Full wwPDB NMR Structure Validation Report

Mar 19, 2026 – 09:03 PM UTC

PDB ID	:	2LNK / pdb_00002lnk
BMRB ID	:	18169
Title	:	Solution structure of Ca-bound S100A4 in complex with non-muscle myosin IIA
Authors	:	Barsukov, I.L.; Elliott, P.R.
Deposited on	:	2011-12-30

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

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

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

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

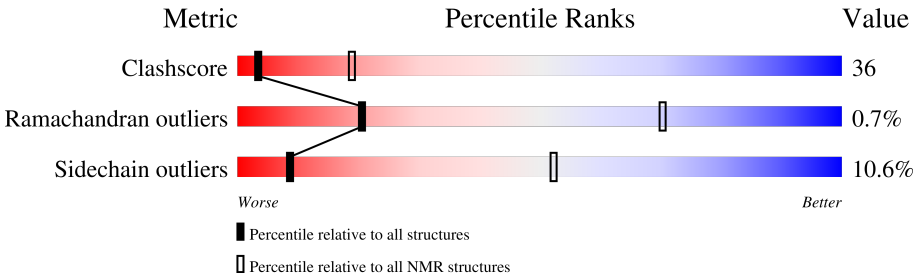
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber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

1 Overall quality at a glance (i)

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

The overall completeness of chemical shifts assignment is 46%.

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	C	39	23% 49% 10% 18%
2	A	113	32% 36% • 18% 11%
2	B	113	35% 36% • 16% 11%

2 Ensemble composition and analysis

This entry contains 20 models. Model 6 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *lowest energy*.

The following residues are included in the computation of the global validation metrics.

Well-defined (core) protein residues			
Well-defined core	**Residue range (total)**	**Backbone RMSD (Å)**	**Medoid model**
1	C:1899-C:1922, C:1926-C:1933, A:2-A:21, A:28-A:88, B:2-B:21, B:28-B:90 (196)	0.51	6

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

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

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

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

3 Entry composition (i)

There are 2 unique types of molecules in this entry. The entry contains 3895 atoms, of which 1943 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Myosin heavy chain, non-muscle IIa.

Mol	Chain	Residues	Atoms						Trace
1	C	39	Total	C	H	N	O	S	0
			635	189	321	62	61	2	

- Molecule 2 is a protein called Protein S100-A4.

Mol	Chain	Residues	Atoms						Trace
2	A	101	Total	C	H	N	O	S	0
			1630	519	811	135	156	9	
2	B	101	Total	C	H	N	O	S	0
			1630	519	811	135	156	9	

There are 24 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	-11	MET	-	expression tag	UNP P26447
A	-10	ARG	-	expression tag	UNP P26447
A	-9	GLY	-	expression tag	UNP P26447
A	-8	SER	-	expression tag	UNP P26447
A	-7	HIS	-	expression tag	UNP P26447
A	-6	HIS	-	expression tag	UNP P26447
A	-5	HIS	-	expression tag	UNP P26447
A	-4	HIS	-	expression tag	UNP P26447
A	-3	HIS	-	expression tag	UNP P26447
A	-2	HIS	-	expression tag	UNP P26447
A	-1	GLY	-	expression tag	UNP P26447
A	0	SER	-	expression tag	UNP P26447
B	-11	MET	-	expression tag	UNP P26447
B	-10	ARG	-	expression tag	UNP P26447
B	-9	GLY	-	expression tag	UNP P26447
B	-8	SER	-	expression tag	UNP P26447
B	-7	HIS	-	expression tag	UNP P26447
B	-6	HIS	-	expression tag	UNP P26447
B	-5	HIS	-	expression tag	UNP P26447
B	-4	HIS	-	expression tag	UNP P26447
B	-3	HIS	-	expression tag	UNP P26447
B	-2	HIS	-	expression tag	UNP P26447
B	-1	GLY	-	expression tag	UNP P26447

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Chain	Residue	Modelled	Actual	Comment	Reference
B	0	SER	-	expression tag	UNP P26447

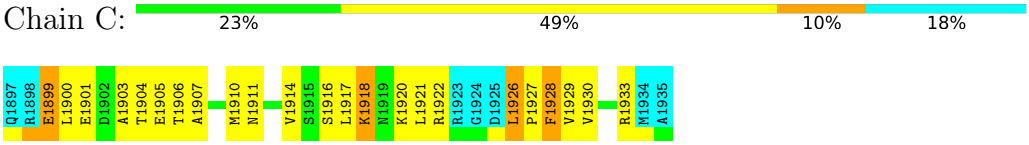
4 Residue-property plots

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.

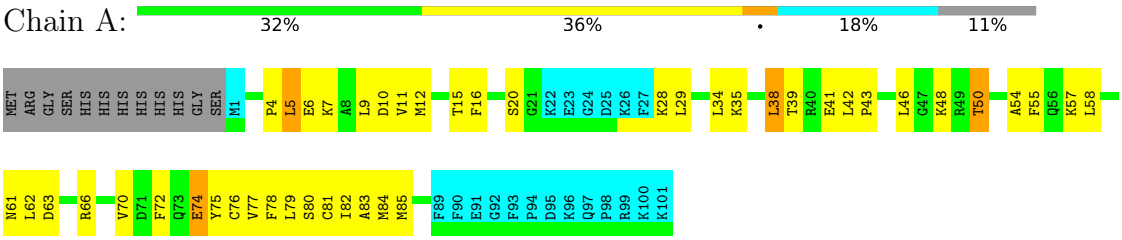
• Molecule 1: Myosin heavy chain, non-muscle IIa

Chain C:



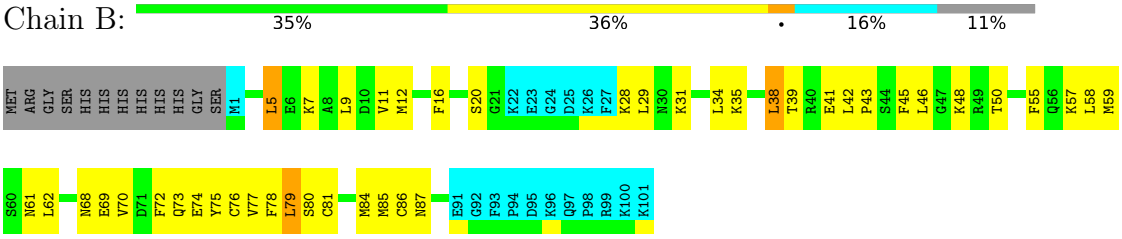
• Molecule 2: Protein S100-A4

Chain A:



• Molecule 2: Protein S100-A4

Chain B:

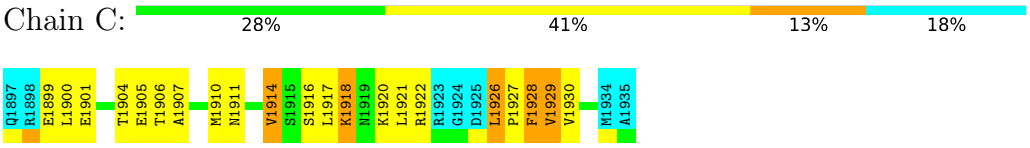


4.2 Scores per residue for each member of the ensemble

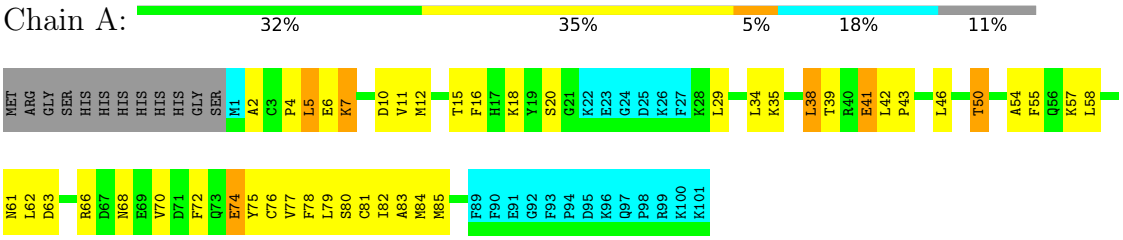
Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

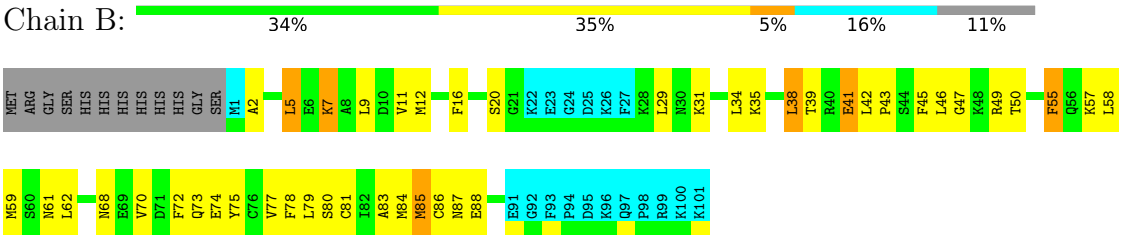
• Molecule 1: Myosin heavy chain, non-muscle IIa



• Molecule 2: Protein S100-A4

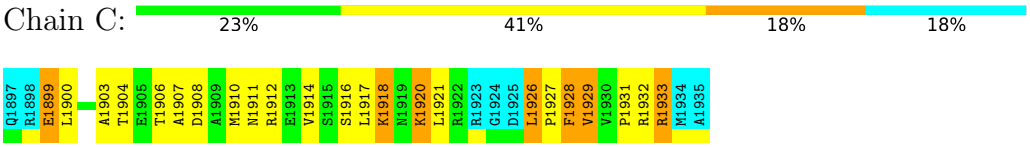


• Molecule 2: Protein S100-A4

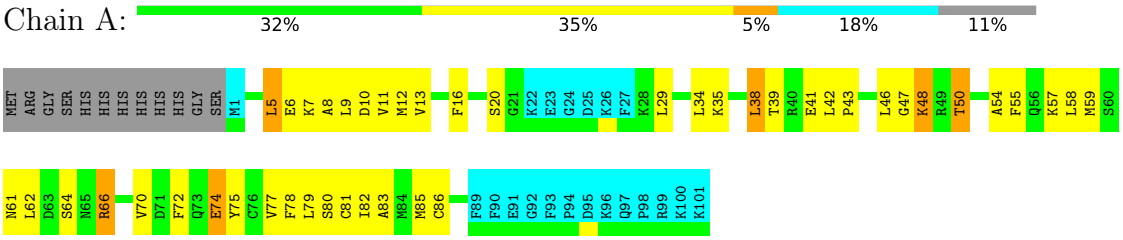


4.2.2 Score per residue for model 2

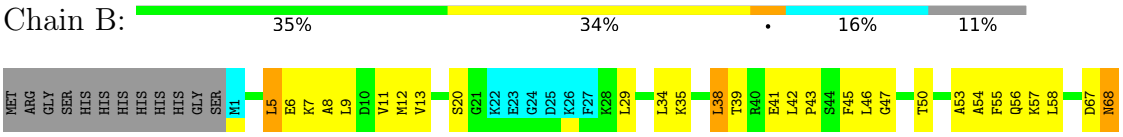
• Molecule 1: Myosin heavy chain, non-muscle IIa

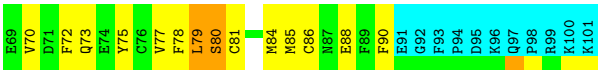


• Molecule 2: Protein S100-A4



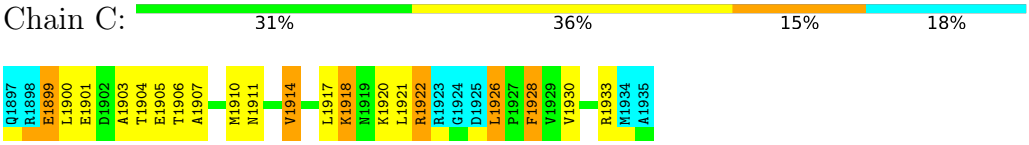
• Molecule 2: Protein S100-A4



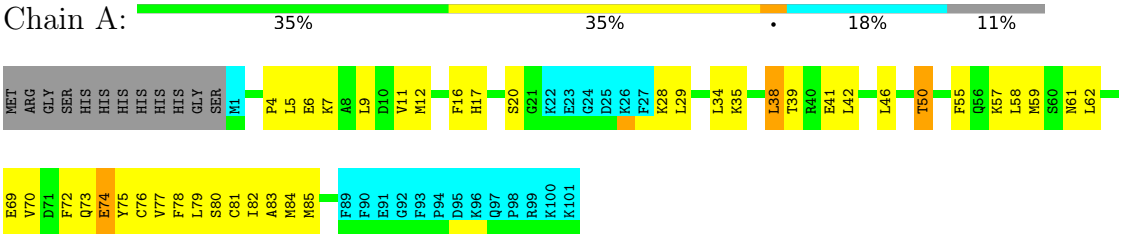


4.2.3 Score per residue for model 3

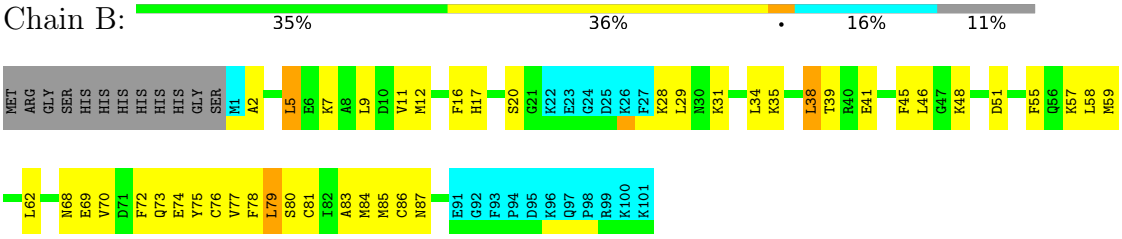
• Molecule 1: Myosin heavy chain, non-muscle IIa



• Molecule 2: Protein S100-A4

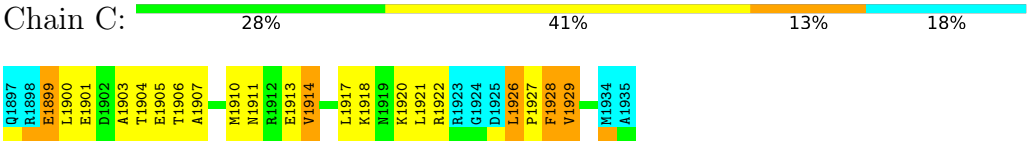


• Molecule 2: Protein S100-A4

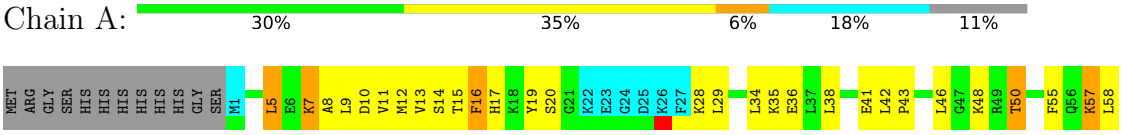


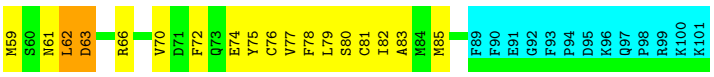
4.2.4 Score per residue for model 4

• Molecule 1: Myosin heavy chain, non-muscle IIa



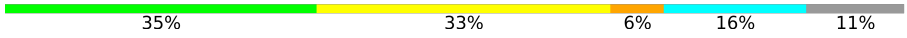
• Molecule 2: Protein S100-A4

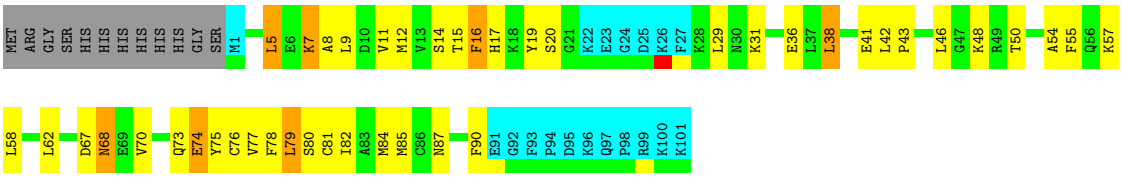




• Molecule 2: Protein S100-A4

Chain B:

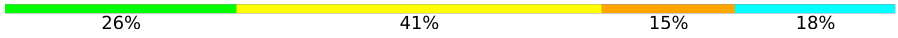


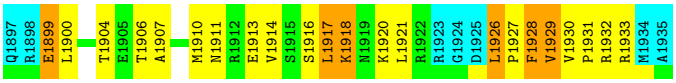


4.2.5 Score per residue for model 5

• Molecule 1: Myosin heavy chain, non-muscle IIa

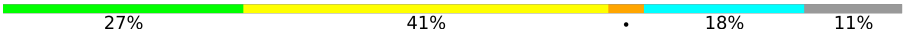
Chain C:

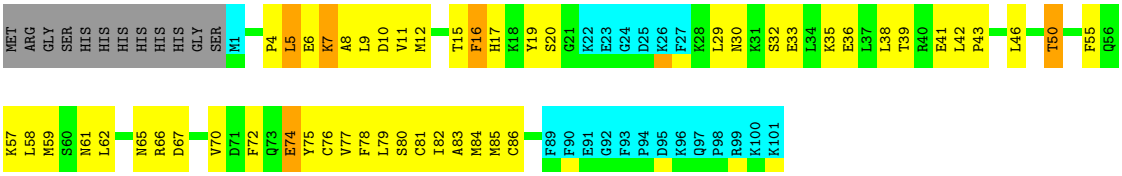




• Molecule 2: Protein S100-A4

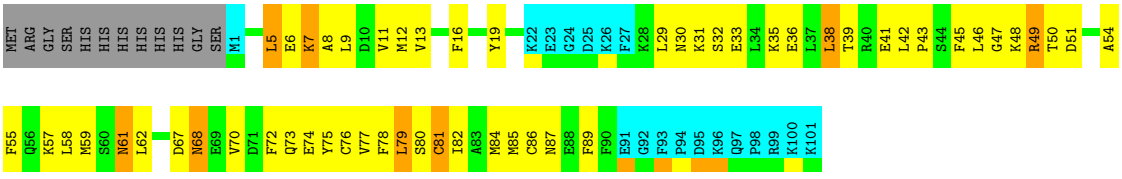
Chain A:





• Molecule 2: Protein S100-A4

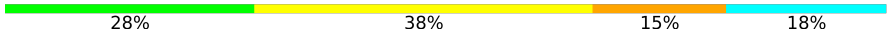
Chain B:



4.2.6 Score per residue for model 6 (medoid)

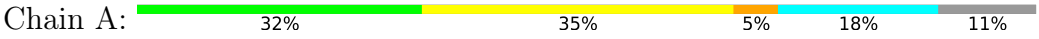
• Molecule 1: Myosin heavy chain, non-muscle IIa

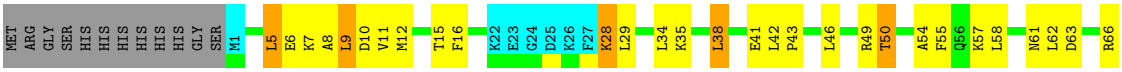
Chain C:



• Molecule 2: Protein S100-A4

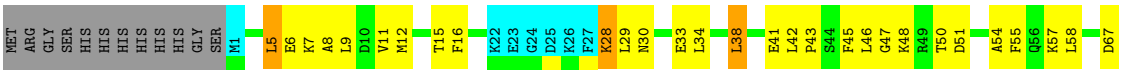
Chain A:

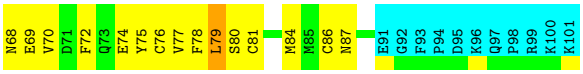




• Molecule 2: Protein S100-A4

Chain B:

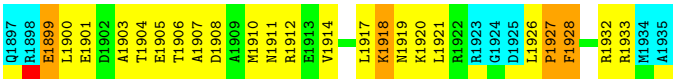




4.2.7 Score per residue for model 7

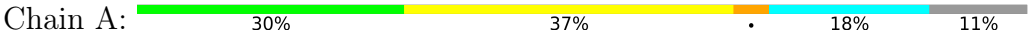
• Molecule 1: Myosin heavy chain, non-muscle IIa

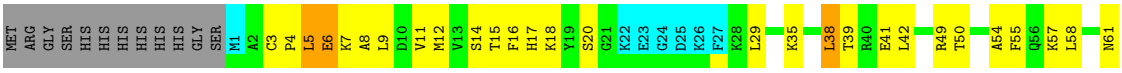
Chain C:

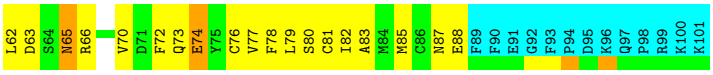


• Molecule 2: Protein S100-A4

Chain A:

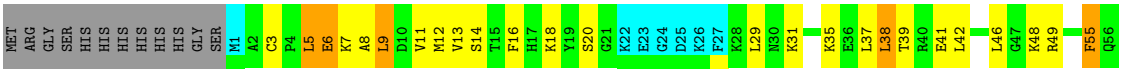


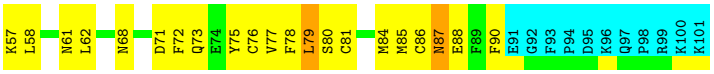




• Molecule 2: Protein S100-A4

Chain B:

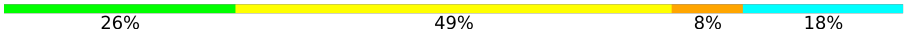


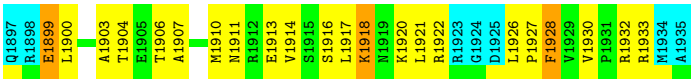


4.2.8 Score per residue for model 8

• Molecule 1: Myosin heavy chain, non-muscle IIa

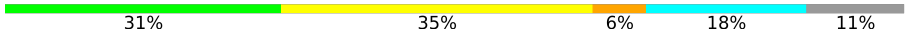
Chain C:

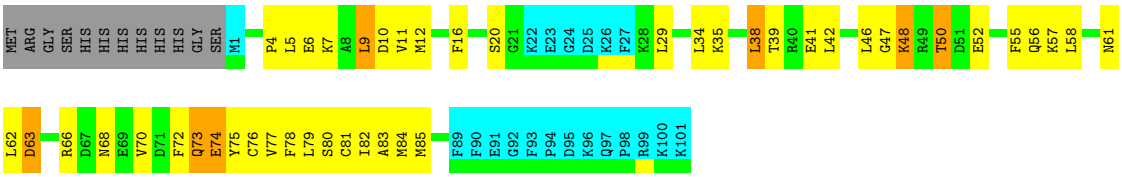




• Molecule 2: Protein S100-A4

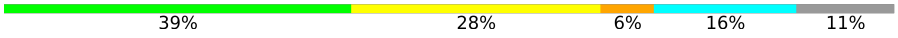
Chain A:

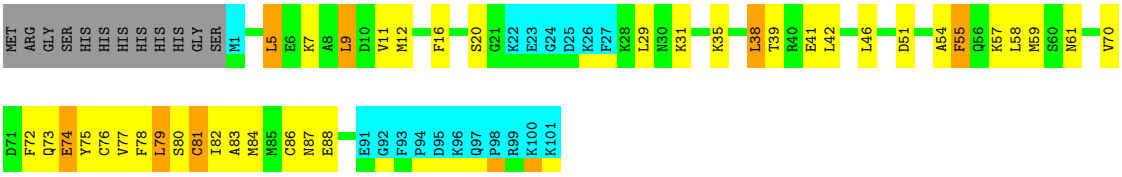




• Molecule 2: Protein S100-A4

Chain B:

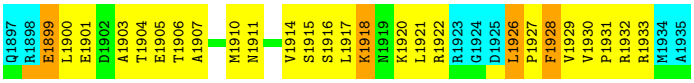




4.2.9 Score per residue for model 9

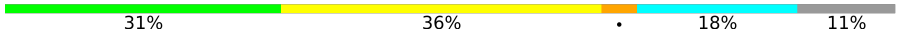
• Molecule 1: Myosin heavy chain, non-muscle IIa

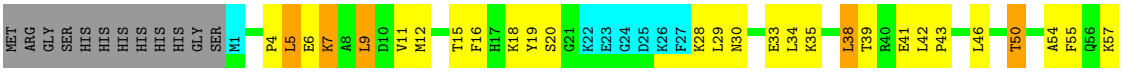
Chain C:

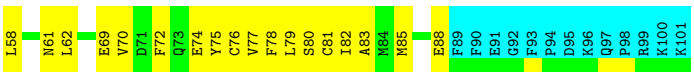


• Molecule 2: Protein S100-A4

Chain A:

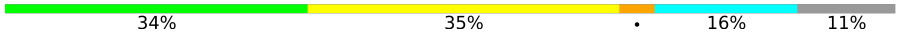


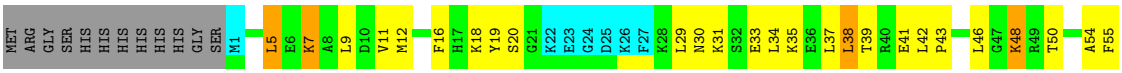


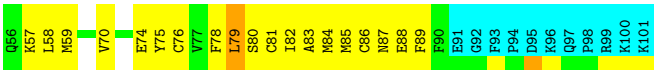


• Molecule 2: Protein S100-A4

Chain B:







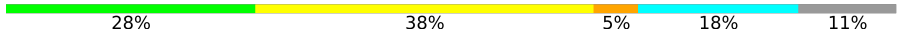
4.2.10 Score per residue for model 10

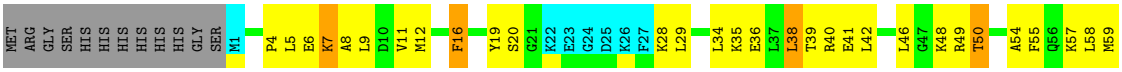
• Molecule 1: Myosin heavy chain, non-muscle IIa

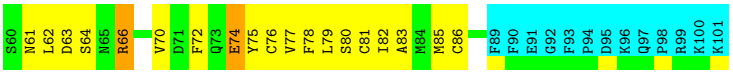
Chain C:

• Molecule 2: Protein S100-A4

Chain A:

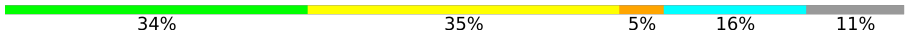


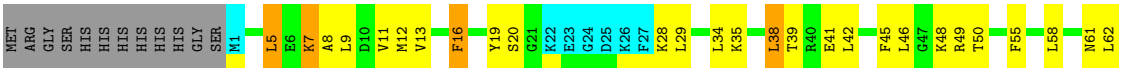


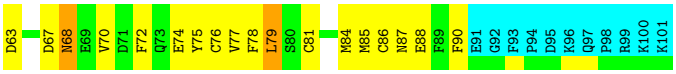


• Molecule 2: Protein S100-A4

Chain B:



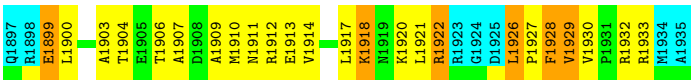




4.2.11 Score per residue for model 11

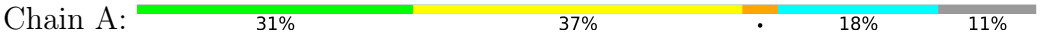
• Molecule 1: Myosin heavy chain, non-muscle IIa

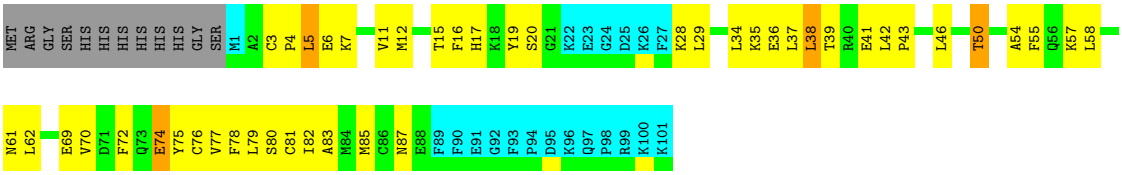
Chain C:



• Molecule 2: Protein S100-A4

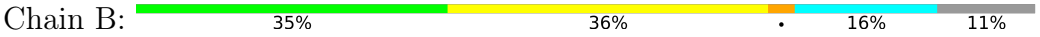
Chain A:

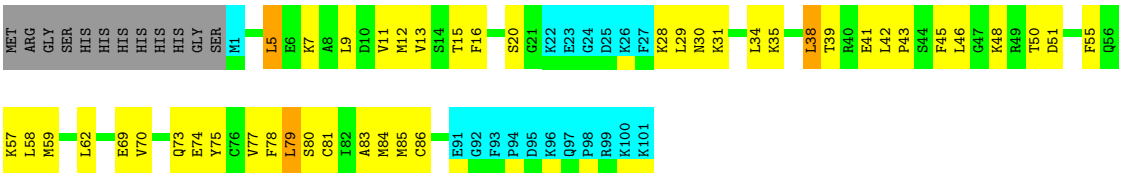




• Molecule 2: Protein S100-A4

Chain B:

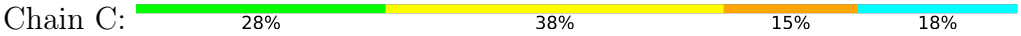


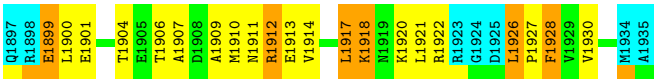


4.2.12 Score per residue for model 12

• Molecule 1: Myosin heavy chain, non-muscle IIa

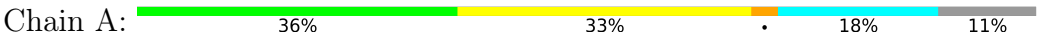
Chain C:

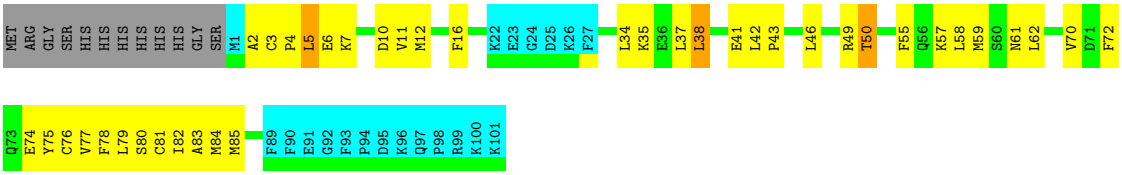




• Molecule 2: Protein S100-A4

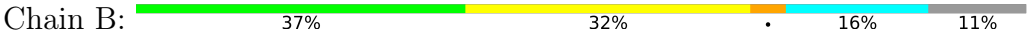
Chain A:

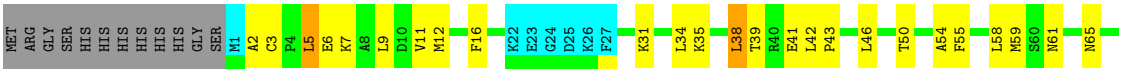




• Molecule 2: Protein S100-A4

Chain B:

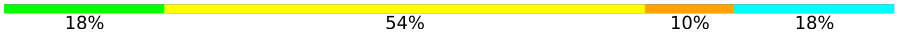




4.2.13 Score per residue for model 13

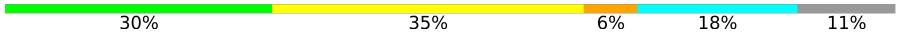
• Molecule 1: Myosin heavy chain, non-muscle IIa

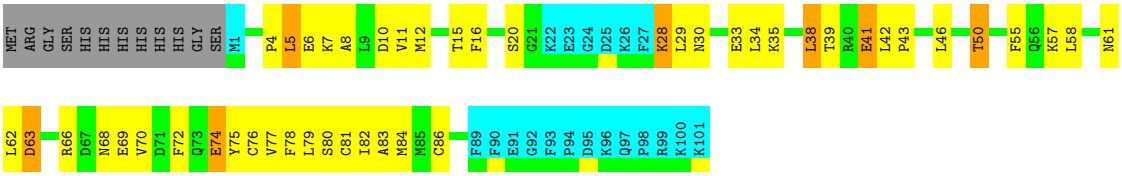
Chain C:



• Molecule 2: Protein S100-A4

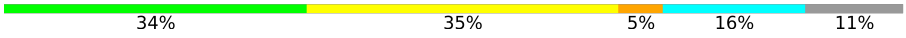
Chain A:

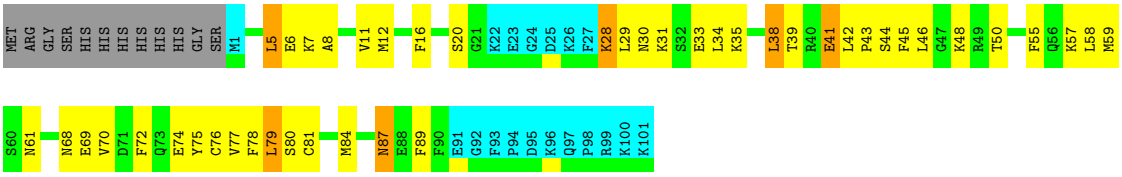




• Molecule 2: Protein S100-A4

Chain B:

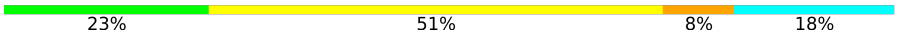


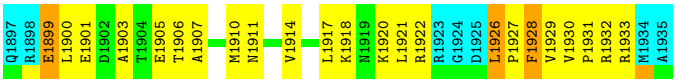


4.2.14 Score per residue for model 14

• Molecule 1: Myosin heavy chain, non-muscle IIa

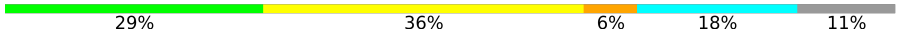
Chain C:

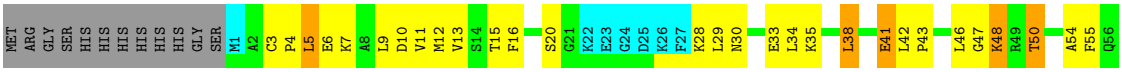


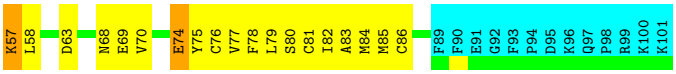


• Molecule 2: Protein S100-A4

Chain A:

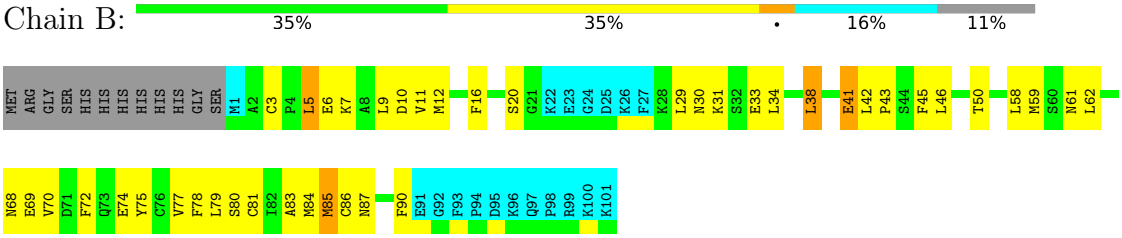






• Molecule 2: Protein S100-A4

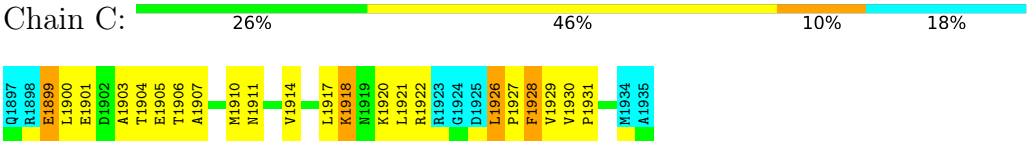
Chain B:



4.2.15 Score per residue for model 15

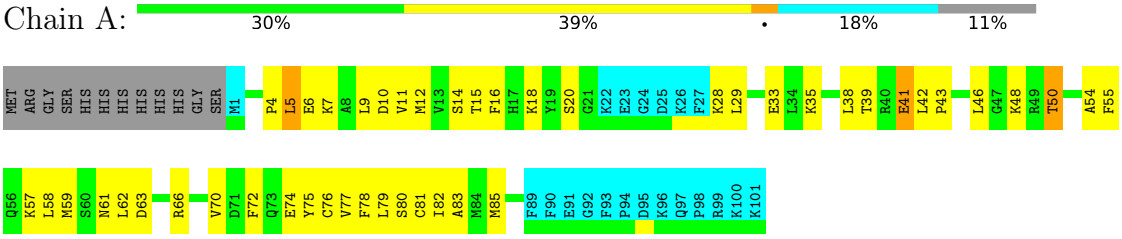
• Molecule 1: Myosin heavy chain, non-muscle IIa

Chain C:



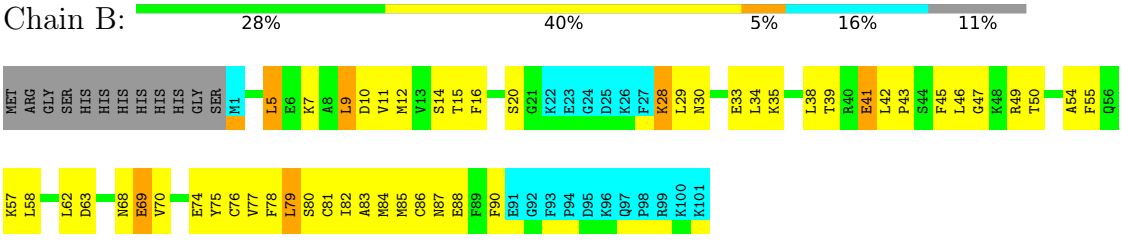
• Molecule 2: Protein S100-A4

Chain A:



• Molecule 2: Protein S100-A4

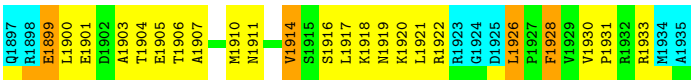
Chain B:



4.2.16 Score per residue for model 16

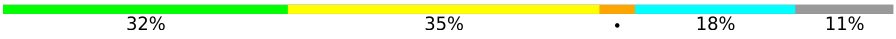
• Molecule 1: Myosin heavy chain, non-muscle IIa

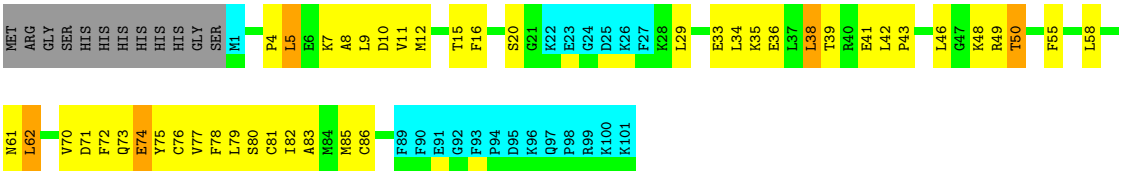
Chain C:



• Molecule 2: Protein S100-A4

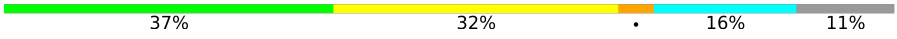
Chain A:

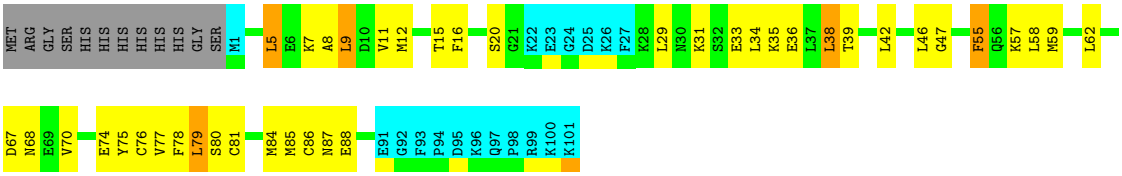




• Molecule 2: Protein S100-A4

Chain B:

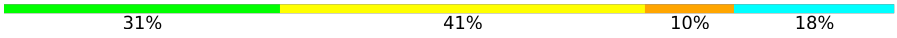


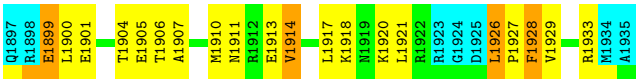


4.2.17 Score per residue for model 17

• Molecule 1: Myosin heavy chain, non-muscle IIa

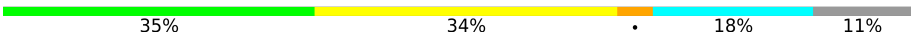
Chain C:

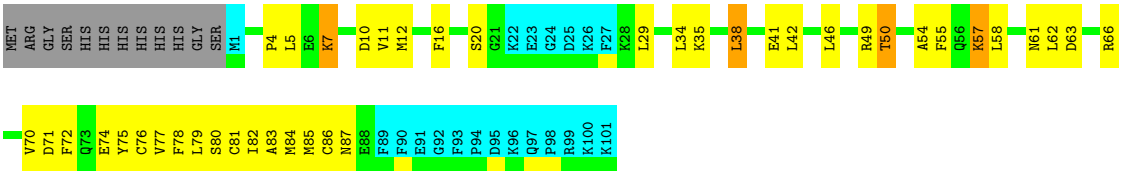




• Molecule 2: Protein S100-A4

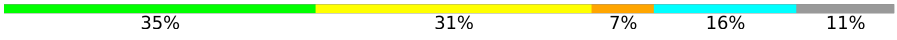
Chain A:

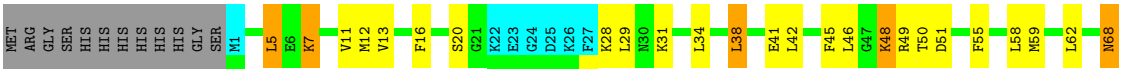


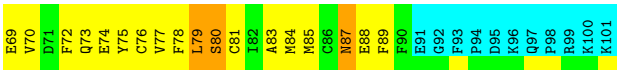


• Molecule 2: Protein S100-A4

Chain B:



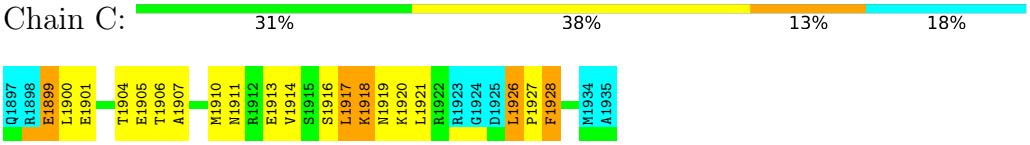




4.2.18 Score per residue for model 18

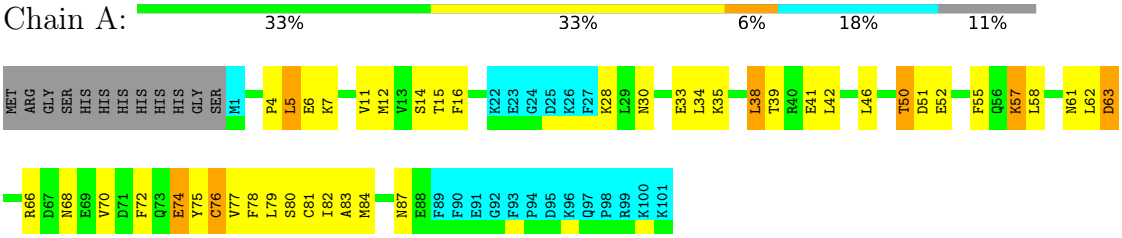
• Molecule 1: Myosin heavy chain, non-muscle IIa

Chain C:



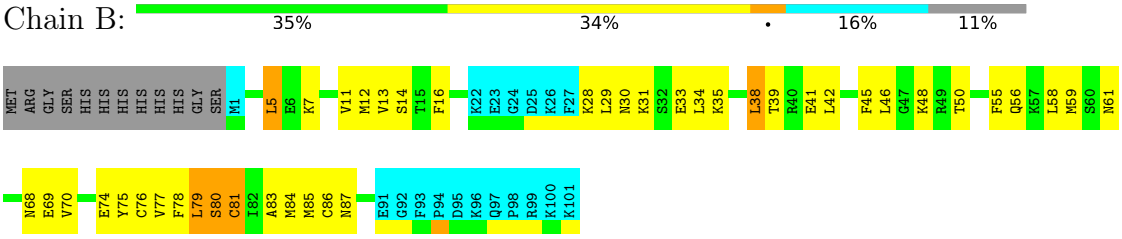
• Molecule 2: Protein S100-A4

Chain A:



• Molecule 2: Protein S100-A4

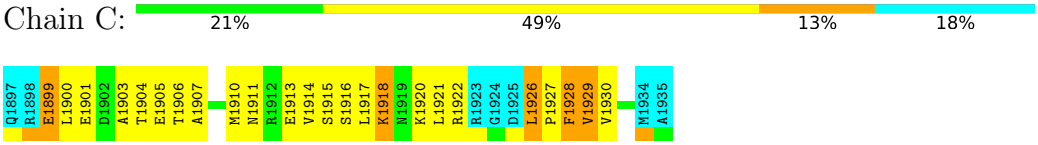
Chain B:



4.2.19 Score per residue for model 19

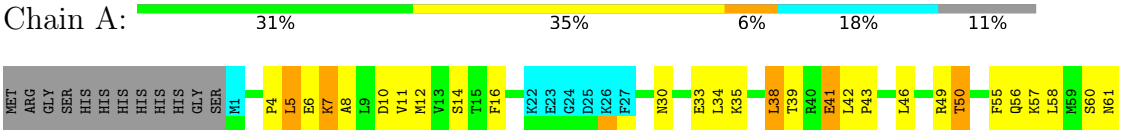
• Molecule 1: Myosin heavy chain, non-muscle IIa

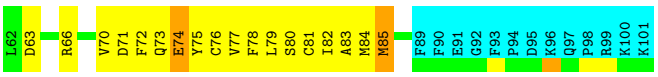
Chain C:



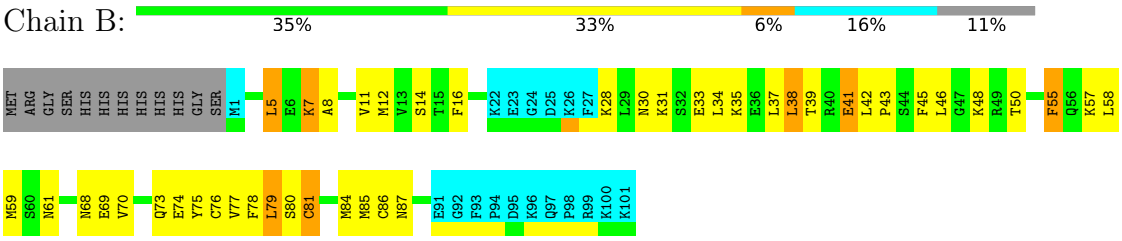
• Molecule 2: Protein S100-A4

Chain A:



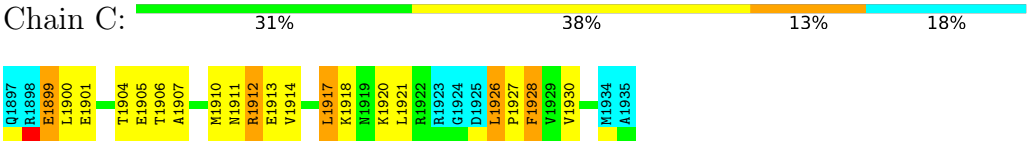


• Molecule 2: Protein S100-A4

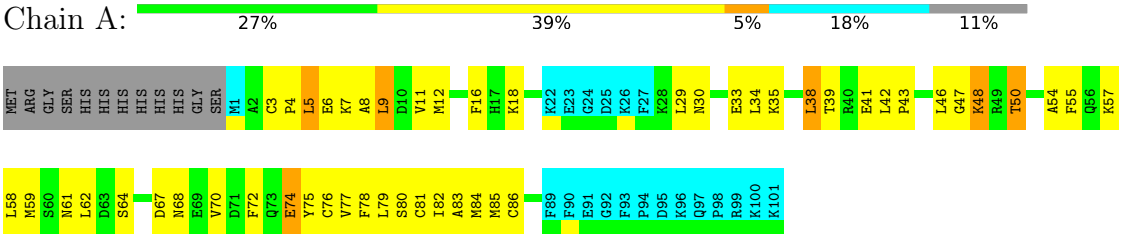


4.2.20 Score per residue for model 20

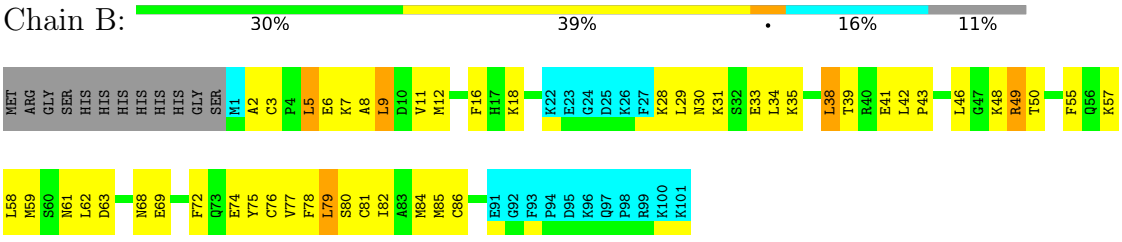
• Molecule 1: Myosin heavy chain, non-muscle IIa



• Molecule 2: Protein S100-A4



• Molecule 2: Protein S100-A4



5 Refinement protocol and experimental data overview

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

Of the 200 calculated structures, 20 were deposited, based on the following criterion: *structures with the lowest energy*.

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

Software name	Classification	Version
CNS	structure solution	1.1
CNS	refinement	1.1
ARIA	structure solution	1.2
ProcheckNMR	geometry optimization	

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	3
Total number of shifts	2776
Number of shifts mapped to atoms	2776
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	46%

6 Model quality

6.1 Standard geometry

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#Z>5	RMSZ	#Z>5
1	C	0.63±0.05	0±0/260 (0.0± 0.1%)	0.95±0.05	0±0/351 (0.1± 0.1%)
2	A	0.46±0.01	0±0/655 (0.0± 0.0%)	0.76±0.02	0±0/879 (0.0± 0.0%)
2	B	0.47±0.01	0±0/679 (0.0± 0.0%)	0.76±0.02	0±0/911 (0.0± 0.0%)
All	All	0.50	1/31880 (0.0%)	0.79	8/42820 (0.0%)

All unique bond outliers are listed below.

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	C	1929	VAL	CA-CB	-5.55	1.51	1.55	5	1

All unique angle outliers are listed below.

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
1	C	1929	VAL	CB-CA-C	-5.91	106.18	111.74	2	8

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	C	257	264	264	45±5
2	A	645	640	639	56±5
2	B	667	658	657	55±7
All	All	31380	31240	31200	2277

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 36.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
2:A:46:LEU:HD22	2:A:50:THR:HG21	0.97	1.37	20	19
1:C:1927:PRO:HB2	2:B:50:THR:HA	0.96	1.36	12	16
2:B:20:SER:HB3	2:B:29:LEU:HG	0.93	1.41	3	11
2:A:20:SER:HB3	2:A:29:LEU:HG	0.92	1.41	3	13
2:A:70:VAL:HG13	2:A:74:GLU:HB2	0.91	1.41	15	18
2:A:76:CYS:HB2	2:B:80:SER:HB2	0.90	1.43	20	9
1:C:1921:LEU:HD12	2:B:81:CYS:SG	0.89	2.08	10	11
1:C:1917:LEU:HD23	1:C:1920:LYS:HE3	0.87	1.45	5	1
1:C:1918:LYS:HA	2:B:81:CYS:SG	0.85	2.12	2	11
2:A:83:ALA:HB2	2:B:12:MET:SD	0.84	2.13	2	20
1:C:1917:LEU:HD13	1:C:1920:LYS:HE3	0.84	1.50	19	3
1:C:1921:LEU:HD22	1:C:1926:LEU:HD11	0.83	1.50	15	16
1:C:1921:LEU:HA	1:C:1926:LEU:HG	0.83	1.51	15	13
2:B:38:LEU:HB3	2:B:46:LEU:HD21	0.83	1.49	16	17
2:A:72:PHE:CE2	2:B:84:MET:HA	0.82	2.08	4	14
1:C:1928:PHE:CE2	2:B:58:LEU:HD11	0.81	2.11	9	11
1:C:1900:LEU:HA	1:C:1903:ALA:HB3	0.80	1.52	4	11
1:C:1922:ARG:HD2	2:B:85:MET:HG3	0.80	1.51	3	1
2:A:7:LYS:HA	2:A:7:LYS:HE2	0.80	1.51	5	2
2:B:7:LYS:HA	2:B:7:LYS:HE2	0.78	1.51	5	2
1:C:1917:LEU:HA	1:C:1920:LYS:HG2	0.77	1.56	14	14
1:C:1910:MET:HG2	2:A:77:VAL:HG12	0.77	1.55	19	20
2:B:7:LYS:HA	2:B:7:LYS:HE3	0.77	1.56	9	4
1:C:1907:ALA:HA	2:A:81:CYS:SG	0.77	2.20	11	20
1:C:1926:LEU:HD22	2:B:58:LEU:HD12	0.76	1.56	7	3
1:C:1899:GLU:HG2	1:C:1900:LEU:HD22	0.76	1.58	15	16
2:A:78:PHE:O	2:A:82:ILE:HG13	0.75	1.82	2	20
2:B:70:VAL:HG13	2:B:74:GLU:HB3	0.74	1.58	3	12
2:A:2:ALA:HB1	2:A:7:LYS:HG3	0.74	1.60	12	2
2:B:28:LYS:HD2	2:B:69:GLU:HB2	0.74	1.59	3	2
2:A:72:PHE:CE2	2:B:87:ASN:HB3	0.73	2.18	17	2
2:A:76:CYS:HB3	2:B:80:SER:HB2	0.73	1.61	1	7
2:A:7:LYS:HA	2:A:7:LYS:HE3	0.73	1.57	9	4
1:C:1900:LEU:HG	2:A:58:LEU:HD13	0.73	1.61	6	20
2:B:2:ALA:HB1	2:B:7:LYS:HG3	0.73	1.60	12	2
2:A:16:PHE:HZ	2:A:72:PHE:HA	0.73	1.43	2	2
2:B:28:LYS:HB3	2:B:69:GLU:HB2	0.73	1.59	20	1
1:C:1917:LEU:HD22	2:B:81:CYS:SG	0.72	2.25	14	8

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
2:A:16:PHE:CZ	2:A:72:PHE:HA	0.71	2.20	2	1
2:A:76:CYS:SG	2:B:84:MET:HB2	0.71	2.26	15	10
2:B:81:CYS:O	2:B:85:MET:HB2	0.71	1.85	20	13
1:C:1918:LYS:HE3	1:C:1919:ASN:N	0.71	2.00	18	1
1:C:1900:LEU:HA	1:C:1903:ALA:CB	0.71	2.15	4	9
1:C:1921:LEU:HD22	1:C:1926:LEU:HD21	0.71	1.62	7	2
2:B:12:MET:O	2:B:16:PHE:HB2	0.70	1.86	15	16
1:C:1911:ASN:CA	2:A:77:VAL:HG11	0.70	2.17	10	20
2:A:12:MET:O	2:A:16:PHE:HB2	0.70	1.85	15	16
2:B:12:MET:HE2	2:B:79:LEU:HD22	0.69	1.64	6	10
1:C:1910:MET:SD	2:A:80:SER:HB2	0.69	2.27	7	20
1:C:1921:LEU:HB3	1:C:1926:LEU:HD11	0.69	1.63	14	1
2:A:28:LYS:HD2	2:A:69:GLU:HB3	0.69	1.63	14	3
1:C:1932:ARG:HA	2:B:89:PHE:HB3	0.68	1.64	9	2
1:C:1928:PHE:CD2	2:B:58:LEU:HD11	0.68	2.24	7	20
1:C:1911:ASN:HA	2:A:77:VAL:HG11	0.68	1.63	1	13
2:B:28:LYS:HB3	2:B:69:GLU:HB3	0.68	1.66	19	1
1:C:1927:PRO:HG3	2:B:54:ALA:HB1	0.67	1.65	8	1
2:A:72:PHE:CE1	2:B:84:MET:HA	0.67	2.24	5	3
2:A:50:THR:HB	2:A:55:PHE:HE2	0.67	1.50	3	4
2:A:13:VAL:HB	2:B:90:PHE:CD2	0.67	2.25	4	1
2:A:12:MET:SD	2:B:83:ALA:HB2	0.67	2.29	18	10
2:A:46:LEU:HB3	2:A:50:THR:OG1	0.67	1.90	17	8
2:A:63:ASP:HB3	2:A:66:ARG:HA	0.66	1.65	4	1
1:C:1928:PHE:C	1:C:1928:PHE:CD1	0.66	2.72	9	19
1:C:1912:ARG:HD2	1:C:1913:GLU:N	0.66	2.06	11	1
1:C:1928:PHE:HA	2:B:46:LEU:HA	0.66	1.67	10	10
2:A:63:ASP:OD2	2:A:66:ARG:HA	0.66	1.91	19	8
1:C:1917:LEU:HA	1:C:1920:LYS:CG	0.66	2.21	4	15
2:A:79:LEU:HD23	2:A:82:ILE:HD12	0.66	1.68	1	9
1:C:1917:LEU:HG	1:C:1920:LYS:HE3	0.66	1.67	15	4
1:C:1920:LYS:HE2	2:B:61:ASN:HA	0.66	1.67	20	1
2:A:62:LEU:HG	2:A:78:PHE:HB2	0.65	1.67	10	3
2:B:75:TYR:O	2:B:78:PHE:HB3	0.65	1.91	17	20
2:B:62:LEU:O	2:B:70:VAL:HG22	0.65	1.92	1	4
2:A:35:LYS:HA	2:A:55:PHE:CE2	0.65	2.27	16	14
2:A:72:PHE:CZ	2:B:87:ASN:HB2	0.65	2.27	10	1
1:C:1922:ARG:HD3	2:B:85:MET:SD	0.65	2.32	14	3
1:C:1910:MET:O	1:C:1914:VAL:HB	0.64	1.92	16	18
2:A:35:LYS:HA	2:A:55:PHE:CZ	0.64	2.28	10	15
1:C:1921:LEU:HA	1:C:1926:LEU:HD21	0.64	1.70	12	3

