLU:HA	1:63:A:ILE:HG12	19	0.13
(1,690)	1:63:A:ILE:HG12	1:64:A:GLY:H	16	0.13
(1,632)	1:58:A:ARG:HG2	1:97:A:VAL:HB	2	0.13
(1,513)	1:61:A:VAL:HB	1:78:A:PHE:HB3	19	0.13
(1,464)	1:57:A:PRO:HA	1:58:A:ARG:HB3	3	0.13
(1,430)	1:36:A:VAL:HG11	1:117:A:VAL:HB	5	0.13
(1,430)	1:36:A:VAL:HG12	1:117:A:VAL:HB	5	0.13
(1,430)	1:36:A:VAL:HG13	1:117:A:VAL:HB	5	0.13
(1,389)	1:62:A:GLU:HB2	1:62:A:GLU:HG2	3	0.13
(1,389)	1:62:A:GLU:HB2	1:62:A:GLU:HG2	6	0.13
(1,389)	1:62:A:GLU:HB2	1:62:A:GLU:HG2	7	0.13
(1,389)	1:62:A:GLU:HB2	1:62:A:GLU:HG2	8	0.13
(1,389)	1:62:A:GLU:HB2	1:62:A:GLU:HG2	14	0.13
(1,389)	1:62:A:GLU:HB2	1:62:A:GLU:HG2	16	0.13
(1,389)	1:62:A:GLU:HB2	1:62:A:GLU:HG2	18	0.13
(1,389)	1:62:A:GLU:HB2	1:62:A:GLU:HG2	19	0.13
(1,379)	1:25:A:LEU:HA	1:28:A:GLU:HG2	10	0.13
(1,354)	1:13:A:VAL:HG11	1:103:A:GLU:HG3	1	0.13
(1,354)	1:13:A:VAL:HG12	1:103:A:GLU:HG3	1	0.13
(1,354)	1:13:A:VAL:HG13	1:103:A:GLU:HG3	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,348)	1:54:A:MET:HB3	1:57:A:PRO:HG3	8	0.13
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG11	1	0.13
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG12	1	0.13
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG13	1	0.13
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG11	15	0.13
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG12	15	0.13
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG13	15	0.13
(1,251)	1:17:A:ASN:HA	1:18:A:GLU:HG2	8	0.13
(1,235)	1:78:A:PHE:HB2	1:80:A:GLY:H	8	0.13
(1,231)	1:65:A:ASP:H	1:78:A:PHE:HB3	4	0.13
(1,158)	1:62:A:GLU:HB3	1:65:A:ASP:HB2	16	0.13
(1,143)	1:6:A:LEU:HB2	1:118:A:ALA:H	8	0.13
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG21	10	0.13
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG22	10	0.13
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG23	10	0.13
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG21	9	0.13
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG22	9	0.13
(1,86)	1:2:A:ARG:HD3	1:13:A:VAL:HG23	9	0.13
(1,42)	1:63:A:ILE:HG13	1:80:A:GLY:HA2	15	0.13
(1,30)	1:15:A:ASP:HA	1:16:A:LEU:HB3	17	0.13
(1,9)	1:39:A:TRP:H	1:40:A:GLY:HA3	13	0.13
(1,9)	1:39:A:TRP:H	1:40:A:GLY:HA3	18	0.13
(1,2902)	1:20:A:TYR:HE1	1:56:A:ASN:HB3	10	0.12
(1,2902)	1:20:A:TYR:HE2	1:56:A:ASN:HB3	10	0.12
(1,2847)	1:78:A:PHE:HE1	1:95:A:VAL:HG21	7	0.12
(1,2847)	1:78:A:PHE:HE1	1:95:A:VAL:HG22	7	0.12
(1,2847)	1:78:A:PHE:HE1	1:95:A:VAL:HG23	7	0.12
(1,2847)	1:78:A:PHE:HE2	1:95:A:VAL:HG21	7	0.12
(1,2847)	1:78:A:PHE:HE2	1:95:A:VAL:HG22	7	0.12
(1,2847)	1:78:A:PHE:HE2	1:95:A:VAL:HG23	7	0.12
(1,2825)	1:7:A:PHE:HD1	1:36:A:VAL:HG11	15	0.12
(1,2825)	1:7:A:PHE:HD1	1:36:A:VAL:HG12	15	0.12
(1,2825)	1:7:A:PHE:HD1	1:36:A:VAL:HG13	15	0.12
(1,2825)	1:7:A:PHE:HD2	1:36:A:VAL:HG11	15	0.12
(1,2825)	1:7:A:PHE:HD2	1:36:A:VAL:HG12	15	0.12
(1,2825)	1:7:A:PHE:HD2	1:36:A:VAL:HG13	15	0.12
(1,2825)	1:7:A:PHE:HD1	1:36:A:VAL:HG11	17	0.12
(1,2825)	1:7:A:PHE:HD1	1:36:A:VAL:HG12	17	0.12
(1,2825)	1:7:A:PHE:HD1	1:36:A:VAL:HG13	17	0.12
(1,2825)	1:7:A:PHE:HD2	1:36:A:VAL:HG11	17	0.12
(1,2825)	1:7:A:PHE:HD2	1:36:A:VAL:HG12	17	0.12
(1,2825)	1:7:A:PHE:HD2	1:36:A:VAL:HG13	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2824)	1:7:A:PHE:HD1	1:117:A:VAL:HG21	16	0.12
(1,2824)	1:7:A:PHE:HD1	1:117:A:VAL:HG22	16	0.12
(1,2824)	1:7:A:PHE:HD1	1:117:A:VAL:HG23	16	0.12
(1,2824)	1:7:A:PHE:HD2	1:117:A:VAL:HG21	16	0.12
(1,2824)	1:7:A:PHE:HD2	1:117:A:VAL:HG22	16	0.12
(1,2824)	1:7:A:PHE:HD2	1:117:A:VAL:HG23	16	0.12
(1,2824)	1:7:A:PHE:HD1	1:117:A:VAL:HG21	18	0.12
(1,2824)	1:7:A:PHE:HD1	1:117:A:VAL:HG22	18	0.12
(1,2824)	1:7:A:PHE:HD1	1:117:A:VAL:HG23	18	0.12
(1,2824)	1:7:A:PHE:HD2	1:117:A:VAL:HG21	18	0.12
(1,2824)	1:7:A:PHE:HD2	1:117:A:VAL:HG22	18	0.12
(1,2824)	1:7:A:PHE:HD2	1:117:A:VAL:HG23	18	0.12
(1,2804)	1:3:A:VAL:HG21	1:121:A:PHE:HE1	6	0.12
(1,2804)	1:3:A:VAL:HG21	1:121:A:PHE:HE2	6	0.12
(1,2804)	1:3:A:VAL:HG22	1:121:A:PHE:HE1	6	0.12
(1,2804)	1:3:A:VAL:HG22	1:121:A:PHE:HE2	6	0.12
(1,2804)	1:3:A:VAL:HG23	1:121:A:PHE:HE1	6	0.12
(1,2804)	1:3:A:VAL:HG23	1:121:A:PHE:HE2	6	0.12
(1,2804)	1:3:A:VAL:HG21	1:121:A:PHE:HE1	9	0.12
(1,2804)	1:3:A:VAL:HG21	1:121:A:PHE:HE2	9	0.12
(1,2804)	1:3:A:VAL:HG22	1:121:A:PHE:HE1	9	0.12
(1,2804)	1:3:A:VAL:HG22	1:121:A:PHE:HE2	9	0.12
(1,2804)	1:3:A:VAL:HG23	1:121:A:PHE:HE1	9	0.12
(1,2804)	1:3:A:VAL:HG23	1:121:A:PHE:HE2	9	0.12
(1,2804)	1:3:A:VAL:HG21	1:121:A:PHE:HE1	16	0.12
(1,2804)	1:3:A:VAL:HG21	1:121:A:PHE:HE2	16	0.12
(1,2804)	1:3:A:VAL:HG22	1:121:A:PHE:HE1	16	0.12
(1,2804)	1:3:A:VAL:HG22	1:121:A:PHE:HE2	16	0.12
(1,2804)	1:3:A:VAL:HG23	1:121:A:PHE:HE1	16	0.12
(1,2804)	1:3:A:VAL:HG23	1:121:A:PHE:HE2	16	0.12
(1,2804)	1:3:A:VAL:HG21	1:121:A:PHE:HE1	20	0.12
(1,2804)	1:3:A:VAL:HG21	1:121:A:PHE:HE2	20	0.12
(1,2804)	1:3:A:VAL:HG22	1:121:A:PHE:HE1	20	0.12
(1,2804)	1:3:A:VAL:HG22	1:121:A:PHE:HE2	20	0.12
(1,2804)	1:3:A:VAL:HG23	1:121:A:PHE:HE1	20	0.12
(1,2804)	1:3:A:VAL:HG23	1:121:A:PHE:HE2	20	0.12
(1,2791)	1:7:A:PHE:HE1	1:117:A:VAL:HB	5	0.12
(1,2791)	1:7:A:PHE:HE2	1:117:A:VAL:HB	5	0.12
(1,2662)	1:7:A:PHE:HD1	1:9:A:SER:H	14	0.12
(1,2631)	1:105:A:LEU:HB2	1:106:A:GLU:H	19	0.12
(1,2581)	1:54:A:MET:HB3	1:56:A:ASN:H	8	0.12
(1,2514)	1:60:A:VAL:H	1:61:A:VAL:HG21	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2514)	1:60:A:VAL:H	1:61:A:VAL:HG22	7	0.12
(1,2514)	1:60:A:VAL:H	1:61:A:VAL:HG23	7	0.12
(1,2502)	1:122:A:ALA:HB1	1:123:A:SER:H	4	0.12
(1,2502)	1:122:A:ALA:HB2	1:123:A:SER:H	4	0.12
(1,2502)	1:122:A:ALA:HB3	1:123:A:SER:H	4	0.12
(1,2425)	1:11:A:LYS:H	1:107:A:ASP:HB3	15	0.12
(1,2315)	1:16:A:LEU:HB2	1:17:A:ASN:H	11	0.12
(1,2254)	1:51:A:VAL:H	1:51:A:VAL:HG21	6	0.12
(1,2254)	1:51:A:VAL:H	1:51:A:VAL:HG22	6	0.12
(1,2254)	1:51:A:VAL:H	1:51:A:VAL:HG23	6	0.12
(1,2216)	1:3:A:VAL:HG21	1:16:A:LEU:H	10	0.12
(1,2216)	1:3:A:VAL:HG22	1:16:A:LEU:H	10	0.12
(1,2216)	1:3:A:VAL:HG23	1:16:A:LEU:H	10	0.12
(1,2206)	1:121:A:PHE:HD1	1:122:A:ALA:H	1	0.12
(1,2206)	1:121:A:PHE:HD2	1:122:A:ALA:H	1	0.12
(1,2206)	1:121:A:PHE:HD1	1:122:A:ALA:H	2	0.12
(1,2206)	1:121:A:PHE:HD2	1:122:A:ALA:H	2	0.12
(1,2206)	1:121:A:PHE:HD1	1:122:A:ALA:H	3	0.12
(1,2206)	1:121:A:PHE:HD2	1:122:A:ALA:H	3	0.12
(1,2206)	1:121:A:PHE:HD1	1:122:A:ALA:H	7	0.12
(1,2206)	1:121:A:PHE:HD2	1:122:A:ALA:H	7	0.12
(1,2206)	1:121:A:PHE:HD1	1:122:A:ALA:H	10	0.12
(1,2206)	1:121:A:PHE:HD2	1:122:A:ALA:H	10	0.12
(1,2206)	1:121:A:PHE:HD1	1:122:A:ALA:H	18	0.12
(1,2206)	1:121:A:PHE:HD2	1:122:A:ALA:H	18	0.12
(1,2206)	1:121:A:PHE:HD1	1:122:A:ALA:H	19	0.12
(1,2206)	1:121:A:PHE:HD2	1:122:A:ALA:H	19	0.12
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG21	1	0.12
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG22	1	0.12
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG23	1	0.12
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG21	6	0.12
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG22	6	0.12
(1,2156)	1:18:A:GLU:H	1:23:A:VAL:HG23	6	0.12
(1,2109)	1:41:A:GLU:H	1:82:A:THR:HG21	2	0.12
(1,2109)	1:41:A:GLU:H	1:82:A:THR:HG22	2	0.12
(1,2109)	1:41:A:GLU:H	1:82:A:THR:HG23	2	0.12
(1,1986)	1:13:A:VAL:HG11	1:122:A:ALA:HA	7	0.12
(1,1986)	1:13:A:VAL:HG12	1:122:A:ALA:HA	7	0.12
(1,1986)	1:13:A:VAL:HG13	1:122:A:ALA:HA	7	0.12
(1,1969)	1:15:A:ASP:HA	1:16:A:LEU:HG	5	0.12
(1,1919)	1:6:A:LEU:HA	1:7:A:PHE:HB3	3	0.12
(1,1917)	1:42:A:GLU:HA	1:43:A:ILE:HD11	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1917)	1:42:A:GLU:HA	1:43:A:ILE:HD12	14	0.12
(1,1917)	1:42:A:GLU:HA	1:43:A:ILE:HD13	14	0.12
(1,1798)	1:44:A:TYR:HA	1:75:A:LEU:HD21	9	0.12
(1,1798)	1:44:A:TYR:HA	1:75:A:LEU:HD22	9	0.12
(1,1798)	1:44:A:TYR:HA	1:75:A:LEU:HD23	9	0.12
(1,1772)	1:30:A:ILE:HG21	1:31:A:PRO:HB2	13	0.12
(1,1772)	1:30:A:ILE:HG22	1:31:A:PRO:HB2	13	0.12
(1,1772)	1:30:A:ILE:HG23	1:31:A:PRO:HB2	13	0.12
(1,1772)	1:30:A:ILE:HG21	1:31:A:PRO:HB2	17	0.12
(1,1772)	1:30:A:ILE:HG22	1:31:A:PRO:HB2	17	0.12
(1,1772)	1:30:A:ILE:HG23	1:31:A:PRO:HB2	17	0.12
(1,1746)	1:43:A:ILE:HD11	1:111:A:ILE:HG21	8	0.12
(1,1746)	1:43:A:ILE:HD11	1:111:A:ILE:HG22	8	0.12
(1,1746)	1:43:A:ILE:HD11	1:111:A:ILE:HG23	8	0.12
(1,1746)	1:43:A:ILE:HD12	1:111:A:ILE:HG21	8	0.12
(1,1746)	1:43:A:ILE:HD12	1:111:A:ILE:HG22	8	0.12
(1,1746)	1:43:A:ILE:HD12	1:111:A:ILE:HG23	8	0.12
(1,1746)	1:43:A:ILE:HD13	1:111:A:ILE:HG21	8	0.12
(1,1746)	1:43:A:ILE:HD13	1:111:A:ILE:HG22	8	0.12
(1,1746)	1:43:A:ILE:HD13	1:111:A:ILE:HG23	8	0.12
(1,1620)	1:14:A:ILE:HA	1:15:A:ASP:HB3	8	0.12
(1,1609)	1:36:A:VAL:H	1:43:A:ILE:HG21	4	0.12
(1,1609)	1:36:A:VAL:H	1:43:A:ILE:HG22	4	0.12
(1,1609)	1:36:A:VAL:H	1:43:A:ILE:HG23	4	0.12
(1,1579)	1:101:A:ILE:HG21	1:105:A:LEU:H	6	0.12
(1,1579)	1:101:A:ILE:HG22	1:105:A:LEU:H	6	0.12
(1,1579)	1:101:A:ILE:HG23	1:105:A:LEU:H	6	0.12
(1,1534)	1:78:A:PHE:HD1	1:89:A:ILE:HG21	8	0.12
(1,1534)	1:78:A:PHE:HD1	1:89:A:ILE:HG22	8	0.12