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
2:A:59:MET:HE3	2:A:70:VAL:HG23	0.64	1.68	10	7
1:C:1911:ASN:HA	1:C:1914:VAL:HG12	0.64	1.69	12	10
1:C:1904:THR:C	2:A:61:ASN:HB3	0.64	2.18	8	12
2:B:35:LYS:HA	2:B:55:PHE:CZ	0.63	2.28	1	1
2:A:6:GLU:HB2	2:B:41:GLU:O	0.63	1.94	5	16
2:A:84:MET:HA	2:B:72:PHE:CE2	0.63	2.29	3	6
2:A:43:PRO:HB2	2:A:48:LYS:HE3	0.63	1.71	16	1
2:B:34:LEU:HD11	2:B:70:VAL:HG21	0.62	1.69	17	2
1:C:1914:VAL:HG23	2:B:77:VAL:HG23	0.62	1.70	17	14
2:B:31:LYS:HG2	2:B:59:MET:HB2	0.62	1.69	9	11
1:C:1926:LEU:HB2	1:C:1927:PRO:HD2	0.62	1.71	12	3
1:C:1917:LEU:HG	2:B:81:CYS:SG	0.62	2.33	20	1
1:C:1917:LEU:HB3	2:B:81:CYS:SG	0.62	2.34	4	8
2:A:78:PHE:CE1	2:A:82:ILE:HD11	0.62	2.30	10	20
2:A:81:CYS:HA	2:A:84:MET:HE3	0.62	1.72	5	6
2:A:50:THR:HG23	2:A:54:ALA:HB3	0.62	1.70	7	1
2:A:75:TYR:O	2:A:78:PHE:HB3	0.62	1.95	11	19
1:C:1921:LEU:O	1:C:1926:LEU:HG	0.62	1.95	14	2
2:B:59:MET:CG	2:B:68:ASN:HA	0.62	2.25	3	3
2:A:50:THR:HB	2:A:55:PHE:HE1	0.61	1.55	18	9
2:A:72:PHE:CD2	2:B:87:ASN:HB2	0.61	2.31	12	3
1:C:1921:LEU:CD2	1:C:1926:LEU:HD21	0.61	2.25	7	2
2:A:5:LEU:HG	2:B:37:LEU:HD21	0.61	1.73	9	3
1:C:1917:LEU:HD23	1:C:1921:LEU:HG	0.61	1.73	16	7
2:A:76:CYS:HB3	2:B:80:SER:CB	0.61	2.25	11	8
1:C:1922:ARG:HD3	2:B:85:MET:CG	0.61	2.26	1	4
1:C:1899:GLU:HB2	2:A:85:MET:SD	0.61	2.36	10	11
1:C:1905:GLU:HA	2:A:61:ASN:HD22	0.61	1.56	9	1
1:C:1904:THR:O	2:A:61:ASN:HB3	0.60	1.96	4	19
1:C:1933:ARG:HA	2:B:90:PHE:HD1	0.60	1.57	10	1
1:C:1932:ARG:HD3	1:C:1932:ARG:H	0.60	1.55	14	1
1:C:1928:PHE:HA	2:B:46:LEU:O	0.59	1.97	15	8
1:C:1900:LEU:CG	2:A:58:LEU:HD13	0.59	2.27	20	19
2:B:62:LEU:HD12	2:B:78:PHE:HB2	0.59	1.73	17	6
2:A:80:SER:HB3	2:B:76:CYS:HB3	0.59	1.73	5	9
1:C:1911:ASN:HA	1:C:1914:VAL:CG1	0.59	2.27	12	9
1:C:1922:ARG:HD2	2:B:85:MET:SD	0.59	2.37	11	1
2:A:79:LEU:HD21	2:B:5:LEU:HD11	0.59	1.73	19	20
1:C:1927:PRO:CB	2:B:50:THR:HA	0.59	2.25	17	2
1:C:1920:LYS:NZ	2:B:61:ASN:HA	0.59	2.12	14	1
1:C:1917:LEU:O	1:C:1920:LYS:HG2	0.59	1.98	20	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
2:A:35:LYS:HA	2:A:55:PHE:CE1	0.59	2.33	8	5
1:C:1928:PHE:HB2	2:B:46:LEU:HA	0.59	1.72	9	3
2:A:34:LEU:HD11	2:A:70:VAL:HG21	0.58	1.75	17	12
2:A:38:LEU:HD22	2:A:46:LEU:HD21	0.58	1.73	10	6
2:A:50:THR:HG22	2:A:55:PHE:CD1	0.58	2.33	7	1
2:A:50:THR:HB	2:A:55:PHE:CE2	0.58	2.34	3	3
2:B:55:PHE:CZ	2:B:58:LEU:HD23	0.58	2.34	19	14
1:C:1926:LEU:HD23	2:B:61:ASN:CB	0.58	2.28	7	2
1:C:1911:ASN:O	1:C:1914:VAL:HG12	0.58	1.97	8	18
2:A:38:LEU:HA	2:A:42:LEU:HB2	0.58	1.76	13	8
2:A:12:MET:HG2	2:A:79:LEU:HD12	0.58	1.75	3	17
2:A:38:LEU:HB3	2:A:46:LEU:HD21	0.57	1.76	5	10
1:C:1912:ARG:HD2	1:C:1913:GLU:H	0.57	1.58	11	1
2:B:55:PHE:CE1	2:B:58:LEU:HD23	0.57	2.34	1	2
1:C:1917:LEU:HA	1:C:1920:LYS:HG3	0.57	1.75	2	1
1:C:1917:LEU:C	1:C:1917:LEU:HD23	0.57	2.25	14	4
2:A:5:LEU:HD23	2:B:15:THR:HB	0.57	1.77	16	5
1:C:1917:LEU:HD21	2:B:62:LEU:HD13	0.57	1.75	14	4
2:B:62:LEU:O	2:B:74:GLU:HG2	0.56	2.00	1	4
1:C:1899:GLU:H	1:C:1899:GLU:CD	0.56	2.09	10	8
1:C:1931:PRO:HG2	1:C:1933:ARG:O	0.56	2.00	14	4
1:C:1918:LYS:HB3	2:B:84:MET:HE3	0.56	1.76	18	2
2:B:30:ASN:HA	2:B:69:GLU:HA	0.56	1.77	15	4
2:B:3:CYS:HB2	2:B:6:GLU:HB3	0.56	1.77	12	4
1:C:1916:SER:O	1:C:1920:LYS:HG2	0.56	2.01	6	10
1:C:1900:LEU:HG	2:A:58:LEU:HD22	0.56	1.75	17	19
1:C:1922:ARG:HD3	2:B:85:MET:HG2	0.56	1.77	1	1
2:A:38:LEU:HA	2:A:42:LEU:HD13	0.56	1.78	4	14
2:B:67:ASP:O	2:B:68:ASN:HB2	0.56	1.99	2	6
2:A:76:CYS:HB2	2:B:80:SER:CB	0.56	2.27	20	4
1:C:1914:VAL:HG13	2:B:84:MET:HE1	0.56	1.77	10	7
2:B:38:LEU:HA	2:B:42:LEU:HB2	0.56	1.77	13	7
2:A:41:GLU:HG2	2:B:5:LEU:H	0.56	1.60	14	2
2:A:3:CYS:HB2	2:A:6:GLU:HB3	0.56	1.78	12	5
2:A:41:GLU:C	2:A:43:PRO:HD3	0.55	2.26	15	13
2:B:75:TYR:O	2:B:79:LEU:HD12	0.55	2.02	20	17
2:A:84:MET:HA	2:B:72:PHE:CZ	0.55	2.36	13	3
2:B:29:LEU:HD13	2:B:75:TYR:CD2	0.55	2.36	15	12
2:A:46:LEU:CD2	2:A:50:THR:HG21	0.55	2.23	20	10
2:B:77:VAL:HG22	2:B:81:CYS:HG	0.55	1.61	17	5
1:C:1930:VAL:HG11	2:B:86:CYS:SG	0.55	2.42	1	8

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
2:A:15:THR:HB	2:B:5:LEU:HD23	0.55	1.78	11	8
1:C:1917:LEU:HD23	1:C:1917:LEU:C	0.55	2.27	15	6
1:C:1927:PRO:HB3	2:B:54:ALA:HB3	0.55	1.77	9	2
1:C:1929:VAL:HG23	2:B:85:MET:SD	0.55	2.41	5	1
1:C:1917:LEU:HA	1:C:1920:LYS:HE3	0.54	1.77	1	2
2:B:35:LYS:O	2:B:39:THR:HG23	0.54	2.02	1	15
2:B:78:PHE:O	2:B:82:ILE:HG12	0.54	2.02	9	1
2:B:41:GLU:C	2:B:43:PRO:HD3	0.54	2.27	4	13
1:C:1926:LEU:HB2	1:C:1927:PRO:CD	0.54	2.32	12	1
2:A:4:PRO:HD2	2:B:41:GLU:HG2	0.54	1.79	13	1
1:C:1917:LEU:CD1	1:C:1920:LYS:HE3	0.54	2.30	13	3
2:A:42:LEU:N	2:A:43:PRO:HD3	0.54	2.17	1	13
2:A:47:GLY:O	2:A:48:LYS:HB2	0.54	2.03	8	3
2:A:38:LEU:HD13	2:A:55:PHE:HE1	0.54	1.62	3	3
2:A:41:GLU:HB3	2:B:5:LEU:HB3	0.54	1.80	14	5
1:C:1917:LEU:HD23	2:B:77:VAL:HG22	0.54	1.80	13	3
2:B:74:GLU:HA	2:B:77:VAL:HG12	0.54	1.80	4	9
2:A:38:LEU:HD13	2:A:55:PHE:CE2	0.54	2.38	14	9
2:B:51:ASP:O	2:B:55:PHE:HB2	0.54	2.02	11	5
2:B:12:MET:SD	2:B:79:LEU:HD13	0.54	2.43	13	6
2:B:87:ASN:HD22	2:B:88:GLU:N	0.54	2.01	7	1
2:B:84:MET:O	2:B:87:ASN:HB3	0.54	2.02	12	4
1:C:1928:PHE:O	1:C:1929:VAL:HG13	0.53	2.03	9	10
2:A:63:ASP:CB	2:A:66:ARG:HD2	0.53	2.33	4	1
1:C:1908:ASP:O	1:C:1912:ARG:HD3	0.53	2.02	7	1
1:C:1930:VAL:HG11	2:B:86:CYS:CB	0.53	2.34	9	8
2:A:8:ALA:O	2:A:12:MET:HG3	0.53	2.03	19	10
1:C:1917:LEU:HG	2:B:77:VAL:HG22	0.53	1.80	8	2
2:B:11:VAL:HA	2:B:14:SER:HB2	0.53	1.81	18	1
2:B:29:LEU:HB3	2:B:33:GLU:HB2	0.53	1.79	5	2
2:B:78:PHE:O	2:B:82:ILE:HG13	0.53	2.04	8	1
1:C:1928:PHE:HB2	2:B:46:LEU:HD22	0.53	1.80	5	7
1:C:1900:LEU:HD13	2:A:85:MET:CE	0.53	2.34	14	7
2:A:42:LEU:HD11	2:B:5:LEU:HD12	0.53	1.80	5	8
1:C:1921:LEU:HD23	2:B:61:ASN:HB3	0.53	1.80	14	1
2:B:62:LEU:HG	2:B:78:PHE:HD2	0.53	1.64	20	2
1:C:1918:LYS:HB2	2:B:81:CYS:HA	0.53	1.81	1	5
2:B:42:LEU:N	2:B:43:PRO:HD3	0.53	2.18	5	13
1:C:1931:PRO:HD3	2:B:45:PHE:HA	0.53	1.80	5	2
1:C:1914:VAL:HA	2:B:77:VAL:CG2	0.52	2.35	20	10
2:A:83:ALA:CB	2:B:12:MET:SD	0.52	2.95	2	10

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
2:A:62:LEU:HD23	2:A:70:VAL:HG21	0.52	1.81	11	12
1:C:1921:LEU:HA	1:C:1926:LEU:CD2	0.52	2.34	7	2
2:A:73:GLN:HE21	2:A:73:GLN:HA	0.52	1.63	8	1
2:A:4:PRO:O	2:B:11:VAL:HG21	0.52	2.05	14	13
2:B:62:LEU:HG	2:B:78:PHE:CD2	0.52	2.40	17	2
2:B:8:ALA:O	2:B:12:MET:HG3	0.52	2.03	19	10
2:B:31:LYS:HG2	2:B:59:MET:CB	0.52	2.35	12	6
1:C:1927:PRO:HB3	2:B:54:ALA:HB1	0.52	1.81	15	1
1:C:1903:ALA:HA	2:A:85:MET:HB2	0.52	1.81	16	1
1:C:1901:GLU:O	1:C:1905:GLU:HB2	0.52	2.05	1	15
2:A:58:LEU:O	2:A:62:LEU:HB2	0.52	2.05	8	5
1:C:1903:ALA:HB2	2:A:85:MET:CE	0.52	2.35	16	5
1:C:1926:LEU:HD23	2:B:61:ASN:HB2	0.52	1.82	8	2
2:A:28:LYS:HB3	2:A:69:GLU:HB3	0.52	1.81	9	1
2:A:11:VAL:HA	2:A:14:SER:HB2	0.52	1.80	18	1
2:B:86:CYS:SG	2:B:90:PHE:HB3	0.52	2.45	7	2
2:A:29:LEU:HB3	2:A:33:GLU:HB2	0.52	1.80	5	2
1:C:1917:LEU:HD23	1:C:1917:LEU:O	0.51	2.05	2	7
2:A:35:LYS:O	2:A:39:THR:HG23	0.51	2.04	1	14
2:A:38:LEU:HB3	2:A:46:LEU:HD11	0.51	1.80	18	4
2:A:82:ILE:HB	2:B:9:LEU:HG	0.51	1.83	15	1
2:A:56:GLN:O	2:A:60:SER:HB2	0.51	2.05	19	1
2:A:62:LEU:O	2:A:74:GLU:HB3	0.51	2.05	6	5
2:B:35:LYS:HB2	2:B:55:PHE:CE2	0.51	2.39	2	5
2:A:28:LYS:HA	2:A:70:VAL:O	0.51	2.04	4	1
1:C:1922:ARG:HG2	2:B:85:MET:HG3	0.51	1.81	15	1
1:C:1903:ALA:HB2	2:A:85:MET:HE2	0.51	1.83	15	2
1:C:1922:ARG:HD2	2:B:85:MET:CG	0.51	2.32	3	1
2:B:74:GLU:HA	2:B:77:VAL:CG1	0.51	2.35	17	5
1:C:1927:PRO:HB3	2:B:54:ALA:CB	0.51	2.36	15	5
2:A:6:GLU:HA	2:B:45:PHE:HE2	0.51	1.66	18	2
1:C:1921:LEU:CA	1:C:1926:LEU:HG	0.51	2.34	19	1
1:C:1928:PHE:HD1	2:B:45:PHE:O	0.51	1.88	14	12
1:C:1930:VAL:HG21	2:B:86:CYS:HB2	0.51	1.80	1	3
2:A:81:CYS:HA	2:A:84:MET:CE	0.51	2.35	5	9
2:B:57:LYS:O	2:B:61:ASN:HB2	0.51	2.06	19	2
2:B:28:LYS:HG3	2:B:69:GLU:HB2	0.51	1.81	18	1
1:C:1918:LYS:CB	2:B:84:MET:HE3	0.50	2.36	15	7
1:C:1914:VAL:HG22	2:B:84:MET:HE1	0.50	1.82	6	5
2:A:5:LEU:HD12	2:B:42:LEU:HD21	0.50	1.82	14	10
1:C:1913:GLU:HG3	2:B:77:VAL:HG21	0.50	1.83	19	4

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:C:1921:LEU:HD23	2:B:61:ASN:CB	0.50	2.36	14	1
1:C:1930:VAL:HG11	2:B:86:CYS:HB2	0.50	1.84	14	1
1:C:1917:LEU:CA	1:C:1920:LYS:HG2	0.50	2.34	14	1
1:C:1917:LEU:C	1:C:1917:LEU:CD1	0.50	2.84	20	1
1:C:1927:PRO:HA	2:B:48:LYS:HE3	0.50	1.84	9	1
1:C:1918:LYS:O	1:C:1922:ARG:HB2	0.50	2.07	3	1
2:B:30:ASN:ND2	2:B:33:GLU:HG2	0.50	2.22	18	8
2:A:62:LEU:HD21	2:A:78:PHE:CD1	0.50	2.42	20	2
2:A:50:THR:HB	2:A:55:PHE:CE1	0.49	2.42	10	4
2:A:38:LEU:HD13	2:A:55:PHE:CE1	0.49	2.42	3	5
2:B:7:LYS:O	2:B:11:VAL:HG13	0.49	2.07	4	20
2:B:38:LEU:HA	2:B:42:LEU:HD13	0.49	1.84	17	9
2:A:57:LYS:O	2:A:57:LYS:HD3	0.49	2.06	17	1
1:C:1921:LEU:HA	1:C:1926:LEU:CG	0.49	2.33	15	9
2:B:31:LYS:HE2	2:B:68:ASN:OD1	0.49	2.07	4	1
2:A:14:SER:O	2:A:18:LYS:HG3	0.49	2.07	7	1
2:B:18:LYS:HD2	2:B:19:TYR:CE2	0.49	2.42	9	1
1:C:1931:PRO:C	1:C:1933:ARG:H	0.49	2.15	2	1
1:C:1914:VAL:CB	2:B:77:VAL:HG23	0.49	2.37	12	1
1:C:1933:ARG:H	2:B:89:PHE:HB3	0.49	1.67	17	1
1:C:1912:ARG:N	1:C:1912:ARG:HD2	0.49	2.23	20	1
1:C:1921:LEU:HD13	1:C:1928:PHE:CZ	0.49	2.43	4	4
1:C:1920:LYS:HB2	2:B:61:ASN:OD1	0.49	2.08	8	2
2:B:77:VAL:HG22	2:B:81:CYS:SG	0.49	2.47	15	5
1:C:1921:LEU:HB3	1:C:1926:LEU:CD1	0.49	2.38	19	1
2:A:30:ASN:ND2	2:A:33:GLU:HG2	0.49	2.23	18	7
1:C:1933:ARG:HA	2:B:90:PHE:CD1	0.49	2.43	14	1
1:C:1914:VAL:HG21	2:B:80:SER:HB2	0.49	1.83	18	1
2:B:31:LYS:NZ	2:B:56:GLN:HA	0.49	2.23	18	1
2:A:9:LEU:HG	2:B:82:ILE:CG2	0.49	2.38	5	3
2:B:54:ALA:O	2:B:57:LYS:HB2	0.49	2.08	6	1
2:B:51:ASP:H	2:B:54:ALA:HB3	0.49	1.68	8	1
2:B:28:LYS:HG3	2:B:69:GLU:HB3	0.49	1.85	11	1
2:A:7:LYS:HA	2:A:10:ASP:HB3	0.49	1.85	14	2
2:A:79:LEU:HD22	2:B:9:LEU:HD11	0.48	1.84	20	3
2:B:77:VAL:HA	2:B:80:SER:OG	0.48	2.07	6	6
2:A:84:MET:SD	2:B:73:GLN:HG3	0.48	2.48	3	1
1:C:1915:SER:O	1:C:1918:LYS:HE2	0.48	2.08	19	3
2:B:7:LYS:HA	2:B:10:ASP:HB3	0.48	1.85	14	2
1:C:1910:MET:HE1	2:B:76:CYS:HB2	0.48	1.84	8	9
1:C:1927:PRO:CG	2:B:54:ALA:HB1	0.48	2.38	8	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
2:B:73:GLN:O	2:B:77:VAL:HG12	0.48	2.08	17	11
2:A:15:THR:CB	2:B:5:LEU:HD23	0.48	2.38	9	7
2:B:14:SER:O	2:B:18:LYS:HG3	0.48	2.07	7	1
1:C:1903:ALA:O	2:A:81:CYS:HB3	0.48	2.07	13	2
1:C:1921:LEU:CB	1:C:1926:LEU:HD11	0.48	2.37	14	1
1:C:1917:LEU:CG	2:B:81:CYS:SG	0.48	3.02	20	1
2:A:34:LEU:O	2:A:38:LEU:HD12	0.48	2.09	13	14
2:A:11:VAL:HA	2:A:14:SER:HB3	0.48	1.84	19	3
1:C:1921:LEU:HD23	2:B:61:ASN:HD22	0.48	1.67	5	1
2:B:36:GLU:HA	2:B:39:THR:OG1	0.48	2.09	5	2
1:C:1922:ARG:NH1	1:C:1929:VAL:HB	0.48	2.22	9	1
2:B:55:PHE:CE2	2:B:58:LEU:HD23	0.48	2.44	10	11
2:A:72:PHE:CD2	2:B:87:ASN:HB3	0.48	2.43	7	1
2:A:87:ASN:HB2	2:B:13:VAL:HG11	0.48	1.85	7	3
1:C:1932:ARG:H	1:C:1932:ARG:HD2	0.48	1.68	8	1
2:A:71:ASP:OD1	2:A:73:GLN:HG2	0.48	2.08	16	2
2:A:50:THR:HG22	2:A:54:ALA:HB3	0.48	1.85	1	1
1:C:1914:VAL:O	1:C:1918:LYS:HB3	0.48	2.08	15	2
2:B:31:LYS:HZ2	2:B:56:GLN:HA	0.48	1.69	18	1
2:A:29:LEU:HB3	2:A:34:LEU:HG	0.48	1.84	6	3
2:A:4:PRO:HB3	2:B:11:VAL:CG1	0.48	2.39	18	11
1:C:1899:GLU:CD	1:C:1899:GLU:H	0.48	2.17	4	1
2:B:63:ASP:HA	2:B:74:GLU:HG2	0.48	1.85	20	3
2:B:34:LEU:O	2:B:38:LEU:HD12	0.47	2.09	19	13
1:C:1917:LEU:CD2	1:C:1920:LYS:HE3	0.47	2.38	8	3
1:C:1926:LEU:HD21	2:B:61:ASN:HD22	0.47	1.69	13	2
2:A:7:LYS:O	2:A:11:VAL:HG13	0.47	2.09	4	20
2:B:11:VAL:HA	2:B:14:SER:HB3	0.47	1.85	15	3
1:C:1917:LEU:HD12	1:C:1920:LYS:HG3	0.47	1.85	13	3
1:C:1911:ASN:CA	1:C:1914:VAL:HG12	0.47	2.40	12	1
1:C:1931:PRO:HG3	2:B:44:SER:O	0.47	2.09	13	1
2:A:72:PHE:CZ	2:B:84:MET:HA	0.47	2.44	10	2
2:B:87:ASN:HD22	2:B:87:ASN:C	0.47	2.17	7	1
2:A:72:PHE:CE2	2:B:87:ASN:HB2	0.47	2.45	9	3
1:C:1913:GLU:O	1:C:1917:LEU:N	0.47	2.45	5	6
1:C:1932:ARG:HA	2:B:89:PHE:CZ	0.47	2.43	13	1
2:A:67:ASP:O	2:A:68:ASN:HB2	0.47	2.08	20	1
2:B:29:LEU:HB3	2:B:34:LEU:HG	0.47	1.86	6	2
2:A:47:GLY:O	2:A:48:LYS:HG2	0.47	2.09	14	1
2:A:20:SER:HB3	2:A:29:LEU:CG	0.47	2.32	17	3
2:A:19:TYR:CE1	2:A:36:GLU:HB3	0.47	2.45	5	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:C:1917:LEU:O	1:C:1921:LEU:HG	0.47	2.09	12	3
1:C:1913:GLU:O	1:C:1917:LEU:HB2	0.47	2.09	18	1
2:A:76:CYS:CB	2:B:80:SER:HB2	0.47	2.40	5	1
1:C:1903:ALA:HB1	2:A:85:MET:HB2	0.47	1.86	14	1
2:A:79:LEU:CD2	2:B:5:LEU:HD11	0.47	2.40	9	5
2:B:59:MET:HG2	2:B:68:ASN:HA	0.47	1.85	3	1
2:A:63:ASP:HB3	2:A:66:ARG:HD2	0.47	1.85	4	1
2:A:36:GLU:HA	2:A:39:THR:OG1	0.47	2.10	5	2
2:A:18:LYS:HD2	2:A:19:TYR:CE2	0.47	2.45	9	1
2:A:34:LEU:HD12	2:A:59:MET:SD	0.47	2.50	12	1
2:B:53:ALA:O	2:B:56:GLN:HG2	0.47	2.09	2	1
2:A:62:LEU:HD11	2:A:78:PHE:CB	0.46	2.39	11	3
2:A:38:LEU:HA	2:A:42:LEU:CD1	0.46	2.40	14	2
2:B:28:LYS:HE2	2:B:69:GLU:HG3	0.46	1.87	15	1
2:B:20:SER:CB	2:B:29:LEU:HG	0.46	2.31	17	1
2:A:41:GLU:HB3	2:B:5:LEU:CB	0.46	2.40	3	3
2:A:38:LEU:HD13	2:A:55:PHE:HE2	0.46	1.68	11	3
1:C:1900:LEU:HD13	2:A:85:MET:HE1	0.46	1.87	14	1
1:C:1904:THR:O	1:C:1907:ALA:HB3	0.46	2.10	6	5
2:A:35:LYS:HG3	2:A:55:PHE:CE2	0.46	2.46	15	2
1:C:1930:VAL:HG12	1:C:1931:PRO:O	0.46	2.10	15	2
1:C:1926:LEU:HD23	2:B:61:ASN:ND2	0.46	2.24	12	1
2:A:5:LEU:HD12	2:B:42:LEU:HD11	0.46	1.86	5	4
2:A:82:ILE:HB	2:B:9:LEU:CD1	0.46	2.40	12	3
2:A:72:PHE:CD1	2:A:72:PHE:C	0.46	2.94	2	2
2:A:65:ASN:OD1	2:A:67:ASP:HB2	0.46	2.10	5	1
2:B:88:GLU:HG3	2:B:89:PHE:HD1	0.46	1.71	9	1
2:B:83:ALA:O	2:B:86:CYS:HB3	0.46	2.11	12	2
2:B:28:LYS:CG	2:B:69:GLU:HB2	0.46	2.41	13	2
2:A:63:ASP:CG	2:A:68:ASN:H	0.46	2.19	13	6
1:C:1917:LEU:HA	1:C:1920:LYS:HE2	0.46	1.86	3	1
2:A:76:CYS:SG	2:A:77:VAL:HG13	0.46	2.51	6	4
2:A:79:LEU:O	2:B:9:LEU:HD12	0.46	2.10	7	2
2:B:55:PHE:HA	2:B:58:LEU:HB3	0.46	1.86	16	2
2:A:63:ASP:HB2	2:A:66:ARG:HH11	0.46	1.71	4	1
1:C:1932:ARG:HD2	1:C:1932:ARG:N	0.46	2.25	8	1
1:C:1921:LEU:HA	1:C:1926:LEU:CD1	0.46	2.41	18	4
1:C:1917:LEU:HA	1:C:1920:LYS:CE	0.46	2.41	3	2
1:C:1926:LEU:HD13	2:B:58:LEU:HD13	0.45	1.89	19	1
2:B:46:LEU:C	2:B:48:LYS:H	0.45	2.20	7	11
2:A:42:LEU:HD21	2:B:5:LEU:HD12	0.45	1.88	15	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
2:A:80:SER:OG	2:B:80:SER:HB3	0.45	2.12	6	3
1:C:1910:MET:HA	1:C:1913:GLU:HG2	0.45	1.88	17	1
2:A:41:GLU:O	2:B:6:GLU:HB2	0.45	2.12	6	5
2:B:13:VAL:HG12	2:B:72:PHE:CZ	0.45	2.46	7	3
2:A:37:LEU:HD11	2:A:75:TYR:OH	0.45	2.11	12	2
2:B:42:LEU:HB3	2:B:45:PHE:HD2	0.45	1.72	15	2
1:C:1922:ARG:NE	1:C:1922:ARG:HA	0.45	2.24	11	1
1:C:1903:ALA:HB2	2:A:85:MET:HG3	0.45	1.87	10	2
2:B:35:LYS:HB2	2:B:55:PHE:CZ	0.45	2.47	10	1
2:A:46:LEU:HD13	2:A:50:THR:OG1	0.45	2.11	20	1
2:A:74:GLU:HA	2:A:77:VAL:HG22	0.45	1.87	8	1
2:A:16:PHE:CZ	2:A:72:PHE:HD1	0.45	2.30	18	1
2:B:13:VAL:HG12	2:B:72:PHE:HZ	0.45	1.72	2	3
2:A:12:MET:HG2	2:A:79:LEU:CD1	0.45	2.42	4	1
2:A:76:CYS:HB3	2:B:84:MET:HB2	0.45	1.87	16	2
1:C:1932:ARG:C	1:C:1933:ARG:HD2	0.45	2.37	11	1
2:A:20:SER:CB	2:A:29:LEU:HG	0.45	2.30	17	1
2:B:75:TYR:CE1	2:B:79:LEU:HD11	0.45	2.47	10	3
1:C:1926:LEU:HD22	2:B:58:LEU:CD1	0.45	2.38	12	1
2:B:86:CYS:SG	2:B:90:PHE:HB2	0.45	2.52	15	1
2:B:83:ALA:O	2:B:86:CYS:HB2	0.45	2.12	18	1
2:A:38:LEU:HD11	2:A:78:PHE:CZ	0.44	2.47	14	1
2:A:82:ILE:HG23	2:A:85:MET:SD	0.44	2.52	5	4
2:A:19:TYR:CD1	2:A:36:GLU:HB3	0.44	2.48	4	1
2:A:28:LYS:HD2	2:A:69:GLU:O	0.44	2.12	11	1
1:C:1907:ALA:CA	2:A:81:CYS:SG	0.44	3.05	15	9
2:A:73:GLN:NE2	2:B:84:MET:SD	0.44	2.91	7	1
1:C:1928:PHE:HD2	2:B:58:LEU:HD11	0.44	1.72	17	2
2:B:20:SER:HB3	2:B:29:LEU:CG	0.44	2.32	17	3
2:A:71:ASP:HB3	2:A:74:GLU:HG2	0.44	1.89	17	1
1:C:1932:ARG:HA	2:B:89:PHE:CB	0.44	2.40	9	1
1:C:1914:VAL:CG2	2:B:77:VAL:HG23	0.44	2.41	5	2
2:A:52:GLU:O	2:A:56:GLN:HB2	0.44	2.13	8	1
1:C:1927:PRO:HD2	2:B:58:LEU:HD13	0.44	1.89	9	1
2:A:35:LYS:HG3	2:A:55:PHE:CE1	0.44	2.47	11	1
2:B:35:LYS:HA	2:B:55:PHE:HZ	0.44	1.69	1	1
1:C:1911:ASN:HD21	2:A:73:GLN:HG3	0.44	1.73	3	1
2:B:42:LEU:N	2:B:42:LEU:HD12	0.44	2.28	4	1
1:C:1918:LYS:CG	2:B:84:MET:HE3	0.44	2.43	15	2
1:C:1909:ALA:O	1:C:1912:ARG:HG3	0.44	2.12	11	1
1:C:1918:LYS:HE3	1:C:1919:ASN:CA	0.44	2.43	18	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
2:B:62:LEU:CG	2:B:78:PHE:HD2	0.44	2.25	20	1
2:A:9:LEU:HD22	2:A:9:LEU:H	0.43	1.73	8	3
2:A:41:GLU:OE1	2:B:5:LEU:HB2	0.43	2.12	10	2
1:C:1908:ASP:O	1:C:1912:ARG:HG2	0.43	2.13	13	1
2:A:87:ASN:HB2	2:B:72:PHE:CE2	0.43	2.48	17	1
2:B:59:MET:SD	2:B:68:ASN:HA	0.43	2.53	17	1
2:B:68:ASN:HD22	2:B:68:ASN:N	0.43	2.11	17	1
1:C:1904:THR:HG21	2:A:62:LEU:HD13	0.43	1.90	2	2
1:C:1908:ASP:HB2	2:A:66:ARG:HH22	0.43	1.74	2	1
2:B:81:CYS:O	2:B:85:MET:N	0.43	2.49	5	1
2:A:6:GLU:HG3	2:B:45:PHE:CE2	0.43	2.48	5	1
2:B:71:ASP:CG	2:B:72:PHE:H	0.43	2.21	7	1
2:B:42:LEU:HB3	2:B:45:PHE:HB2	0.43	1.89	19	1
1:C:1922:ARG:HA	1:C:1922:ARG:HE	0.43	1.74	11	1
1:C:1910:MET:O	1:C:1914:VAL:N	0.43	2.51	14	3
2:A:15:THR:O	2:A:18:LYS:HB3	0.43	2.13	15	1
1:C:1917:LEU:HD12	2:B:77:VAL:HG22	0.43	1.90	5	1
2:B:31:LYS:HE3	2:B:68:ASN:OD1	0.43	2.12	7	1
2:B:20:SER:HB3	2:B:29:LEU:CD1	0.43	2.43	8	4
1:C:1920:LYS:HZ2	2:B:61:ASN:HA	0.43	1.72	14	1
2:A:13:VAL:HB	2:B:90:PHE:CE2	0.43	2.47	4	1
1:C:1918:LYS:CA	2:B:81:CYS:SG	0.43	3.03	10	1
1:C:1932:ARG:O	1:C:1933:ARG:HB2	0.43	2.14	13	1
1:C:1928:PHE:CD1	1:C:1928:PHE:C	0.43	2.97	18	1
1:C:1904:THR:HA	1:C:1907:ALA:HB2	0.43	1.91	8	1
2:A:16:PHE:CZ	2:A:72:PHE:CD1	0.43	3.07	10	1
1:C:1907:ALA:HB1	2:A:77:VAL:HG23	0.43	1.91	6	2
2:A:82:ILE:O	2:A:86:CYS:N	0.43	2.51	2	2
2:A:82:ILE:HG23	2:A:85:MET:CE	0.43	2.44	10	2
2:B:80:SER:O	2:B:84:MET:HB3	0.43	2.14	7	2
1:C:1917:LEU:HD12	2:B:81:CYS:CB	0.43	2.44	8	1
2:A:80:SER:HA	2:B:12:MET:HE1	0.43	1.91	10	1
2:B:42:LEU:HD12	2:B:42:LEU:N	0.43	2.29	17	2
1:C:1909:ALA:O	1:C:1912:ARG:HD3	0.43	2.14	12	1
1:C:1918:LYS:O	1:C:1922:ARG:HG2	0.43	2.13	13	1
1:C:1910:MET:HG3	2:B:77:VAL:HB	0.42	1.90	1	1
1:C:1917:LEU:HD22	2:B:81:CYS:CB	0.42	2.44	1	2
2:B:77:VAL:O	2:B:81:CYS:SG	0.42	2.77	20	4
1:C:1917:LEU:C	1:C:1917:LEU:CD2	0.42	2.92	2	2
1:C:1922:ARG:HH12	2:B:88:GLU:CD	0.42	2.22	10	1
1:C:1921:LEU:CD2	1:C:1926:LEU:HD11	0.42	2.41	13	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
2:A:46:LEU:HB3	2:A:50:THR:CG2	0.42	2.45	19	2
2:A:13:VAL:HB	2:B:90:PHE:CG	0.42	2.48	4	1
2:A:72:PHE:CE2	2:B:84:MET:CA	0.42	3.03	13	1
1:C:1899:GLU:HG3	2:A:85:MET:SD	0.42	2.54	20	1
1:C:1917:LEU:HD12	2:B:81:CYS:HB2	0.42	1.91	8	1
2:A:62:LEU:CG	2:A:78:PHE:HB2	0.42	2.41	10	1
1:C:1928:PHE:HA	2:B:46:LEU:CA	0.42	2.42	10	1
2:A:73:GLN:HB2	2:A:74:GLU:OE2	0.42	2.15	8	1
1:C:1900:LEU:CD1	2:A:58:LEU:HD13	0.42	2.44	20	2
2:B:35:LYS:CA	2:B:55:PHE:CZ	0.42	3.02	1	1
2:A:4:PRO:HB3	2:B:11:VAL:HG11	0.42	1.90	8	1
2:B:38:LEU:HA	2:B:42:LEU:CD1	0.42	2.44	14	1
1:C:1917:LEU:HD11	2:B:62:LEU:CD1	0.42	2.45	20	1
1:C:1932:ARG:N	1:C:1932:ARG:HD2	0.41	2.30	7	1
2:A:5:LEU:HD23	2:B:15:THR:CB	0.41	2.45	16	1
2:B:31:LYS:HA	2:B:55:PHE:CE1	0.41	2.50	16	1
1:C:1911:ASN:HB2	2:A:77:VAL:HG11	0.41	1.92	13	3
2:B:48:LYS:O	2:B:49:ARG:HB2	0.41	2.14	20	2
2:B:62:LEU:CD1	2:B:78:PHE:HB2	0.41	2.45	10	2
2:A:58:LEU:HD11	2:A:78:PHE:CE1	0.41	2.49	14	1
2:A:62:LEU:HD11	2:A:78:PHE:HA	0.41	1.92	3	1
2:B:19:TYR:CD1	2:B:36:GLU:HB3	0.41	2.50	4	1
2:A:64:SER:HA	2:A:66:ARG:CZ	0.41	2.45	10	1
2:A:65:ASN:HD22	2:A:66:ARG:N	0.41	2.13	7	1
2:A:7:LYS:O	2:A:11:VAL:HG22	0.41	2.16	14	2
2:A:62:LEU:HD11	2:A:78:PHE:CD1	0.41	2.49	15	1
1:C:1926:LEU:CD2	2:B:61:ASN:HD22	0.41	2.29	1	1
2:B:54:ALA:HA	2:B:57:LYS:HD2	0.41	1.92	2	1
1:C:1921:LEU:HD22	1:C:1926:LEU:CD2	0.41	2.42	8	1
2:A:42:LEU:HD12	2:A:42:LEU:N	0.41	2.31	10	1
2:B:76:CYS:O	2:B:79:LEU:HB2	0.41	2.15	17	1
2:A:57:LYS:HA	2:A:57:LYS:HE2	0.41	1.93	18	1
2:A:29:LEU:HD13	2:A:75:TYR:CD2	0.41	2.51	6	1
1:C:1918:LYS:HA	2:B:81:CYS:HB3	0.41	1.93	7	1
2:A:65:ASN:HD22	2:A:65:ASN:C	0.41	2.24	7	1
2:A:62:LEU:HD11	2:A:78:PHE:HB2	0.41	1.91	11	1
2:A:4:PRO:HB2	2:B:41:GLU:OE1	0.41	2.15	12	1
2:B:70:VAL:CG1	2:B:75:TYR:HB2	0.41	2.46	17	1
2:B:87:ASN:ND2	2:B:88:GLU:H	0.41	2.14	17	1
1:C:1917:LEU:C	1:C:1917:LEU:HD12	0.41	2.40	20	1
2:A:63:ASP:O	2:A:66:ARG:HD3	0.41	2.16	6	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
2:B:9:LEU:HD22	2:B:9:LEU:H	0.41	1.75	8	1
1:C:1922:ARG:HB2	2:B:85:MET:HG3	0.41	1.92	11	1
2:B:7:LYS:O	2:B:11:VAL:HG22	0.41	2.16	14	1
2:A:51:ASP:CG	2:A:52:GLU:H	0.41	2.23	18	1
1:C:1912:ARG:HH12	2:A:64:SER:CB	0.41	2.28	20	1
2:A:46:LEU:HD22	2:A:50:THR:CG2	0.41	2.29	2	1
2:A:33:GLU:HA	2:A:33:GLU:OE1	0.41	2.15	5	1
2:A:38:LEU:CB	2:A:46:LEU:HD11	0.41	2.46	9	1
2:B:88:GLU:HG3	2:B:89:PHE:CD1	0.41	2.50	9	1
2:B:33:GLU:OE1	2:B:33:GLU:HA	0.40	2.16	5	1
2:A:20:SER:HB3	2:A:29:LEU:CD1	0.40	2.46	14	2
2:A:36:GLU:O	2:A:40:ARG:HG2	0.40	2.16	10	1
2:B:16:PHE:CE2	2:B:75:TYR:CD1	0.40	3.09	10	1
2:A:15:THR:HA	2:A:18:LYS:CG	0.40	2.47	1	1
1:C:1912:ARG:NH2	2:A:64:SER:HB2	0.40	2.31	2	1
2:A:13:VAL:HG12	2:A:72:PHE:CE2	0.40	2.51	2	1
1:C:1901:GLU:HA	2:A:57:LYS:HG2	0.40	1.92	4	1
1:C:1910:MET:CG	2:A:77:VAL:HG12	0.40	2.45	5	1
2:A:50:THR:HG22	2:A:55:PHE:CE1	0.40	2.51	7	1
1:C:1916:SER:O	1:C:1919:ASN:HB3	0.40	2.16	16	1
2:B:50:THR:HB	2:B:55:PHE:CE2	0.40	2.52	1	1
2:A:82:ILE:HG23	2:A:85:MET:HE3	0.40	1.93	3	2
2:A:38:LEU:CD2	2:A:46:LEU:HD21	0.40	2.46	5	1
2:B:32:SER:O	2:B:35:LYS:HB3	0.40	2.17	5	1
2:B:62:LEU:HG	2:B:78:PHE:CD1	0.40	2.51	11	1
2:A:13:VAL:O	2:A:16:PHE:HB3	0.40	2.17	14	1
2:A:32:SER:O	2:A:35:LYS:HB3	0.40	2.17	5	1
1:C:1911:ASN:CB	2:A:77:VAL:HG11	0.40	2.46	8	1
1:C:1912:ARG:HD3	1:C:1913:GLU:N	0.40	2.31	12	1
2:A:6:GLU:HA	2:B:45:PHE:CE2	0.40	2.51	13	1
1:C:1918:LYS:HB2	2:B:81:CYS:CA	0.40	2.46	1	1
2:B:19:TYR:CE1	2:B:36:GLU:HB3	0.40	2.52	5	1
2:B:78:PHE:O	2:B:81:CYS:HB3	0.40	2.17	13	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	C	32/39 (82%)	28±1 (87±3%)	4±1 (12±3%)	0±1 (1±2%)	23 72
2	A	81/113 (72%)	70±2 (86±2%)	11±2 (13±2%)	0±1 (1±1%)	23 72
2	B	83/113 (73%)	71±2 (85±2%)	12±2 (14±2%)	1±1 (1±1%)	16 66
All	All	3920/5300 (74%)	3365 (86%)	527 (13%)	28 (1%)	20 70

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

Mol	Chain	Res	Type	Models (Total)
2	B	49	ARG	7
2	B	47	GLY	6
2	A	63	ASP	5
2	A	48	LYS	4
2	B	68	ASN	2
1	C	1932	ARG	1
1	C	1933	ARG	1
1	C	1899	GLU	1
1	C	1927	PRO	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	C	29/34 (85%)	23±1 (81±3%)	6±1 (19±3%)	3 34
2	A	74/102 (73%)	67±1 (91±2%)	7±1 (9±2%)	11 56
2	B	76/102 (75%)	69±1 (91±2%)	7±1 (9±2%)	12 58
All	All	3580/4760 (75%)	3201 (89%)	379 (11%)	9 52

All 52 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	C	1906	THR	20
1	C	1928	PHE	20

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Mol	Chain	Res	Type	Models (Total)
2	A	5	LEU	20
2	B	5	LEU	20
2	B	79	LEU	20
1	C	1918	LYS	19
2	A	50	THR	19
2	A	57	LYS	19
2	B	38	LEU	19
1	C	1926	LEU	18
2	A	38	LEU	17
1	C	1899	GLU	17
2	A	74	GLU	16
2	B	9	LEU	13
2	A	9	LEU	11
2	B	68	ASN	8
2	A	7	LYS	7
2	B	7	LYS	7
2	A	41	GLU	6
2	B	41	GLU	6
1	C	1914	VAL	5
2	B	55	PHE	5
2	B	81	CYS	5
1	C	1917	LEU	4
2	A	28	LYS	4
2	B	28	LYS	4
2	B	85	MET	3
2	A	66	ARG	3
2	B	70	VAL	3
2	B	80	SER	3
1	C	1922	ARG	3
2	A	16	PHE	3
2	A	48	LYS	3
2	B	16	PHE	3
2	B	87	ASN	3
2	A	62	LEU	2
2	B	74	GLU	2
2	B	82	ILE	2
1	C	1900	LEU	2
2	B	48	LYS	2
1	C	1912	ARG	2
1	C	1920	LYS	1
2	A	59	MET	1
2	B	61	ASN	1

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Mol	Chain	Res	Type	Models (Total)
2	A	6	GLU	1
2	A	65	ASN	1
2	B	6	GLU	1
2	A	73	GLN	1
2	B	65	ASN	1
2	B	69	GLU	1
2	A	76	CYS	1
2	A	85	MET	1

6.3.3 RNA

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates

There are no oligosaccharides in this entry.

6.6 Ligand geometry

There are no ligands in this entry.

6.7 Other polymers

There are no such molecules in this entry.

6.8 Polymer linkage issues

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 46% for the well-defined parts and 45% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *S100A4_chain_A*

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	1270
Number of shifts mapped to atoms	1270
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	1

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	100	-0.71 ± 0.13	Should be checked
$^{13}C_{\beta}$	96	0.21 ± 0.14	None needed (< 0.5 ppm)
$^{13}C'$	98	-0.39 ± 0.10	None needed (< 0.5 ppm)
^{15}N	96	0.50 ± 0.36	None needed (< 0.5 ppm)

7.1.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 38%, i.e. 1025 atoms were assigned a chemical shift out of a possible 2701. 0 out of 37 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	401/972 (41%)	162/390 (42%)	160/392 (41%)	79/190 (42%)
Sidechain	562/1547 (36%)	382/999 (38%)	174/486 (36%)	6/62 (10%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	62/182 (34%)	31/89 (35%)	31/89 (35%)	0/4 (0%)
Overall	1025/2701 (38%)	575/1478 (39%)	365/967 (38%)	85/256 (33%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 38%, i.e. 1268 atoms were assigned a chemical shift out of a possible 3351. 0 out of 37 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	494/1194 (41%)	200/481 (42%)	198/482 (41%)	96/231 (42%)
Sidechain	684/1915 (36%)	464/1227 (38%)	214/601 (36%)	6/87 (7%)
Aromatic	90/242 (37%)	45/119 (38%)	45/119 (38%)	0/4 (0%)
Overall	1268/3351 (38%)	709/1827 (39%)	457/1202 (38%)	102/322 (32%)

7.1.4 Statistically unusual chemical shifts (i)

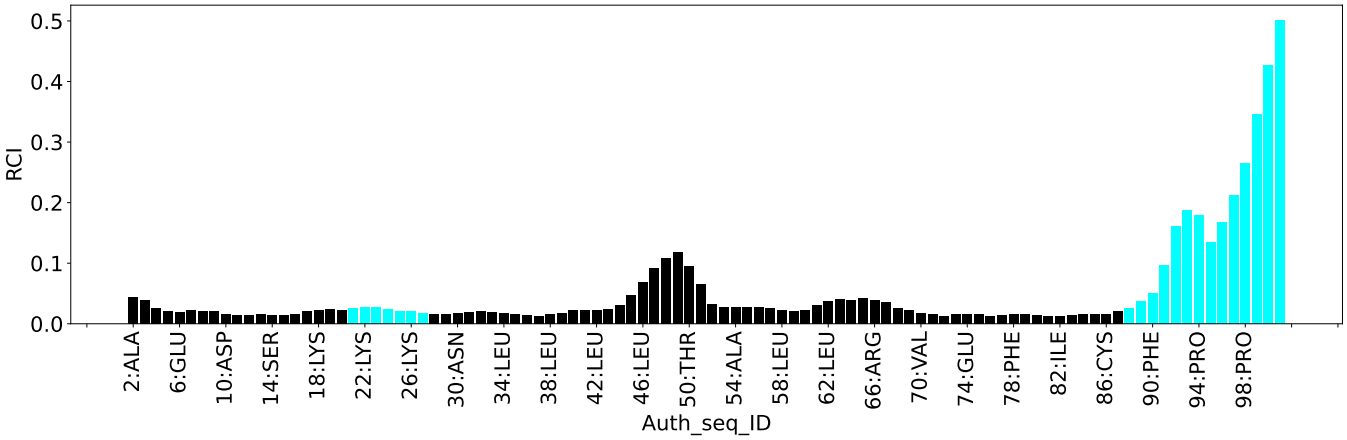
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, *ppm*	Expected range, *ppm*	Z-score
1	A	20	SER	HB3	2.17	2.49 – 5.20	-6.2

7.1.5 Random Coil Index (RCI) plots (i)

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

Random coil index (RCI) for chain A:



7.2 Chemical shift list 2

File name: working_cs.cif

Chemical shift list name: *S100A4_chain_B*

7.2.1 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	1266
Number of shifts mapped to atoms	1266
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	1

7.2.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	100	-0.87 ± 0.10	Should be checked
$^{13}C_{\beta}$	95	0.23 ± 0.16	None needed (< 0.5 ppm)
$^{13}C'$	97	-0.50 ± 0.07	Should be applied
^{15}N	96	0.46 ± 0.32	None needed (< 0.5 ppm)

7.2.3 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 38%, i.e. 1022 atoms were assigned a chemical shift out of a possible 2701. 0 out of 37 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	401/972 (41%)	162/390 (42%)	160/392 (41%)	79/190 (42%)
Sidechain	557/1547 (36%)	378/999 (38%)	173/486 (36%)	6/62 (10%)
Aromatic	64/182 (35%)	32/89 (36%)	32/89 (36%)	0/4 (0%)
Overall	1022/2701 (38%)	572/1478 (39%)	365/967 (38%)	85/256 (33%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 38%, i.e. 1265 atoms were assigned a chemical shift out of a possible 3351. 0 out of 37 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	493/1194 (41%)	200/481 (42%)	197/482 (41%)	96/231 (42%)
Sidechain	680/1915 (36%)	460/1227 (37%)	214/601 (36%)	6/87 (7%)
Aromatic	92/242 (38%)	46/119 (39%)	46/119 (39%)	0/4 (0%)
Overall	1265/3351 (38%)	706/1827 (39%)	457/1202 (38%)	102/322 (32%)

7.2.4 Statistically unusual chemical shifts

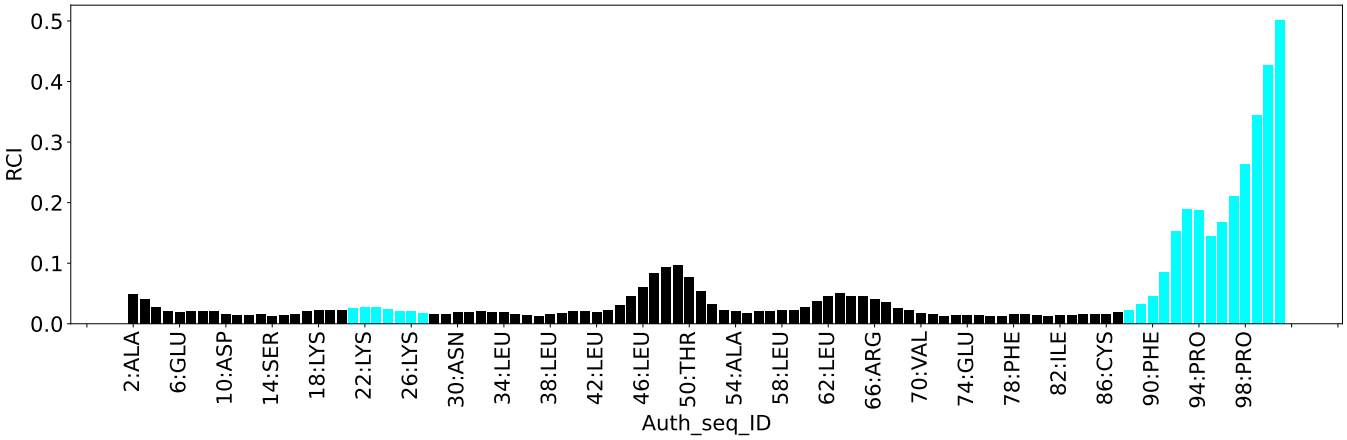
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, *ppm*	Expected range, *ppm*	Z-score
2	A	20	SER	HB3	2.27	2.49 – 5.20	-5.8

7.2.5 Random Coil Index (RCI) plots

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:



7.3 Chemical shift list 3

File name: working_cs.cif

Chemical shift list name: *myosin_ chain_ C*

7.3.1 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	240
Number of shifts mapped to atoms	240
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

7.3.2 Chemical shift referencing

No chemical shift referencing corrections were calculated (not enough data).

7.3.3 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 7%, i.e. 202 atoms were assigned a chemical shift out of a possible 2701. 0 out of 37 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	54/972 (6%)	54/390 (14%)	0/392 (0%)	0/190 (0%)

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	Total	^{1}H	^{13}C	^{15}N
Sidechain	143/1547 (9%)	143/999 (14%)	0/486 (0%)	0/62 (0%)
Aromatic	5/182 (3%)	5/89 (6%)	0/89 (0%)	0/4 (0%)
Overall	202/2701 (7%)	202/1478 (14%)	0/967 (0%)	0/256 (0%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 7%, i.e. 240 atoms were assigned a chemical shift out of a possible 3351. 0 out of 37 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	66/1194 (6%)	66/481 (14%)	0/482 (0%)	0/231 (0%)
Sidechain	169/1915 (9%)	169/1227 (14%)	0/601 (0%)	0/87 (0%)
Aromatic	5/242 (2%)	5/119 (4%)	0/119 (0%)	0/4 (0%)
Overall	240/3351 (7%)	240/1827 (13%)	0/1202 (0%)	0/322 (0%)

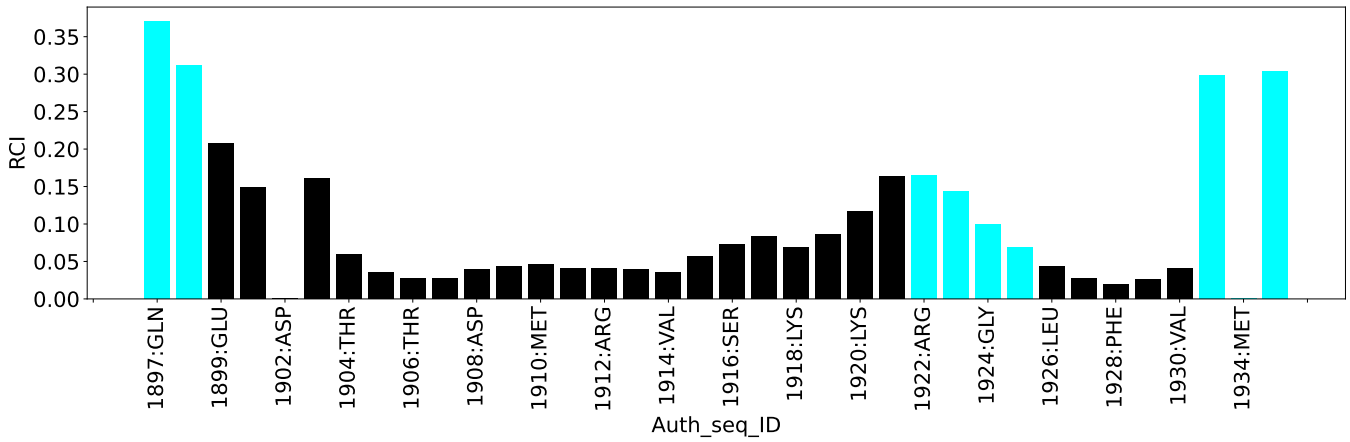
7.3.4 Statistically unusual chemical shifts (i)

There are no statistically unusual chemical shifts.

7.3.5 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 C:



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	7075
Intra-residue (|i-j|=0)	2473
Sequential (|i-j|=1)	1491
Medium range (|i-j|>1 and |i-j|<5)	1187
Long range (|i-j|≥5)	708
Inter-chain	1216
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	368
Number of unmapped restraints	0
Number of restraints per residue	28.1
Number of long range restraints per residue[1]	2.7

[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)	121.8	0.2
0.2-0.5 (Medium)	221.1	0.5
>0.5 (Large)	258.6	6.13

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

Dihedral-angle violations less than 1° are not included in the calculation.

Bins (°)	Average number of violations per model	Max (°)
1.0-10.0 (Small)	22.5	8.1
10.0-20.0 (Medium)	None	None
>20.0 (Large)	None	None

9 Distance violation analysis (i)

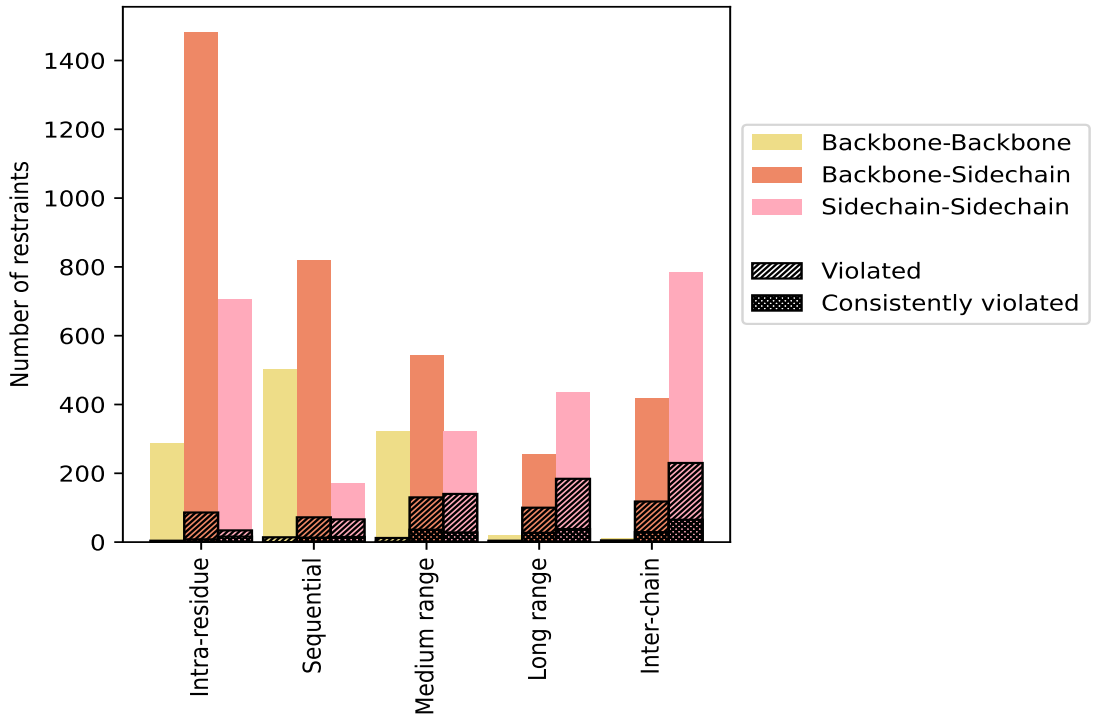
9.1 Summary of distance violations (i)

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

Restraints type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
Intra-residue (|i-j|=0)	2473	35.0	124	5.0	1.8	24	1.0	0.3
Backbone-Backbone	286	4.0	4	1.4	0.1	0	0.0	0.0
Backbone-Sidechain	1482	20.9	86	5.8	1.2	8	0.5	0.1
Sidechain-Sidechain	705	10.0	34	4.8	0.5	16	2.3	0.2
Sequential (|i-j|=1)	1491	21.1	152	10.2	2.1	28	1.9	0.4
Backbone-Backbone	502	7.1	14	2.8	0.2	0	0.0	0.0
Backbone-Sidechain	819	11.6	72	8.8	1.0	13	1.6	0.2
Sidechain-Sidechain	170	2.4	66	38.8	0.9	15	8.8	0.2
Medium range (|i-j|>1 & |i-j|<5)	1187	16.8	282	23.8	4.0	65	5.5	0.9
Backbone-Backbone	321	4.5	12	3.7	0.2	1	0.3	0.0
Backbone-Sidechain	543	7.7	130	23.9	1.8	36	6.6	0.5
Sidechain-Sidechain	323	4.6	140	43.3	2.0	28	8.7	0.4
Long range (|i-j|≥5)	708	10.0	288	40.7	4.1	65	9.2	0.9
Backbone-Backbone	19	0.3	4	21.1	0.1	0	0.0	0.0
Backbone-Sidechain	254	3.6	100	39.4	1.4	27	10.6	0.4
Sidechain-Sidechain	435	6.1	184	42.3	2.6	38	8.7	0.5
Inter-chain	1216	17.2	353	29.0	5.0	96	7.9	1.4
Backbone-Backbone	12	0.2	5	41.7	0.1	2	16.7	0.0
Backbone-Sidechain	419	5.9	118	28.2	1.7	29	6.9	0.4
Sidechain-Sidechain	785	11.1	230	29.3	3.3	65	8.3	0.9
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	7075	100.0	1199	16.9	16.9	278	3.9	3.9
Backbone-Backbone	1140	16.1	39	3.4	0.6	3	0.3	0.0
Backbone-Sidechain	3517	49.7	506	14.4	7.2	113	3.2	1.6
Sidechain-Sidechain	2418	34.2	654	27.0	9.2	162	6.7	2.3

[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	46	64	138	145	194	587	0.54	2.24	0.38	0.45
2	42	59	131	142	209	583	0.51	2.44	0.37	0.41
3	51	60	153	151	206	621	0.51	2.0	0.36	0.41
4	49	61	136	148	200	594	0.53	2.37	0.37	0.46
5	48	69	146	151	200	614	0.52	2.35	0.37	0.41
6	49	58	147	168	196	618	0.52	6.13	0.43	0.41
7	44	72	145	141	206	608	0.52	1.85	0.35	0.43
8	49	68	144	148	195	604	0.53	2.51	0.38	0.42
9	51	79	154	160	203	647	0.5	1.87	0.36	0.39
10	55	63	136	154	218	626	0.52	1.93	0.36	0.42

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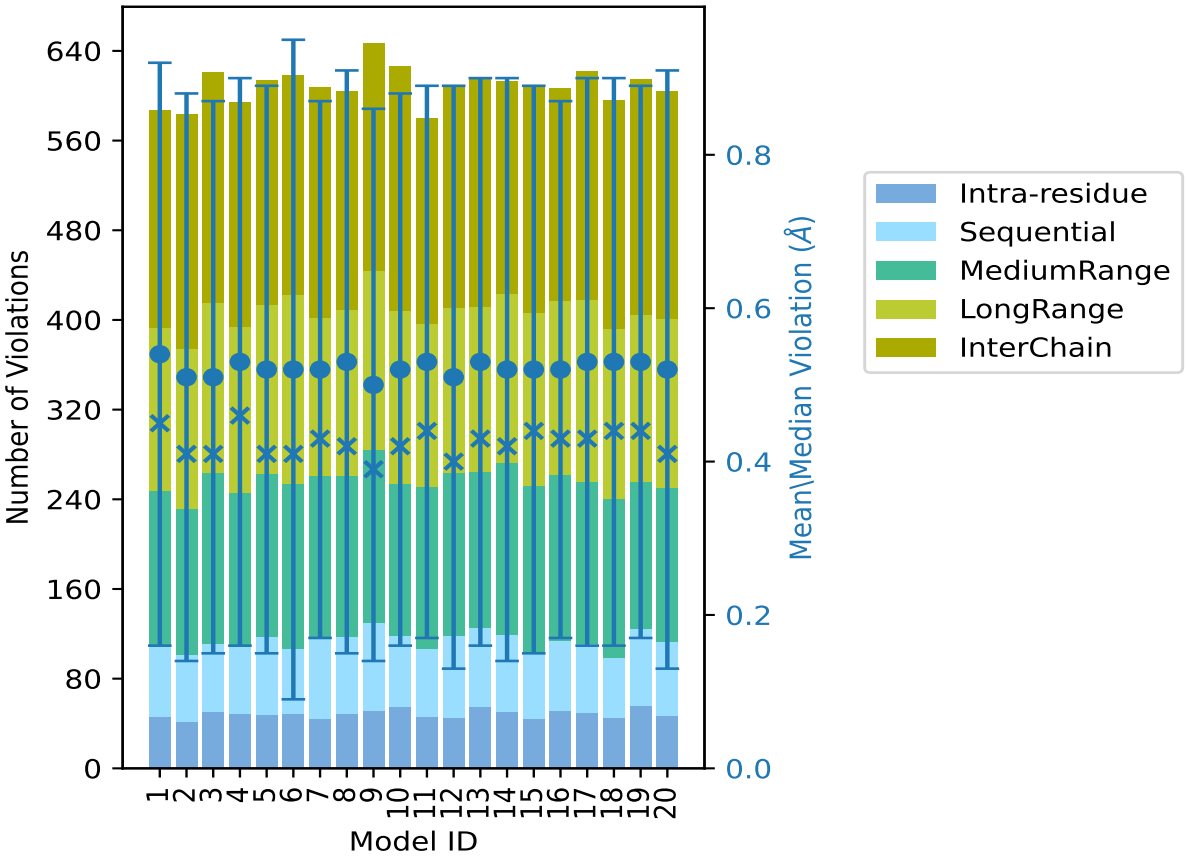
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	46	61	144	146	183	580	0.53	1.95	0.36	0.44
12	45	73	146	147	197	608	0.51	2.17	0.38	0.4
13	55	70	139	148	203	615	0.53	2.21	0.37	0.43
14	51	68	154	150	190	613	0.52	2.47	0.38	0.42
15	44	60	148	154	202	608	0.52	2.09	0.37	0.44
16	51	63	148	155	190	607	0.52	1.9	0.35	0.43
17	50	61	145	162	204	622	0.53	2.5	0.37	0.43
18	45	54	142	151	204	596	0.53	2.11	0.37	0.44
19	56	68	132	149	210	615	0.53	1.94	0.36	0.44
20	47	66	137	151	203	604	0.52	3.05	0.39	0.41