(1,1534)	1:78:A:PHE:HD1	1:89:A:ILE:HG23	8	0.12
(1,1534)	1:78:A:PHE:HD2	1:89:A:ILE:HG21	8	0.12
(1,1534)	1:78:A:PHE:HD2	1:89:A:ILE:HG22	8	0.12
(1,1534)	1:78:A:PHE:HD2	1:89:A:ILE:HG23	8	0.12
(1,1477)	1:38:A:THR:HG21	1:111:A:ILE:HA	2	0.12
(1,1477)	1:38:A:THR:HG22	1:111:A:ILE:HA	2	0.12
(1,1477)	1:38:A:THR:HG23	1:111:A:ILE:HA	2	0.12
(1,1477)	1:38:A:THR:HG21	1:111:A:ILE:HA	12	0.12
(1,1477)	1:38:A:THR:HG22	1:111:A:ILE:HA	12	0.12
(1,1477)	1:38:A:THR:HG23	1:111:A:ILE:HA	12	0.12
(1,1466)	1:2:A:ARG:HE	1:122:A:ALA:HB1	1	0.12
(1,1466)	1:2:A:ARG:HE	1:122:A:ALA:HB2	1	0.12
(1,1466)	1:2:A:ARG:HE	1:122:A:ALA:HB3	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1466)	1:2:A:ARG:HE	1:122:A:ALA:HB1	19	0.12
(1,1466)	1:2:A:ARG:HE	1:122:A:ALA:HB2	19	0.12
(1,1466)	1:2:A:ARG:HE	1:122:A:ALA:HB3	19	0.12
(1,1465)	1:122:A:ALA:H	1:122:A:ALA:HB1	20	0.12
(1,1465)	1:122:A:ALA:H	1:122:A:ALA:HB2	20	0.12
(1,1465)	1:122:A:ALA:H	1:122:A:ALA:HB3	20	0.12
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG11	18	0.12
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG12	18	0.12
(1,1437)	1:118:A:ALA:HB1	1:119:A:VAL:HG13	18	0.12
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG11	18	0.12
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG12	18	0.12
(1,1437)	1:118:A:ALA:HB2	1:119:A:VAL:HG13	18	0.12
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG11	18	0.12
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG12	18	0.12
(1,1437)	1:118:A:ALA:HB3	1:119:A:VAL:HG13	18	0.12
(1,1434)	1:6:A:LEU:HB3	1:118:A:ALA:HB1	18	0.12
(1,1434)	1:6:A:LEU:HB3	1:118:A:ALA:HB2	18	0.12
(1,1434)	1:6:A:LEU:HB3	1:118:A:ALA:HB3	18	0.12
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG11	7	0.12
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG12	7	0.12
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG13	7	0.12
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG11	12	0.12
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG12	12	0.12
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG13	12	0.12
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG11	16	0.12
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG12	16	0.12
(1,1403)	1:22:A:VAL:HA	1:22:A:VAL:HG13	16	0.12
(1,1398)	1:26:A:LEU:HB2	1:49:A:VAL:HG11	7	0.12
(1,1398)	1:26:A:LEU:HB2	1:49:A:VAL:HG12	7	0.12
(1,1398)	1:26:A:LEU:HB2	1:49:A:VAL:HG13	7	0.12
(1,1364)	1:60:A:VAL:H	1:60:A:VAL:HG21	3	0.12
(1,1364)	1:60:A:VAL:H	1:60:A:VAL:HG22	3	0.12
(1,1364)	1:60:A:VAL:H	1:60:A:VAL:HG23	3	0.12
(1,1364)	1:60:A:VAL:H	1:60:A:VAL:HG21	15	0.12
(1,1364)	1:60:A:VAL:H	1:60:A:VAL:HG22	15	0.12
(1,1364)	1:60:A:VAL:H	1:60:A:VAL:HG23	15	0.12
(1,1362)	1:35:A:VAL:HG11	1:117:A:VAL:HG11	4	0.12
(1,1362)	1:35:A:VAL:HG11	1:117:A:VAL:HG12	4	0.12
(1,1362)	1:35:A:VAL:HG11	1:117:A:VAL:HG13	4	0.12
(1,1362)	1:35:A:VAL:HG12	1:117:A:VAL:HG11	4	0.12
(1,1362)	1:35:A:VAL:HG12	1:117:A:VAL:HG12	4	0.12
(1,1362)	1:35:A:VAL:HG12	1:117:A:VAL:HG13	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1362)	1:35:A:VAL:HG13	1:117:A:VAL:HG11	4	0.12
(1,1362)	1:35:A:VAL:HG13	1:117:A:VAL:HG12	4	0.12
(1,1362)	1:35:A:VAL:HG13	1:117:A:VAL:HG13	4	0.12
(1,1362)	1:35:A:VAL:HG11	1:117:A:VAL:HG11	13	0.12
(1,1362)	1:35:A:VAL:HG11	1:117:A:VAL:HG12	13	0.12
(1,1362)	1:35:A:VAL:HG11	1:117:A:VAL:HG13	13	0.12
(1,1362)	1:35:A:VAL:HG12	1:117:A:VAL:HG11	13	0.12
(1,1362)	1:35:A:VAL:HG12	1:117:A:VAL:HG12	13	0.12
(1,1362)	1:35:A:VAL:HG12	1:117:A:VAL:HG13	13	0.12
(1,1362)	1:35:A:VAL:HG13	1:117:A:VAL:HG11	13	0.12
(1,1362)	1:35:A:VAL:HG13	1:117:A:VAL:HG12	13	0.12
(1,1362)	1:35:A:VAL:HG13	1:117:A:VAL:HG13	13	0.12
(1,1303)	1:22:A:VAL:HG21	1:23:A:VAL:HB	2	0.12
(1,1303)	1:22:A:VAL:HG22	1:23:A:VAL:HB	2	0.12
(1,1303)	1:22:A:VAL:HG23	1:23:A:VAL:HB	2	0.12
(1,1302)	1:22:A:VAL:HG21	1:68:A:TYR:HB2	5	0.12
(1,1302)	1:22:A:VAL:HG21	1:68:A:TYR:HB3	5	0.12
(1,1302)	1:22:A:VAL:HG22	1:68:A:TYR:HB2	5	0.12
(1,1302)	1:22:A:VAL:HG22	1:68:A:TYR:HB3	5	0.12
(1,1302)	1:22:A:VAL:HG23	1:68:A:TYR:HB2	5	0.12
(1,1302)	1:22:A:VAL:HG23	1:68:A:TYR:HB3	5	0.12
(1,1300)	1:22:A:VAL:HG21	1:23:A:VAL:HA	3	0.12
(1,1300)	1:22:A:VAL:HG22	1:23:A:VAL:HA	3	0.12
(1,1300)	1:22:A:VAL:HG23	1:23:A:VAL:HA	3	0.12
(1,1300)	1:22:A:VAL:HG21	1:23:A:VAL:HA	9	0.12
(1,1300)	1:22:A:VAL:HG22	1:23:A:VAL:HA	9	0.12
(1,1300)	1:22:A:VAL:HG23	1:23:A:VAL:HA	9	0.12
(1,1300)	1:22:A:VAL:HG21	1:23:A:VAL:HA	11	0.12
(1,1300)	1:22:A:VAL:HG22	1:23:A:VAL:HA	11	0.12
(1,1300)	1:22:A:VAL:HG23	1:23:A:VAL:HA	11	0.12
(1,1300)	1:22:A:VAL:HG21	1:23:A:VAL:HA	19	0.12
(1,1300)	1:22:A:VAL:HG22	1:23:A:VAL:HA	19	0.12
(1,1300)	1:22:A:VAL:HG23	1:23:A:VAL:HA	19	0.12
(1,1295)	1:22:A:VAL:HG21	1:24:A:LYS:H	8	0.12
(1,1295)	1:22:A:VAL:HG22	1:24:A:LYS:H	8	0.12
(1,1295)	1:22:A:VAL:HG23	1:24:A:LYS:H	8	0.12
(1,1238)	1:12:A:CYS:HB3	1:108:A:LEU:HD21	18	0.12
(1,1238)	1:12:A:CYS:HB3	1:108:A:LEU:HD22	18	0.12
(1,1238)	1:12:A:CYS:HB3	1:108:A:LEU:HD23	18	0.12
(1,1221)	1:50:A:ASN:HA	1:51:A:VAL:HG21	2	0.12
(1,1221)	1:50:A:ASN:HA	1:51:A:VAL:HG22	2	0.12
(1,1221)	1:50:A:ASN:HA	1:51:A:VAL:HG23	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1217)	1:25:A:LEU:HD21	1:29:A:LYS:HE2	15	0.12
(1,1217)	1:25:A:LEU:HD21	1:29:A:LYS:HE3	15	0.12
(1,1217)	1:25:A:LEU:HD22	1:29:A:LYS:HE2	15	0.12
(1,1217)	1:25:A:LEU:HD22	1:29:A:LYS:HE3	15	0.12
(1,1217)	1:25:A:LEU:HD23	1:29:A:LYS:HE2	15	0.12
(1,1217)	1:25:A:LEU:HD23	1:29:A:LYS:HE3	15	0.12
(1,1217)	1:25:A:LEU:HD21	1:29:A:LYS:HE2	16	0.12
(1,1217)	1:25:A:LEU:HD21	1:29:A:LYS:HE3	16	0.12
(1,1217)	1:25:A:LEU:HD22	1:29:A:LYS:HE2	16	0.12
(1,1217)	1:25:A:LEU:HD22	1:29:A:LYS:HE3	16	0.12
(1,1217)	1:25:A:LEU:HD23	1:29:A:LYS:HE2	16	0.12
(1,1217)	1:25:A:LEU:HD23	1:29:A:LYS:HE3	16	0.12
(1,1165)	1:36:A:VAL:HG11	1:117:A:VAL:HG11	15	0.12
(1,1165)	1:36:A:VAL:HG11	1:117:A:VAL:HG12	15	0.12
(1,1165)	1:36:A:VAL:HG11	1:117:A:VAL:HG13	15	0.12
(1,1165)	1:36:A:VAL:HG12	1:117:A:VAL:HG11	15	0.12
(1,1165)	1:36:A:VAL:HG12	1:117:A:VAL:HG12	15	0.12
(1,1165)	1:36:A:VAL:HG12	1:117:A:VAL:HG13	15	0.12
(1,1165)	1:36:A:VAL:HG13	1:117:A:VAL:HG11	15	0.12
(1,1165)	1:36:A:VAL:HG13	1:117:A:VAL:HG12	15	0.12
(1,1165)	1:36:A:VAL:HG13	1:117:A:VAL:HG13	15	0.12
(1,1148)	1:47:A:THR:HG21	1:76:A:CYS:H	6	0.12
(1,1148)	1:47:A:THR:HG22	1:76:A:CYS:H	6	0.12
(1,1148)	1:47:A:THR:HG23	1:76:A:CYS:H	6	0.12
(1,1088)	1:6:A:LEU:HD11	1:11:A:LYS:HG3	5	0.12
(1,1088)	1:6:A:LEU:HD12	1:11:A:LYS:HG3	5	0.12
(1,1088)	1:6:A:LEU:HD13	1:11:A:LYS:HG3	5	0.12
(1,1088)	1:6:A:LEU:HD21	1:11:A:LYS:HG3	5	0.12
(1,1088)	1:6:A:LEU:HD22	1:11:A:LYS:HG3	5	0.12
(1,1088)	1:6:A:LEU:HD23	1:11:A:LYS:HG3	5	0.12
(1,1010)	1:6:A:LEU:HD11	1:117:A:VAL:HG21	10	0.12
(1,1010)	1:6:A:LEU:HD11	1:117:A:VAL:HG22	10	0.12
(1,1010)	1:6:A:LEU:HD11	1:117:A:VAL:HG23	10	0.12
(1,1010)	1:6:A:LEU:HD12	1:117:A:VAL:HG21	10	0.12
(1,1010)	1:6:A:LEU:HD12	1:117:A:VAL:HG22	10	0.12
(1,1010)	1:6:A:LEU:HD12	1:117:A:VAL:HG23	10	0.12
(1,1010)	1:6:A:LEU:HD13	1:117:A:VAL:HG21	10	0.12
(1,1010)	1:6:A:LEU:HD13	1:117:A:VAL:HG22	10	0.12
(1,1010)	1:6:A:LEU:HD13	1:117:A:VAL:HG23	10	0.12
(1,1010)	1:6:A:LEU:HD21	1:117:A:VAL:HG21	10	0.12
(1,1010)	1:6:A:LEU:HD21	1:117:A:VAL:HG22	10	0.12
(1,1010)	1:6:A:LEU:HD21	1:117:A:VAL:HG23	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1010)	1:6:A:LEU:HD22	1:117:A:VAL:HG21	10	0.12
(1,1010)	1:6:A:LEU:HD22	1:117:A:VAL:HG22	10	0.12
(1,1010)	1:6:A:LEU:HD22	1:117:A:VAL:HG23	10	0.12
(1,1010)	1:6:A:LEU:HD23	1:117:A:VAL:HG21	10	0.12
(1,1010)	1:6:A:LEU:HD23	1:117:A:VAL:HG22	10	0.12
(1,1010)	1:6:A:LEU:HD23	1:117:A:VAL:HG23	10	0.12
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD21	18	0.12
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD22	18	0.12
(1,989)	1:68:A:TYR:HA	1:75:A:LEU:HD23	18	0.12
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD21	5	0.12
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD22	5	0.12
(1,965)	1:105:A:LEU:HA	1:105:A:LEU:HD23	5	0.12
(1,931)	1:105:A:LEU:HD11	1:106:A:GLU:H	14	0.12
(1,931)	1:105:A:LEU:HD12	1:106:A:GLU:H	14	0.12
(1,931)	1:105:A:LEU:HD13	1:106:A:GLU:H	14	0.12
(1,868)	1:119:A:VAL:HG21	1:120:A:ARG:HG3	1	0.12
(1,868)	1:119:A:VAL:HG22	1:120:A:ARG:HG3	1	0.12
(1,868)	1:119:A:VAL:HG23	1:120:A:ARG:HG3	1	0.12
(1,868)	1:119:A:VAL:HG21	1:120:A:ARG:HG3	4	0.12
(1,868)	1:119:A:VAL:HG22	1:120:A:ARG:HG3	4	0.12
(1,868)	1:119:A:VAL:HG23	1:120:A:ARG:HG3	4	0.12
(1,868)	1:119:A:VAL:HG21	1:120:A:ARG:HG3	6	0.12
(1,868)	1:119:A:VAL:HG22	1:120:A:ARG:HG3	6	0.12
(1,868)	1:119:A:VAL:HG23	1:120:A:ARG:HG3	6	0.12
(1,826)	1:7:A:PHE:HE1	1:111:A:ILE:HG12	4	0.12
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG11	20	0.12
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG12	20	0.12
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG13	20	0.12
(1,738)	1:112:A:LYS:HB2	1:112:A:LYS:HD2	4	0.12
(1,738)	1:112:A:LYS:HB2	1:112:A:LYS:HD3	4	0.12
(1,690)	1:63:A:ILE:HG12	1:64:A:GLY:H	18	0.12