[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

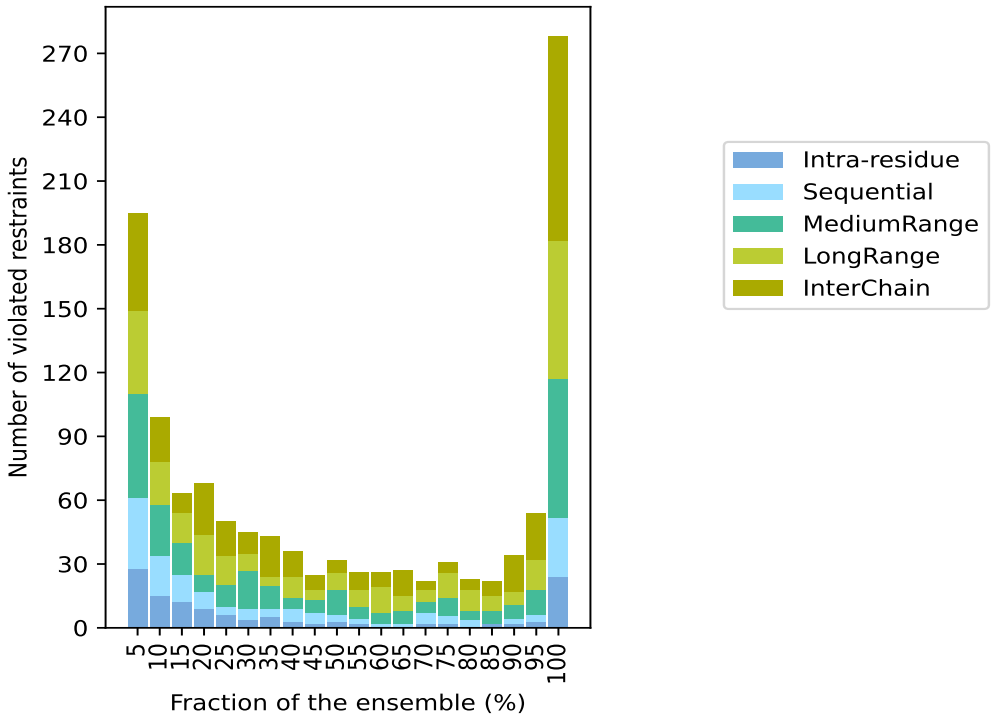
9.3 Distance violation statistics for the ensemble (i)

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, 5876(IR:2349, SQ:1339, MR:905, LR:420, IC:863) 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]	%
28	33	49	39	46	195	1	5.0
15	19	24	20	21	99	2	10.0
12	13	15	14	9	63	3	15.0
9	8	8	19	24	68	4	20.0
6	4	10	14	16	50	5	25.0
4	5	18	8	10	45	6	30.0
5	4	11	4	19	43	7	35.0
3	6	5	10	12	36	8	40.0
2	5	6	5	7	25	9	45.0
3	3	12	8	6	32	10	50.0
2	2	6	8	8	26	11	55.0
0	2	5	12	7	26	12	60.0
0	2	6	7	12	27	13	65.0
2	5	5	6	4	22	14	70.0
2	4	8	12	5	31	15	75.0
0	4	4	10	5	23	16	80.0
2	0	6	7	7	22	17	85.0
2	2	7	6	17	34	18	90.0
3	3	12	14	22	54	19	95.0
24	28	65	65	96	278	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

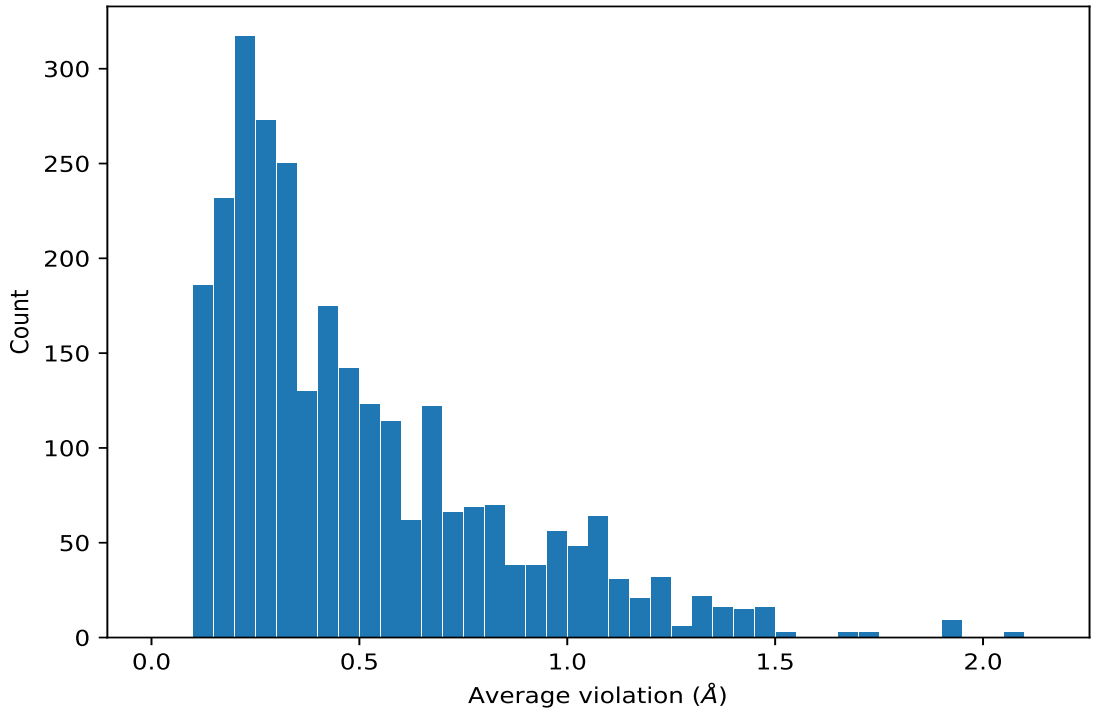
9.3.1 Bar graph : Distance violation statistics for the ensemble



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)
(1,6519)	2:9:B:LEU:HD23	2:11:B:VAL:HG13	20	1.9	0.12	1.9
(1,6519)	2:9:B:LEU:HD21	2:11:B:VAL:HG13	20	1.9	0.12	1.9
(1,6519)	2:9:B:LEU:HD21	2:11:B:VAL:HG12	20	1.9	0.12	1.9
(1,6519)	2:9:B:LEU:HD21	2:11:B:VAL:HG11	20	1.9	0.12	1.9
(1,6519)	2:9:B:LEU:HD23	2:11:B:VAL:HG11	20	1.9	0.12	1.9
(1,6519)	2:9:B:LEU:HD22	2:11:B:VAL:HG12	20	1.9	0.12	1.9
(1,6519)	2:9:B:LEU:HD22	2:11:B:VAL:HG13	20	1.9	0.12	1.9
(1,6519)	2:9:B:LEU:HD23	2:11:B:VAL:HG12	20	1.9	0.12	1.9
(1,6519)	2:9:B:LEU:HD22	2:11:B:VAL:HG11	20	1.9	0.12	1.9
(1,4189)	2:42:B:LEU:HD12	1:1928:C:PHE:HD1	20	1.73	0.28	1.72
(1,4189)	2:42:B:LEU:HD11	1:1928:C:PHE:HD1	20	1.73	0.28	1.72
(1,4189)	2:42:B:LEU:HD12	1:1928:C:PHE:HD2	20	1.73	0.28	1.72
(1,6030)	2:42:A:LEU:HD12	2:29:A:LEU:HD23	20	1.69	0.24	1.71
(1,6030)	2:42:A:LEU:HD12	2:29:A:LEU:HD22	20	1.69	0.24	1.71
(1,6030)	2:42:A:LEU:HD12	2:29:A:LEU:HD21	20	1.69	0.24	1.71
(1,5026)	1:1907:C:ALA:H	2:85:A:MET:HB2	20	1.54	0.65	1.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1069)	2:59:B:MET:HE1	2:62:B:LEU:HD11	20	1.47	0.17	1.52
(1,1069)	2:59:B:MET:HE3	2:62:B:LEU:HD11	20	1.47	0.17	1.52
(1,6072)	2:39:B:THR:HG22	2:36:B:GLU:HB3	20	1.46	0.18	1.44
(1,6072)	2:39:B:THR:HG23	2:36:B:GLU:HB3	20	1.46	0.18	1.44
(1,6072)	2:39:B:THR:HG21	2:36:B:GLU:HB3	20	1.46	0.18	1.44
(1,6451)	2:12:A:MET:HE1	2:5:B:LEU:HD11	20	1.46	0.18	1.5
(1,6451)	2:12:A:MET:HE3	2:5:B:LEU:HD13	20	1.46	0.18	1.5
(1,6451)	2:12:A:MET:HE3	2:5:B:LEU:HD11	20	1.46	0.18	1.5
(1,6451)	2:12:A:MET:HE1	2:5:B:LEU:HD21	20	1.46	0.18	1.5
(1,6451)	2:12:A:MET:HE1	2:5:B:LEU:HD23	20	1.46	0.18	1.5
(1,6451)	2:12:A:MET:HE1	2:5:B:LEU:HD13	20	1.46	0.18	1.5
(1,6052)	2:42:B:LEU:HD13	2:45:B:PHE:HZ	20	1.44	0.11	1.48
(1,6052)	2:42:B:LEU:HD11	2:45:B:PHE:HZ	20	1.44	0.11	1.48
(1,6052)	2:42:B:LEU:HD12	1:1928:C:PHE:HZ	20	1.44	0.11	1.48
(1,6101)	2:38:B:LEU:HD21	2:35:B:LYS:H	20	1.44	0.13	1.42
(1,6101)	2:38:B:LEU:HD23	2:35:B:LYS:H	20	1.44	0.13	1.42
(1,6101)	2:38:B:LEU:HD22	2:35:B:LYS:H	20	1.44	0.13	1.42
(1,6101)	2:38:B:LEU:HD23	1:1930:C:VAL:H	20	1.44	0.13	1.42
(1,5779)	2:82:A:ILE:HG22	2:42:A:LEU:HD13	20	1.41	0.28	1.49
(1,5779)	2:82:A:ILE:HG22	2:42:A:LEU:HD12	20	1.41	0.28	1.49
(1,6185)	2:34:A:LEU:HD23	2:5:B:LEU:HD23	20	1.4	0.25	1.4
(1,6185)	2:34:A:LEU:HD21	2:5:B:LEU:HD22	20	1.4	0.25	1.4
(1,6185)	2:34:A:LEU:HD22	1:1900:C:LEU:HD22	20	1.4	0.25	1.4
(1,6185)	2:34:A:LEU:HD22	1:1900:C:LEU:HD21	20	1.4	0.25	1.4
(1,6185)	2:34:A:LEU:HD23	1:1900:C:LEU:HD21	20	1.4	0.25	1.4
(1,6185)	2:34:A:LEU:HD21	2:5:B:LEU:HD23	20	1.4	0.25	1.4
(1,4907)	1:1918:C:LYS:H	1:1910:C:MET:HG3	20	1.38	0.29	1.48
(1,4907)	1:1918:C:LYS:H	1:1922:C:ARG:HB3	20	1.38	0.29	1.48
(1,371)	2:82:B:ILE:HG21	2:12:A:MET:HE2	20	1.38	0.22	1.36
(1,371)	2:82:B:ILE:HG23	2:12:A:MET:HE1	20	1.38	0.22	1.36
(1,371)	2:82:B:ILE:HG23	2:12:A:MET:HE2	20	1.38	0.22	1.36
(1,371)	2:82:B:ILE:HG22	2:12:A:MET:HE1	20	1.38	0.22	1.36
(1,371)	2:82:B:ILE:HG22	2:12:A:MET:HE2	20	1.38	0.22	1.36
(1,6156)	2:36:A:GLU:HB3	2:37:A:LEU:HD21	20	1.35	0.19	1.3
(1,6156)	2:36:A:GLU:HB2	2:37:A:LEU:HD23	20	1.35	0.19	1.3
(1,6156)	2:36:A:GLU:HB2	2:37:A:LEU:HD21	20	1.35	0.19	1.3
(1,6156)	2:36:A:GLU:HB3	2:37:A:LEU:HD22	20	1.35	0.19	1.3
(1,6156)	2:36:A:GLU:HB2	2:37:A:LEU:HD22	20	1.35	0.19	1.3
(1,6156)	2:36:A:GLU:HB3	2:37:A:LEU:HD23	20	1.35	0.19	1.3
(1,5908)	2:29:A:LEU:HD21	2:22:A:LYS:H	20	1.34	0.21	1.35
(1,5908)	2:29:A:LEU:HD23	2:55:A:PHE:HE1	20	1.34	0.21	1.35
(1,5908)	2:29:A:LEU:HD23	2:22:A:LYS:H	20	1.34	0.21	1.35

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5908)	2:29:A:LEU:HD21	2:55:A:PHE:HE2	20	1.34	0.21	1.35
(1,5908)	2:29:A:LEU:HD23	2:55:A:PHE:HE2	20	1.34	0.21	1.35
(1,5908)	2:29:A:LEU:HD22	2:22:A:LYS:H	20	1.34	0.21	1.35
(1,5758)	2:84:B:MET:HE1	2:73:A:GLN:H	20	1.33	0.18	1.32
(1,5758)	2:84:B:MET:HE3	2:73:A:GLN:H	20	1.33	0.18	1.32
(1,6434)	2:12:B:MET:HE1	2:9:A:LEU:HD23	20	1.32	0.07	1.33
(1,6434)	2:12:B:MET:HE3	2:9:A:LEU:HD21	20	1.32	0.07	1.33
(1,6434)	2:12:B:MET:HE1	2:9:A:LEU:HD21	20	1.32	0.07	1.33
(1,6434)	2:12:B:MET:HE1	2:9:A:LEU:HD22	20	1.32	0.07	1.33
(1,6434)	2:12:B:MET:HE3	2:9:A:LEU:HD23	20	1.32	0.07	1.33
(1,6434)	2:12:B:MET:HE3	2:9:A:LEU:HD22	20	1.32	0.07	1.33
(1,6247)	2:29:B:LEU:HD21	2:30:B:ASN:HD22	20	1.31	0.2	1.36
(1,6247)	2:29:B:LEU:HD23	2:30:B:ASN:HD22	20	1.31	0.2	1.36
(1,6247)	2:29:B:LEU:HD22	2:30:B:ASN:HD22	20	1.31	0.2	1.36
(1,1820)	2:36:B:GLU:HB3	2:15:B:THR:HG22	20	1.27	0.09	1.27
(1,1820)	2:36:B:GLU:HB3	2:15:B:THR:HG23	20	1.27	0.09	1.27
(1,1820)	2:36:B:GLU:HB3	2:15:B:THR:HG21	20	1.27	0.09	1.27
(1,1657)	2:39:B:THR:HG21	2:40:B:ARG:HD2	20	1.24	0.31	1.35
(1,1657)	2:39:B:THR:HG22	2:40:B:ARG:HD2	20	1.24	0.31	1.35
(1,1657)	2:39:B:THR:HG23	2:40:B:ARG:HD2	20	1.24	0.31	1.35
(1,1657)	2:39:B:THR:HG23	2:40:B:ARG:HD3	20	1.24	0.31	1.35
(1,1657)	2:39:B:THR:HG22	2:40:B:ARG:HD3	20	1.24	0.31	1.35
(1,5780)	2:82:A:ILE:HD13	2:42:A:LEU:HD13	20	1.24	0.2	1.27
(1,5780)	2:82:A:ILE:HD11	2:42:A:LEU:HD13	20	1.24	0.2	1.27
(1,5780)	2:82:A:ILE:HD12	2:42:A:LEU:HD13	20	1.24	0.2	1.27
(1,5780)	2:82:A:ILE:HD13	2:42:A:LEU:HD12	20	1.24	0.2	1.27
(1,5780)	2:82:A:ILE:HD12	2:42:A:LEU:HD12	20	1.24	0.2	1.27
(1,4720)	2:82:A:ILE:HG21	1:1900:C:LEU:HB2	20	1.22	0.18	1.23
(1,6074)	2:39:B:THR:HG22	2:40:B:ARG:HA	20	1.22	0.13	1.25
(1,6074)	2:39:A:THR:HG21	2:50:A:THR:HA	20	1.22	0.13	1.25
(1,6074)	2:39:B:THR:HG23	2:40:B:ARG:HA	20	1.22	0.13	1.25
(1,6074)	2:39:B:THR:HG21	2:40:B:ARG:HA	20	1.22	0.13	1.25
(1,6074)	2:39:A:THR:HG22	2:40:A:ARG:HA	20	1.22	0.13	1.25
(1,6074)	2:39:A:THR:HG23	2:40:A:ARG:HA	20	1.22	0.13	1.25
(1,202)	2:84:A:MET:HE1	2:77:B:VAL:HG13	20	1.21	0.07	1.19
(1,202)	2:84:A:MET:HE1	2:77:B:VAL:HG11	20	1.21	0.07	1.19
(1,202)	2:84:A:MET:HE1	2:77:B:VAL:HG12	20	1.21	0.07	1.19
(1,6591)	2:5:B:LEU:HD21	2:12:A:MET:HE1	20	1.21	0.15	1.25
(1,6591)	2:5:B:LEU:HD23	2:12:A:MET:HE3	20	1.21	0.15	1.25
(1,6591)	2:5:B:LEU:HD23	2:12:A:MET:HE1	20	1.21	0.15	1.25
(1,6591)	2:5:B:LEU:HD21	2:12:A:MET:HE3	20	1.21	0.15	1.25
(1,6591)	2:5:B:LEU:HD22	2:12:A:MET:HE3	20	1.21	0.15	1.25

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,6042)	2:42:A:LEU:HD13	2:8:B:ALA:H	20	1.21	0.16	1.25
(1,2024)	2:29:A:LEU:HD12	2:72:A:PHE:HE1	20	1.19	0.39	1.07
(1,2024)	2:29:A:LEU:HD12	2:72:A:PHE:HE2	20	1.19	0.39	1.07
(1,2024)	2:29:A:LEU:HD11	2:72:A:PHE:HE1	20	1.19	0.39	1.07
(1,2024)	2:29:A:LEU:HD11	2:72:A:PHE:HE2	20	1.19	0.39	1.07
(1,2024)	2:29:A:LEU:HD13	2:72:A:PHE:HE1	20	1.19	0.39	1.07
(1,2024)	2:29:A:LEU:HD13	2:72:A:PHE:HE2	20	1.19	0.39	1.07
(1,6824)	2:73:A:GLN:H	2:75:A:TYR:HD2	20	1.16	0.15	1.2
(1,6824)	2:73:A:GLN:H	2:72:A:PHE:HZ	20	1.16	0.15	1.2
(1,6824)	2:73:A:GLN:H	2:75:A:TYR:HD1	20	1.16	0.15	1.2
(1,5786)	2:82:B:ILE:HD13	2:80:B:SER:H	20	1.16	0.14	1.17
(1,5786)	2:82:B:ILE:HD12	2:80:B:SER:H	20	1.16	0.14	1.17
(1,5786)	2:82:B:ILE:HD11	2:80:B:SER:H	20	1.16	0.14	1.17
(1,5836)	2:77:B:VAL:HG11	2:79:B:LEU:HA	20	1.16	0.11	1.18
(1,5836)	2:77:B:VAL:HG12	2:79:B:LEU:HA	20	1.16	0.11	1.18
(1,5836)	2:77:B:VAL:HG13	2:79:B:LEU:HA	20	1.16	0.11	1.18
(1,514)	2:79:B:LEU:HD12	2:15:B:THR:HG23	20	1.14	0.21	1.08
(1,514)	2:79:B:LEU:HD13	2:15:B:THR:HG23	20	1.14	0.21	1.08
(1,514)	2:79:B:LEU:HD12	2:15:B:THR:HG21	20	1.14	0.21	1.08
(1,514)	2:79:B:LEU:HD11	2:15:B:THR:HG22	20	1.14	0.21	1.08
(1,514)	2:79:B:LEU:HD12	2:15:B:THR:HG22	20	1.14	0.21	1.08
(1,514)	2:79:B:LEU:HD11	2:15:B:THR:HG23	20	1.14	0.21	1.08
(1,514)	2:79:B:LEU:HD11	2:15:B:THR:HG21	20	1.14	0.21	1.08
(1,514)	2:79:B:LEU:HD13	2:15:B:THR:HG21	20	1.14	0.21	1.08
(1,1303)	2:54:B:ALA:HB1	1:1928:C:PHE:HD2	20	1.14	0.11	1.15
(1,1303)	2:54:B:ALA:HB3	1:1928:C:PHE:HD2	20	1.14	0.11	1.15
(1,1303)	2:54:B:ALA:HB2	1:1928:C:PHE:HD2	20	1.14	0.11	1.15
(1,4164)	2:54:B:ALA:HB1	1:1928:C:PHE:HD2	20	1.14	0.11	1.15
(1,4164)	2:54:B:ALA:HB3	1:1928:C:PHE:HD2	20	1.14	0.11	1.15
(1,4164)	2:54:B:ALA:HB2	1:1928:C:PHE:HD2	20	1.14	0.11	1.15
(1,5537)	1:1907:C:ALA:HA	1:1905:C:GLU:HB3	20	1.11	0.16	1.06
(1,5537)	1:1907:C:ALA:HA	1:1905:C:GLU:HB2	20	1.11	0.16	1.06
(1,1073)	2:59:B:MET:HE3	2:34:B:LEU:HD21	20	1.1	0.19	1.12
(1,1073)	2:59:B:MET:HE1	2:34:B:LEU:HD21	20	1.1	0.19	1.12
(1,1073)	2:59:B:MET:HE3	2:34:B:LEU:HD22	20	1.1	0.19	1.12
(1,1073)	2:59:B:MET:HE1	2:34:B:LEU:HD22	20	1.1	0.19	1.12
(1,137)	2:85:A:MET:HE1	2:9:B:LEU:HD22	20	1.09	0.16	1.07
(1,137)	2:85:A:MET:HE3	2:9:B:LEU:HD23	20	1.09	0.16	1.07
(1,137)	2:85:A:MET:HE1	2:9:B:LEU:HD21	20	1.09	0.16	1.07
(1,137)	2:85:A:MET:HE1	2:9:B:LEU:HD23	20	1.09	0.16	1.07
(1,137)	2:85:A:MET:HE3	2:9:B:LEU:HD22	20	1.09	0.16	1.07
(1,4723)	2:82:A:ILE:HD11	1:1900:C:LEU:HB2	20	1.08	0.15	1.1

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4723)	2:82:A:ILE:HD13	1:1900:C:LEU:HB2	20	1.08	0.15	1.1
(1,5360)	1:1917:C:LEU:HD21	1:1918:C:LYS:HE2	20	1.08	0.62	0.72
(1,5360)	1:1917:C:LEU:HD22	1:1918:C:LYS:HE2	20	1.08	0.62	0.72
(1,5360)	1:1917:C:LEU:HD23	1:1918:C:LYS:HE2	20	1.08	0.62	0.72
(1,5360)	1:1917:C:LEU:HD21	1:1918:C:LYS:HE3	20	1.08	0.62	0.72
(1,5360)	1:1917:C:LEU:HD22	1:1918:C:LYS:HE3	20	1.08	0.62	0.72
(1,5360)	1:1917:C:LEU:HD23	1:1918:C:LYS:HE3	20	1.08	0.62	0.72
(1,4017)	2:38:B:LEU:HD21	1:1929:C:VAL:HG11	20	1.06	0.09	1.06
(1,4017)	2:38:B:LEU:HD21	1:1929:C:VAL:HG12	20	1.06	0.09	1.06
(1,4017)	2:38:B:LEU:HD21	1:1929:C:VAL:HG13	20	1.06	0.09	1.06
(1,4017)	2:38:B:LEU:HD23	1:1929:C:VAL:HG11	20	1.06	0.09	1.06
(1,4017)	2:38:B:LEU:HD23	1:1929:C:VAL:HG12	20	1.06	0.09	1.06
(1,4017)	2:38:B:LEU:HD23	1:1929:C:VAL:HG13	20	1.06	0.09	1.06
(1,4017)	2:38:B:LEU:HD22	1:1929:C:VAL:HG11	20	1.06	0.09	1.06
(1,4017)	2:38:B:LEU:HD22	1:1929:C:VAL:HG12	20	1.06	0.09	1.06
(1,4017)	2:38:B:LEU:HD22	1:1929:C:VAL:HG13	20	1.06	0.09	1.06
(1,6624)	2:2:B:ALA:HB1	2:4:B:PRO:HB2	20	1.06	0.11	1.1
(1,6624)	2:2:B:ALA:HB2	2:4:B:PRO:HB2	20	1.06	0.11	1.1
(1,6624)	2:2:A:ALA:HB2	2:4:A:PRO:HB2	20	1.06	0.11	1.1
(1,6624)	2:2:B:ALA:HB3	2:4:B:PRO:HB2	20	1.06	0.11	1.1
(1,6624)	2:2:A:ALA:HB1	2:4:A:PRO:HB2	20	1.06	0.11	1.1
(1,6624)	2:2:A:ALA:HB3	2:4:A:PRO:HB2	20	1.06	0.11	1.1
(1,1000)	2:60:B:SER:HB2	2:59:B:MET:HE1	20	1.06	0.37	1.19
(1,1000)	2:60:B:SER:HB2	2:59:B:MET:HE2	20	1.06	0.37	1.19
(1,1000)	2:60:B:SER:HB3	2:59:B:MET:HE1	20	1.06	0.37	1.19
(1,1000)	2:60:B:SER:HB3	2:59:B:MET:HE2	20	1.06	0.37	1.19
(1,1403)	2:49:A:ARG:HA	2:54:A:ALA:HB2	20	1.06	0.13	1.09
(1,1403)	2:49:A:ARG:HA	2:54:A:ALA:HB3	20	1.06	0.13	1.09
(1,1403)	2:49:A:ARG:HA	2:54:A:ALA:HB1	20	1.06	0.13	1.09
(1,515)	2:79:B:LEU:HD13	2:82:B:ILE:HB	20	1.05	0.08	1.05
(1,515)	2:79:B:LEU:HD11	2:82:B:ILE:HB	20	1.05	0.08	1.05
(1,515)	2:79:B:LEU:HD12	2:82:B:ILE:HB	20	1.05	0.08	1.05
(1,4023)	2:38:B:LEU:HD21	1:1929:C:VAL:HG21	20	1.05	0.16	1.02
(1,4023)	2:38:B:LEU:HD21	1:1929:C:VAL:HG22	20	1.05	0.16	1.02
(1,4023)	2:38:B:LEU:HD21	1:1929:C:VAL:HG23	20	1.05	0.16	1.02
(1,4023)	2:38:B:LEU:HD23	1:1929:C:VAL:HG21	20	1.05	0.16	1.02
(1,4023)	2:38:B:LEU:HD23	1:1929:C:VAL:HG22	20	1.05	0.16	1.02
(1,4023)	2:38:B:LEU:HD23	1:1929:C:VAL:HG23	20	1.05	0.16	1.02
(1,4023)	2:38:B:LEU:HD22	1:1929:C:VAL:HG21	20	1.05	0.16	1.02
(1,4023)	2:38:B:LEU:HD22	1:1929:C:VAL:HG22	20	1.05	0.16	1.02
(1,4023)	2:38:B:LEU:HD22	1:1929:C:VAL:HG23	20	1.05	0.16	1.02
(1,783)	2:70:B:VAL:HG13	2:62:B:LEU:HD22	20	1.04	0.16	1.05

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,783)	2:70:B:VAL:HG13	2:62:B:LEU:HD21	20	1.04	0.16	1.05
(1,783)	2:70:B:VAL:HG12	2:62:B:LEU:HD21	20	1.04	0.16	1.05
(1,783)	2:70:B:VAL:HG11	2:62:B:LEU:HD21	20	1.04	0.16	1.05
(1,783)	2:70:B:VAL:HG11	2:62:B:LEU:HD22	20	1.04	0.16	1.05
(1,783)	2:70:B:VAL:HG12	2:62:B:LEU:HD22	20	1.04	0.16	1.05
(1,783)	2:70:B:VAL:HG12	2:62:B:LEU:HD23	20	1.04	0.16	1.05
(1,351)	2:82:B:ILE:HG21	2:81:B:CYS:H	20	1.03	0.13	1.06
(1,351)	2:82:B:ILE:HG23	2:81:B:CYS:H	20	1.03	0.13	1.06
(1,351)	2:82:B:ILE:HG22	2:81:B:CYS:H	20	1.03	0.13	1.06
(1,1103)	2:59:B:MET:HE3	2:67:B:ASP:H	20	1.03	0.13	1.04
(1,1103)	2:59:B:MET:HE2	2:67:B:ASP:H	20	1.03	0.13	1.04
(1,6051)	2:42:B:LEU:HD12	2:45:B:PHE:HB3	20	1.03	0.39	1.15
(1,6051)	2:42:B:LEU:HD12	1:1928:C:PHE:HB2	20	1.03	0.39	1.15
(1,6051)	2:42:B:LEU:HD11	2:45:B:PHE:HB3	20	1.03	0.39	1.15
(1,636)	2:76:B:CYS:HA	2:62:B:LEU:HD11	20	1.02	0.03	1.02
(1,6098)	2:38:B:LEU:HD13	2:31:B:LYS:HA	20	1.02	0.12	1.0
(1,6098)	2:38:B:LEU:HD11	2:31:B:LYS:HA	20	1.02	0.12	1.0
(1,6098)	2:38:B:LEU:HD12	2:31:B:LYS:HA	20	1.02	0.12	1.0
(1,1962)	2:34:B:LEU:HD22	2:62:B:LEU:HD22	20	1.02	0.12	1.05
(1,1962)	2:34:B:LEU:HD22	2:62:B:LEU:HD21	20	1.02	0.12	1.05
(1,1962)	2:34:B:LEU:HD23	2:62:B:LEU:HD21	20	1.02	0.12	1.05
(1,1962)	2:34:B:LEU:HD23	2:62:B:LEU:HD22	20	1.02	0.12	1.05
(1,1962)	2:34:B:LEU:HD22	2:62:B:LEU:HD23	20	1.02	0.12	1.05
(1,1962)	2:34:B:LEU:HD23	2:62:B:LEU:HD23	20	1.02	0.12	1.05
(1,6415)	2:13:A:VAL:HG13	2:89:B:PHE:HB2	20	1.01	0.14	0.99
(1,6415)	2:13:A:VAL:HG13	2:72:A:PHE:HA	20	1.01	0.14	0.99
(1,6415)	2:13:A:VAL:HG11	2:72:A:PHE:HA	20	1.01	0.14	0.99
(1,6415)	2:13:A:VAL:HG12	2:89:B:PHE:HB2	20	1.01	0.14	0.99
(1,5546)	1:1907:C:ALA:HB1	2:85:A:MET:HE3	20	1.0	0.07	1.01
(1,5546)	1:1907:C:ALA:HB2	2:85:A:MET:HE3	20	1.0	0.07	1.01
(1,5546)	1:1907:C:ALA:HB3	2:85:A:MET:HE3	20	1.0	0.07	1.01
(1,1119)	2:58:A:LEU:HD13	2:57:A:LYS:H	20	1.0	0.07	1.0
(1,1119)	2:58:A:LEU:HD11	2:57:A:LYS:H	20	1.0	0.07	1.0
(1,1119)	2:58:A:LEU:HD12	2:57:A:LYS:H	20	1.0	0.07	1.0
(1,2199)	2:15:A:THR:HG23	2:5:B:LEU:HD12	20	1.0	0.07	1.0
(1,2199)	2:15:A:THR:HG23	2:5:B:LEU:HD11	20	1.0	0.07	1.0
(1,2199)	2:15:A:THR:HG21	2:5:B:LEU:HD12	20	1.0	0.07	1.0
(1,2199)	2:15:A:THR:HG21	2:5:B:LEU:HD13	20	1.0	0.07	1.0
(1,2199)	2:15:A:THR:HG22	2:5:B:LEU:HD12	20	1.0	0.07	1.0
(1,2199)	2:15:A:THR:HG22	2:5:B:LEU:HD11	20	1.0	0.07	1.0
(1,2199)	2:15:A:THR:HG23	2:5:B:LEU:HD13	20	1.0	0.07	1.0
(1,5746)	2:85:B:MET:HE3	2:78:B:PHE:HE1	20	0.99	0.18	0.98