(1,653)	1:30:A:ILE:HG13	1:32:A:PHE:H	2	0.12
(1,618)	1:7:A:PHE:HD1	1:115:A:GLU:HB3	5	0.12
(1,575)	1:44:A:TYR:HB2	1:76:A:CYS:HB2	4	0.12
(1,575)	1:44:A:TYR:HB3	1:76:A:CYS:HB2	4	0.12
(1,556)	1:54:A:MET:HG2	1:96:A:ASN:HB2	7	0.12
(1,556)	1:54:A:MET:HG3	1:96:A:ASN:HB2	7	0.12
(1,549)	1:62:A:GLU:HB3	1:65:A:ASP:HB3	12	0.12
(1,469)	1:60:A:VAL:HG11	1:88:A:LYS:HB3	16	0.12
(1,469)	1:60:A:VAL:HG12	1:88:A:LYS:HB3	16	0.12
(1,469)	1:60:A:VAL:HG13	1:88:A:LYS:HB3	16	0.12
(1,469)	1:60:A:VAL:HG11	1:88:A:LYS:HB2	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,469)	1:60:A:VAL:HG12	1:88:A:LYS:HB2	16	0.12
(1,469)	1:60:A:VAL:HG13	1:88:A:LYS:HB2	16	0.12
(1,467)	1:52:A:GLN:HA	1:52:A:GLN:HG2	10	0.12
(1,467)	1:52:A:GLN:HA	1:52:A:GLN:HG3	10	0.12
(1,411)	1:68:A:TYR:HB2	1:95:A:VAL:HB	12	0.12
(1,411)	1:68:A:TYR:HB3	1:95:A:VAL:HB	12	0.12
(1,411)	1:68:A:TYR:HB2	1:95:A:VAL:HB	19	0.12
(1,411)	1:68:A:TYR:HB3	1:95:A:VAL:HB	19	0.12
(1,386)	1:61:A:VAL:HG11	1:62:A:GLU:HG2	7	0.12
(1,386)	1:61:A:VAL:HG12	1:62:A:GLU:HG2	7	0.12
(1,386)	1:61:A:VAL:HG13	1:62:A:GLU:HG2	7	0.12
(1,354)	1:13:A:VAL:HG11	1:103:A:GLU:HG3	19	0.12
(1,354)	1:13:A:VAL:HG12	1:103:A:GLU:HG3	19	0.12
(1,354)	1:13:A:VAL:HG13	1:103:A:GLU:HG3	19	0.12
(1,337)	1:33:A:GLU:HB2	1:33:A:GLU:HG2	1	0.12
(1,337)	1:33:A:GLU:HB2	1:33:A:GLU:HG2	6	0.12
(1,337)	1:33:A:GLU:HB2	1:33:A:GLU:HG2	12	0.12
(1,334)	1:33:A:GLU:H	1:33:A:GLU:HG2	7	0.12
(1,334)	1:33:A:GLU:H	1:33:A:GLU:HG2	8	0.12
(1,334)	1:33:A:GLU:H	1:33:A:GLU:HG2	13	0.12
(1,334)	1:33:A:GLU:H	1:33:A:GLU:HG2	18	0.12
(1,251)	1:17:A:ASN:HA	1:18:A:GLU:HG2	15	0.12
(1,236)	1:78:A:PHE:HB2	1:89:A:ILE:HG21	8	0.12
(1,236)	1:78:A:PHE:HB2	1:89:A:ILE:HG22	8	0.12
(1,236)	1:78:A:PHE:HB2	1:89:A:ILE:HG23	8	0.12
(1,196)	1:35:A:VAL:HG21	1:45:A:PHE:HB3	5	0.12
(1,196)	1:35:A:VAL:HG22	1:45:A:PHE:HB3	5	0.12
(1,196)	1:35:A:VAL:HG23	1:45:A:PHE:HB3	5	0.12
(1,187)	1:107:A:ASP:HB2	1:108:A:LEU:H	11	0.12
(1,175)	1:65:A:ASP:HB2	1:97:A:VAL:HA	17	0.12
(1,143)	1:6:A:LEU:HB2	1:118:A:ALA:H	11	0.12
(1,133)	1:109:A:LYS:HA	1:109:A:LYS:HE3	12	0.12
(1,133)	1:109:A:LYS:HA	1:109:A:LYS:HE3	18	0.12
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG21	4	0.12
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG22	4	0.12
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG23	4	0.12
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG21	5	0.12
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG22	5	0.12
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG23	5	0.12
(1,65)	1:15:A:ASP:HB2	1:100:A:LYS:HB2	10	0.12
(1,60)	1:120:A:ARG:HA	1:120:A:ARG:HD2	16	0.12
(1,60)	1:120:A:ARG:HA	1:120:A:ARG:HD3	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,30)	1:15:A:ASP:HA	1:16:A:LEU:HB3	10	0.12
(1,15)	1:66:A:VAL:HB	1:99:A:GLY:HA2	6	0.12
(1,2881)	1:69:A:TRP:HH2	1:92:A:ALA:HB1	2	0.11
(1,2881)	1:69:A:TRP:HH2	1:92:A:ALA:HB2	2	0.11
(1,2881)	1:69:A:TRP:HH2	1:92:A:ALA:HB3	2	0.11
(1,2881)	1:69:A:TRP:HH2	1:92:A:ALA:HB1	4	0.11
(1,2881)	1:69:A:TRP:HH2	1:92:A:ALA:HB2	4	0.11
(1,2881)	1:69:A:TRP:HH2	1:92:A:ALA:HB3	4	0.11
(1,2881)	1:69:A:TRP:HH2	1:92:A:ALA:HB1	5	0.11
(1,2881)	1:69:A:TRP:HH2	1:92:A:ALA:HB2	5	0.11
(1,2881)	1:69:A:TRP:HH2	1:92:A:ALA:HB3	5	0.11
(1,2881)	1:69:A:TRP:HH2	1:92:A:ALA:HB1	14	0.11
(1,2881)	1:69:A:TRP:HH2	1:92:A:ALA:HB2	14	0.11
(1,2881)	1:69:A:TRP:HH2	1:92:A:ALA:HB3	14	0.11
(1,2881)	1:69:A:TRP:HH2	1:92:A:ALA:HB1	16	0.11
(1,2881)	1:69:A:TRP:HH2	1:92:A:ALA:HB2	16	0.11
(1,2881)	1:69:A:TRP:HH2	1:92:A:ALA:HB3	16	0.11
(1,2859)	1:45:A:PHE:HZ	1:117:A:VAL:HG21	13	0.11
(1,2859)	1:45:A:PHE:HZ	1:117:A:VAL:HG22	13	0.11
(1,2859)	1:45:A:PHE:HZ	1:117:A:VAL:HG23	13	0.11
(1,2851)	1:38:A:THR:HG21	1:79:A:PHE:HZ	18	0.11
(1,2851)	1:38:A:THR:HG22	1:79:A:PHE:HZ	18	0.11
(1,2851)	1:38:A:THR:HG23	1:79:A:PHE:HZ	18	0.11
(1,2829)	1:27:A:LYS:HG3	1:121:A:PHE:HZ	17	0.11
(1,2825)	1:7:A:PHE:HD1	1:36:A:VAL:HG11	9	0.11
(1,2825)	1:7:A:PHE:HD1	1:36:A:VAL:HG12	9	0.11
(1,2825)	1:7:A:PHE:HD1	1:36:A:VAL:HG13	9	0.11
(1,2825)	1:7:A:PHE:HD2	1:36:A:VAL:HG11	9	0.11
(1,2825)	1:7:A:PHE:HD2	1:36:A:VAL:HG12	9	0.11
(1,2825)	1:7:A:PHE:HD2	1:36:A:VAL:HG13	9	0.11
(1,2825)	1:7:A:PHE:HD1	1:36:A:VAL:HG11	20	0.11
(1,2825)	1:7:A:PHE:HD1	1:36:A:VAL:HG12	20	0.11
(1,2825)	1:7:A:PHE:HD1	1:36:A:VAL:HG13	20	0.11
(1,2825)	1:7:A:PHE:HD2	1:36:A:VAL:HG11	20	0.11
(1,2825)	1:7:A:PHE:HD2	1:36:A:VAL:HG12	20	0.11
(1,2825)	1:7:A:PHE:HD2	1:36:A:VAL:HG13	20	0.11
(1,2824)	1:7:A:PHE:HD1	1:117:A:VAL:HG21	3	0.11
(1,2824)	1:7:A:PHE:HD1	1:117:A:VAL:HG22	3	0.11
(1,2824)	1:7:A:PHE:HD1	1:117:A:VAL:HG23	3	0.11
(1,2824)	1:7:A:PHE:HD2	1:117:A:VAL:HG21	3	0.11
(1,2824)	1:7:A:PHE:HD2	1:117:A:VAL:HG22	3	0.11
(1,2824)	1:7:A:PHE:HD2	1:117:A:VAL:HG23	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2824)	1:7:A:PHE:HD1	1:117:A:VAL:HG21	6	0.11
(1,2824)	1:7:A:PHE:HD1	1:117:A:VAL:HG22	6	0.11
(1,2824)	1:7:A:PHE:HD1	1:117:A:VAL:HG23	6	0.11
(1,2824)	1:7:A:PHE:HD2	1:117:A:VAL:HG21	6	0.11
(1,2824)	1:7:A:PHE:HD2	1:117:A:VAL:HG22	6	0.11
(1,2824)	1:7:A:PHE:HD2	1:117:A:VAL:HG23	6	0.11
(1,2824)	1:7:A:PHE:HD1	1:117:A:VAL:HG21	9	0.11
(1,2824)	1:7:A:PHE:HD1	1:117:A:VAL:HG22	9	0.11
(1,2824)	1:7:A:PHE:HD1	1:117:A:VAL:HG23	9	0.11
(1,2824)	1:7:A:PHE:HD2	1:117:A:VAL:HG21	9	0.11
(1,2824)	1:7:A:PHE:HD2	1:117:A:VAL:HG22	9	0.11
(1,2824)	1:7:A:PHE:HD2	1:117:A:VAL:HG23	9	0.11
(1,2824)	1:7:A:PHE:HD1	1:117:A:VAL:HG21	10	0.11
(1,2824)	1:7:A:PHE:HD1	1:117:A:VAL:HG22	10	0.11
(1,2824)	1:7:A:PHE:HD1	1:117:A:VAL:HG23	10	0.11
(1,2824)	1:7:A:PHE:HD2	1:117:A:VAL:HG21	10	0.11
(1,2824)	1:7:A:PHE:HD2	1:117:A:VAL:HG22	10	0.11
(1,2824)	1:7:A:PHE:HD2	1:117:A:VAL:HG23	10	0.11
(1,2822)	1:7:A:PHE:HD1	1:117:A:VAL:HB	2	0.11
(1,2822)	1:7:A:PHE:HD2	1:117:A:VAL:HB	2	0.11
(1,2821)	1:7:A:PHE:HD1	1:11:A:LYS:HB2	2	0.11
(1,2821)	1:7:A:PHE:HD1	1:11:A:LYS:HB3	2	0.11
(1,2821)	1:7:A:PHE:HD2	1:11:A:LYS:HB2	2	0.11
(1,2821)	1:7:A:PHE:HD2	1:11:A:LYS:HB3	2	0.11
(1,2821)	1:7:A:PHE:HD1	1:11:A:LYS:HB2	3	0.11
(1,2821)	1:7:A:PHE:HD1	1:11:A:LYS:HB3	3	0.11
(1,2821)	1:7:A:PHE:HD2	1:11:A:LYS:HB2	3	0.11
(1,2821)	1:7:A:PHE:HD2	1:11:A:LYS:HB3	3	0.11
(1,2821)	1:7:A:PHE:HD1	1:11:A:LYS:HB2	4	0.11
(1,2821)	1:7:A:PHE:HD1	1:11:A:LYS:HB3	4	0.11
(1,2821)	1:7:A:PHE:HD2	1:11:A:LYS:HB2	4	0.11
(1,2821)	1:7:A:PHE:HD2	1:11:A:LYS:HB3	4	0.11
(1,2821)	1:7:A:PHE:HD1	1:11:A:LYS:HB2	5	0.11
(1,2821)	1:7:A:PHE:HD1	1:11:A:LYS:HB3	5	0.11
(1,2821)	1:7:A:PHE:HD2	1:11:A:LYS:HB2	5	0.11
(1,2821)	1:7:A:PHE:HD2	1:11:A:LYS:HB3	5	0.11
(1,2821)	1:7:A:PHE:HD1	1:11:A:LYS:HB2	8	0.11
(1,2821)	1:7:A:PHE:HD1	1:11:A:LYS:HB3	8	0.11
(1,2821)	1:7:A:PHE:HD2	1:11:A:LYS:HB2	8	0.11
(1,2821)	1:7:A:PHE:HD2	1:11:A:LYS:HB3	8	0.11
(1,2821)	1:7:A:PHE:HD1	1:11:A:LYS:HB2	11	0.11
(1,2821)	1:7:A:PHE:HD1	1:11:A:LYS:HB3	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2821)	1:7:A:PHE:HD2	1:11:A:LYS:HB2	11	0.11
(1,2821)	1:7:A:PHE:HD2	1:11:A:LYS:HB3	11	0.11
(1,2821)	1:7:A:PHE:HD1	1:11:A:LYS:HB2	16	0.11
(1,2821)	1:7:A:PHE:HD1	1:11:A:LYS:HB3	16	0.11
(1,2821)	1:7:A:PHE:HD2	1:11:A:LYS:HB2	16	0.11
(1,2821)	1:7:A:PHE:HD2	1:11:A:LYS:HB3	16	0.11
(1,2821)	1:7:A:PHE:HD1	1:11:A:LYS:HB2	17	0.11
(1,2821)	1:7:A:PHE:HD1	1:11:A:LYS:HB3	17	0.11
(1,2821)	1:7:A:PHE:HD2	1:11:A:LYS:HB2	17	0.11
(1,2821)	1:7:A:PHE:HD2	1:11:A:LYS:HB3	17	0.11
(1,2804)	1:3:A:VAL:HG21	1:121:A:PHE:HE1	1	0.11
(1,2804)	1:3:A:VAL:HG21	1:121:A:PHE:HE2	1	0.11
(1,2804)	1:3:A:VAL:HG22	1:121:A:PHE:HE1	1	0.11
(1,2804)	1:3:A:VAL:HG22	1:121:A:PHE:HE2	1	0.11
(1,2804)	1:3:A:VAL:HG23	1:121:A:PHE:HE1	1	0.11
(1,2804)	1:3:A:VAL:HG23	1:121:A:PHE:HE2	1	0.11
(1,2804)	1:3:A:VAL:HG21	1:121:A:PHE:HE1	12	0.11
(1,2804)	1:3:A:VAL:HG21	1:121:A:PHE:HE2	12	0.11
(1,2804)	1:3:A:VAL:HG22	1:121:A:PHE:HE1	12	0.11
(1,2804)	1:3:A:VAL:HG22	1:121:A:PHE:HE2	12	0.11
(1,2804)	1:3:A:VAL:HG23	1:121:A:PHE:HE1	12	0.11
(1,2804)	1:3:A:VAL:HG23	1:121:A:PHE:HE2	12	0.11
(1,2782)	1:78:A:PHE:HD1	1:82:A:THR:HG21	14	0.11
(1,2782)	1:78:A:PHE:HD1	1:82:A:THR:HG22	14	0.11
(1,2782)	1:78:A:PHE:HD1	1:82:A:THR:HG23	14	0.11
(1,2782)	1:78:A:PHE:HD2	1:82:A:THR:HG21	14	0.11
(1,2782)	1:78:A:PHE:HD2	1:82:A:THR:HG22	14	0.11
(1,2782)	1:78:A:PHE:HD2	1:82:A:THR:HG23	14	0.11
(1,2771)	1:79:A:PHE:HA	1:79:A:PHE:HD1	14	0.11
(1,2771)	1:79:A:PHE:HA	1:79:A:PHE:HD2	14	0.11
(1,2763)	1:36:A:VAL:HA	1:45:A:PHE:HD1	3	0.11
(1,2763)	1:36:A:VAL:HA	1:45:A:PHE:HD2	3	0.11
(1,2757)	1:31:A:PRO:HA	1:32:A:PHE:HD1	8	0.11
(1,2757)	1:31:A:PRO:HA	1:32:A:PHE:HD2	8	0.11
(1,2693)	1:17:A:ASN:HD21	1:19:A:GLU:HB3	7	0.11
(1,2682)	1:66:A:VAL:HG21	1:67:A:GLY:H	5	0.11
(1,2682)	1:66:A:VAL:HG22	1:67:A:GLY:H	5	0.11
(1,2682)	1:66:A:VAL:HG23	1:67:A:GLY:H	5	0.11
(1,2682)	1:66:A:VAL:HG21	1:67:A:GLY:H	20	0.11
(1,2682)	1:66:A:VAL:HG22	1:67:A:GLY:H	20	0.11
(1,2682)	1:66:A:VAL:HG23	1:67:A:GLY:H	20	0.11
(1,2662)	1:7:A:PHE:HD1	1:9:A:SER:H	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2514)	1:60:A:VAL:H	1:61:A:VAL:HG21	5	0.11
(1,2514)	1:60:A:VAL:H	1:61:A:VAL:HG22	5	0.11
(1,2514)	1:60:A:VAL:H	1:61:A:VAL:HG23	5	0.11
(1,2514)	1:60:A:VAL:H	1:61:A:VAL:HG21	6	0.11
(1,2514)	1:60:A:VAL:H	1:61:A:VAL:HG22	6	0.11
(1,2514)	1:60:A:VAL:H	1:61:A:VAL:HG23	6	0.11
(1,2512)	1:60:A:VAL:H	1:60:A:VAL:HB	18	0.11
(1,2361)	1:7:A:PHE:HB2	1:8:A:GLU:H	12	0.11
(1,2335)	1:13:A:VAL:HB	1:103:A:GLU:H	18	0.11
(1,2315)	1:16:A:LEU:HB2	1:17:A:ASN:H	3	0.11
(1,2315)	1:16:A:LEU:HB2	1:17:A:ASN:H	20	0.11
(1,2265)	1:122:A:ALA:HB1	1:124:A:SER:H	5	0.11
(1,2265)	1:122:A:ALA:HB2	1:124:A:SER:H	5	0.11
(1,2265)	1:122:A:ALA:HB3	1:124:A:SER:H	5	0.11
(1,2265)	1:122:A:ALA:HB1	1:124:A:SER:H	10	0.11
(1,2265)	1:122:A:ALA:HB2	1:124:A:SER:H	10	0.11
(1,2265)	1:122:A:ALA:HB3	1:124:A:SER:H	10	0.11
(1,2254)	1:51:A:VAL:H	1:51:A:VAL:HG21	13	0.11
(1,2254)	1:51:A:VAL:H	1:51:A:VAL:HG22	13	0.11
(1,2254)	1:51:A:VAL:H	1:51:A:VAL:HG23	13	0.11
(1,2220)	1:6:A:LEU:H	1:6:A:LEU:HB3	20	0.11
(1,2216)	1:3:A:VAL:HG21	1:16:A:LEU:H	4	0.11
(1,2216)	1:3:A:VAL:HG22	1:16:A:LEU:H	4	0.11
(1,2216)	1:3:A:VAL:HG23	1:16:A:LEU:H	4	0.11
(1,2216)	1:3:A:VAL:HG21	1:16:A:LEU:H	5	0.11
(1,2216)	1:3:A:VAL:HG22	1:16:A:LEU:H	5	0.11
(1,2216)	1:3:A:VAL:HG23	1:16:A:LEU:H	5	0.11
(1,2216)	1:3:A:VAL:HG21	1:16:A:LEU:H	9	0.11
(1,2216)	1:3:A:VAL:HG22	1:16:A:LEU:H	9	0.11
(1,2216)	1:3:A:VAL:HG23	1:16:A:LEU:H	9	0.11
(1,2216)	1:3:A:VAL:HG21	1:16:A:LEU:H	16	0.11
(1,2216)	1:3:A:VAL:HG22	1:16:A:LEU:H	16	0.11
(1,2216)	1:3:A:VAL:HG23	1:16:A:LEU:H	16	0.11
(1,2216)	1:3:A:VAL:HG21	1:16:A:LEU:H	19	0.11
(1,2216)	1:3:A:VAL:HG22	1:16:A:LEU:H	19	0.11
(1,2216)	1:3:A:VAL:HG23	1:16:A:LEU:H	19	0.11
(1,2209)	1:3:A:VAL:HG21	1:122:A:ALA:H	1	0.11
(1,2209)	1:3:A:VAL:HG22	1:122:A:ALA:H	1	0.11
(1,2209)	1:3:A:VAL:HG23	1:122:A:ALA:H	1	0.11
(1,2209)	1:3:A:VAL:HG21	1:122:A:ALA:H	9	0.11
(1,2209)	1:3:A:VAL:HG22	1:122:A:ALA:H	9	0.11
(1,2209)	1:3:A:VAL:HG23	1:122:A:ALA:H	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2209)	1:3:A:VAL:HG21	1:122:A:ALA:H	10	0.11
(1,2209)	1:3:A:VAL:HG22	1:122:A:ALA:H	10	0.11
(1,2209)	1:3:A:VAL:HG23	1:122:A:ALA:H	10	0.11
(1,2209)	1:3:A:VAL:HG21	1:122:A:ALA:H	12	0.11
(1,2209)	1:3:A:VAL:HG22	1:122:A:ALA:H	12	0.11
(1,2209)	1:3:A:VAL:HG23	1:122:A:ALA:H	12	0.11
(1,2209)	1:3:A:VAL:HG21	1:122:A:ALA:H	15	0.11
(1,2209)	1:3:A:VAL:HG22	1:122:A:ALA:H	15	0.11
(1,2209)	1:3:A:VAL:HG23	1:122:A:ALA:H	15	0.11
(1,2209)	1:3:A:VAL:HG21	1:122:A:ALA:H	18	0.11
(1,2209)	1:3:A:VAL:HG22	1:122:A:ALA:H	18	0.11
(1,2209)	1:3:A:VAL:HG23	1:122:A:ALA:H	18	0.11
(1,2209)	1:3:A:VAL:HG21	1:122:A:ALA:H	19	0.11
(1,2209)	1:3:A:VAL:HG22	1:122:A:ALA:H	19	0.11
(1,2209)	1:3:A:VAL:HG23	1:122:A:ALA:H	19	0.11
(1,2206)	1:121:A:PHE:HD1	1:122:A:ALA:H	4	0.11
(1,2206)	1:121:A:PHE:HD2	1:122:A:ALA:H	4	0.11
(1,2206)	1:121:A:PHE:HD1	1:122:A:ALA:H	6	0.11
(1,2206)	1:121:A:PHE:HD2	1:122:A:ALA:H	6	0.11
(1,2206)	1:121:A:PHE:HD1	1:122:A:ALA:H	11	0.11
(1,2206)	1:121:A:PHE:HD2	1:122:A:ALA:H	11	0.11
(1,2206)	1:121:A:PHE:HD1	1:122:A:ALA:H	13	0.11
(1,2206)	1:121:A:PHE:HD2	1:122:A:ALA:H	13	0.11
(1,2206)	1:121:A:PHE:HD1	1:122:A:ALA:H	14	0.11
(1,2206)	1:121:A:PHE:HD2	1:122:A:ALA:H	14	0.11
(1,2206)	1:121:A:PHE:HD1	1:122:A:ALA:H	15	0.11
(1,2206)	1:121:A:PHE:HD2	1:122:A:ALA:H	15	0.11
(1,2206)	1:121:A:PHE:HD1	1:122:A:ALA:H	16	0.11
(1,2206)	1:121:A:PHE:HD2	1:122:A:ALA:H	16	0.11
(1,2206)	1:121:A:PHE:HD1	1:122:A:ALA:H	17	0.11
(1,2206)	1:121:A:PHE:HD2	1:122:A:ALA:H	17	0.11
(1,2109)	1:41:A:GLU:H	1:82:A:THR:HG21	10	0.11
(1,2109)	1:41:A:GLU:H	1:82:A:THR:HG22	10	0.11
(1,2109)	1:41:A:GLU:H	1:82:A:THR:HG23	10	0.11
(1,2109)	1:41:A:GLU:H	1:82:A:THR:HG21	14	0.11
(1,2109)	1:41:A:GLU:H	1:82:A:THR:HG22	14	0.11
(1,2109)	1:41:A:GLU:H	1:82:A:THR:HG23	14	0.11
(1,2048)	1:48:A:PRO:HD2	1:49:A:VAL:HG11	18	0.11
(1,2048)	1:48:A:PRO:HD2	1:49:A:VAL:HG12	18	0.11
(1,2048)	1:48:A:PRO:HD2	1:49:A:VAL:HG13	18	0.11
(1,1969)	1:15:A:ASP:HA	1:16:A:LEU:HG	1	0.11
(1,1969)	1:15:A:ASP:HA	1:16:A:LEU:HG	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1969)	1:15:A:ASP:HA	1:16:A:LEU:HG	8	0.11
(1,1969)	1:15:A:ASP:HA	1:16:A:LEU:HG	10	0.11
(1,1969)	1:15:A:ASP:HA	1:16:A:LEU:HG	17	0.11
(1,1961)	1:6:A:LEU:HA	1:10:A:GLY:HA2	14	0.11
(1,1961)	1:6:A:LEU:HA	1:10:A:GLY:HA3	14	0.11
(1,1917)	1:42:A:GLU:HA	1:43:A:ILE:HD11	7	0.11
(1,1917)	1:42:A:GLU:HA	1:43:A:ILE:HD12	7	0.11
(1,1917)	1:42:A:GLU:HA	1:43:A:ILE:HD13	7	0.11
(1,1917)	1:42:A:GLU:HA	1:43:A:ILE:HD11	15	0.11
(1,1917)	1:42:A:GLU:HA	1:43:A:ILE:HD12	15	0.11
(1,1917)	1:42:A:GLU:HA	1:43:A:ILE:HD13	15	0.11
(1,1917)	1:42:A:GLU:HA	1:43:A:ILE:HD11	17	0.11
(1,1917)	1:42:A:GLU:HA	1:43:A:ILE:HD12	17	0.11
(1,1917)	1:42:A:GLU:HA	1:43:A:ILE:HD13	17	0.11
(1,1914)	1:100:A:LYS:HA	1:100:A:LYS:HD2	12	0.11
(1,1914)	1:100:A:LYS:HA	1:100:A:LYS:HD3	12	0.11
(1,1814)	1:101:A:ILE:HD11	1:102:A:VAL:H	2	0.11
(1,1814)	1:101:A:ILE:HD12	1:102:A:VAL:H	2	0.11
(1,1814)	1:101:A:ILE:HD13	1:102:A:VAL:H	2	0.11
(1,1814)	1:101:A:ILE:HD11	1:102:A:VAL:H	6	0.11
(1,1814)	1:101:A:ILE:HD12	1:102:A:VAL:H	6	0.11
(1,1814)	1:101:A:ILE:HD13	1:102:A:VAL:H	6	0.11
(1,1814)	1:101:A:ILE:HD11	1:102:A:VAL:H	11	0.11
(1,1814)	1:101:A:ILE:HD12	1:102:A:VAL:H	11	0.11
(1,1814)	1:101:A:ILE:HD13	1:102:A:VAL:H	11	0.11
(1,1814)	1:101:A:ILE:HD11	1:102:A:VAL:H	17	0.11
(1,1814)	1:101:A:ILE:HD12	1:102:A:VAL:H	17	0.11
(1,1814)	1:101:A:ILE:HD13	1:102:A:VAL:H	17	0.11
(1,1814)	1:101:A:ILE:HD11	1:102:A:VAL:H	20	0.11
(1,1814)	1:101:A:ILE:HD12	1:102:A:VAL:H	20	0.11
(1,1814)	1:101:A:ILE:HD13	1:102:A:VAL:H	20	0.11
(1,1813)	1:64:A:GLY:H	1:101:A:ILE:HD11	13	0.11
(1,1813)	1:64:A:GLY:H	1:101:A:ILE:HD12	13	0.11
(1,1813)	1:64:A:GLY:H	1:101:A:ILE:HD13	13	0.11
(1,1782)	1:7:A:PHE:HA	1:117:A:VAL:HB	5	0.11
(1,1749)	1:36:A:VAL:HB	1:43:A:ILE:HD11	14	0.11
(1,1749)	1:36:A:VAL:HB	1:43:A:ILE:HD12	14	0.11
(1,1749)	1:36:A:VAL:HB	1:43:A:ILE:HD13	14	0.11
(1,1635)	1:85:A:SER:HA	1:90:A:GLN:HB2	20	0.11
(1,1614)	1:36:A:VAL:HB	1:43:A:ILE:HG21	6	0.11
(1,1614)	1:36:A:VAL:HB	1:43:A:ILE:HG22	6	0.11
(1,1614)	1:36:A:VAL:HB	1:43:A:ILE:HG23	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1614)	1:36:A:VAL:HB	1:43:A:ILE:HG21	7	0.11
(1,1614)	1:36:A:VAL:HB	1:43:A:ILE:HG22	7	0.11
(1,1614)	1:36:A:VAL:HB	1:43:A:ILE:HG23	7	0.11
(1,1614)	1:36:A:VAL:HB	1:43:A:ILE:HG21	16	0.11
(1,1614)	1:36:A:VAL:HB	1:43:A:ILE:HG22	16	0.11
(1,1614)	1:36:A:VAL:HB	1:43:A:ILE:HG23	16	0.11
(1,1614)	1:36:A:VAL:HB	1:43:A:ILE:HG21	17	0.11
(1,1614)	1:36:A:VAL:HB	1:43:A:ILE:HG22	17	0.11
(1,1614)	1:36:A:VAL:HB	1:43:A:ILE:HG23	17	0.11
(1,1614)	1:36:A:VAL:HB	1:43:A:ILE:HG21	19	0.11
(1,1614)	1:36:A:VAL:HB	1:43:A:ILE:HG22	19	0.11
(1,1614)	1:36:A:VAL:HB	1:43:A:ILE:HG23	19	0.11
(1,1614)	1:36:A:VAL:HB	1:43:A:ILE:HG21	20	0.11
(1,1614)	1:36:A:VAL:HB	1:43:A:ILE:HG22	20	0.11
(1,1614)	1:36:A:VAL:HB	1:43:A:ILE:HG23	20	0.11
(1,1609)	1:36:A:VAL:H	1:43:A:ILE:HG21	2	0.11
(1,1609)	1:36:A:VAL:H	1:43:A:ILE:HG22	2	0.11
(1,1609)	1:36:A:VAL:H	1:43:A:ILE:HG23	2	0.11
(1,1609)	1:36:A:VAL:H	1:43:A:ILE:HG21	14	0.11
(1,1609)	1:36:A:VAL:H	1:43:A:ILE:HG22	14	0.11
(1,1609)	1:36:A:VAL:H	1:43:A:ILE:HG23	14	0.11
(1,1609)	1:36:A:VAL:H	1:43:A:ILE:HG21	15	0.11
(1,1609)	1:36:A:VAL:H	1:43:A:ILE:HG22	15	0.11
(1,1609)	1:36:A:VAL:H	1:43:A:ILE:HG23	15	0.11
(1,1605)	1:43:A:ILE:HG21	1:111:A:ILE:HD11	2	0.11
(1,1605)	1:43:A:ILE:HG21	1:111:A:ILE:HD12	2	0.11
(1,1605)	1:43:A:ILE:HG21	1:111:A:ILE:HD13	2	0.11
(1,1605)	1:43:A:ILE:HG22	1:111:A:ILE:HD11	2	0.11
(1,1605)	1:43:A:ILE:HG22	1:111:A:ILE:HD12	2	0.11
(1,1605)	1:43:A:ILE:HG22	1:111:A:ILE:HD13	2	0.11
(1,1605)	1:43:A:ILE:HG23	1:111:A:ILE:HD11	2	0.11
(1,1605)	1:43:A:ILE:HG23	1:111:A:ILE:HD12	2	0.11
(1,1605)	1:43:A:ILE:HG23	1:111:A:ILE:HD13	2	0.11
(1,1582)	1:12:A:CYS:HA	1:101:A:ILE:HG21	16	0.11
(1,1582)	1:12:A:CYS:HA	1:101:A:ILE:HG22	16	0.11
(1,1582)	1:12:A:CYS:HA	1:101:A:ILE:HG23	16	0.11
(1,1553)	1:41:A:GLU:H	1:82:A:THR:HA	15	0.11
(1,1471)	1:2:A:ARG:HD3	1:122:A:ALA:HB1	20	0.11
(1,1471)	1:2:A:ARG:HD3	1:122:A:ALA:HB2	20	0.11
(1,1471)	1:2:A:ARG:HD3	1:122:A:ALA:HB3	20	0.11
(1,1465)	1:122:A:ALA:H	1:122:A:ALA:HB1	8	0.11
(1,1465)	1:122:A:ALA:H	1:122:A:ALA:HB2	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1465)	1:122:A:ALA:H	1:122:A:ALA:HB3	8	0.11
(1,1465)	1:122:A:ALA:H	1:122:A:ALA:HB1	10	0.11
(1,1465)	1:122:A:ALA:H	1:122:A:ALA:HB2	10	0.11
(1,1465)	1:122:A:ALA:H	1:122:A:ALA:HB3	10	0.11
(1,1454)	1:121:A:PHE:HA	1:122:A:ALA:HB1	20	0.11
(1,1454)	1:121:A:PHE:HA	1:122:A:ALA:HB2	20	0.11
(1,1454)	1:121:A:PHE:HA	1:122:A:ALA:HB3	20	0.11
(1,1397)	1:29:A:LYS:HE2	1:49:A:VAL:HG11	12	0.11
(1,1397)	1:29:A:LYS:HE2	1:49:A:VAL:HG12	12	0.11
(1,1397)	1:29:A:LYS:HE2	1:49:A:VAL:HG13	12	0.11
(1,1397)	1:29:A:LYS:HE3	1:49:A:VAL:HG11	12	0.11
(1,1397)	1:29:A:LYS:HE3	1:49:A:VAL:HG12	12	0.11
(1,1397)	1:29:A:LYS:HE3	1:49:A:VAL:HG13	12	0.11