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5746)	2:85:B:MET:HE3	2:78:B:PHE:HE2	20	0.99	0.18	0.98
(1,6947)	2:80:B:SER:H	1:1917:C:LEU:HD12	20	0.99	0.4	1.13
(1,6947)	2:80:B:SER:H	1:1917:C:LEU:HD13	20	0.99	0.4	1.13
(1,6947)	2:80:B:SER:H	1:1917:C:LEU:HD11	20	0.99	0.4	1.13
(1,6947)	2:80:B:SER:H	1:1914:C:VAL:HG11	20	0.99	0.4	1.13
(1,6947)	2:80:B:SER:H	1:1914:C:VAL:HG12	20	0.99	0.4	1.13
(1,5818)	2:79:B:LEU:HD21	2:80:B:SER:HB3	20	0.99	0.18	0.95
(1,6543)	2:8:B:ALA:HB1	2:10:B:ASP:HB2	20	0.99	0.23	1.01
(1,6543)	2:8:B:ALA:HB2	2:10:B:ASP:HB2	20	0.99	0.23	1.01
(1,6543)	2:8:B:ALA:HB3	2:10:B:ASP:HB2	20	0.99	0.23	1.01
(1,6543)	2:8:B:ALA:HB2	2:7:B:LYS:HE2	20	0.99	0.23	1.01
(1,6543)	2:8:B:ALA:HB3	2:7:B:LYS:HE3	20	0.99	0.23	1.01
(1,6543)	2:8:A:ALA:HB2	2:7:A:LYS:HE2	20	0.99	0.23	1.01
(1,6485)	2:11:B:VAL:HG13	2:8:B:ALA:HA	20	0.98	0.05	0.98
(1,6485)	2:11:B:VAL:HG12	2:8:B:ALA:HA	20	0.98	0.05	0.98
(1,6485)	2:11:B:VAL:HG11	2:8:B:ALA:HA	20	0.98	0.05	0.98
(1,6485)	2:11:A:VAL:HG12	2:8:A:ALA:HA	20	0.98	0.05	0.98
(1,6485)	2:11:A:VAL:HG11	2:8:A:ALA:HA	20	0.98	0.05	0.98
(1,621)	2:76:A:CYS:HA	1:1910:C:MET:HG2	20	0.98	0.15	0.97
(1,4126)	2:76:A:CYS:HA	1:1910:C:MET:HG2	20	0.98	0.15	0.97
(1,6627)	2:2:A:ALA:HB1	2:4:A:PRO:HG2	20	0.97	0.11	1.02
(1,6627)	2:2:A:ALA:HB2	2:4:A:PRO:HG2	20	0.97	0.11	1.02
(1,6627)	2:2:A:ALA:HB3	2:4:A:PRO:HG2	20	0.97	0.11	1.02
(1,1044)	2:59:A:MET:HE2	2:59:A:MET:H	20	0.96	0.26	1.03
(1,1044)	2:59:A:MET:HE3	2:59:A:MET:H	20	0.96	0.26	1.03
(1,1044)	2:59:A:MET:HE1	2:59:A:MET:H	20	0.96	0.26	1.03
(1,5927)	2:62:B:LEU:HD23	2:85:B:MET:HE1	20	0.96	0.15	0.96
(1,5927)	2:62:B:LEU:HD22	2:85:B:MET:HE1	20	0.96	0.15	0.96
(1,5927)	2:62:B:LEU:HD21	2:85:B:MET:HE1	20	0.96	0.15	0.96
(1,6550)	2:8:A:ALA:HB3	2:11:B:VAL:HG11	20	0.96	0.12	0.94
(1,6550)	2:8:A:ALA:HB1	2:11:B:VAL:HG11	20	0.96	0.12	0.94
(1,6550)	2:8:A:ALA:HB2	2:11:B:VAL:HG11	20	0.96	0.12	0.94
(1,6550)	2:8:A:ALA:HB2	2:11:B:VAL:HG13	20	0.96	0.12	0.94
(1,6550)	2:8:A:ALA:HB1	2:11:B:VAL:HG12	20	0.96	0.12	0.94
(1,6550)	2:8:A:ALA:HB1	2:11:B:VAL:HG13	20	0.96	0.12	0.94
(1,6550)	2:8:A:ALA:HB2	2:11:B:VAL:HG12	20	0.96	0.12	0.94
(1,6550)	2:8:A:ALA:HB3	2:11:B:VAL:HG12	20	0.96	0.12	0.94
(1,6550)	2:8:A:ALA:HB3	2:11:B:VAL:HG13	20	0.96	0.12	0.94
(1,4060)	2:85:B:MET:HE3	1:1928:C:PHE:HB3	20	0.96	0.06	0.96
(1,4060)	2:85:B:MET:HE1	1:1928:C:PHE:HB3	20	0.96	0.06	0.96
(1,727)	2:70:A:VAL:HG22	2:75:A:TYR:HB3	20	0.93	0.08	0.92
(1,727)	2:70:A:VAL:HG21	2:75:A:TYR:HB3	20	0.93	0.08	0.92

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,727)	2:70:A:VAL:HG23	2:75:A:TYR:HB3	20	0.93	0.08	0.92
(1,5747)	2:85:B:MET:HE3	2:45:B:PHE:HE1	20	0.93	0.18	0.92
(1,5747)	2:85:B:MET:HE1	2:61:B:ASN:HD21	20	0.93	0.18	0.92
(1,4691)	2:74:B:GLU:HG3	1:1921:C:LEU:HD11	20	0.92	0.11	0.92
(1,4691)	2:74:B:GLU:HG3	1:1921:C:LEU:HD12	20	0.92	0.11	0.92
(1,4691)	2:74:B:GLU:HG3	1:1921:C:LEU:HD13	20	0.92	0.11	0.92
(1,5959)	2:59:B:MET:HE1	2:58:B:LEU:HA	20	0.92	0.29	1.0
(1,5959)	2:59:B:MET:HE2	2:60:B:SER:HB2	20	0.92	0.29	1.0
(1,5959)	2:59:B:MET:HE1	2:60:B:SER:HB2	20	0.92	0.29	1.0
(1,5959)	2:59:B:MET:HE1	2:60:B:SER:HB3	20	0.92	0.29	1.0
(1,5959)	2:59:B:MET:HE2	2:58:B:LEU:HA	20	0.92	0.29	1.0
(1,1485)	2:46:A:LEU:HD21	2:39:A:THR:HG23	20	0.91	0.1	0.92
(1,1485)	2:46:A:LEU:HD23	2:39:A:THR:HG23	20	0.91	0.1	0.92
(1,1485)	2:46:A:LEU:HD22	2:39:A:THR:HG23	20	0.91	0.1	0.92
(1,1485)	2:46:A:LEU:HD21	2:39:A:THR:HG22	20	0.91	0.1	0.92
(1,1485)	2:46:A:LEU:HD22	2:39:A:THR:HG22	20	0.91	0.1	0.92
(1,1485)	2:46:A:LEU:HD23	2:39:A:THR:HG21	20	0.91	0.1	0.92
(1,1485)	2:46:A:LEU:HD21	2:39:A:THR:HG21	20	0.91	0.1	0.92
(1,1485)	2:46:A:LEU:HD22	2:39:A:THR:HG21	20	0.91	0.1	0.92
(1,2386)	2:9:B:LEU:HD12	2:5:B:LEU:HB3	20	0.91	0.05	0.91
(1,2386)	2:9:B:LEU:HD13	2:5:B:LEU:HB3	20	0.91	0.05	0.91
(1,2386)	2:9:B:LEU:HD11	2:5:B:LEU:HB3	20	0.91	0.05	0.91
(1,1072)	2:59:B:MET:HE3	2:29:B:LEU:HD11	20	0.91	0.18	0.88
(1,1072)	2:59:B:MET:HE1	2:29:B:LEU:HD11	20	0.91	0.18	0.88
(1,1072)	2:59:B:MET:HE3	2:29:B:LEU:HD13	20	0.91	0.18	0.88
(1,1072)	2:59:B:MET:HE3	2:29:B:LEU:HD12	20	0.91	0.18	0.88
(1,2280)	2:12:B:MET:HE3	2:84:A:MET:H	20	0.9	0.08	0.9
(1,2280)	2:12:B:MET:HE2	2:84:A:MET:H	20	0.9	0.08	0.9
(1,5501)	1:1910:C:MET:HE2	2:84:A:MET:HA	20	0.89	0.06	0.88
(1,5501)	1:1910:C:MET:HE1	2:84:A:MET:HA	20	0.89	0.06	0.88
(1,5501)	1:1910:C:MET:HE3	2:84:A:MET:HA	20	0.89	0.06	0.88
(1,1071)	2:59:B:MET:HE3	2:29:B:LEU:HD23	20	0.88	0.19	0.91
(1,1071)	2:59:B:MET:HE1	2:29:B:LEU:HD23	20	0.88	0.19	0.91
(1,1071)	2:59:B:MET:HE3	2:29:B:LEU:HD22	20	0.88	0.19	0.91
(1,1071)	2:59:B:MET:HE1	2:29:B:LEU:HD21	20	0.88	0.19	0.91
(1,1071)	2:59:B:MET:HE1	2:29:B:LEU:HD22	20	0.88	0.19	0.91
(1,5753)	2:84:A:MET:HE1	2:73:B:GLN:H	20	0.88	0.12	0.9
(1,5753)	2:84:A:MET:HE3	2:73:B:GLN:H	20	0.88	0.12	0.9
(1,6441)	2:12:B:MET:HE3	2:78:B:PHE:HD2	20	0.87	0.16	0.81
(1,6441)	2:12:B:MET:HE3	2:78:B:PHE:HD1	20	0.87	0.16	0.81
(1,6441)	2:12:B:MET:HE1	2:78:B:PHE:HD1	20	0.87	0.16	0.81
(1,1582)	2:42:B:LEU:HD12	2:82:B:ILE:HG23	20	0.86	0.27	0.88

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1582)	2:42:B:LEU:HD13	2:82:B:ILE:HG22	20	0.86	0.27	0.88
(1,1582)	2:42:B:LEU:HD12	2:82:B:ILE:HG22	20	0.86	0.27	0.88
(1,1582)	2:42:B:LEU:HD13	2:82:B:ILE:HG21	20	0.86	0.27	0.88
(1,1582)	2:42:B:LEU:HD12	2:82:B:ILE:HG21	20	0.86	0.27	0.88
(1,1712)	2:38:A:LEU:HD13	2:46:A:LEU:HB3	20	0.85	0.12	0.9
(1,1712)	2:38:A:LEU:HD11	2:46:A:LEU:HB3	20	0.85	0.12	0.9
(1,1712)	2:38:A:LEU:HD12	2:46:A:LEU:HB3	20	0.85	0.12	0.9
(1,1902)	2:34:A:LEU:HD13	2:60:A:SER:H	20	0.85	0.1	0.88
(1,3963)	2:77:B:VAL:HG23	1:1920:C:LYS:HG3	20	0.85	0.33	0.76
(1,3963)	2:77:B:VAL:HG22	1:1920:C:LYS:HG3	20	0.85	0.33	0.76
(1,6419)	2:13:A:VAL:HG21	2:91:B:GLU:HB3	20	0.85	0.14	0.8
(1,6419)	2:13:A:VAL:HG23	2:91:B:GLU:HB3	20	0.85	0.14	0.8
(1,6419)	2:13:A:VAL:HG22	2:91:B:GLU:HB3	20	0.85	0.14	0.8
(1,6041)	2:42:A:LEU:HD12	2:39:A:THR:H	20	0.85	0.1	0.88
(1,6041)	2:42:A:LEU:HD11	2:39:A:THR:H	20	0.85	0.1	0.88
(1,6242)	2:29:B:LEU:HD12	2:37:B:LEU:HD11	20	0.84	0.15	0.86
(1,6242)	2:29:B:LEU:HD12	2:37:B:LEU:HD13	20	0.84	0.15	0.86
(1,6242)	2:29:B:LEU:HD11	2:37:B:LEU:HD13	20	0.84	0.15	0.86
(1,6242)	2:29:B:LEU:HD12	2:37:B:LEU:HD12	20	0.84	0.15	0.86
(1,6242)	2:29:B:LEU:HD11	2:37:B:LEU:HD12	20	0.84	0.15	0.86
(1,6242)	2:29:B:LEU:HD13	2:37:B:LEU:HD12	20	0.84	0.15	0.86
(1,6242)	2:29:B:LEU:HD11	2:37:B:LEU:HD11	20	0.84	0.15	0.86
(1,5752)	2:84:A:MET:HE2	2:86:A:CYS:H	20	0.84	0.11	0.8
(1,6010)	2:49:B:ARG:HD3	2:54:B:ALA:HB3	20	0.84	0.42	0.79
(1,6010)	2:49:B:ARG:HD2	2:35:B:LYS:HD2	20	0.84	0.42	0.79
(1,6010)	2:49:B:ARG:HD2	2:54:B:ALA:HB2	20	0.84	0.42	0.79
(1,6010)	2:49:B:ARG:HD3	2:35:B:LYS:HD2	20	0.84	0.42	0.79
(1,1102)	2:59:B:MET:HE1	2:34:B:LEU:H	20	0.83	0.08	0.82
(1,1102)	2:59:B:MET:HE3	2:34:B:LEU:H	20	0.83	0.08	0.82
(1,1102)	2:59:B:MET:HE2	2:34:B:LEU:H	20	0.83	0.08	0.82
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG21	20	0.83	0.15	0.8
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG22	20	0.83	0.15	0.8
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG23	20	0.83	0.15	0.8
(1,3990)	2:58:B:LEU:HD11	1:1929:C:VAL:HG21	20	0.83	0.15	0.8
(1,3990)	2:58:B:LEU:HD11	1:1929:C:VAL:HG22	20	0.83	0.15	0.8
(1,3990)	2:58:B:LEU:HD11	1:1929:C:VAL:HG23	20	0.83	0.15	0.8
(1,3990)	2:58:B:LEU:HD12	1:1929:C:VAL:HG21	20	0.83	0.15	0.8
(1,3990)	2:58:B:LEU:HD12	1:1929:C:VAL:HG22	20	0.83	0.15	0.8
(1,3990)	2:58:B:LEU:HD12	1:1929:C:VAL:HG23	20	0.83	0.15	0.8
(1,6457)	2:12:A:MET:HE1	2:8:A:ALA:HA	20	0.83	0.14	0.8
(1,6442)	2:12:B:MET:HE3	2:75:B:TYR:HD1	20	0.82	0.31	0.76
(1,6475)	2:11:A:VAL:HG11	2:8:B:ALA:HB3	20	0.82	0.09	0.82

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,6475)	2:11:A:VAL:HG11	2:8:B:ALA:HB1	20	0.82	0.09	0.82
(1,6475)	2:11:A:VAL:HG11	2:8:B:ALA:HB2	20	0.82	0.09	0.82
(1,6475)	2:11:A:VAL:HG13	2:8:B:ALA:HB2	20	0.82	0.09	0.82
(1,6475)	2:11:A:VAL:HG12	2:8:B:ALA:HB1	20	0.82	0.09	0.82
(1,6475)	2:11:A:VAL:HG13	2:8:B:ALA:HB1	20	0.82	0.09	0.82
(1,6475)	2:11:A:VAL:HG12	2:8:B:ALA:HB2	20	0.82	0.09	0.82
(1,6475)	2:11:A:VAL:HG12	2:8:B:ALA:HB3	20	0.82	0.09	0.82
(1,6475)	2:11:A:VAL:HG13	2:8:B:ALA:HB3	20	0.82	0.09	0.82
(1,2388)	2:9:B:LEU:HD12	2:42:A:LEU:HB3	20	0.81	0.06	0.81
(1,2388)	2:9:B:LEU:HD13	2:42:A:LEU:HB3	20	0.81	0.06	0.81
(1,2388)	2:9:B:LEU:HD11	2:42:A:LEU:HB3	20	0.81	0.06	0.81
(1,1708)	2:38:A:LEU:HD23	2:34:A:LEU:HA	20	0.81	0.08	0.82
(1,1708)	2:38:A:LEU:HD22	2:34:A:LEU:HA	20	0.81	0.08	0.82
(1,1708)	2:38:A:LEU:HD21	2:34:A:LEU:HA	20	0.81	0.08	0.82
(1,126)	2:85:A:MET:HE2	1:1898:C:ARG:H	20	0.81	0.29	0.75
(1,3909)	2:38:A:LEU:HD13	1:1900:C:LEU:HB2	20	0.81	0.08	0.83
(1,3909)	2:38:A:LEU:HD11	1:1900:C:LEU:HB2	20	0.81	0.08	0.83
(1,3909)	2:38:A:LEU:HD12	1:1900:C:LEU:HB2	20	0.81	0.08	0.83
(1,6608)	2:3:A:CYS:HA	2:6:A:GLU:HA	20	0.8	0.03	0.8
(1,499)	2:79:B:LEU:HD23	2:83:A:ALA:H	20	0.8	0.07	0.79
(1,1608)	2:42:B:LEU:HD13	2:9:A:LEU:H	20	0.79	0.07	0.79
(1,577)	2:46:B:LEU:HD23	2:43:B:PRO:HB2	20	0.79	0.06	0.8
(1,577)	2:46:B:LEU:HD22	2:43:B:PRO:HB2	20	0.79	0.06	0.8
(1,2454)	2:8:A:ALA:HB1	2:11:A:VAL:H	20	0.79	0.04	0.78
(1,2454)	2:8:A:ALA:HB2	2:11:A:VAL:H	20	0.79	0.04	0.78
(1,2454)	2:8:A:ALA:HB3	2:11:A:VAL:H	20	0.79	0.04	0.78
(1,6084)	2:38:A:LEU:HD12	2:36:A:GLU:HA	20	0.78	0.07	0.8
(1,6084)	2:38:A:LEU:HD11	2:39:A:THR:HA	20	0.78	0.07	0.8
(1,6084)	2:38:A:LEU:HD12	2:39:A:THR:HA	20	0.78	0.07	0.8
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG21	20	0.78	0.16	0.79
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG22	20	0.78	0.16	0.79
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG23	20	0.78	0.16	0.79
(1,4026)	2:82:B:ILE:HD12	1:1929:C:VAL:HG21	20	0.78	0.16	0.79
(1,4026)	2:82:B:ILE:HD12	1:1929:C:VAL:HG22	20	0.78	0.16	0.79
(1,4026)	2:82:B:ILE:HD12	1:1929:C:VAL:HG23	20	0.78	0.16	0.79
(1,6033)	2:42:A:LEU:HD12	2:37:A:LEU:HA	20	0.78	0.13	0.79
(1,6033)	2:42:A:LEU:HD13	2:41:A:GLU:HG2	20	0.78	0.13	0.79
(1,6037)	2:42:A:LEU:HD11	2:3:B:CYS:HB3	20	0.78	0.19	0.78
(1,6037)	2:42:A:LEU:HD13	2:3:B:CYS:HB3	20	0.78	0.19	0.78
(1,1053)	2:59:A:MET:HE3	2:75:A:TYR:HD1	20	0.78	0.14	0.72
(1,1053)	2:59:A:MET:HE3	2:75:A:TYR:HD2	20	0.78	0.14	0.72
(1,1053)	2:59:A:MET:HE1	2:75:A:TYR:HD1	20	0.78	0.14	0.72

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1053)	2:59:A:MET:HE1	2:75:A:TYR:HD2	20	0.78	0.14	0.72
(1,1053)	2:59:A:MET:HE2	2:75:A:TYR:HD1	20	0.78	0.14	0.72
(1,1053)	2:59:A:MET:HE2	2:75:A:TYR:HD2	20	0.78	0.14	0.72
(1,4088)	2:84:B:MET:HE3	1:1913:C:GLU:HG3	20	0.78	0.06	0.77
(1,6244)	2:29:B:LEU:HD11	2:34:B:LEU:HB3	20	0.77	0.11	0.79
(1,6244)	2:29:B:LEU:HD13	2:34:B:LEU:HB3	20	0.77	0.11	0.79
(1,6244)	2:29:B:LEU:HD12	2:34:B:LEU:HB3	20	0.77	0.11	0.79
(1,4013)	2:46:B:LEU:HD23	1:1928:C:PHE:HZ	20	0.77	0.08	0.79
(1,4013)	2:46:B:LEU:HD21	1:1928:C:PHE:HZ	20	0.77	0.08	0.79
(1,5120)	1:1934:C:MET:HE1	2:9:A:LEU:HD13	20	0.77	0.07	0.78
(1,5120)	1:1934:C:MET:HE2	2:9:A:LEU:HD13	20	0.77	0.07	0.78
(1,5120)	1:1934:C:MET:HE3	2:9:A:LEU:HD13	20	0.77	0.07	0.78
(1,5120)	1:1934:C:MET:HE1	2:9:A:LEU:HD11	20	0.77	0.07	0.78
(1,5120)	1:1934:C:MET:HE2	2:9:A:LEU:HD11	20	0.77	0.07	0.78
(1,5120)	1:1934:C:MET:HE3	2:9:A:LEU:HD11	20	0.77	0.07	0.78
(1,5120)	1:1934:C:MET:HE1	2:9:A:LEU:HD12	20	0.77	0.07	0.78
(1,5120)	1:1934:C:MET:HE2	2:9:A:LEU:HD12	20	0.77	0.07	0.78
(1,5120)	1:1934:C:MET:HE3	2:9:A:LEU:HD12	20	0.77	0.07	0.78
(1,6240)	2:29:A:LEU:HD11	2:34:A:LEU:HB3	20	0.77	0.11	0.8
(1,6240)	2:29:A:LEU:HD13	2:34:A:LEU:HB3	20	0.77	0.11	0.8
(1,6240)	2:29:A:LEU:HD12	2:34:A:LEU:HB3	20	0.77	0.11	0.8
(1,6619)	2:2:A:ALA:HB2	2:6:A:GLU:H	20	0.77	0.12	0.76
(1,6619)	2:2:A:ALA:HB3	2:6:A:GLU:H	20	0.77	0.12	0.76
(1,6619)	2:2:A:ALA:HB1	2:6:A:GLU:H	20	0.77	0.12	0.76
(1,2281)	2:12:B:MET:HE3	2:76:B:CYS:H	20	0.76	0.21	0.72
(1,2281)	2:12:B:MET:HE2	2:76:B:CYS:H	20	0.76	0.21	0.72
(1,1096)	2:59:B:MET:HE3	2:75:B:TYR:HD1	20	0.76	0.12	0.73
(1,1096)	2:59:B:MET:HE3	2:75:B:TYR:HD2	20	0.76	0.12	0.73
(1,1096)	2:59:B:MET:HE1	2:75:B:TYR:HD1	20	0.76	0.12	0.73
(1,1096)	2:59:B:MET:HE1	2:75:B:TYR:HD2	20	0.76	0.12	0.73
(1,6104)	2:38:B:LEU:HD23	2:82:B:ILE:HB	20	0.76	0.16	0.76
(1,6104)	2:38:B:LEU:HD22	2:82:B:ILE:HB	20	0.76	0.16	0.76
(1,6104)	2:38:B:LEU:HD21	2:82:B:ILE:HB	20	0.76	0.16	0.76
(1,5542)	1:1907:C:ALA:HB1	2:62:A:LEU:HD22	20	0.76	0.14	0.79
(1,5542)	1:1907:C:ALA:HB2	2:62:A:LEU:HD22	20	0.76	0.14	0.79
(1,5542)	1:1907:C:ALA:HB3	2:62:A:LEU:HD22	20	0.76	0.14	0.79
(1,5542)	1:1907:C:ALA:HB1	2:62:A:LEU:HD23	20	0.76	0.14	0.79
(1,5542)	1:1907:C:ALA:HB2	2:62:A:LEU:HD23	20	0.76	0.14	0.79
(1,5542)	1:1907:C:ALA:HB3	2:62:A:LEU:HD23	20	0.76	0.14	0.79
(1,5542)	1:1907:C:ALA:HB1	2:62:A:LEU:HD21	20	0.76	0.14	0.79
(1,5542)	1:1907:C:ALA:HB2	2:62:A:LEU:HD21	20	0.76	0.14	0.79
(1,5542)	1:1907:C:ALA:HB3	2:62:A:LEU:HD21	20	0.76	0.14	0.79

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,6462)	2:12:A:MET:HE2	2:84:B:MET:H	20	0.76	0.25	0.76
(1,460)	2:79:A:LEU:HD23	2:76:A:CYS:HA	20	0.73	0.2	0.77
(1,460)	2:79:A:LEU:HD22	2:76:A:CYS:HA	20	0.73	0.2	0.77
(1,5972)	2:58:B:LEU:HD22	2:62:B:LEU:HD13	20	0.72	0.14	0.72
(1,4002)	2:58:B:LEU:HD13	1:1928:C:PHE:HB2	20	0.71	0.06	0.7
(1,4002)	2:58:B:LEU:HD11	1:1928:C:PHE:HB2	20	0.71	0.06	0.7
(1,4002)	2:58:B:LEU:HD12	1:1928:C:PHE:HB2	20	0.71	0.06	0.7
(1,1570)	2:42:A:LEU:HD13	2:19:A:TYR:HD1	20	0.71	0.25	0.72
(1,1570)	2:42:A:LEU:HD13	2:19:A:TYR:HD2	20	0.71	0.25	0.72
(1,1570)	2:42:A:LEU:HD12	2:19:A:TYR:HD1	20	0.71	0.25	0.72
(1,1570)	2:42:A:LEU:HD12	2:19:A:TYR:HD2	20	0.71	0.25	0.72
(1,1570)	2:42:A:LEU:HD11	2:19:A:TYR:HD1	20	0.71	0.25	0.72
(1,1570)	2:42:A:LEU:HD11	2:19:A:TYR:HD2	20	0.71	0.25	0.72
(1,4018)	2:38:B:LEU:HD21	1:1927:C:PRO:HB2	20	0.71	0.12	0.76
(1,4018)	2:38:B:LEU:HD23	1:1927:C:PRO:HB2	20	0.71	0.12	0.76
(1,4018)	2:38:B:LEU:HD22	1:1927:C:PRO:HB2	20	0.71	0.12	0.76
(1,6270)	2:27:A:PHE:HA	2:75:A:TYR:HD2	20	0.71	0.27	0.64
(1,6270)	2:27:B:PHE:HA	2:75:B:TYR:HD2	20	0.71	0.27	0.64
(1,1098)	2:59:B:MET:HE1	2:62:B:LEU:H	20	0.71	0.24	0.72
(1,1098)	2:59:B:MET:HE2	2:62:B:LEU:H	20	0.71	0.24	0.72
(1,1098)	2:59:B:MET:HE3	2:62:B:LEU:H	20	0.71	0.24	0.72
(1,1156)	2:58:A:LEU:HD23	1:1899:C:GLU:HG3	20	0.7	0.06	0.7
(1,1156)	2:58:A:LEU:HD22	1:1899:C:GLU:HG3	20	0.7	0.06	0.7
(1,1956)	2:34:B:LEU:HD22	2:38:B:LEU:HB2	20	0.7	0.05	0.7
(1,1956)	2:34:B:LEU:HD23	2:38:B:LEU:HB2	20	0.7	0.05	0.7
(1,6631)	2:4:A:PRO:HA	2:8:B:ALA:H	20	0.7	0.04	0.7
(1,6020)	2:46:A:LEU:HD22	1:1900:C:LEU:HG	20	0.69	0.14	0.7
(1,6020)	2:46:A:LEU:HD23	1:1900:C:LEU:HG	20	0.69	0.14	0.7
(1,6020)	2:46:A:LEU:HD21	1:1900:C:LEU:HG	20	0.69	0.14	0.7
(1,5497)	1:1910:C:MET:HE2	2:81:A:CYS:HB2	20	0.69	0.09	0.72
(1,5497)	1:1910:C:MET:HE1	2:81:A:CYS:HB2	20	0.69	0.09	0.72
(1,5497)	1:1910:C:MET:HE3	2:81:A:CYS:HB2	20	0.69	0.09	0.72
(1,245)	2:84:B:MET:HE2	2:85:B:MET:HG2	20	0.69	0.05	0.69
(1,213)	2:84:A:MET:HE1	2:72:B:PHE:HD1	20	0.69	0.14	0.7
(1,213)	2:84:A:MET:HE1	2:72:B:PHE:HD2	20	0.69	0.14	0.7
(1,213)	2:84:A:MET:HE2	2:72:B:PHE:HD1	20	0.69	0.14	0.7
(1,213)	2:84:A:MET:HE2	2:72:B:PHE:HD2	20	0.69	0.14	0.7
(1,2349)	2:11:A:VAL:HG21	2:15:A:THR:HA	20	0.69	0.07	0.69
(1,2349)	2:11:A:VAL:HG23	2:15:A:THR:HA	20	0.69	0.07	0.69
(1,2349)	2:11:A:VAL:HG22	2:15:A:THR:HA	20	0.69	0.07	0.69
(1,5768)	2:83:B:ALA:HB1	2:79:B:LEU:HA	20	0.69	0.11	0.72
(1,5768)	2:83:B:ALA:HB2	2:79:B:LEU:HA	20	0.69	0.11	0.72

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5742)	2:85:B:MET:HE2	1:1921:C:LEU:HD12	20	0.68	0.18	0.72
(1,5742)	2:85:B:MET:HE1	1:1926:C:LEU:HD13	20	0.68	0.18	0.72
(1,5742)	2:85:B:MET:HE2	1:1921:C:LEU:HD13	20	0.68	0.18	0.72
(1,5742)	2:85:B:MET:HE1	1:1926:C:LEU:HD12	20	0.68	0.18	0.72
(1,5742)	2:85:B:MET:HE2	1:1921:C:LEU:HD11	20	0.68	0.18	0.72
(1,5742)	2:85:B:MET:HE1	1:1921:C:LEU:HD13	20	0.68	0.18	0.72
(1,5742)	2:85:B:MET:HE1	1:1926:C:LEU:HD11	20	0.68	0.18	0.72
(1,2451)	2:8:A:ALA:HB2	2:12:A:MET:H	20	0.68	0.1	0.7
(1,2451)	2:8:A:ALA:HB3	2:12:A:MET:H	20	0.68	0.1	0.7
(1,2451)	2:8:A:ALA:HB1	2:12:A:MET:H	20	0.68	0.1	0.7
(1,1093)	2:59:B:MET:HE2	2:30:B:ASN:HD22	20	0.68	0.12	0.64
(1,1093)	2:59:B:MET:HE3	2:30:B:ASN:HD22	20	0.68	0.12	0.64
(1,2452)	2:8:B:ALA:HB2	2:12:B:MET:H	20	0.68	0.09	0.7
(1,2452)	2:8:B:ALA:HB3	2:12:B:MET:H	20	0.68	0.09	0.7
(1,2452)	2:8:B:ALA:HB1	2:12:B:MET:H	20	0.68	0.09	0.7
(1,4028)	2:82:B:ILE:HG22	1:1926:C:LEU:HD11	20	0.68	0.14	0.7
(1,4028)	2:82:B:ILE:HG22	1:1926:C:LEU:HD12	20	0.68	0.14	0.7
(1,4028)	2:82:B:ILE:HG22	1:1926:C:LEU:HD13	20	0.68	0.14	0.7
(1,4028)	2:82:B:ILE:HG21	1:1926:C:LEU:HD11	20	0.68	0.14	0.7
(1,4028)	2:82:B:ILE:HG21	1:1926:C:LEU:HD12	20	0.68	0.14	0.7
(1,4028)	2:82:B:ILE:HG21	1:1926:C:LEU:HD13	20	0.68	0.14	0.7
(1,4028)	2:82:B:ILE:HG23	1:1926:C:LEU:HD11	20	0.68	0.14	0.7
(1,4028)	2:82:B:ILE:HG23	1:1926:C:LEU:HD12	20	0.68	0.14	0.7
(1,4028)	2:82:B:ILE:HG23	1:1926:C:LEU:HD13	20	0.68	0.14	0.7
(1,6433)	2:12:B:MET:HG3	2:13:B:VAL:HG12	20	0.67	0.29	0.71
(1,6433)	2:12:B:MET:HG3	2:13:B:VAL:HG11	20	0.67	0.29	0.71
(1,6433)	2:12:B:MET:HG3	2:11:B:VAL:HG12	20	0.67	0.29	0.71
(1,6433)	2:12:B:MET:HG3	2:11:B:VAL:HG11	20	0.67	0.29	0.71
(1,6019)	2:46:A:LEU:HD21	2:55:A:PHE:HA	20	0.67	0.26	0.63
(1,6019)	2:46:A:LEU:HD22	2:55:A:PHE:HA	20	0.67	0.26	0.63
(1,6019)	2:46:A:LEU:HD23	2:55:A:PHE:HA	20	0.67	0.26	0.63
(1,4180)	2:46:A:LEU:HD22	1:1900:C:LEU:HB3	20	0.66	0.2	0.74
(1,4180)	2:46:A:LEU:HD23	1:1900:C:LEU:HB3	20	0.66	0.2	0.74
(1,4180)	2:46:A:LEU:HD21	1:1900:C:LEU:HB3	20	0.66	0.2	0.74
(1,6461)	2:12:A:MET:HE3	2:76:A:CYS:H	20	0.66	0.21	0.74
(1,6461)	2:12:A:MET:HE1	2:13:A:VAL:H	20	0.66	0.21	0.74
(1,6461)	2:12:A:MET:HE2	2:11:A:VAL:H	20	0.66	0.21	0.74
(1,6461)	2:12:A:MET:HE2	2:13:A:VAL:H	20	0.66	0.21	0.74
(1,2889)	2:49:A:ARG:H	2:54:A:ALA:HB2	20	0.66	0.23	0.62
(1,2889)	2:49:A:ARG:H	2:54:A:ALA:HB1	20	0.66	0.23	0.62
(1,2889)	2:49:A:ARG:H	2:54:A:ALA:HB3	20	0.66	0.23	0.62
(1,2570)	2:84:B:MET:HE1	2:72:A:PHE:HZ	20	0.65	0.05	0.64

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2031)	2:29:A:LEU:HD12	2:37:A:LEU:HD11	20	0.65	0.14	0.67
(1,2031)	2:29:A:LEU:HD12	2:37:A:LEU:HD13	20	0.65	0.14	0.67
(1,2031)	2:29:A:LEU:HD11	2:37:A:LEU:HD13	20	0.65	0.14	0.67
(1,2031)	2:29:A:LEU:HD12	2:37:A:LEU:HD12	20	0.65	0.14	0.67
(1,2031)	2:29:A:LEU:HD11	2:37:A:LEU:HD12	20	0.65	0.14	0.67
(1,2031)	2:29:A:LEU:HD13	2:37:A:LEU:HD12	20	0.65	0.14	0.67
(1,2031)	2:29:A:LEU:HD11	2:37:A:LEU:HD11	20	0.65	0.14	0.67
(1,1903)	2:34:A:LEU:HD13	2:55:A:PHE:HE1	20	0.65	0.17	0.68
(1,1903)	2:34:A:LEU:HD13	2:55:A:PHE:HE2	20	0.65	0.17	0.68
(1,1903)	2:34:A:LEU:HD12	2:55:A:PHE:HD2	20	0.65	0.17	0.68
(1,1903)	2:34:A:LEU:HD12	2:55:A:PHE:HD1	20	0.65	0.17	0.68
(1,6537)	2:8:A:ALA:HB2	2:12:B:MET:HG3	20	0.65	0.24	0.71
(1,6537)	2:8:A:ALA:HB3	2:12:B:MET:HG3	20	0.65	0.24	0.71
(1,6537)	2:8:A:ALA:HB1	2:12:B:MET:HG3	20	0.65	0.24	0.71
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD21	20	0.65	0.18	0.7
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD22	20	0.65	0.18	0.7
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD23	20	0.65	0.18	0.7
(1,4186)	2:42:A:LEU:HD11	1:1900:C:LEU:HD21	20	0.65	0.18	0.7
(1,4186)	2:42:A:LEU:HD11	1:1900:C:LEU:HD22	20	0.65	0.18	0.7
(1,4186)	2:42:A:LEU:HD11	1:1900:C:LEU:HD23	20	0.65	0.18	0.7
(1,1327)	2:53:B:ALA:HB2	2:56:B:GLN:HB3	20	0.65	0.19	0.7
(1,1327)	2:53:B:ALA:HB3	2:56:B:GLN:HB3	20	0.65	0.19	0.7
(1,1327)	2:53:B:ALA:HB1	2:56:B:GLN:HB3	20	0.65	0.19	0.7
(1,1775)	2:37:B:LEU:HD11	2:29:B:LEU:HD12	20	0.65	0.15	0.66
(1,1775)	2:37:B:LEU:HD13	2:29:B:LEU:HD12	20	0.65	0.15	0.66
(1,1775)	2:37:B:LEU:HD13	2:29:B:LEU:HD11	20	0.65	0.15	0.66
(1,1775)	2:37:B:LEU:HD12	2:29:B:LEU:HD12	20	0.65	0.15	0.66
(1,1775)	2:37:B:LEU:HD12	2:29:B:LEU:HD11	20	0.65	0.15	0.66
(1,1775)	2:37:B:LEU:HD11	2:29:B:LEU:HD11	20	0.65	0.15	0.66
(1,175)	2:85:B:MET:HE3	1:1928:C:PHE:HA	20	0.64	0.07	0.64
(1,175)	2:85:B:MET:HE1	1:1928:C:PHE:HA	20	0.64	0.07	0.64
(1,4061)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	20	0.64	0.12	0.66
(1,5744)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	20	0.64	0.12	0.66
(1,6187)	2:34:A:LEU:HD23	2:36:A:GLU:H	20	0.63	0.07	0.63
(1,6187)	2:34:A:LEU:HD21	2:36:A:GLU:H	20	0.63	0.07	0.63
(1,6443)	2:12:B:MET:HE2	2:82:A:ILE:H	20	0.63	0.11	0.59
(1,1139)	2:58:A:LEU:HD11	1:1899:C:GLU:HG3	20	0.62	0.06	0.62
(1,1139)	2:58:A:LEU:HD12	1:1899:C:GLU:HG3	20	0.62	0.06	0.62
(1,1139)	2:58:A:LEU:HD13	1:1899:C:GLU:HG3	20	0.62	0.06	0.62
(1,3919)	2:58:A:LEU:HD11	1:1899:C:GLU:HG3	20	0.62	0.06	0.62
(1,3919)	2:58:A:LEU:HD12	1:1899:C:GLU:HG3	20	0.62	0.06	0.62
(1,3919)	2:58:A:LEU:HD13	1:1899:C:GLU:HG3	20	0.62	0.06	0.62

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,6105)	2:38:B:LEU:HD21	2:58:B:LEU:HD22	20	0.62	0.17	0.65
(1,6105)	2:38:B:LEU:HD23	2:58:B:LEU:HD22	20	0.62	0.17	0.65
(1,6105)	2:38:B:LEU:HD22	2:58:B:LEU:HD22	20	0.62	0.17	0.65
(1,1988)	2:31:A:LYS:HD2	2:55:A:PHE:HD1	20	0.61	0.22	0.61
(1,1988)	2:31:A:LYS:HD3	2:55:A:PHE:HD2	20	0.61	0.22	0.61
(1,1988)	2:31:A:LYS:HD2	2:55:A:PHE:HD2	20	0.61	0.22	0.61
(1,1988)	2:31:A:LYS:HD3	2:55:A:PHE:HD1	20	0.61	0.22	0.61
(1,6449)	2:12:A:MET:HE2	2:9:A:LEU:HD11	20	0.6	0.19	0.55
(1,6449)	2:12:A:MET:HE1	2:9:A:LEU:HD12	20	0.6	0.19	0.55
(1,6449)	2:12:A:MET:HE1	2:9:A:LEU:HD11	20	0.6	0.19	0.55
(1,6449)	2:12:A:MET:HE2	2:9:A:LEU:HD12	20	0.6	0.19	0.55
(1,6449)	2:12:A:MET:HE2	2:9:A:LEU:HD13	20	0.6	0.19	0.55
(1,6535)	2:8:B:ALA:HA	2:11:B:VAL:HB	20	0.6	0.07	0.6
(1,6535)	2:8:A:ALA:HA	2:11:A:VAL:HB	20	0.6	0.07	0.6
(1,6509)	2:9:B:LEU:HD11	2:6:B:GLU:HA	20	0.6	0.2	0.57
(1,6509)	2:9:B:LEU:HD12	2:6:B:GLU:HA	20	0.6	0.2	0.57
(1,6509)	2:9:B:LEU:HD13	2:6:B:GLU:HA	20	0.6	0.2	0.57
(1,6509)	2:9:B:LEU:HD12	2:12:B:MET:HA	20	0.6	0.2	0.57
(1,1918)	2:34:A:LEU:HD23	2:33:A:GLU:H	20	0.6	0.04	0.6
(1,1918)	2:34:A:LEU:HD21	2:33:A:GLU:H	20	0.6	0.04	0.6
(1,5500)	1:1910:C:MET:HE3	2:73:B:GLN:HA	20	0.6	0.06	0.59
(1,5500)	1:1910:C:MET:HE2	2:73:B:GLN:HA	20	0.6	0.06	0.59
(1,5500)	1:1910:C:MET:HE1	2:73:B:GLN:HA	20	0.6	0.06	0.59
(1,6448)	2:12:A:MET:HE2	2:9:A:LEU:HD23	20	0.59	0.25	0.6
(1,6448)	2:12:A:MET:HE1	2:9:A:LEU:HD21	20	0.59	0.25	0.6
(1,6448)	2:12:A:MET:HE1	2:9:A:LEU:HD23	20	0.59	0.25	0.6
(1,6448)	2:12:A:MET:HE2	2:9:A:LEU:HD21	20	0.59	0.25	0.6
(1,6448)	2:12:A:MET:HE2	2:9:A:LEU:HD22	20	0.59	0.25	0.6
(1,6448)	2:12:A:MET:HE1	2:9:A:LEU:HD22	20	0.59	0.25	0.6
(1,6450)	2:12:A:MET:HE1	2:11:A:VAL:HG21	20	0.59	0.11	0.55
(1,6450)	2:12:A:MET:HE1	2:11:A:VAL:HG23	20	0.59	0.11	0.55
(1,6450)	2:12:A:MET:HE1	2:11:A:VAL:HG22	20	0.59	0.11	0.55
(1,6858)	2:2:B:ALA:H	2:7:B:LYS:HB2	20	0.59	0.08	0.59
(1,2453)	2:8:B:ALA:HB1	2:11:B:VAL:H	20	0.58	0.04	0.58
(1,2453)	2:8:B:ALA:HB2	2:11:B:VAL:H	20	0.58	0.04	0.58
(1,2453)	2:8:B:ALA:HB3	2:11:B:VAL:H	20	0.58	0.04	0.58
(1,355)	2:82:B:ILE:HG23	2:78:B:PHE:HD1	20	0.58	0.1	0.61
(1,355)	2:82:B:ILE:HG23	2:78:B:PHE:HD2	20	0.58	0.1	0.61
(1,355)	2:82:B:ILE:HG22	2:78:B:PHE:HD1	20	0.58	0.1	0.61
(1,355)	2:82:B:ILE:HG22	2:78:B:PHE:HD2	20	0.58	0.1	0.61
(1,355)	2:82:B:ILE:HG21	2:78:B:PHE:HD1	20	0.58	0.1	0.61
(1,355)	2:82:B:ILE:HG21	2:78:B:PHE:HD2	20	0.58	0.1	0.61

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1754)	2:38:B:LEU:HD12	2:34:B:LEU:HG	20	0.58	0.04	0.59
(1,1754)	2:38:B:LEU:HD13	2:34:B:LEU:HG	20	0.58	0.04	0.59
(1,1754)	2:38:B:LEU:HD11	2:34:B:LEU:HG	20	0.58	0.04	0.59
(1,376)	2:82:B:ILE:HG22	1:1929:C:VAL:HG11	20	0.58	0.12	0.57
(1,376)	2:82:B:ILE:HG22	1:1929:C:VAL:HG12	20	0.58	0.12	0.57
(1,376)	2:82:B:ILE:HG22	1:1929:C:VAL:HG13	20	0.58	0.12	0.57
(1,376)	2:82:B:ILE:HG21	1:1929:C:VAL:HG11	20	0.58	0.12	0.57
(1,376)	2:82:B:ILE:HG21	1:1929:C:VAL:HG12	20	0.58	0.12	0.57
(1,376)	2:82:B:ILE:HG21	1:1929:C:VAL:HG13	20	0.58	0.12	0.57
(1,376)	2:82:B:ILE:HG23	1:1929:C:VAL:HG11	20	0.58	0.12	0.57
(1,376)	2:82:B:ILE:HG23	1:1929:C:VAL:HG12	20	0.58	0.12	0.57
(1,376)	2:82:B:ILE:HG23	1:1929:C:VAL:HG13	20	0.58	0.12	0.57
(1,5128)	1:1934:C:MET:HE1	2:13:A:VAL:HA	20	0.58	0.36	0.53
(1,5128)	1:1934:C:MET:HE2	2:6:A:GLU:HA	20	0.58	0.36	0.53
(1,5128)	1:1934:C:MET:HE3	2:13:A:VAL:HA	20	0.58	0.36	0.53
(1,5128)	1:1934:C:MET:HE1	2:6:A:GLU:HA	20	0.58	0.36	0.53
(1,5128)	1:1934:C:MET:HE2	2:13:A:VAL:HA	20	0.58	0.36	0.53
(1,5128)	1:1934:C:MET:HE3	2:6:A:GLU:HA	20	0.58	0.36	0.53
(1,1609)	2:42:B:LEU:HD11	2:45:B:PHE:H	20	0.57	0.14	0.6
(1,3908)	2:38:A:LEU:HD11	1:1900:C:LEU:HB3	20	0.57	0.09	0.56
(1,3908)	2:38:A:LEU:HD12	1:1900:C:LEU:HB3	20	0.57	0.09	0.56
(1,3908)	2:38:A:LEU:HD13	1:1900:C:LEU:HB3	20	0.57	0.09	0.56
(1,961)	2:62:B:LEU:HD23	2:78:B:PHE:H	20	0.57	0.15	0.6
(1,961)	2:62:B:LEU:HD22	2:78:B:PHE:H	20	0.57	0.15	0.6
(1,961)	2:62:B:LEU:HD21	2:78:B:PHE:H	20	0.57	0.15	0.6
(1,3985)	2:62:B:LEU:HD21	1:1917:C:LEU:HA	20	0.56	0.11	0.55
(1,3985)	2:62:B:LEU:HD23	1:1917:C:LEU:HA	20	0.56	0.11	0.55
(1,3985)	2:62:B:LEU:HD22	1:1917:C:LEU:HA	20	0.56	0.11	0.55
(1,1347)	2:52:A:GLU:HG2	2:35:A:LYS:HD2	20	0.56	0.12	0.53
(1,1347)	2:52:A:GLU:HG2	2:35:A:LYS:HD3	20	0.56	0.12	0.53
(1,1347)	2:52:A:GLU:HG3	2:35:A:LYS:HD2	20	0.56	0.12	0.53
(1,1317)	2:53:A:ALA:HB1	2:52:A:GLU:HG2	20	0.55	0.15	0.54
(1,1317)	2:53:A:ALA:HB2	2:52:A:GLU:HG2	20	0.55	0.15	0.54
(1,1317)	2:53:A:ALA:HB3	2:52:A:GLU:HG2	20	0.55	0.15	0.54
(1,1951)	2:34:B:LEU:HD22	2:31:B:LYS:HA	20	0.55	0.12	0.57
(1,1951)	2:34:B:LEU:HD23	2:31:B:LYS:HA	20	0.55	0.12	0.57
(1,5971)	2:58:B:LEU:HD11	1:1921:C:LEU:HB2	20	0.55	0.28	0.61
(1,1914)	2:34:A:LEU:HD22	2:31:A:LYS:HA	20	0.54	0.13	0.56
(1,1914)	2:34:A:LEU:HD23	2:31:A:LYS:HA	20	0.54	0.13	0.56
(1,1052)	2:59:A:MET:HE2	2:62:A:LEU:H	20	0.54	0.13	0.6
(1,1052)	2:59:A:MET:HE3	2:62:A:LEU:H	20	0.54	0.13	0.6
(1,1052)	2:59:A:MET:HE1	2:62:A:LEU:H	20	0.54	0.13	0.6

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5630)	1:1903:C:ALA:HB1	2:9:B:LEU:HD13	20	0.54	0.18	0.54
(1,5630)	1:1903:C:ALA:HB2	2:9:B:LEU:HD13	20	0.54	0.18	0.54
(1,5630)	1:1903:C:ALA:HB3	2:9:B:LEU:HD13	20	0.54	0.18	0.54
(1,5630)	1:1903:C:ALA:HB1	2:9:B:LEU:HD11	20	0.54	0.18	0.54
(1,5630)	1:1903:C:ALA:HB2	2:9:B:LEU:HD11	20	0.54	0.18	0.54
(1,5630)	1:1903:C:ALA:HB3	2:9:B:LEU:HD11	20	0.54	0.18	0.54
(1,5630)	1:1903:C:ALA:HB1	2:9:B:LEU:HD12	20	0.54	0.18	0.54
(1,5630)	1:1903:C:ALA:HB2	2:9:B:LEU:HD12	20	0.54	0.18	0.54
(1,5630)	1:1903:C:ALA:HB3	2:9:B:LEU:HD12	20	0.54	0.18	0.54
(1,1563)	2:42:A:LEU:HD12	2:34:A:LEU:HA	20	0.54	0.13	0.56
(1,1652)	2:39:A:THR:HB	2:36:A:GLU:HB2	20	0.54	0.11	0.56
(1,1652)	2:39:A:THR:HB	2:36:A:GLU:HB3	20	0.54	0.11	0.56
(1,558)	2:77:A:VAL:HG22	1:1910:C:MET:H	20	0.53	0.08	0.56
(1,505)	2:79:B:LEU:HD22	2:78:B:PHE:HZ	20	0.53	0.03	0.53
(1,5948)	2:59:A:MET:HE2	2:69:A:GLU:H	20	0.53	0.19	0.56
(1,5948)	2:59:A:MET:HE3	2:69:A:GLU:H	20	0.53	0.19	0.56
(1,5948)	2:59:A:MET:HE1	2:69:A:GLU:H	20	0.53	0.19	0.56
(1,1695)	2:38:A:LEU:HD12	2:42:A:LEU:H	20	0.53	0.13	0.51
(1,1695)	2:38:A:LEU:HD13	2:42:A:LEU:H	20	0.53	0.13	0.51
(1,1695)	2:38:A:LEU:HD11	2:42:A:LEU:H	20	0.53	0.13	0.51
(1,584)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	20	0.53	0.07	0.54
(1,3931)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	20	0.53	0.07	0.54
(1,583)	2:77:A:VAL:HG22	1:1910:C:MET:HG2	20	0.53	0.14	0.52
(1,6487)	2:11:A:VAL:HG11	2:4:B:PRO:HD2	20	0.52	0.09	0.52
(1,6487)	2:11:A:VAL:HG13	2:4:B:PRO:HD2	20	0.52	0.09	0.52
(1,6487)	2:11:A:VAL:HG12	2:4:B:PRO:HD2	20	0.52	0.09	0.52
(1,6487)	2:11:A:VAL:HG13	2:4:B:PRO:HD3	20	0.52	0.09	0.52
(1,1954)	2:34:B:LEU:HD22	2:38:B:LEU:HG	20	0.5	0.08	0.49
(1,1954)	2:34:B:LEU:HD23	2:38:B:LEU:HG	20	0.5	0.08	0.49
(1,3954)	2:77:B:VAL:HG12	1:1914:C:VAL:HG11	20	0.5	0.08	0.49
(1,3954)	2:77:B:VAL:HG12	1:1914:C:VAL:HG12	20	0.5	0.08	0.49
(1,3954)	2:77:B:VAL:HG12	1:1914:C:VAL:HG13	20	0.5	0.08	0.49
(1,3954)	2:77:B:VAL:HG13	1:1914:C:VAL:HG11	20	0.5	0.08	0.49
(1,3954)	2:77:B:VAL:HG13	1:1914:C:VAL:HG12	20	0.5	0.08	0.49
(1,3954)	2:77:B:VAL:HG13	1:1914:C:VAL:HG13	20	0.5	0.08	0.49
(1,3954)	2:77:B:VAL:HG11	1:1914:C:VAL:HG11	20	0.5	0.08	0.49
(1,3954)	2:77:B:VAL:HG11	1:1914:C:VAL:HG12	20	0.5	0.08	0.49
(1,3954)	2:77:B:VAL:HG11	1:1914:C:VAL:HG13	20	0.5	0.08	0.49
(1,1091)	2:59:B:MET:HE3	2:69:B:GLU:H	20	0.49	0.09	0.48
(1,1091)	2:59:B:MET:HE2	2:69:B:GLU:H	20	0.49	0.09	0.48
(1,4155)	2:58:A:LEU:HD11	1:1903:C:ALA:H	20	0.49	0.18	0.44
(1,4155)	2:58:A:LEU:HD12	1:1903:C:ALA:H	20	0.49	0.18	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4155)	2:58:A:LEU:HD13	1:1903:C:ALA:H	20	0.49	0.18	0.44
(1,2517)	2:5:B:LEU:HD21	2:9:B:LEU:HD11	20	0.49	0.1	0.48
(1,2517)	2:5:B:LEU:HD23	2:9:B:LEU:HD13	20	0.49	0.1	0.48
(1,2517)	2:5:B:LEU:HD23	2:9:B:LEU:HD12	20	0.49	0.1	0.48
(1,2517)	2:5:B:LEU:HD21	2:9:B:LEU:HD12	20	0.49	0.1	0.48
(1,2517)	2:5:B:LEU:HD23	2:9:B:LEU:HD11	20	0.49	0.1	0.48
(1,2517)	2:5:B:LEU:HD21	2:9:B:LEU:HD13	20	0.49	0.1	0.48
(1,1033)	2:59:A:MET:HE2	2:68:A:ASN:HB2	20	0.48	0.19	0.52
(1,1033)	2:59:A:MET:HE3	2:68:A:ASN:HB2	20	0.48	0.19	0.52
(1,1033)	2:59:A:MET:HE1	2:68:A:ASN:HB2	20	0.48	0.19	0.52
(1,1107)	2:59:B:MET:HE3	2:71:B:ASP:H	20	0.48	0.08	0.5
(1,1107)	2:59:B:MET:HE1	2:71:B:ASP:H	20	0.48	0.08	0.5
(1,246)	2:84:B:MET:HE2	1:1918:C:LYS:HE3	20	0.48	0.17	0.55
(1,246)	2:84:B:MET:HE2	1:1918:C:LYS:HE2	20	0.48	0.17	0.55
(1,5009)	1:1909:C:ALA:H	1:1905:C:GLU:HB3	20	0.48	0.05	0.48
(1,5009)	1:1909:C:ALA:H	1:1905:C:GLU:HB2	20	0.48	0.05	0.48
(1,2317)	2:12:A:MET:HE1	2:12:A:MET:H	20	0.47	0.13	0.52
(1,4065)	2:85:B:MET:HE3	1:1930:C:VAL:HA	20	0.47	0.06	0.47
(1,6071)	2:39:B:THR:HG22	2:38:B:LEU:HB3	20	0.46	0.1	0.45
(1,6071)	2:39:B:THR:HG23	2:38:B:LEU:HB3	20	0.46	0.1	0.45
(1,6071)	2:39:B:THR:HG21	2:38:B:LEU:HB3	20	0.46	0.1	0.45
(1,243)	2:84:B:MET:HE2	2:85:B:MET:HB2	20	0.46	0.07	0.44
(1,3979)	2:62:B:LEU:HD12	1:1920:C:LYS:HG3	20	0.46	0.08	0.46
(1,4150)	2:61:B:ASN:HA	1:1926:C:LEU:HG	20	0.46	0.17	0.42
(1,4150)	2:61:B:ASN:HA	1:1921:C:LEU:HB3	20	0.46	0.17	0.42
(1,6067)	2:40:A:ARG:HD3	2:19:A:TYR:HE1	20	0.45	0.18	0.5
(1,6067)	2:40:B:ARG:HD3	2:19:B:TYR:HE2	20	0.45	0.18	0.5
(1,6067)	2:40:A:ARG:HD3	2:19:A:TYR:HE2	20	0.45	0.18	0.5
(1,6067)	2:40:B:ARG:HD3	2:19:B:TYR:HE1	20	0.45	0.18	0.5
(1,6183)	2:34:A:LEU:HD22	2:38:A:LEU:HG	20	0.45	0.09	0.44
(1,6183)	2:34:A:LEU:HD23	2:38:A:LEU:HG	20	0.45	0.09	0.44
(1,3948)	2:77:A:VAL:HG13	1:1910:C:MET:HA	20	0.44	0.1	0.46
(1,3948)	2:77:A:VAL:HG11	1:1910:C:MET:HA	20	0.44	0.1	0.46
(1,3948)	2:77:A:VAL:HG12	1:1910:C:MET:HA	20	0.44	0.1	0.46
(1,6557)	2:8:A:ALA:HB1	2:6:A:GLU:H	20	0.44	0.06	0.46
(1,6557)	2:8:A:ALA:HB2	2:6:A:GLU:H	20	0.44	0.06	0.46
(1,6557)	2:8:A:ALA:HB3	2:6:A:GLU:H	20	0.44	0.06	0.46
(1,6557)	2:8:B:ALA:HB3	2:6:B:GLU:H	20	0.44	0.06	0.46
(1,1079)	2:59:B:MET:HE2	2:59:B:MET:HG3	20	0.44	0.04	0.43
(1,1079)	2:59:B:MET:HE1	2:59:B:MET:HG3	20	0.44	0.04	0.43
(1,1332)	2:53:B:ALA:HB2	2:56:B:GLN:H	20	0.44	0.13	0.43
(1,1332)	2:53:B:ALA:HB3	2:56:B:GLN:H	20	0.44	0.13	0.43