(1,1395)	1:26:A:LEU:HA	1:49:A:VAL:HG11	9	0.11
(1,1395)	1:26:A:LEU:HA	1:49:A:VAL:HG12	9	0.11
(1,1395)	1:26:A:LEU:HA	1:49:A:VAL:HG13	9	0.11
(1,1364)	1:60:A:VAL:H	1:60:A:VAL:HG21	6	0.11
(1,1364)	1:60:A:VAL:H	1:60:A:VAL:HG22	6	0.11
(1,1364)	1:60:A:VAL:H	1:60:A:VAL:HG23	6	0.11
(1,1364)	1:60:A:VAL:H	1:60:A:VAL:HG21	7	0.11
(1,1364)	1:60:A:VAL:H	1:60:A:VAL:HG22	7	0.11
(1,1364)	1:60:A:VAL:H	1:60:A:VAL:HG23	7	0.11
(1,1364)	1:60:A:VAL:H	1:60:A:VAL:HG21	17	0.11
(1,1364)	1:60:A:VAL:H	1:60:A:VAL:HG22	17	0.11
(1,1364)	1:60:A:VAL:H	1:60:A:VAL:HG23	17	0.11
(1,1364)	1:60:A:VAL:H	1:60:A:VAL:HG21	19	0.11
(1,1364)	1:60:A:VAL:H	1:60:A:VAL:HG22	19	0.11
(1,1364)	1:60:A:VAL:H	1:60:A:VAL:HG23	19	0.11
(1,1337)	1:82:A:THR:HG21	1:89:A:ILE:HG21	6	0.11
(1,1337)	1:82:A:THR:HG21	1:89:A:ILE:HG22	6	0.11
(1,1337)	1:82:A:THR:HG21	1:89:A:ILE:HG23	6	0.11
(1,1337)	1:82:A:THR:HG22	1:89:A:ILE:HG21	6	0.11
(1,1337)	1:82:A:THR:HG22	1:89:A:ILE:HG22	6	0.11
(1,1337)	1:82:A:THR:HG22	1:89:A:ILE:HG23	6	0.11
(1,1337)	1:82:A:THR:HG23	1:89:A:ILE:HG21	6	0.11
(1,1337)	1:82:A:THR:HG23	1:89:A:ILE:HG22	6	0.11
(1,1337)	1:82:A:THR:HG23	1:89:A:ILE:HG23	6	0.11
(1,1337)	1:82:A:THR:HG21	1:89:A:ILE:HG21	20	0.11
(1,1337)	1:82:A:THR:HG21	1:89:A:ILE:HG22	20	0.11
(1,1337)	1:82:A:THR:HG21	1:89:A:ILE:HG23	20	0.11
(1,1337)	1:82:A:THR:HG22	1:89:A:ILE:HG21	20	0.11
(1,1337)	1:82:A:THR:HG22	1:89:A:ILE:HG22	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1337)	1:82:A:THR:HG22	1:89:A:ILE:HG23	20	0.11
(1,1337)	1:82:A:THR:HG23	1:89:A:ILE:HG21	20	0.11
(1,1337)	1:82:A:THR:HG23	1:89:A:ILE:HG22	20	0.11
(1,1337)	1:82:A:THR:HG23	1:89:A:ILE:HG23	20	0.11
(1,1303)	1:22:A:VAL:HG21	1:23:A:VAL:HB	14	0.11
(1,1303)	1:22:A:VAL:HG22	1:23:A:VAL:HB	14	0.11
(1,1303)	1:22:A:VAL:HG23	1:23:A:VAL:HB	14	0.11
(1,1288)	1:5:A:LEU:H	1:13:A:VAL:HG11	7	0.11
(1,1288)	1:5:A:LEU:H	1:13:A:VAL:HG12	7	0.11
(1,1288)	1:5:A:LEU:H	1:13:A:VAL:HG13	7	0.11
(1,1268)	1:119:A:VAL:HG21	1:120:A:ARG:HG2	7	0.11
(1,1268)	1:119:A:VAL:HG22	1:120:A:ARG:HG2	7	0.11
(1,1268)	1:119:A:VAL:HG23	1:120:A:ARG:HG2	7	0.11
(1,1239)	1:108:A:LEU:HD21	1:110:A:LYS:HG2	7	0.11
(1,1239)	1:108:A:LEU:HD22	1:110:A:LYS:HG2	7	0.11
(1,1239)	1:108:A:LEU:HD23	1:110:A:LYS:HG2	7	0.11
(1,1239)	1:108:A:LEU:HD21	1:110:A:LYS:HG2	15	0.11
(1,1239)	1:108:A:LEU:HD22	1:110:A:LYS:HG2	15	0.11
(1,1239)	1:108:A:LEU:HD23	1:110:A:LYS:HG2	15	0.11
(1,1217)	1:25:A:LEU:HD21	1:29:A:LYS:HE2	19	0.11
(1,1217)	1:25:A:LEU:HD21	1:29:A:LYS:HE3	19	0.11
(1,1217)	1:25:A:LEU:HD22	1:29:A:LYS:HE2	19	0.11
(1,1217)	1:25:A:LEU:HD22	1:29:A:LYS:HE3	19	0.11
(1,1217)	1:25:A:LEU:HD23	1:29:A:LYS:HE2	19	0.11
(1,1217)	1:25:A:LEU:HD23	1:29:A:LYS:HE3	19	0.11
(1,1213)	1:21:A:GLU:HA	1:25:A:LEU:HD21	3	0.11
(1,1213)	1:21:A:GLU:HA	1:25:A:LEU:HD22	3	0.11
(1,1213)	1:21:A:GLU:HA	1:25:A:LEU:HD23	3	0.11
(1,1160)	1:36:A:VAL:H	1:36:A:VAL:HG11	15	0.11
(1,1160)	1:36:A:VAL:H	1:36:A:VAL:HG12	15	0.11
(1,1160)	1:36:A:VAL:H	1:36:A:VAL:HG13	15	0.11
(1,1157)	1:47:A:THR:HG21	1:74:A:ALA:HB1	20	0.11
(1,1157)	1:47:A:THR:HG21	1:74:A:ALA:HB2	20	0.11
(1,1157)	1:47:A:THR:HG21	1:74:A:ALA:HB3	20	0.11
(1,1157)	1:47:A:THR:HG22	1:74:A:ALA:HB1	20	0.11
(1,1157)	1:47:A:THR:HG22	1:74:A:ALA:HB2	20	0.11
(1,1157)	1:47:A:THR:HG22	1:74:A:ALA:HB3	20	0.11
(1,1157)	1:47:A:THR:HG23	1:74:A:ALA:HB1	20	0.11
(1,1157)	1:47:A:THR:HG23	1:74:A:ALA:HB2	20	0.11
(1,1157)	1:47:A:THR:HG23	1:74:A:ALA:HB3	20	0.11
(1,1142)	1:29:A:LYS:HE2	1:49:A:VAL:HG21	13	0.11
(1,1142)	1:29:A:LYS:HE2	1:49:A:VAL:HG22	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1142)	1:29:A:LYS:HE2	1:49:A:VAL:HG23	13	0.11
(1,1142)	1:29:A:LYS:HE3	1:49:A:VAL:HG21	13	0.11
(1,1142)	1:29:A:LYS:HE3	1:49:A:VAL:HG22	13	0.11
(1,1142)	1:29:A:LYS:HE3	1:49:A:VAL:HG23	13	0.11
(1,1136)	1:25:A:LEU:H	1:49:A:VAL:HG21	7	0.11
(1,1136)	1:25:A:LEU:H	1:49:A:VAL:HG22	7	0.11
(1,1136)	1:25:A:LEU:H	1:49:A:VAL:HG23	7	0.11
(1,1134)	1:36:A:VAL:HG21	1:43:A:ILE:HD11	2	0.11
(1,1134)	1:36:A:VAL:HG21	1:43:A:ILE:HD12	2	0.11
(1,1134)	1:36:A:VAL:HG21	1:43:A:ILE:HD13	2	0.11
(1,1134)	1:36:A:VAL:HG22	1:43:A:ILE:HD11	2	0.11
(1,1134)	1:36:A:VAL:HG22	1:43:A:ILE:HD12	2	0.11
(1,1134)	1:36:A:VAL:HG22	1:43:A:ILE:HD13	2	0.11
(1,1134)	1:36:A:VAL:HG23	1:43:A:ILE:HD11	2	0.11
(1,1134)	1:36:A:VAL:HG23	1:43:A:ILE:HD12	2	0.11
(1,1134)	1:36:A:VAL:HG23	1:43:A:ILE:HD13	2	0.11
(1,1134)	1:36:A:VAL:HG21	1:43:A:ILE:HD11	4	0.11
(1,1134)	1:36:A:VAL:HG21	1:43:A:ILE:HD12	4	0.11
(1,1134)	1:36:A:VAL:HG21	1:43:A:ILE:HD13	4	0.11
(1,1134)	1:36:A:VAL:HG22	1:43:A:ILE:HD11	4	0.11
(1,1134)	1:36:A:VAL:HG22	1:43:A:ILE:HD12	4	0.11
(1,1134)	1:36:A:VAL:HG22	1:43:A:ILE:HD13	4	0.11
(1,1134)	1:36:A:VAL:HG23	1:43:A:ILE:HD11	4	0.11
(1,1134)	1:36:A:VAL:HG23	1:43:A:ILE:HD12	4	0.11
(1,1134)	1:36:A:VAL:HG23	1:43:A:ILE:HD13	4	0.11
(1,1134)	1:36:A:VAL:HG21	1:43:A:ILE:HD11	8	0.11
(1,1134)	1:36:A:VAL:HG21	1:43:A:ILE:HD12	8	0.11
(1,1134)	1:36:A:VAL:HG21	1:43:A:ILE:HD13	8	0.11
(1,1134)	1:36:A:VAL:HG22	1:43:A:ILE:HD11	8	0.11
(1,1134)	1:36:A:VAL:HG22	1:43:A:ILE:HD12	8	0.11
(1,1134)	1:36:A:VAL:HG22	1:43:A:ILE:HD13	8	0.11
(1,1134)	1:36:A:VAL:HG23	1:43:A:ILE:HD11	8	0.11
(1,1134)	1:36:A:VAL:HG23	1:43:A:ILE:HD12	8	0.11
(1,1134)	1:36:A:VAL:HG23	1:43:A:ILE:HD13	8	0.11
(1,1134)	1:36:A:VAL:HG21	1:43:A:ILE:HD11	18	0.11
(1,1134)	1:36:A:VAL:HG21	1:43:A:ILE:HD12	18	0.11
(1,1134)	1:36:A:VAL:HG21	1:43:A:ILE:HD13	18	0.11
(1,1134)	1:36:A:VAL:HG22	1:43:A:ILE:HD11	18	0.11
(1,1134)	1:36:A:VAL:HG22	1:43:A:ILE:HD12	18	0.11
(1,1134)	1:36:A:VAL:HG22	1:43:A:ILE:HD13	18	0.11
(1,1134)	1:36:A:VAL:HG23	1:43:A:ILE:HD11	18	0.11
(1,1134)	1:36:A:VAL:HG23	1:43:A:ILE:HD12	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1134)	1:36:A:VAL:HG23	1:43:A:ILE:HD13	18	0.11
(1,1100)	1:123:A:SER:HB2	1:124:A:SER:H	13	0.11
(1,1031)	1:26:A:LEU:HD11	1:32:A:PHE:HZ	14	0.11
(1,1031)	1:26:A:LEU:HD12	1:32:A:PHE:HZ	14	0.11
(1,1031)	1:26:A:LEU:HD13	1:32:A:PHE:HZ	14	0.11
(1,1010)	1:6:A:LEU:HD11	1:117:A:VAL:HG21	6	0.11
(1,1010)	1:6:A:LEU:HD11	1:117:A:VAL:HG22	6	0.11
(1,1010)	1:6:A:LEU:HD11	1:117:A:VAL:HG23	6	0.11
(1,1010)	1:6:A:LEU:HD12	1:117:A:VAL:HG21	6	0.11
(1,1010)	1:6:A:LEU:HD12	1:117:A:VAL:HG22	6	0.11
(1,1010)	1:6:A:LEU:HD12	1:117:A:VAL:HG23	6	0.11
(1,1010)	1:6:A:LEU:HD13	1:117:A:VAL:HG21	6	0.11
(1,1010)	1:6:A:LEU:HD13	1:117:A:VAL:HG22	6	0.11
(1,1010)	1:6:A:LEU:HD13	1:117:A:VAL:HG23	6	0.11
(1,1010)	1:6:A:LEU:HD21	1:117:A:VAL:HG21	6	0.11
(1,1010)	1:6:A:LEU:HD21	1:117:A:VAL:HG22	6	0.11
(1,1010)	1:6:A:LEU:HD21	1:117:A:VAL:HG23	6	0.11
(1,1010)	1:6:A:LEU:HD22	1:117:A:VAL:HG21	6	0.11
(1,1010)	1:6:A:LEU:HD22	1:117:A:VAL:HG22	6	0.11
(1,1010)	1:6:A:LEU:HD22	1:117:A:VAL:HG23	6	0.11
(1,1010)	1:6:A:LEU:HD23	1:117:A:VAL:HG21	6	0.11
(1,1010)	1:6:A:LEU:HD23	1:117:A:VAL:HG22	6	0.11
(1,1010)	1:6:A:LEU:HD23	1:117:A:VAL:HG23	6	0.11
(1,1005)	1:100:A:LYS:HG2	1:102:A:VAL:H	6	0.11
(1,1005)	1:100:A:LYS:HG3	1:102:A:VAL:H	6	0.11
(1,1005)	1:100:A:LYS:HG2	1:102:A:VAL:H	10	0.11
(1,1005)	1:100:A:LYS:HG3	1:102:A:VAL:H	10	0.11
(1,972)	1:45:A:PHE:HE1	1:75:A:LEU:HD11	7	0.11
(1,972)	1:45:A:PHE:HE1	1:75:A:LEU:HD12	7	0.11
(1,972)	1:45:A:PHE:HE1	1:75:A:LEU:HD13	7	0.11
(1,972)	1:45:A:PHE:HE2	1:75:A:LEU:HD11	7	0.11
(1,972)	1:45:A:PHE:HE2	1:75:A:LEU:HD12	7	0.11
(1,972)	1:45:A:PHE:HE2	1:75:A:LEU:HD13	7	0.11
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD21	3	0.11
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD22	3	0.11
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD23	3	0.11
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD21	3	0.11
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD22	3	0.11
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD23	3	0.11
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD21	5	0.11
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD22	5	0.11
(1,967)	1:79:A:PHE:HB3	1:105:A:LEU:HD23	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD21	5	0.11
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD22	5	0.11
(1,967)	1:79:A:PHE:HB2	1:105:A:LEU:HD23	5	0.11
(1,930)	1:64:A:GLY:H	1:105:A:LEU:HD11	10	0.11
(1,930)	1:64:A:GLY:H	1:105:A:LEU:HD12	10	0.11
(1,930)	1:64:A:GLY:H	1:105:A:LEU:HD13	10	0.11
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD21	9	0.11
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD22	9	0.11
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD23	9	0.11
(1,910)	1:16:A:LEU:HD11	1:17:A:ASN:H	16	0.11
(1,910)	1:16:A:LEU:HD12	1:17:A:ASN:H	16	0.11
(1,910)	1:16:A:LEU:HD13	1:17:A:ASN:H	16	0.11
(1,870)	1:14:A:ILE:HG12	1:15:A:ASP:HA	2	0.11
(1,870)	1:14:A:ILE:HG12	1:15:A:ASP:HA	18	0.11
(1,868)	1:119:A:VAL:HG21	1:120:A:ARG:HG3	12	0.11
(1,868)	1:119:A:VAL:HG22	1:120:A:ARG:HG3	12	0.11
(1,868)	1:119:A:VAL:HG23	1:120:A:ARG:HG3	12	0.11
(1,820)	1:110:A:LYS:H	1:111:A:ILE:HG13	1	0.11
(1,776)	1:32:A:PHE:HB2	1:48:A:PRO:HG2	9	0.11
(1,776)	1:32:A:PHE:HB3	1:48:A:PRO:HG2	9	0.11
(1,776)	1:32:A:PHE:HB2	1:48:A:PRO:HG2	19	0.11
(1,776)	1:32:A:PHE:HB3	1:48:A:PRO:HG2	19	0.11
(1,750)	1:5:A:LEU:HD21	1:45:A:PHE:HE1	3	0.11
(1,750)	1:5:A:LEU:HD21	1:45:A:PHE:HE2	3	0.11
(1,750)	1:5:A:LEU:HD22	1:45:A:PHE:HE1	3	0.11
(1,750)	1:5:A:LEU:HD22	1:45:A:PHE:HE2	3	0.11
(1,750)	1:5:A:LEU:HD23	1:45:A:PHE:HE1	3	0.11
(1,750)	1:5:A:LEU:HD23	1:45:A:PHE:HE2	3	0.11
(1,750)	1:5:A:LEU:HD21	1:45:A:PHE:HE1	18	0.11
(1,750)	1:5:A:LEU:HD21	1:45:A:PHE:HE2	18	0.11
(1,750)	1:5:A:LEU:HD22	1:45:A:PHE:HE1	18	0.11
(1,750)	1:5:A:LEU:HD22	1:45:A:PHE:HE2	18	0.11
(1,750)	1:5:A:LEU:HD23	1:45:A:PHE:HE1	18	0.11
(1,750)	1:5:A:LEU:HD23	1:45:A:PHE:HE2	18	0.11
(1,738)	1:112:A:LYS:HB2	1:112:A:LYS:HD2	10	0.11
(1,738)	1:112:A:LYS:HB2	1:112:A:LYS:HD3	10	0.11
(1,738)	1:112:A:LYS:HB2	1:112:A:LYS:HD2	13	0.11
(1,738)	1:112:A:LYS:HB2	1:112:A:LYS:HD3	13	0.11
(1,738)	1:112:A:LYS:HB2	1:112:A:LYS:HD2	17	0.11
(1,738)	1:112:A:LYS:HB2	1:112:A:LYS:HD3	17	0.11
(1,734)	1:112:A:LYS:H	1:112:A:LYS:HD2	5	0.11
(1,734)	1:112:A:LYS:H	1:112:A:LYS:HD3	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,734)	1:112:A:LYS:H	1:112:A:LYS:HD2	12	0.11
(1,734)	1:112:A:LYS:H	1:112:A:LYS:HD3	12	0.11
(1,734)	1:112:A:LYS:H	1:112:A:LYS:HD2	15	0.11
(1,734)	1:112:A:LYS:H	1:112:A:LYS:HD3	15	0.11
(1,729)	1:45:A:PHE:HE1	1:77:A:LEU:HG	9	0.11
(1,729)	1:45:A:PHE:HE2	1:77:A:LEU:HG	9	0.11
(1,688)	1:43:A:ILE:HG12	1:79:A:PHE:HE1	14	0.11
(1,688)	1:43:A:ILE:HG12	1:79:A:PHE:HE2	14	0.11
(1,658)	1:72:A:GLY:HA3	1:73:A:LYS:HD2	3	0.11
(1,658)	1:72:A:GLY:HA3	1:73:A:LYS:HD3	3	0.11
(1,641)	1:27:A:LYS:HA	1:30:A:ILE:HG12	13	0.11
(1,619)	1:59:A:GLU:HB2	1:94:A:ALA:HB1	14	0.11
(1,619)	1:59:A:GLU:HB2	1:94:A:ALA:HB2	14	0.11
(1,619)	1:59:A:GLU:HB2	1:94:A:ALA:HB3	14	0.11
(1,575)	1:44:A:TYR:HB2	1:76:A:CYS:HB2	15	0.11
(1,575)	1:44:A:TYR:HB3	1:76:A:CYS:HB2	15	0.11
(1,519)	1:51:A:VAL:HG11	1:53:A:LYS:HB3	11	0.11
(1,519)	1:51:A:VAL:HG12	1:53:A:LYS:HB3	11	0.11
(1,519)	1:51:A:VAL:HG13	1:53:A:LYS:HB3	11	0.11
(1,509)	1:116:A:LYS:HB2	1:116:A:LYS:HE3	9	0.11
(1,467)	1:52:A:GLN:HA	1:52:A:GLN:HG2	6	0.11
(1,467)	1:52:A:GLN:HA	1:52:A:GLN:HG3	6	0.11
(1,467)	1:52:A:GLN:HA	1:52:A:GLN:HG2	9	0.11
(1,467)	1:52:A:GLN:HA	1:52:A:GLN:HG3	9	0.11
(1,422)	1:60:A:VAL:HB	1:61:A:VAL:HG21	10	0.11
(1,422)	1:60:A:VAL:HB	1:61:A:VAL:HG22	10	0.11
(1,422)	1:60:A:VAL:HB	1:61:A:VAL:HG23	10	0.11
(1,409)	1:35:A:VAL:HB	1:36:A:VAL:HA	15	0.11
(1,389)	1:62:A:GLU:HB2	1:62:A:GLU:HG2	1	0.11
(1,389)	1:62:A:GLU:HB2	1:62:A:GLU:HG2	12	0.11
(1,337)	1:33:A:GLU:HB2	1:33:A:GLU:HG2	5	0.11
(1,337)	1:33:A:GLU:HB2	1:33:A:GLU:HG2	11	0.11
(1,337)	1:33:A:GLU:HB2	1:33:A:GLU:HG2	13	0.11
(1,337)	1:33:A:GLU:HB2	1:33:A:GLU:HG2	19	0.11
(1,335)	1:33:A:GLU:HA	1:33:A:GLU:HG2	4	0.11
(1,334)	1:33:A:GLU:H	1:33:A:GLU:HG2	2	0.11
(1,334)	1:33:A:GLU:H	1:33:A:GLU:HG2	10	0.11
(1,334)	1:33:A:GLU:H	1:33:A:GLU:HG2	14	0.11
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG11	7	0.11
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG12	7	0.11
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG13	7	0.11
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG11	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG12	18	0.11
(1,318)	1:4:A:GLU:HG2	1:13:A:VAL:HG13	18	0.11
(1,306)	1:15:A:ASP:HB3	1:100:A:LYS:HB3	10	0.11
(1,209)	1:30:A:ILE:HA	1:32:A:PHE:HB2	18	0.11
(1,196)	1:35:A:VAL:HG21	1:45:A:PHE:HB3	1	0.11
(1,196)	1:35:A:VAL:HG22	1:45:A:PHE:HB3	1	0.11
(1,196)	1:35:A:VAL:HG23	1:45:A:PHE:HB3	1	0.11
(1,196)	1:35:A:VAL:HG21	1:45:A:PHE:HB3	4	0.11
(1,196)	1:35:A:VAL:HG22	1:45:A:PHE:HB3	4	0.11
(1,196)	1:35:A:VAL:HG23	1:45:A:PHE:HB3	4	0.11
(1,196)	1:35:A:VAL:HG21	1:45:A:PHE:HB3	9	0.11
(1,196)	1:35:A:VAL:HG22	1:45:A:PHE:HB3	9	0.11
(1,196)	1:35:A:VAL:HG23	1:45:A:PHE:HB3	9	0.11
(1,196)	1:35:A:VAL:HG21	1:45:A:PHE:HB3	11	0.11
(1,196)	1:35:A:VAL:HG22	1:45:A:PHE:HB3	11	0.11
(1,196)	1:35:A:VAL:HG23	1:45:A:PHE:HB3	11	0.11
(1,196)	1:35:A:VAL:HG21	1:45:A:PHE:HB3	16	0.11
(1,196)	1:35:A:VAL:HG22	1:45:A:PHE:HB3	16	0.11
(1,196)	1:35:A:VAL:HG23	1:45:A:PHE:HB3	16	0.11
(1,196)	1:35:A:VAL:HG21	1:45:A:PHE:HB3	19	0.11
(1,196)	1:35:A:VAL:HG22	1:45:A:PHE:HB3	19	0.11
(1,196)	1:35:A:VAL:HG23	1:45:A:PHE:HB3	19	0.11
(1,175)	1:65:A:ASP:HB2	1:97:A:VAL:HA	3	0.11
(1,173)	1:65:A:ASP:HB2	1:97:A:VAL:HG21	3	0.11
(1,173)	1:65:A:ASP:HB2	1:97:A:VAL:HG22	3	0.11
(1,173)	1:65:A:ASP:HB2	1:97:A:VAL:HG23	3	0.11
(1,173)	1:65:A:ASP:HB2	1:97:A:VAL:HG21	15	0.11
(1,173)	1:65:A:ASP:HB2	1:97:A:VAL:HG22	15	0.11
(1,173)	1:65:A:ASP:HB2	1:97:A:VAL:HG23	15	0.11
(1,159)	1:37:A:ASN:HB2	1:38:A:THR:H	10	0.11
(1,135)	1:27:A:LYS:HE2	1:121:A:PHE:HE1	6	0.11
(1,135)	1:27:A:LYS:HE2	1:121:A:PHE:HE2	6	0.11
(1,135)	1:27:A:LYS:HE3	1:121:A:PHE:HE1	6	0.11
(1,135)	1:27:A:LYS:HE3	1:121:A:PHE:HE2	6	0.11
(1,130)	1:109:A:LYS:HG3	1:109:A:LYS:HE3	5	0.11
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG21	6	0.11
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG22	6	0.11
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG23	6	0.11
(1,65)	1:15:A:ASP:HB2	1:100:A:LYS:HB2	11	0.11
(1,63)	1:6:A:LEU:HD11	1:120:A:ARG:HD2	9	0.11
(1,63)	1:6:A:LEU:HD11	1:120:A:ARG:HD3	9	0.11
(1,63)	1:6:A:LEU:HD12	1:120:A:ARG:HD2	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,63)	1:6:A:LEU:HD12	1:120:A:ARG:HD3	9	0.11
(1,63)	1:6:A:LEU:HD13	1:120:A:ARG:HD2	9	0.11
(1,63)	1:6:A:LEU:HD13	1:120:A:ARG:HD3	9	0.11
(1,63)	1:6:A:LEU:HD21	1:120:A:ARG:HD2	9	0.11
(1,63)	1:6:A:LEU:HD21	1:120:A:ARG:HD3	9	0.11
(1,63)	1:6:A:LEU:HD22	1:120:A:ARG:HD2	9	0.11
(1,63)	1:6:A:LEU:HD22	1:120:A:ARG:HD3	9	0.11
(1,63)	1:6:A:LEU:HD23	1:120:A:ARG:HD2	9	0.11
(1,63)	1:6:A:LEU:HD23	1:120:A:ARG:HD3	9	0.11
(1,49)	1:80:A:GLY:HA3	1:89:A:ILE:HD11	9	0.11
(1,49)	1:80:A:GLY:HA3	1:89:A:ILE:HD12	9	0.11
(1,49)	1:80:A:GLY:HA3	1:89:A:ILE:HD13	9	0.11
(1,49)	1:80:A:GLY:HA3	1:89:A:ILE:HD11	19	0.11
(1,49)	1:80:A:GLY:HA3	1:89:A:ILE:HD12	19	0.11
(1,49)	1:80:A:GLY:HA3	1:89:A:ILE:HD13	19	0.11
(1,44)	1:41:A:GLU:HB2	1:80:A:GLY:HA2	3	0.11
(1,44)	1:41:A:GLU:HB3	1:80:A:GLY:HA2	3	0.11
(1,30)	1:15:A:ASP:HA	1:16:A:LEU:HB3	8	0.11
(1,29)	1:104:A:GLY:HA2	1:106:A:GLU:HG2	6	0.11
(1,29)	1:104:A:GLY:HA2	1:106:A:GLU:HG3	6	0.11
(1,2881)	1:69:A:TRP:HH2	1:92:A:ALA:HB1	1	0.1
(1,2881)	1:69:A:TRP:HH2	1:92:A:ALA:HB2	1	0.1
(1,2881)	1:69:A:TRP:HH2	1:92:A:ALA:HB3	1	0.1
(1,2857)	1:45:A:PHE:HE1	1:75:A:LEU:HB2	3	0.1
(1,2857)	1:45:A:PHE:HE1	1:75:A:LEU:HB3	3	0.1
(1,2857)	1:45:A:PHE:HE2	1:75:A:LEU:HB2	3	0.1
(1,2857)	1:45:A:PHE:HE2	1:75:A:LEU:HB3	3	0.1
(1,2851)	1:38:A:THR:HG21	1:79:A:PHE:HZ	14	0.1
(1,2851)	1:38:A:THR:HG22	1:79:A:PHE:HZ	14	0.1
(1,2851)	1:38:A:THR:HG23	1:79:A:PHE:HZ	14	0.1
(1,2846)	1:67:A:GLY:HA3	1:78:A:PHE:HE1	11	0.1
(1,2846)	1:67:A:GLY:HA3	1:78:A:PHE:HE2	11	0.1
(1,2842)	1:32:A:PHE:HE1	1:47:A:THR:HG21	14	0.1
(1,2842)	1:32:A:PHE:HE1	1:47:A:THR:HG22	14	0.1
(1,2842)	1:32:A:PHE:HE1	1:47:A:THR:HG23	14	0.1
(1,2842)	1:32:A:PHE:HE2	1:47:A:THR:HG21	14	0.1
(1,2842)	1:32:A:PHE:HE2	1:47:A:THR:HG22	14	0.1
(1,2842)	1:32:A:PHE:HE2	1:47:A:THR:HG23	14	0.1
(1,2825)	1:7:A:PHE:HD1	1:36:A:VAL:HG11	3	0.1
(1,2825)	1:7:A:PHE:HD1	1:36:A:VAL:HG12	3	0.1
(1,2825)	1:7:A:PHE:HD1	1:36:A:VAL:HG13	3	0.1
(1,2825)	1:7:A:PHE:HD2	1:36:A:VAL:HG11	3	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2825)	1:7:A:PHE:HD2	1:36:A:VAL:HG12	3	0.1
(1,2825)	1:7:A:PHE:HD2	1:36:A:VAL:HG13	3	0.1
(1,2824)	1:7:A:PHE:HD1	1:117:A:VAL:HG21	12	0.1
(1,2824)	1:7:A:PHE:HD1	1:117:A:VAL:HG22	12	0.1
(1,2824)	1:7:A:PHE:HD1	1:117:A:VAL:HG23	12	0.1
(1,2824)	1:7:A:PHE:HD2	1:117:A:VAL:HG21	12	0.1
(1,2824)	1:7:A:PHE:HD2	1:117:A:VAL:HG22	12	0.1
(1,2824)	1:7:A:PHE:HD2	1:117:A:VAL:HG23	12	0.1
(1,2824)	1:7:A:PHE:HD1	1:117:A:VAL:HG21	17	0.1
(1,2824)	1:7:A:PHE:HD1	1:117:A:VAL:HG22	17	0.1
(1,2824)	1:7:A:PHE:HD1	1:117:A:VAL:HG23	17	0.1
(1,2824)	1:7:A:PHE:HD2	1:117:A:VAL:HG21	17	0.1
(1,2824)	1:7:A:PHE:HD2	1:117:A:VAL:HG22	17	0.1
(1,2824)	1:7:A:PHE:HD2	1:117:A:VAL:HG23	17	0.1
(1,2821)	1:7:A:PHE:HD1	1:11:A:LYS:HB2	12	0.1
(1,2821)	1:7:A:PHE:HD1	1:11:A:LYS:HB3	12	0.1
(1,2821)	1:7:A:PHE:HD2	1:11:A:LYS:HB2	12	0.1
(1,2821)	1:7:A:PHE:HD2	1:11:A:LYS:HB3	12	0.1
(1,2821)	1:7:A:PHE:HD1	1:11:A:LYS:HB2	19	0.1
(1,2821)	1:7:A:PHE:HD1	1:11:A:LYS:HB3	19	0.1
(1,2821)	1:7:A:PHE:HD2	1:11:A:LYS:HB2	19	0.1
(1,2821)	1:7:A:PHE:HD2	1:11:A:LYS:HB3	19	0.1
(1,2804)	1:3:A:VAL:HG21	1:121:A:PHE:HE1	14	0.1
(1,2804)	1:3:A:VAL:HG21	1:121:A:PHE:HE2	14	0.1
(1,2804)	1:3:A:VAL:HG22	1:121:A:PHE:HE1	14	0.1
(1,2804)	1:3:A:VAL:HG22	1:121:A:PHE:HE2	14	0.1
(1,2804)	1:3:A:VAL:HG23	1:121:A:PHE:HE1	14	0.1
(1,2804)	1:3:A:VAL:HG23	1:121:A:PHE:HE2	14	0.1
(1,2794)	1:7:A:PHE:HE1	1:11:A:LYS:H	12	0.1
(1,2794)	1:7:A:PHE:HE2	1:11:A:LYS:H	12	0.1
(1,2771)	1:79:A:PHE:HA	1:79:A:PHE:HD1	7	0.1
(1,2771)	1:79:A:PHE:HA	1:79:A:PHE:HD2	7	0.1
(1,2763)	1:36:A:VAL:HA	1:45:A:PHE:HD1	14	0.1
(1,2763)	1:36:A:VAL:HA	1:45:A:PHE:HD2	14	0.1
(1,2757)	1:31:A:PRO:HA	1:32:A:PHE:HD1	4	0.1
(1,2757)	1:31:A:PRO:HA	1:32:A:PHE:HD2	4	0.1
(1,2730)	1:66:A:VAL:HG11	1:99:A:GLY:H	3	0.1
(1,2730)	1:66:A:VAL:HG12	1:99:A:GLY:H	3	0.1
(1,2730)	1:66:A:VAL:HG13	1:99:A:GLY:H	3	0.1
(1,2730)	1:66:A:VAL:HG11	1:99:A:GLY:H	5	0.1
(1,2730)	1:66:A:VAL:HG12	1:99:A:GLY:H	5	0.1
(1,2730)	1:66:A:VAL:HG13	1:99:A:GLY:H	5	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2730)	1:66:A:VAL:HG11	1:99:A:GLY:H	10	0.1
(1,2730)	1:66:A:VAL:HG12	1:99:A:GLY:H	10	0.1
(1,2730)	1:66:A:VAL:HG13	1:99:A:GLY:H	10	0.1
(1,2730)	1:66:A:VAL:HG11	1:99:A:GLY:H	14	0.1
(1,2730)	1:66:A:VAL:HG12	1:99:A:GLY:H	14	0.1
(1,2730)	1:66:A:VAL:HG13	1:99:A:GLY:H	14	0.1
(1,2722)	1:61:A:VAL:HG21	1:95:A:VAL:H	15	0.1
(1,2722)	1:61:A:VAL:HG22	1:95:A:VAL:H	15	0.1
(1,2722)	1:61:A:VAL:HG23	1:95:A:VAL:H	15	0.1
(1,2714)	1:50:A:ASN:HA	1:50:A:ASN:HD22	12	0.1
(1,2682)	1:66:A:VAL:HG21	1:67:A:GLY:H	4	0.1
(1,2682)	1:66:A:VAL:HG22	1:67:A:GLY:H	4	0.1
(1,2682)	1:66:A:VAL:HG23	1:67:A:GLY:H	4	0.1
(1,2682)	1:66:A:VAL:HG21	1:67:A:GLY:H	13	0.1
(1,2682)	1:66:A:VAL:HG22	1:67:A:GLY:H	13	0.1
(1,2682)	1:66:A:VAL:HG23	1:67:A:GLY:H	13	0.1
(1,2682)	1:66:A:VAL:HG21	1:67:A:GLY:H	15	0.1
(1,2682)	1:66:A:VAL:HG22	1:67:A:GLY:H	15	0.1
(1,2682)	1:66:A:VAL:HG23	1:67:A:GLY:H	15	0.1
(1,2567)	1:12:A:CYS:H	1:14:A:ILE:HG21	3	0.1
(1,2567)	1:12:A:CYS:H	1:14:A:ILE:HG22	3	0.1
(1,2567)	1:12:A:CYS:H	1:14:A:ILE:HG23	3	0.1
(1,2567)	1:12:A:CYS:H	1:14:A:ILE:HG21	15	0.1
(1,2567)	1:12:A:CYS:H	1:14:A:ILE:HG22	15	0.1
(1,2567)	1:12:A:CYS:H	1:14:A:ILE:HG23	15	0.1
(1,2539)	1:111:A:ILE:H	1:111:A:ILE:HG13	14	0.1
(1,2512)	1:60:A:VAL:H	1:60:A:VAL:HB	4	0.1
(1,2512)	1:60:A:VAL:H	1:60:A:VAL:HB	7	0.1
(1,2512)	1:60:A:VAL:H	1:60:A:VAL:HB	13	0.1
(1,2512)	1:60:A:VAL:H	1:60:A:VAL:HB	15	0.1
(1,2512)	1:60:A:VAL:H	1:60:A:VAL:HB	17	0.1
(1,2486)	1:20:A:TYR:H	1:20:A:TYR:HB3	18	0.1
(1,2441)	1:68:A:TYR:HA	1:74:A:ALA:H	19	0.1
(1,2335)	1:13:A:VAL:HB	1:103:A:GLU:H	15	0.1
(1,2298)	1:61:A:VAL:HG11	1:65:A:ASP:H	5	0.1
(1,2298)	1:61:A:VAL:HG12	1:65:A:ASP:H	5	0.1
(1,2298)	1:61:A:VAL:HG13	1:65:A:ASP:H	5	0.1
(1,2253)	1:51:A:VAL:H	1:51:A:VAL:HB	11	0.1
(1,2253)	1:51:A:VAL:H	1:51:A:VAL:HB	15	0.1
(1,2253)	1:51:A:VAL:H	1:51:A:VAL:HB	20	0.1
(1,2216)	1:3:A:VAL:HG21	1:16:A:LEU:H	2	0.1
(1,2216)	1:3:A:VAL:HG22	1:16:A:LEU:H	2	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2216)	1:3:A:VAL:HG23	1:16:A:LEU:H	2	0.1
(1,2216)	1:3:A:VAL:HG21	1:16:A:LEU:H	3	0.1
(1,2216)	1:3:A:VAL:HG22	1:16:A:LEU:H	3	0.1
(1,2216)	1:3:A:VAL:HG23	1:16:A:LEU:H	3	0.1
(1,2216)	1:3:A:VAL:HG21	1:16:A:LEU:H	8	0.1
(1,2216)	1:3:A:VAL:HG22	1:16:A:LEU:H	8	0.1
(1,2216)	1:3:A:VAL:HG23	1:16:A:LEU:H	8	0.1
(1,2216)	1:3:A:VAL:HG21	1:16:A:LEU:H	12	0.1
(1,2216)	1:3:A:VAL:HG22	1:16:A:LEU:H	12	0.1
(1,2216)	1:3:A:VAL:HG23	1:16:A:LEU:H	12	0.1
(1,2216)	1:3:A:VAL:HG21	1:16:A:LEU:H	13	0.1
(1,2216)	1:3:A:VAL:HG22	1:16:A:LEU:H	13	0.1
(1,2216)	1:3:A:VAL:HG23	1:16:A:LEU:H	13	0.1
(1,2216)	1:3:A:VAL:HG21	1:16:A:LEU:H	18	0.1
(1,2216)	1:3:A:VAL:HG22	1:16:A:LEU:H	18	0.1
(1,2216)	1:3:A:VAL:HG23	1:16:A:LEU:H	18	0.1
(1,2216)	1:3:A:VAL:HG21	1:16:A:LEU:H	20	0.1
(1,2216)	1:3:A:VAL:HG22	1:16:A:LEU:H	20	0.1
(1,2216)	1:3:A:VAL:HG23	1:16:A:LEU:H	20	0.1
(1,2209)	1:3:A:VAL:HG21	1:122:A:ALA:H	4	0.1
(1,2209)	1:3:A:VAL:HG22	1:122:A:ALA:H	4	0.1
(1,2209)	1:3:A:VAL:HG23	1:122:A:ALA:H	4	0.1
(1,2209)	1:3:A:VAL:HG21	1:122:A:ALA:H	7	0.1
(1,2209)	1:3:A:VAL:HG22	1:122:A:ALA:H	7	0.1
(1,2209)	1:3:A:VAL:HG23	1:122:A:ALA:H	7	0.1
(1,2209)	1:3:A:VAL:HG21	1:122:A:ALA:H	17	0.1
(1,2209)	1:3:A:VAL:HG22	1:122:A:ALA:H	17	0.1
(1,2209)	1:3:A:VAL:HG23	1:122:A:ALA:H	17	0.1
(1,2206)	1:121:A:PHE:HD1	1:122:A:ALA:H	5	0.1
(1,2206)	1:121:A:PHE:HD2	1:122:A:ALA:H	5	0.1
(1,2206)	1:121:A:PHE:HD1	1:122:A:ALA:H	8	0.1
(1,2206)	1:121:A:PHE:HD2	1:122:A:ALA:H	8	0.1
(1,2206)	1:121:A:PHE:HD1	1:122:A:ALA:H	9	0.1
(1,2206)	1:121:A:PHE:HD2	1:122:A:ALA:H	9	0.1
(1,2206)	1:121:A:PHE:HD1	1:122:A:ALA:H	12	0.1
(1,2206)	1:121:A:PHE:HD2	1:122:A:ALA:H	12	0.1
(1,2200)	1:120:A:ARG:H	1:120:A:ARG:HD2	12	0.1
(1,2200)	1:120:A:ARG:H	1:120:A:ARG:HD3	12	0.1
(1,2187)	1:66:A:VAL:HG21	1:101:A:ILE:H	10	0.1
(1,2187)	1:66:A:VAL:HG22	1:101:A:ILE:H	10	0.1
(1,2187)	1:66:A:VAL:HG23	1:101:A:ILE:H	10	0.1
(1,2109)	1:41:A:GLU:H	1:82:A:THR:HG21	19	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2109)	1:41:A:GLU:H	1:82:A:THR:HG22	19	0.1
(1,2109)	1:41:A:GLU:H	1:82:A:THR:HG23	19	0.1
(1,2104)	1:9:A:SER:HB2	1:112:A:LYS:H	11	0.1
(1,2104)	1:9:A:SER:HB3	1:112:A:LYS:H	11	0.1
(1,1961)	1:6:A:LEU:HA	1:10:A:GLY:HA2	7	0.1
(1,1961)	1:6:A:LEU:HA	1:10:A:GLY:HA3	7	0.1
(1,1961)	1:6:A:LEU:HA	1:10:A:GLY:HA2	15	0.1
(1,1961)	1:6:A:LEU:HA	1:10:A:GLY:HA3	15	0.1
(1,1955)	1:63:A:ILE:HD11	1:64:A:GLY:H	7	0.1
(1,1955)	1:63:A:ILE:HD12	1:64:A:GLY:H	7	0.1
(1,1955)	1:63:A:ILE:HD13	1:64:A:GLY:H	7	0.1
(1,1917)	1:42:A:GLU:HA	1:43:A:ILE:HD11	2	0.1
(1,1917)	1:42:A:GLU:HA	1:43:A:ILE:HD12	2	0.1
(1,1917)	1:42:A:GLU:HA	1:43:A:ILE:HD13	2	0.1
(1,1917)	1:42:A:GLU:HA	1:43:A:ILE:HD11	6	0.1
(1,1917)	1:42:A:GLU:HA	1:43:A:ILE:HD12	6	0.1
(1,1917)	1:42:A:GLU:HA	1:43:A:ILE:HD13	6	0.1
(1,1917)	1:42:A:GLU:HA	1:43:A:ILE:HD11	8	0.1
(1,1917)	1:42:A:GLU:HA	1:43:A:ILE:HD12	8	0.1
(1,1917)	1:42:A:GLU:HA	1:43:A:ILE:HD13	8	0.1
(1,1917)	1:42:A:GLU:HA	1:43:A:ILE:HD11	11	0.1
(1,1917)	1:42:A:GLU:HA	1:43:A:ILE:HD12	11	0.1
(1,1917)	1:42:A:GLU:HA	1:43:A:ILE:HD13	11	0.1
(1,1849)	1:1:A:MET:HA	1:3:A:VAL:HG21	9	0.1
(1,1849)	1:1:A:MET:HA	1:3:A:VAL:HG22	9	0.1
(1,1849)	1:1:A:MET:HA	1:3:A:VAL:HG23	9	0.1
(1,1814)	1:101:A:ILE:HD11	1:102:A:VAL:H	15	0.1
(1,1814)	1:101:A:ILE:HD12	1:102:A:VAL:H	15	0.1
(1,1814)	1:101:A:ILE:HD13	1:102:A:VAL:H	15	0.1
(1,1813)	1:64:A:GLY:H	1:101:A:ILE:HD11	6	0.1
(1,1813)	1:64:A:GLY:H	1:101:A:ILE:HD12	6	0.1
(1,1813)	1:64:A:GLY:H	1:101:A:ILE:HD13	6	0.1
(1,1772)	1:30:A:ILE:HG21	1:31:A:PRO:HB2	12	0.1
(1,1772)	1:30:A:ILE:HG22	1:31:A:PRO:HB2	12	0.1
(1,1772)	1:30:A:ILE:HG23	1:31:A:PRO:HB2	12	0.1
(1,1736)	1:36:A:VAL:HG11	1:113:A:ASP:HA	19	0.1
(1,1736)	1:36:A:VAL:HG12	1:113:A:ASP:HA	19	0.1
(1,1736)	1:36:A:VAL:HG13	1:113:A:ASP:HA	19	0.1
(1,1729)	1:65:A:ASP:HA	1:100:A:LYS:HB2	10	0.1
(1,1728)	1:65:A:ASP:HA	1:101:A:ILE:HB	14	0.1
(1,1614)	1:36:A:VAL:HB	1:43:A:ILE:HG21	3	0.1
(1,1614)	1:36:A:VAL:HB	1:43:A:ILE:HG22	3	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1614)	1:36:A:VAL:HB	1:43:A:ILE:HG23	3	0.1
(1,1614)	1:36:A:VAL:HB	1:43:A:ILE:HG21	9	0.1
(1,1614)	1:36:A:VAL:HB	1:43:A:ILE:HG22	9	0.1
(1,1614)	1:36:A:VAL:HB	1:43:A:ILE:HG23	9	0.1
(1,1614)	1:36:A:VAL:HB	1:43:A:ILE:HG21	11	0.1
(1,1614)	1:36:A:VAL:HB	1:43:A:ILE:HG22	11	0.1
(1,1614)	1:36:A:VAL:HB	1:43:A:ILE:HG23	11	0.1
(1,1609)	1:36:A:VAL:H	1:43:A:ILE:HG21	11	0.1
(1,1609)	1:36:A:VAL:H	1:43:A:ILE:HG22	11	0.1
(1,1609)	1:36:A:VAL:H	1:43:A:ILE:HG23	11	0.1
(1,1605)	1:43:A:ILE:HG21	1:111:A:ILE:HD11	8	0.1
(1,1605)	1:43:A:ILE:HG21	1:111:A:ILE:HD12	8	0.1
(1,1605)	1:43:A:ILE:HG21	1:111:A:ILE:HD13	8	0.1
(1,1605)	1:43:A:ILE:HG22	1:111:A:ILE:HD11	8	0.1
(1,1605)	1:43:A:ILE:HG22	1:111:A:ILE:HD12	8	0.1
(1,1605)	1:43:A:ILE:HG22	1:111:A:ILE:HD13	8	0.1
(1,1605)	1:43:A:ILE:HG23	1:111:A:ILE:HD11	8	0.1
(1,1605)	1:43:A:ILE:HG23	1:111:A:ILE:HD12	8	0.1
(1,1605)	1:43:A:ILE:HG23	1:111:A:ILE:HD13	8	0.1
(1,1590)	1:122:A:ALA:HB1	1:123:A:SER:HA	15	0.1
(1,1590)	1:122:A:ALA:HB2	1:123:A:SER:HA	15	0.1
(1,1590)	1:122:A:ALA:HB3	1:123:A:SER:HA	15	0.1
(1,1582)	1:12:A:CYS:HA	1:101:A:ILE:HG21	8	0.1
(1,1582)	1:12:A:CYS:HA	1:101:A:ILE:HG22	8	0.1
(1,1582)	1:12:A:CYS:HA	1:101:A:ILE:HG23	8	0.1
(1,1514)	1:101:A:ILE:HA	1:102:A:VAL:HG21	6	0.1
(1,1514)	1:101:A:ILE:HA	1:102:A:VAL:HG22	6	0.1
(1,1514)	1:101:A:ILE:HA	1:102:A:VAL:HG23	6	0.1
(1,1477)	1:38:A:THR:HG21	1:111:A:ILE:HA	1	0.1
(1,1477)	1:38:A:THR:HG22	1:111:A:ILE:HA	1	0.1
(1,1477)	1:38:A:THR:HG23	1:111:A:ILE:HA	1	0.1
(1,1466)	1:2:A:ARG:HE	1:122:A:ALA:HB1	18	0.1
(1,1466)	1:2:A:ARG:HE	1:122:A:ALA:HB2	18	0.1
(1,1466)	1:2:A:ARG:HE	1:122:A:ALA:HB3	18	0.1
(1,1465)	1:122:A:ALA:H	1:122:A:ALA:HB1	14	0.1
(1,1465)	1:122:A:ALA:H	1:122:A:ALA:HB2	14	0.1
(1,1465)	1:122:A:ALA:H	1:122:A:ALA:HB3	14	0.1
(1,1465)	1:122:A:ALA:H	1:122:A:ALA:HB1	19	0.1
(1,1465)	1:122:A:ALA:H	1:122:A:ALA:HB2	19	0.1
(1,1465)	1:122:A:ALA:H	1:122:A:ALA:HB3	19	0.1
(1,1398)	1:26:A:LEU:HB2	1:49:A:VAL:HG11	9	0.1
(1,1398)	1:26:A:LEU:HB2	1:49:A:VAL:HG12	9	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1398)	1:26:A:LEU:HB2	1:49:A:VAL:HG13	9	0.1
(1,1398)	1:26:A:LEU:HB2	1:49:A:VAL:HG11	12	0.1
(1,1398)	1:26:A:LEU:HB2	1:49:A:VAL:HG12	12	0.1
(1,1398)	1:26:A:LEU:HB2	1:49:A:VAL:HG13	12	0.1
(1,1397)	1:29:A:LYS:HE2	1:49:A:VAL:HG11	8	0.1
(1,1397)	1:29:A:LYS:HE2	1:49:A:VAL:HG12	8	0.1
(1,1397)	1:29:A:LYS:HE2	1:49:A:VAL:HG13	8	0.1
(1,1397)	1:29:A:LYS:HE3	1:49:A:VAL:HG11	8	0.1
(1,1397)	1:29:A:LYS:HE3	1:49:A:VAL:HG12	8	0.1
(1,1397)	1:29:A:LYS:HE3	1:49:A:VAL:HG13	8	0.1
(1,1337)	1:82:A:THR:HG21	1:89:A:ILE:HG21	10	0.1
(1,1337)	1:82:A:THR:HG21	1:89:A:ILE:HG22	10	0.1
(1,1337)	1:82:A:THR:HG21	1:89:A:ILE:HG23	10	0.1
(1,1337)	1:82:A:THR:HG22	1:89:A:ILE:HG21	10	0.1
(1,1337)	1:82:A:THR:HG22	1:89:A:ILE:HG22	10	0.1
(1,1337)	1:82:A:THR:HG22	1:89:A:ILE:HG23	10	0.1
(1,1337)	1:82:A:THR:HG23	1:89:A:ILE:HG21	10	0.1
(1,1337)	1:82:A:THR:HG23	1:89:A:ILE:HG22	10	0.1
(1,1337)	1:82:A:THR:HG23	1:89:A:ILE:HG23	10	0.1
(1,1337)	1:82:A:THR:HG21	1:89:A:ILE:HG21	18	0.1
(1,1337)	1:82:A:THR:HG21	1:89:A:ILE:HG22	18	0.1
(1,1337)	1:82:A:THR:HG21	1:89:A:ILE:HG23	18	0.1
(1,1337)	1:82:A:THR:HG22	1:89:A:ILE:HG21	18	0.1
(1,1337)	1:82:A:THR:HG22	1:89:A:ILE:HG22	18	0.1
(1,1337)	1:82:A:THR:HG22	1:89:A:ILE:HG23	18	0.1
(1,1337)	1:82:A:THR:HG23	1:89:A:ILE:HG21	18	0.1
(1,1337)	1:82:A:THR:HG23	1:89:A:ILE:HG22	18	0.1
(1,1337)	1:82:A:THR:HG23	1:89:A:ILE:HG23	18	0.1
(1,1330)	1:35:A:VAL:HG21	1:116:A:LYS:HE3	19	0.1
(1,1330)	1:35:A:VAL:HG22	1:116:A:LYS:HE3	19	0.1
(1,1330)	1:35:A:VAL:HG23	1:116:A:LYS:HE3	19	0.1
(1,1302)	1:22:A:VAL:HG21	1:68:A:TYR:HB2	20	0.1
(1,1302)	1:22:A:VAL:HG21	1:68:A:TYR:HB3	20	0.1
(1,1302)	1:22:A:VAL:HG22	1:68:A:TYR:HB2	20	0.1
(1,1302)	1:22:A:VAL:HG22	1:68:A:TYR:HB3	20	0.1
(1,1302)	1:22:A:VAL:HG23	1:68:A:TYR:HB2	20	0.1
(1,1302)	1:22:A:VAL:HG23	1:68:A:TYR:HB3	20	0.1
(1,1239)	1:108:A:LEU:HD21	1:110:A:LYS:HG2	19	0.1
(1,1239)	1:108:A:LEU:HD22	1:110:A:LYS:HG2	19	0.1
(1,1239)	1:108:A:LEU:HD23	1:110:A:LYS:HG2	19	0.1
(1,1236)	1:12:A:CYS:HB2	1:108:A:LEU:HD21	12	0.1
(1,1236)	1:12:A:CYS:HB2	1:108:A:LEU:HD22	12	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1236)	1:12:A:CYS:HB2	1:108:A:LEU:HD23	12	0.1
(1,1225)	1:21:A:GLU:HB2	1:51:A:VAL:HG21	3	0.1
(1,1225)	1:21:A:GLU:HB2	1:51:A:VAL:HG22	3	0.1
(1,1225)	1:21:A:GLU:HB2	1:51:A:VAL:HG23	3	0.1
(1,1225)	1:21:A:GLU:HB3	1:51:A:VAL:HG21	3	0.1
(1,1225)	1:21:A:GLU:HB3	1:51:A:VAL:HG22	3	0.1
(1,1225)	1:21:A:GLU:HB3	1:51:A:VAL:HG23	3	0.1
(1,1216)	1:22:A:VAL:HA	1:25:A:LEU:HD21	19	0.1
(1,1216)	1:22:A:VAL:HA	1:25:A:LEU:HD22	19	0.1
(1,1216)	1:22:A:VAL:HA	1:25:A:LEU:HD23	19	0.1
(1,1168)	1:9:A:SER:HB2	1:110:A:LYS:HA	19	0.1
(1,1168)	1:9:A:SER:HB3	1:110:A:LYS:HA	19	0.1
(1,1141)	1:26:A:LEU:HA	1:49:A:VAL:HG21	12	0.1
(1,1141)	1:26:A:LEU:HA	1:49:A:VAL:HG22	12	0.1
(1,1141)	1:26:A:LEU:HA	1:49:A:VAL:HG23	12	0.1
(1,1134)	1:36:A:VAL:HG21	1:43:A:ILE:HD11	5	0.1
(1,1134)	1:36:A:VAL:HG21	1:43:A:ILE:HD12	5	0.1
(1,1134)	1:36:A:VAL:HG21	1:43:A:ILE:HD13	5	0.1
(1,1134)	1:36:A:VAL:HG22	1:43:A:ILE:HD11	5	0.1
(1,1134)	1:36:A:VAL:HG22	1:43:A:ILE:HD12	5	0.1
(1,1134)	1:36:A:VAL:HG22	1:43:A:ILE:HD13	5	0.1
(1,1134)	1:36:A:VAL:HG23	1:43:A:ILE:HD11	5	0.1
(1,1134)	1:36:A:VAL:HG23	1:43:A:ILE:HD12	5	0.1
(1,1134)	1:36:A:VAL:HG23	1:43:A:ILE:HD13	5	0.1
(1,1134)	1:36:A:VAL:HG21	1:43:A:ILE:HD11	16	0.1
(1,1134)	1:36:A:VAL:HG21	1:43:A:ILE:HD12	16	0.1
(1,1134)	1:36:A:VAL:HG21	1:43:A:ILE:HD13	16	0.1
(1,1134)	1:36:A:VAL:HG22	1:43:A:ILE:HD11	16	0.1
(1,1134)	1:36:A:VAL:HG22	1:43:A:ILE:HD12	16	0.1
(1,1134)	1:36:A:VAL:HG22	1:43:A:ILE:HD13	16	0.1
(1,1134)	1:36:A:VAL:HG23	1:43:A:ILE:HD11	16	0.1
(1,1134)	1:36:A:VAL:HG23	1:43:A:ILE:HD12	16	0.1
(1,1134)	1:36:A:VAL:HG23	1:43:A:ILE:HD13	16	0.1
(1,1084)	1:15:A:ASP:HB2	1:16:A:LEU:HD21	11	0.1
(1,1084)	1:15:A:ASP:HB2	1:16:A:LEU:HD22	11	0.1
(1,1084)	1:15:A:ASP:HB2	1:16:A:LEU:HD23	11	0.1
(1,1046)	1:67:A:GLY:HA2	1:97:A:VAL:HG21	13	0.1
(1,1046)	1:67:A:GLY:HA2	1:97:A:VAL:HG22	13	0.1
(1,1046)	1:67:A:GLY:HA2	1:97:A:VAL:HG23	13	0.1
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD11	7	0.1
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD12	7	0.1
(1,981)	1:44:A:TYR:HB2	1:75:A:LEU:HD13	7	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD11	7	0.1
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD12	7	0.1
(1,981)	1:44:A:TYR:HB3	1:75:A:LEU:HD13	7	0.1
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD21	5	0.1
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD22	5	0.1
(1,961)	1:64:A:GLY:H	1:105:A:LEU:HD23	5	0.1
(1,940)	1:7:A:PHE:HE2	1:77:A:LEU:HD21	6	0.1
(1,930)	1:64:A:GLY:H	1:105:A:LEU:HD11	12	0.1
(1,930)	1:64:A:GLY:H	1:105:A:LEU:HD12	12	0.1
(1,930)	1:64:A:GLY:H	1:105:A:LEU:HD13	12	0.1
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD21	12	0.1
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD22	12	0.1
(1,916)	1:23:A:VAL:HA	1:26:A:LEU:HD23	12	0.1
(1,910)	1:16:A:LEU:HD11	1:17:A:ASN:H	6	0.1
(1,910)	1:16:A:LEU:HD12	1:17:A:ASN:H	6	0.1
(1,910)	1:16:A:LEU:HD13	1:17:A:ASN:H	6	0.1
(1,910)	1:16:A:LEU:HD11	1:17:A:ASN:H	13	0.1
(1,910)	1:16:A:LEU:HD12	1:17:A:ASN:H	13	0.1
(1,910)	1:16:A:LEU:HD13	1:17:A:ASN:H	13	0.1
(1,910)	1:16:A:LEU:HD11	1:17:A:ASN:H	14	0.1
(1,910)	1:16:A:LEU:HD12	1:17:A:ASN:H	14	0.1
(1,910)	1:16:A:LEU:HD13	1:17:A:ASN:H	14	0.1
(1,910)	1:16:A:LEU:HD11	1:17:A:ASN:H	20	0.1
(1,910)	1:16:A:LEU:HD12	1:17:A:ASN:H	20	0.1
(1,910)	1:16:A:LEU:HD13	1:17:A:ASN:H	20	0.1
(1,887)	1:43:A:ILE:HD11	1:77:A:LEU:HD11	18	0.1
(1,887)	1:43:A:ILE:HD11	1:77:A:LEU:HD12	18	0.1
(1,887)	1:43:A:ILE:HD11	1:77:A:LEU:HD13	18	0.1
(1,887)	1:43:A:ILE:HD12	1:77:A:LEU:HD11	18	0.1
(1,887)	1:43:A:ILE:HD12	1:77:A:LEU:HD12	18	0.1
(1,887)	1:43:A:ILE:HD12	1:77:A:LEU:HD13	18	0.1
(1,887)	1:43:A:ILE:HD13	1:77:A:LEU:HD11	18	0.1
(1,887)	1:43:A:ILE:HD13	1:77:A:LEU:HD12	18	0.1
(1,887)	1:43:A:ILE:HD13	1:77:A:LEU:HD13	18	0.1
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG11	8	0.1
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG12	8	0.1
(1,806)	1:48:A:PRO:HG3	1:49:A:VAL:HG13	8	0.1
(1,760)	1:5:A:LEU:HD21	1:12:A:CYS:HB3	8	0.1
(1,760)	1:5:A:LEU:HD22	1:12:A:CYS:HB3	8	0.1
(1,760)	1:5:A:LEU:HD23	1:12:A:CYS:HB3	8	0.1
(1,736)	1:112:A:LYS:HA	1:112:A:LYS:HD2	5	0.1
(1,736)	1:112:A:LYS:HA	1:112:A:LYS:HD3	5	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,734)	1:112:A:LYS:H	1:112:A:LYS:HD2	18	0.1
(1,734)	1:112:A:LYS:H	1:112:A:LYS:HD3	18	0.1
(1,704)	1:81:A:LYS:HD2	1:89:A:ILE:HD11	3	0.1
(1,704)	1:81:A:LYS:HD2	1:89:A:ILE:HD12	3	0.1
(1,704)	1:81:A:LYS:HD2	1:89:A:ILE:HD13	3	0.1
(1,653)	1:30:A:ILE:HG13	1:32:A:PHE:H	9	0.1
(1,641)	1:27:A:LYS:HA	1:30:A:ILE:HG12	6	0.1
(1,641)	1:27:A:LYS:HA	1:30:A:ILE:HG12	10	0.1
(1,575)	1:44:A:TYR:HB2	1:76:A:CYS:HB2	1	0.1
(1,575)	1:44:A:TYR:HB3	1:76:A:CYS:HB2	1	0.1
(1,575)	1:44:A:TYR:HB2	1:76:A:CYS:HB2	12	0.1
(1,575)	1:44:A:TYR:HB3	1:76:A:CYS:HB2	12	0.1
(1,431)	1:4:A:GLU:H	1:120:A:ARG:HB3	11	0.1
(1,383)	1:106:A:GLU:HG2	1:107:A:ASP:H	2	0.1
(1,383)	1:106:A:GLU:HG3	1:107:A:ASP:H	2	0.1
(1,337)	1:33:A:GLU:HB2	1:33:A:GLU:HG2	9	0.1
(1,337)	1:33:A:GLU:HB2	1:33:A:GLU:HG2	10	0.1
(1,337)	1:33:A:GLU:HB2	1:33:A:GLU:HG2	14	0.1
(1,306)	1:15:A:ASP:HB3	1:100:A:LYS:HB3	11	0.1
(1,251)	1:17:A:ASN:HA	1:18:A:GLU:HG2	19	0.1
(1,196)	1:35:A:VAL:HG21	1:45:A:PHE:HB3	12	0.1
(1,196)	1:35:A:VAL:HG22	1:45:A:PHE:HB3	12	0.1
(1,196)	1:35:A:VAL:HG23	1:45:A:PHE:HB3	12	0.1
(1,196)	1:35:A:VAL:HG21	1:45:A:PHE:HB3	13	0.1
(1,196)	1:35:A:VAL:HG22	1:45:A:PHE:HB3	13	0.1
(1,196)	1:35:A:VAL:HG23	1:45:A:PHE:HB3	13	0.1
(1,175)	1:65:A:ASP:HB2	1:97:A:VAL:HA	1	0.1
(1,149)	1:60:A:VAL:HG21	1:88:A:LYS:HE2	14	0.1
(1,149)	1:60:A:VAL:HG21	1:88:A:LYS:HE3	14	0.1
(1,149)	1:60:A:VAL:HG22	1:88:A:LYS:HE2	14	0.1
(1,149)	1:60:A:VAL:HG22	1:88:A:LYS:HE3	14	0.1
(1,149)	1:60:A:VAL:HG23	1:88:A:LYS:HE2	14	0.1
(1,149)	1:60:A:VAL:HG23	1:88:A:LYS:HE3	14	0.1
(1,135)	1:27:A:LYS:HE2	1:121:A:PHE:HE1	10	0.1
(1,135)	1:27:A:LYS:HE2	1:121:A:PHE:HE2	10	0.1
(1,135)	1:27:A:LYS:HE3	1:121:A:PHE:HE1	10	0.1
(1,135)	1:27:A:LYS:HE3	1:121:A:PHE:HE2	10	0.1
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG21	18	0.1
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG22	18	0.1
(1,90)	1:2:A:ARG:HD2	1:13:A:VAL:HG23	18	0.1
(1,60)	1:120:A:ARG:HA	1:120:A:ARG:HD2	6	0.1
(1,60)	1:120:A:ARG:HA	1:120:A:ARG:HD3	6	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,60)	1:120:A:ARG:HA	1:120:A:ARG:HD2	11	0.1
(1,60)	1:120:A:ARG:HA	1:120:A:ARG:HD3	11	0.1
(1,49)	1:80:A:GLY:HA3	1:89:A:ILE:HD11	16	0.1
(1,49)	1:80:A:GLY:HA3	1:89:A:ILE:HD12	16	0.1
(1,49)	1:80:A:GLY:HA3	1:89:A:ILE:HD13	16	0.1
(1,49)	1:80:A:GLY:HA3	1:89:A:ILE:HD11	20	0.1
(1,49)	1:80:A:GLY:HA3	1:89:A:ILE:HD12	20	0.1
(1,49)	1:80:A:GLY:HA3	1:89:A:ILE:HD13	20	0.1
(1,44)	1:41:A:GLU:HB2	1:80:A:GLY:HA2	14	0.1
(1,44)	1:41:A:GLU:HB3	1:80:A:GLY:HA2	14	0.1
(1,36)	1:10:A:GLY:HA2	1:11:A:LYS:HD2	6	0.1
(1,36)	1:10:A:GLY:HA2	1:11:A:LYS:HD3	6	0.1
(1,36)	1:10:A:GLY:HA3	1:11:A:LYS:HD2	6	0.1
(1,36)	1:10:A:GLY:HA3	1:11:A:LYS:HD3	6	0.1
(1,29)	1:104:A:GLY:HA2	1:106:A:GLU:HG2	7	0.1
(1,29)	1:104:A:GLY:HA2	1:106:A:GLU:HG3	7	0.1
(1,15)	1:66:A:VAL:HB	1:99:A:GLY:HA2	9	0.1
(1,15)	1:66:A:VAL:HB	1:99:A:GLY:HA2	12	0.1
(1,9)	1:39:A:TRP:H	1:40:A:GLY:HA3	17	0.1

10 Dihedral-angle violation analysis (i)

No dihedral-angle restraints found