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1332)	2:53:B:ALA:HB1	2:56:B:GLN:H	20	0.44	0.13	0.43
(1,4078)	2:84:A:MET:HE3	1:1910:C:MET:HB3	20	0.44	0.06	0.44
(1,5486)	1:1910:C:MET:HE3	2:77:B:VAL:HG13	20	0.42	0.06	0.42
(1,5486)	1:1910:C:MET:HE3	2:77:B:VAL:HG11	20	0.42	0.06	0.42
(1,5486)	1:1910:C:MET:HE2	2:77:B:VAL:HG11	20	0.42	0.06	0.42
(1,5486)	1:1910:C:MET:HE2	2:77:B:VAL:HG12	20	0.42	0.06	0.42
(1,5486)	1:1910:C:MET:HE1	2:77:B:VAL:HG12	20	0.42	0.06	0.42
(1,5486)	1:1910:C:MET:HE1	2:77:B:VAL:HG11	20	0.42	0.06	0.42
(1,5486)	1:1910:C:MET:HE3	2:77:B:VAL:HG12	20	0.42	0.06	0.42
(1,5486)	1:1910:C:MET:HE1	2:77:B:VAL:HG13	20	0.42	0.06	0.42
(1,2279)	2:12:B:MET:HE2	2:83:A:ALA:H	20	0.42	0.09	0.38
(1,6436)	2:12:B:MET:HE2	2:9:B:LEU:HD11	20	0.42	0.2	0.37
(1,6436)	2:12:B:MET:HE1	2:9:B:LEU:HD12	20	0.42	0.2	0.37
(1,6436)	2:12:B:MET:HE1	2:9:B:LEU:HD11	20	0.42	0.2	0.37
(1,6436)	2:12:B:MET:HE2	2:9:B:LEU:HD12	20	0.42	0.2	0.37
(1,6436)	2:12:B:MET:HE2	2:9:B:LEU:HD13	20	0.42	0.2	0.37
(1,2414)	2:9:B:LEU:HD22	2:82:A:ILE:HG22	20	0.42	0.05	0.42
(1,2414)	2:9:B:LEU:HD23	2:82:A:ILE:HG22	20	0.42	0.05	0.42
(1,2414)	2:9:B:LEU:HD21	2:82:A:ILE:HG22	20	0.42	0.05	0.42
(1,1961)	2:34:B:LEU:HD22	2:62:B:LEU:HD13	20	0.41	0.16	0.41
(1,1961)	2:34:B:LEU:HD21	2:62:B:LEU:HD11	20	0.41	0.16	0.41
(1,1961)	2:34:B:LEU:HD23	2:62:B:LEU:HD13	20	0.41	0.16	0.41
(1,1961)	2:34:B:LEU:HD22	2:62:B:LEU:HD11	20	0.41	0.16	0.41
(1,753)	2:70:B:VAL:HG22	2:74:B:GLU:H	20	0.4	0.1	0.4
(1,753)	2:70:B:VAL:HG21	2:74:B:GLU:H	20	0.4	0.1	0.4
(1,5783)	2:82:A:ILE:HD12	2:79:A:LEU:H	20	0.4	0.11	0.42
(1,5783)	2:82:A:ILE:HD11	2:79:A:LEU:H	20	0.4	0.11	0.42
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD1	20	0.4	0.26	0.35
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD2	20	0.4	0.26	0.35
(1,2271)	2:12:B:MET:HE3	2:79:B:LEU:HA	20	0.39	0.14	0.44
(1,1461)	2:46:A:LEU:HD23	2:39:A:THR:H	20	0.39	0.06	0.39
(1,1461)	2:46:A:LEU:HD21	2:39:A:THR:H	20	0.39	0.06	0.39
(1,1461)	2:46:A:LEU:HD22	2:39:A:THR:H	20	0.39	0.06	0.39
(1,5756)	2:84:B:MET:HE2	1:1918:C:LYS:HA	20	0.39	0.09	0.4
(1,5756)	2:84:B:MET:HE1	2:73:A:GLN:HA	20	0.39	0.09	0.4
(1,4049)	2:85:A:MET:HE2	1:1899:C:GLU:H	20	0.38	0.06	0.38
(1,4982)	1:1911:C:ASN:HD22	1:1915:C:SER:HA	20	0.37	0.14	0.34
(1,5761)	2:83:A:ALA:HB3	2:80:A:SER:H	20	0.37	0.17	0.35
(1,5761)	2:83:A:ALA:HB1	2:80:A:SER:H	20	0.37	0.17	0.35
(1,5761)	2:83:A:ALA:HB2	2:80:A:SER:H	20	0.37	0.17	0.35
(1,602)	2:77:B:VAL:HG11	2:77:B:VAL:HA	20	0.37	0.03	0.38
(1,602)	2:77:B:VAL:HG12	2:77:B:VAL:HA	20	0.37	0.03	0.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,602)	2:77:B:VAL:HG13	2:77:B:VAL:HA	20	0.37	0.03	0.38
(1,132)	2:85:A:MET:HE3	2:83:A:ALA:H	20	0.36	0.04	0.36
(1,6595)	2:5:B:LEU:HD23	2:78:A:PHE:HE2	20	0.36	0.04	0.36
(1,6595)	2:5:B:LEU:HD22	2:78:A:PHE:HE2	20	0.36	0.04	0.36
(1,2311)	2:12:A:MET:HE3	2:12:A:MET:HA	20	0.35	0.09	0.38
(1,2311)	2:12:A:MET:HE1	2:12:A:MET:HA	20	0.35	0.09	0.38
(1,2554)	2:5:A:LEU:HD21	2:9:A:LEU:HD11	20	0.34	0.1	0.34
(1,2554)	2:5:A:LEU:HD23	2:9:A:LEU:HD13	20	0.34	0.1	0.34
(1,2554)	2:5:A:LEU:HD23	2:9:A:LEU:HD12	20	0.34	0.1	0.34
(1,2554)	2:5:A:LEU:HD21	2:9:A:LEU:HD12	20	0.34	0.1	0.34
(1,2554)	2:5:A:LEU:HD21	2:9:A:LEU:HD13	20	0.34	0.1	0.34
(1,2554)	2:5:A:LEU:HD23	2:9:A:LEU:HD11	20	0.34	0.1	0.34
(1,142)	2:85:A:MET:HE2	2:85:A:MET:HG3	20	0.33	0.03	0.32
(1,142)	2:85:A:MET:HE3	2:85:A:MET:HG3	20	0.33	0.03	0.32
(1,1691)	2:38:A:LEU:HD21	2:39:A:THR:H	20	0.33	0.08	0.35
(1,1691)	2:38:A:LEU:HD23	2:39:A:THR:H	20	0.33	0.08	0.35
(1,1691)	2:38:A:LEU:HD22	2:39:A:THR:H	20	0.33	0.08	0.35
(1,5925)	2:62:B:LEU:HD13	2:58:B:LEU:HG	20	0.32	0.15	0.29
(1,174)	2:85:B:MET:HE2	2:85:B:MET:HA	20	0.31	0.05	0.32
(1,2229)	2:13:B:VAL:HG22	2:13:B:VAL:HA	20	0.31	0.02	0.3
(1,2229)	2:13:B:VAL:HG21	2:13:B:VAL:HA	20	0.31	0.02	0.3
(1,2229)	2:13:B:VAL:HG23	2:13:B:VAL:HA	20	0.31	0.02	0.3
(1,1085)	2:59:B:MET:HE2	2:31:B:LYS:HA	20	0.3	0.07	0.28
(1,1085)	2:59:B:MET:HE1	2:31:B:LYS:HA	20	0.3	0.07	0.28
(1,525)	2:79:B:LEU:HD21	2:82:B:ILE:HB	20	0.3	0.05	0.3
(1,2610)	2:2:A:ALA:H	2:2:B:ALA:HB3	20	0.3	0.07	0.3
(1,2610)	2:2:A:ALA:H	2:2:B:ALA:HB1	20	0.3	0.07	0.3
(1,2610)	2:2:A:ALA:H	2:2:B:ALA:HB2	20	0.3	0.07	0.3
(1,248)	2:84:B:MET:HE1	2:80:B:SER:HB3	20	0.3	0.05	0.32
(1,6474)	2:11:B:VAL:HG11	2:11:B:VAL:HG22	20	0.3	0.01	0.29
(1,6474)	2:11:B:VAL:HG11	2:11:B:VAL:HG21	20	0.3	0.01	0.29
(1,6474)	2:11:B:VAL:HG13	2:11:B:VAL:HG22	20	0.3	0.01	0.29
(1,6474)	2:11:B:VAL:HG12	2:11:B:VAL:HG22	20	0.3	0.01	0.29
(1,6474)	2:11:A:VAL:HG12	2:11:A:VAL:HG22	20	0.3	0.01	0.29
(1,6474)	2:11:B:VAL:HG13	2:11:B:VAL:HG23	20	0.3	0.01	0.29
(1,6474)	2:11:B:VAL:HG13	2:11:B:VAL:HG21	20	0.3	0.01	0.29
(1,6474)	2:11:B:VAL:HG12	2:11:B:VAL:HG21	20	0.3	0.01	0.29
(1,6474)	2:11:B:VAL:HG11	2:11:B:VAL:HG23	20	0.3	0.01	0.29
(1,6474)	2:11:A:VAL:HG13	2:11:A:VAL:HG21	20	0.3	0.01	0.29
(1,6474)	2:11:A:VAL:HG13	2:11:A:VAL:HG22	20	0.3	0.01	0.29
(1,4994)	1:1910:C:MET:H	2:73:B:GLN:HB3	20	0.29	0.05	0.28
(1,2383)	2:9:B:LEU:HD12	2:82:A:ILE:HG13	20	0.28	0.06	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2383)	2:9:B:LEU:HD13	2:82:A:ILE:HG13	20	0.28	0.06	0.28
(1,2383)	2:9:B:LEU:HD11	2:82:A:ILE:HG13	20	0.28	0.06	0.28
(1,6493)	2:11:B:VAL:HG21	2:11:B:VAL:HA	20	0.28	0.01	0.28
(1,6493)	2:11:B:VAL:HG23	2:11:B:VAL:HA	20	0.28	0.01	0.28
(1,6493)	2:11:A:VAL:HG22	2:11:A:VAL:HA	20	0.28	0.01	0.28
(1,6493)	2:11:B:VAL:HG22	2:11:B:VAL:HA	20	0.28	0.01	0.28
(1,6493)	2:11:A:VAL:HG23	2:11:A:VAL:HA	20	0.28	0.01	0.28
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE1	20	0.27	0.03	0.28
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE2	20	0.27	0.03	0.28
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG21	20	0.27	0.05	0.27
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG22	20	0.27	0.05	0.27
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG23	20	0.27	0.05	0.27
(1,6099)	2:38:B:LEU:HD22	2:39:B:THR:HA	20	0.27	0.08	0.28
(1,6099)	2:38:B:LEU:HD21	2:39:B:THR:HA	20	0.27	0.08	0.28
(1,6099)	2:38:B:LEU:HD23	2:39:B:THR:HA	20	0.27	0.08	0.28
(1,6087)	2:38:A:LEU:HD22	2:39:A:THR:HA	20	0.27	0.08	0.28
(1,6087)	2:38:A:LEU:HD21	2:39:A:THR:HA	20	0.27	0.08	0.28
(1,6087)	2:38:A:LEU:HD23	2:39:A:THR:HA	20	0.27	0.08	0.28
(1,4046)	2:85:A:MET:HE2	1:1899:C:GLU:HB3	20	0.26	0.06	0.25
(1,5406)	1:1914:C:VAL:HG11	1:1918:C:LYS:HA	20	0.25	0.05	0.23
(1,5406)	1:1914:C:VAL:HG12	1:1918:C:LYS:HA	20	0.25	0.05	0.23
(1,5406)	1:1914:C:VAL:HG13	1:1918:C:LYS:HA	20	0.25	0.05	0.23
(1,1387)	2:50:B:THR:HG23	2:50:B:THR:HB	20	0.25	0.01	0.25
(1,1387)	2:50:B:THR:HG22	2:50:B:THR:HB	20	0.25	0.01	0.25
(1,1387)	2:50:B:THR:HG21	2:50:B:THR:HB	20	0.25	0.01	0.25
(1,1371)	2:50:A:THR:HG22	2:50:A:THR:HB	20	0.24	0.01	0.24
(1,1371)	2:50:A:THR:HG21	2:50:A:THR:HB	20	0.24	0.01	0.24
(1,1371)	2:50:A:THR:HG23	2:50:A:THR:HB	20	0.24	0.01	0.24
(1,2993)	2:62:A:LEU:H	2:60:A:SER:HB3	20	0.24	0.06	0.22
(1,612)	2:77:B:VAL:HG22	2:77:B:VAL:HB	20	0.24	0.03	0.24
(1,612)	2:77:B:VAL:HG21	2:77:B:VAL:HB	20	0.24	0.03	0.24
(1,1715)	2:38:A:LEU:HD22	2:38:A:LEU:HG	20	0.23	0.0	0.23
(1,1715)	2:38:A:LEU:HD21	2:38:A:LEU:HG	20	0.23	0.0	0.23
(1,1715)	2:38:A:LEU:HD23	2:38:A:LEU:HG	20	0.23	0.0	0.23
(1,2332)	2:11:B:VAL:HG11	2:11:B:VAL:HB	20	0.23	0.01	0.23
(1,2332)	2:11:B:VAL:HG13	2:11:B:VAL:HB	20	0.23	0.01	0.23
(1,2332)	2:11:B:VAL:HG12	2:11:B:VAL:HB	20	0.23	0.01	0.23
(1,5834)	2:77:B:VAL:HG11	2:62:B:LEU:HA	20	0.23	0.08	0.24
(1,5834)	2:77:B:VAL:HG13	1:1910:C:MET:HA	20	0.23	0.08	0.24
(1,5834)	2:77:B:VAL:HG12	2:62:B:LEU:HA	20	0.23	0.08	0.24
(1,5834)	2:77:B:VAL:HG13	2:62:B:LEU:HA	20	0.23	0.08	0.24
(1,5834)	2:77:B:VAL:HG11	1:1910:C:MET:HA	20	0.23	0.08	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,6176)	2:34:A:LEU:HD12	2:33:A:GLU:HB2	20	0.23	0.05	0.22
(1,1482)	2:46:A:LEU:HD23	2:46:A:LEU:HG	20	0.22	0.02	0.22
(1,1482)	2:46:A:LEU:HD22	2:46:A:LEU:HG	20	0.22	0.02	0.22
(1,1482)	2:46:A:LEU:HD21	2:46:A:LEU:HG	20	0.22	0.02	0.22
(1,1711)	2:38:A:LEU:HD12	2:38:A:LEU:HG	20	0.22	0.01	0.22
(1,1711)	2:38:A:LEU:HD13	2:38:A:LEU:HG	20	0.22	0.01	0.22
(1,1711)	2:38:A:LEU:HD11	2:38:A:LEU:HG	20	0.22	0.01	0.22
(1,5323)	1:1918:C:LYS:HB3	1:1917:C:LEU:HA	20	0.22	0.05	0.22
(1,1302)	2:54:B:ALA:HB3	2:55:B:PHE:H	20	0.21	0.06	0.22
(1,1302)	2:54:B:ALA:HB2	2:55:B:PHE:H	20	0.21	0.06	0.22
(1,1302)	2:54:B:ALA:HB1	2:55:B:PHE:H	20	0.21	0.06	0.22
(1,2498)	2:5:B:LEU:HD12	2:75:A:TYR:HE1	20	0.21	0.04	0.2
(1,2498)	2:5:B:LEU:HD12	2:75:A:TYR:HE2	20	0.21	0.04	0.2
(1,2498)	2:5:B:LEU:HD11	2:75:A:TYR:HE1	20	0.21	0.04	0.2
(1,2498)	2:5:B:LEU:HD11	2:75:A:TYR:HE2	20	0.21	0.04	0.2
(1,1045)	2:59:A:MET:HE1	2:31:A:LYS:H	20	0.21	0.03	0.2
(1,1045)	2:59:A:MET:HE2	2:31:A:LYS:H	20	0.21	0.03	0.2
(1,1045)	2:59:A:MET:HE3	2:31:A:LYS:H	20	0.21	0.03	0.2
(1,2333)	2:11:A:VAL:HG12	2:11:A:VAL:HA	20	0.19	0.01	0.19
(1,2333)	2:11:A:VAL:HG11	2:11:A:VAL:HA	20	0.19	0.01	0.19
(1,2333)	2:11:A:VAL:HG13	2:11:A:VAL:HA	20	0.19	0.01	0.19
(1,144)	2:85:A:MET:HE2	2:85:A:MET:HG2	20	0.19	0.04	0.2
(1,6921)	2:59:B:MET:H	2:58:B:LEU:HD22	20	0.19	0.02	0.19
(1,1504)	2:46:B:LEU:HD23	2:46:B:LEU:HG	20	0.18	0.03	0.16
(1,1504)	2:46:B:LEU:HD22	2:46:B:LEU:HG	20	0.18	0.03	0.16
(1,1504)	2:46:B:LEU:HD21	2:46:B:LEU:HG	20	0.18	0.03	0.16
(1,5766)	2:83:A:ALA:HB1	2:84:A:MET:HA	20	0.17	0.03	0.16
(1,5766)	2:83:A:ALA:HB2	2:84:A:MET:HA	20	0.17	0.03	0.16
(1,5766)	2:83:A:ALA:HB3	2:84:A:MET:HA	20	0.17	0.03	0.16
(1,6815)	2:62:A:LEU:H	1:1908:C:ASP:H	20	0.17	0.03	0.18
(1,611)	2:77:B:VAL:HG13	2:77:B:VAL:HB	20	0.17	0.02	0.16
(1,611)	2:77:B:VAL:HG11	2:77:B:VAL:HB	20	0.17	0.02	0.16
(1,611)	2:77:B:VAL:HG12	2:77:B:VAL:HB	20	0.17	0.02	0.16
(1,6999)	2:27:B:PHE:HE1	2:27:B:PHE:HD1	20	0.16	0.0	0.16
(1,6999)	2:27:B:PHE:HE2	2:27:B:PHE:HD2	20	0.16	0.0	0.16
(1,6999)	2:27:A:PHE:HE2	2:27:A:PHE:HD2	20	0.16	0.0	0.16
(1,1757)	2:38:B:LEU:HD22	2:38:B:LEU:HG	20	0.14	0.0	0.14
(1,1757)	2:38:B:LEU:HD21	2:38:B:LEU:HG	20	0.14	0.0	0.14
(1,1757)	2:38:B:LEU:HD23	2:38:B:LEU:HG	20	0.14	0.0	0.14
(1,6508)	2:9:B:LEU:HD13	2:9:B:LEU:HG	20	0.11	0.0	0.11
(1,6508)	2:9:B:LEU:HD11	2:9:B:LEU:HG	20	0.11	0.0	0.11
(1,6508)	2:9:B:LEU:HD12	2:9:B:LEU:HG	20	0.11	0.0	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,6182)	2:34:A:LEU:HD22	2:59:A:MET:HB2	19	1.46	0.41	1.58
(1,6182)	2:34:A:LEU:HD23	2:36:A:GLU:HB3	19	1.46	0.41	1.58
(1,6182)	2:34:A:LEU:HD23	2:59:A:MET:HB2	19	1.46	0.41	1.58
(1,6182)	2:34:A:LEU:HD21	2:36:A:GLU:HB2	19	1.46	0.41	1.58
(1,6182)	2:34:A:LEU:HD21	2:36:A:GLU:HB3	19	1.46	0.41	1.58
(1,1483)	2:46:A:LEU:HD22	1:1897:C:GLN:HG2	19	1.39	0.43	1.42
(1,1483)	2:46:A:LEU:HD21	1:1897:C:GLN:HG2	19	1.39	0.43	1.42
(1,1483)	2:46:A:LEU:HD23	1:1897:C:GLN:HG2	19	1.39	0.43	1.42
(1,5792)	2:82:B:ILE:HD12	1:1921:C:LEU:HD13	19	0.84	0.24	0.88
(1,5792)	2:82:B:ILE:HD12	1:1921:C:LEU:HD11	19	0.84	0.24	0.88
(1,5792)	2:82:B:ILE:HD12	1:1921:C:LEU:HD12	19	0.84	0.24	0.88
(1,5787)	2:82:B:ILE:HD13	2:81:B:CYS:H	19	0.83	0.13	0.85
(1,5787)	2:82:B:ILE:HD12	2:81:B:CYS:H	19	0.83	0.13	0.85
(1,6459)	2:12:A:MET:HE3	2:72:A:PHE:HE1	19	0.81	0.39	0.85
(1,6459)	2:12:A:MET:HE2	2:78:B:PHE:HD2	19	0.81	0.39	0.85
(1,6459)	2:12:A:MET:HE2	2:72:A:PHE:HE1	19	0.81	0.39	0.85
(1,6459)	2:12:A:MET:HE2	2:78:B:PHE:HD1	19	0.81	0.39	0.85
(1,6459)	2:12:A:MET:HE2	2:72:A:PHE:HE2	19	0.81	0.39	0.85
(1,6239)	2:29:A:LEU:HD11	2:59:A:MET:HE3	19	0.72	0.36	0.59
(1,6239)	2:29:A:LEU:HD11	2:59:A:MET:HE1	19	0.72	0.36	0.59
(1,6239)	2:29:A:LEU:HD13	2:59:A:MET:HE3	19	0.72	0.36	0.59
(1,6239)	2:29:A:LEU:HD11	2:59:A:MET:HE2	19	0.72	0.36	0.59
(1,6239)	2:29:A:LEU:HD13	2:59:A:MET:HE1	19	0.72	0.36	0.59
(1,6239)	2:29:A:LEU:HD12	2:59:A:MET:HE3	19	0.72	0.36	0.59
(1,1544)	2:42:A:LEU:HD13	2:82:A:ILE:HG22	19	0.65	0.22	0.69
(1,1544)	2:42:A:LEU:HD12	2:82:A:ILE:HG22	19	0.65	0.22	0.69
(1,944)	2:62:B:LEU:HD22	2:70:B:VAL:HB	19	0.65	0.12	0.66
(1,944)	2:62:B:LEU:HD21	2:70:B:VAL:HB	19	0.65	0.12	0.66
(1,944)	2:62:B:LEU:HD23	2:70:B:VAL:HB	19	0.65	0.12	0.66
(1,5743)	2:85:B:MET:HE2	1:1918:C:LYS:HE2	19	0.64	0.17	0.59
(1,5743)	2:85:B:MET:HE2	1:1918:C:LYS:HE3	19	0.64	0.17	0.59
(1,5743)	2:85:B:MET:HE1	1:1928:C:PHE:HB3	19	0.64	0.17	0.59
(1,6066)	2:40:A:ARG:HD3	2:19:A:TYR:HD1	19	0.63	0.25	0.62
(1,6066)	2:40:B:ARG:HD3	2:19:B:TYR:HD2	19	0.63	0.25	0.62
(1,6066)	2:40:A:ARG:HD3	2:19:A:TYR:HD2	19	0.63	0.25	0.62
(1,6066)	2:40:B:ARG:HD3	2:19:B:TYR:HD1	19	0.63	0.25	0.62
(1,1125)	2:58:A:LEU:HD13	2:61:A:ASN:HD22	19	0.62	0.13	0.66
(1,1125)	2:58:A:LEU:HD11	2:61:A:ASN:HD22	19	0.62	0.13	0.66
(1,1125)	2:58:A:LEU:HD12	2:61:A:ASN:HD22	19	0.62	0.13	0.66
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG11	19	0.59	0.12	0.6
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG12	19	0.59	0.12	0.6
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG13	19	0.59	0.12	0.6

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4025)	2:82:B:ILE:HD12	1:1929:C:VAL:HG11	19	0.59	0.12	0.6
(1,4025)	2:82:B:ILE:HD12	1:1929:C:VAL:HG12	19	0.59	0.12	0.6
(1,4025)	2:82:B:ILE:HD12	1:1929:C:VAL:HG13	19	0.59	0.12	0.6
(1,4411)	2:46:B:LEU:HD11	1:1928:C:PHE:HD2	19	0.56	0.26	0.44
(1,4411)	2:46:B:LEU:HD11	1:1928:C:PHE:HD1	19	0.56	0.26	0.44
(1,1157)	2:58:A:LEU:HD23	2:45:A:PHE:HB3	19	0.55	0.21	0.58
(1,1157)	2:58:A:LEU:HD22	2:45:A:PHE:HB3	19	0.55	0.21	0.58
(1,4054)	2:85:B:MET:HE2	1:1921:C:LEU:HD11	19	0.55	0.15	0.58
(1,4054)	2:85:B:MET:HE2	1:1921:C:LEU:HD12	19	0.55	0.15	0.58
(1,4054)	2:85:B:MET:HE2	1:1921:C:LEU:HD13	19	0.55	0.15	0.58
(1,4054)	2:85:B:MET:HE1	1:1921:C:LEU:HD11	19	0.55	0.15	0.58
(1,4054)	2:85:B:MET:HE1	1:1921:C:LEU:HD12	19	0.55	0.15	0.58
(1,4054)	2:85:B:MET:HE1	1:1921:C:LEU:HD13	19	0.55	0.15	0.58
(1,1345)	2:52:A:GLU:HG2	2:55:A:PHE:HB3	19	0.53	0.1	0.55
(1,1345)	2:52:A:GLU:HG3	2:55:A:PHE:HB3	19	0.53	0.1	0.55
(1,5962)	2:58:A:LEU:HD13	2:61:A:ASN:HA	19	0.52	0.1	0.56
(1,5962)	2:58:A:LEU:HD11	2:61:A:ASN:HA	19	0.52	0.1	0.56
(1,5962)	2:58:A:LEU:HD12	2:61:A:ASN:HA	19	0.52	0.1	0.56
(1,383)	2:82:B:ILE:HD11	2:85:B:MET:HE3	19	0.51	0.08	0.52
(1,383)	2:82:B:ILE:HD12	2:85:B:MET:HE3	19	0.51	0.08	0.52
(1,1948)	2:34:B:LEU:HD22	1:1928:C:PHE:HZ	19	0.5	0.09	0.53
(1,1948)	2:34:B:LEU:HD23	1:1928:C:PHE:HZ	19	0.5	0.09	0.53
(1,3900)	2:62:A:LEU:HD22	1:1907:C:ALA:HB1	19	0.49	0.07	0.49
(1,3900)	2:62:A:LEU:HD22	1:1907:C:ALA:HB2	19	0.49	0.07	0.49
(1,3900)	2:62:A:LEU:HD22	1:1907:C:ALA:HB3	19	0.49	0.07	0.49
(1,3900)	2:62:A:LEU:HD23	1:1907:C:ALA:HB1	19	0.49	0.07	0.49
(1,3900)	2:62:A:LEU:HD23	1:1907:C:ALA:HB2	19	0.49	0.07	0.49
(1,3900)	2:62:A:LEU:HD23	1:1907:C:ALA:HB3	19	0.49	0.07	0.49
(1,3900)	2:62:A:LEU:HD21	1:1907:C:ALA:HB1	19	0.49	0.07	0.49
(1,3900)	2:62:A:LEU:HD21	1:1907:C:ALA:HB2	19	0.49	0.07	0.49
(1,3900)	2:62:A:LEU:HD21	1:1907:C:ALA:HB3	19	0.49	0.07	0.49
(1,590)	2:77:B:VAL:HG12	1:1913:C:GLU:H	19	0.47	0.13	0.51
(1,590)	2:77:B:VAL:HG13	1:1913:C:GLU:H	19	0.47	0.13	0.51
(1,590)	2:77:B:VAL:HG11	1:1913:C:GLU:H	19	0.47	0.13	0.51
(1,4121)	2:77:B:VAL:HG12	1:1913:C:GLU:H	19	0.47	0.13	0.51
(1,4121)	2:77:B:VAL:HG13	1:1913:C:GLU:H	19	0.47	0.13	0.51
(1,4121)	2:77:B:VAL:HG11	1:1913:C:GLU:H	19	0.47	0.13	0.51
(1,6038)	2:42:A:LEU:HD11	2:6:B:GLU:HA	19	0.43	0.17	0.46
(1,6038)	2:42:A:LEU:HD13	2:6:B:GLU:HA	19	0.43	0.17	0.46
(1,176)	2:85:B:MET:HE1	1:1928:C:PHE:H	19	0.42	0.16	0.41
(1,6048)	2:42:B:LEU:HD22	2:79:B:LEU:HD22	19	0.42	0.12	0.41
(1,6048)	2:42:B:LEU:HD23	2:79:B:LEU:HD22	19	0.42	0.12	0.41

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,6048)	2:42:B:LEU:HD21	2:79:B:LEU:HD22	19	0.42	0.12	0.41
(1,781)	2:70:B:VAL:HG21	2:62:B:LEU:HD22	19	0.42	0.11	0.43
(1,781)	2:70:B:VAL:HG21	2:62:B:LEU:HD21	19	0.42	0.11	0.43
(1,781)	2:70:B:VAL:HG23	2:62:B:LEU:HD21	19	0.42	0.11	0.43
(1,781)	2:70:B:VAL:HG23	2:62:B:LEU:HD22	19	0.42	0.11	0.43
(1,781)	2:70:B:VAL:HG21	2:62:B:LEU:HD23	19	0.42	0.11	0.43
(1,207)	2:84:A:MET:HE3	2:81:A:CYS:HG	19	0.42	0.1	0.44
(1,207)	2:84:A:MET:HE1	2:81:A:CYS:HG	19	0.42	0.1	0.44
(1,178)	2:85:B:MET:HE2	1:1928:C:PHE:HZ	19	0.41	0.13	0.45
(1,178)	2:85:B:MET:HE1	1:1928:C:PHE:HZ	19	0.41	0.13	0.45
(1,4422)	2:58:B:LEU:HD11	1:1928:C:PHE:HZ	19	0.41	0.1	0.41
(1,4422)	1:1921:C:LEU:HD21	1:1928:C:PHE:HZ	19	0.41	0.1	0.41
(1,4422)	1:1921:C:LEU:HD22	1:1928:C:PHE:HZ	19	0.41	0.1	0.41
(1,4422)	1:1921:C:LEU:HD23	1:1928:C:PHE:HZ	19	0.41	0.1	0.41
(1,4422)	2:58:B:LEU:HD13	1:1928:C:PHE:HZ	19	0.41	0.1	0.41
(1,4879)	1:1920:C:LYS:H	1:1926:C:LEU:HG	19	0.39	0.42	0.24
(1,1752)	2:38:B:LEU:HD11	1:1928:C:PHE:HZ	19	0.39	0.06	0.4
(1,1752)	2:38:B:LEU:HD12	1:1928:C:PHE:HZ	19	0.39	0.06	0.4
(1,1752)	2:38:B:LEU:HD13	1:1928:C:PHE:HZ	19	0.39	0.06	0.4
(1,2238)	2:13:A:VAL:HG23	2:17:A:HIS:HD2	19	0.38	0.13	0.38
(1,2238)	2:13:A:VAL:HG22	2:17:A:HIS:HD2	19	0.38	0.13	0.38
(1,2238)	2:13:A:VAL:HG21	2:17:A:HIS:HD2	19	0.38	0.13	0.38
(1,1346)	2:52:A:GLU:HG2	2:53:A:ALA:HB1	19	0.38	0.11	0.37
(1,1346)	2:52:A:GLU:HG2	2:53:A:ALA:HB2	19	0.38	0.11	0.37
(1,1346)	2:52:A:GLU:HG2	2:53:A:ALA:HB3	19	0.38	0.11	0.37
(1,6107)	2:38:B:LEU:HD11	2:34:B:LEU:HD13	19	0.38	0.1	0.36
(1,6107)	2:38:B:LEU:HD12	2:34:B:LEU:HD13	19	0.38	0.1	0.36
(1,6107)	2:38:B:LEU:HD13	2:34:B:LEU:HD13	19	0.38	0.1	0.36
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD11	19	0.38	0.09	0.39
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD12	19	0.38	0.09	0.39
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD13	19	0.38	0.09	0.39
(1,4594)	1:1914:C:VAL:H	1:1918:C:LYS:HB3	19	0.36	0.12	0.33
(1,4594)	2:83:B:ALA:H	1:1918:C:LYS:HB3	19	0.36	0.12	0.33
(1,5814)	2:79:B:LEU:HD12	2:9:A:LEU:HD22	19	0.35	0.12	0.35
(1,5814)	2:79:B:LEU:HD12	2:42:B:LEU:HD23	19	0.35	0.12	0.35
(1,5814)	2:79:B:LEU:HD13	2:9:A:LEU:HD22	19	0.35	0.12	0.35
(1,5814)	2:79:B:LEU:HD12	2:9:A:LEU:HD23	19	0.35	0.12	0.35
(1,5814)	2:79:B:LEU:HD12	2:42:B:LEU:HD22	19	0.35	0.12	0.35
(1,5814)	2:79:B:LEU:HD13	2:9:A:LEU:HD21	19	0.35	0.12	0.35
(1,5814)	2:79:B:LEU:HD11	2:9:A:LEU:HD23	19	0.35	0.12	0.35
(1,5814)	2:79:B:LEU:HD11	2:9:A:LEU:HD22	19	0.35	0.12	0.35
(1,5814)	2:79:B:LEU:HD12	2:9:A:LEU:HD21	19	0.35	0.12	0.35

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5814)	2:79:B:LEU:HD11	2:9:A:LEU:HD21	19	0.35	0.12	0.35
(1,387)	2:82:B:ILE:HD11	2:82:B:ILE:HA	19	0.35	0.05	0.34
(1,387)	2:82:B:ILE:HD12	2:82:B:ILE:HA	19	0.35	0.05	0.34
(1,6047)	2:42:B:LEU:HD13	2:79:B:LEU:HD22	19	0.34	0.22	0.29
(1,6047)	2:42:B:LEU:HD12	2:79:B:LEU:HD22	19	0.34	0.22	0.29
(1,2039)	2:29:B:LEU:HD11	2:34:B:LEU:HA	19	0.32	0.11	0.34
(1,2039)	2:29:B:LEU:HD13	2:34:B:LEU:HA	19	0.32	0.11	0.34
(1,2039)	2:29:B:LEU:HD12	2:34:B:LEU:HA	19	0.32	0.11	0.34
(2,46)	1:1916:C:SER:H	1:1912:C:ARG:HB2	19	0.32	0.23	0.19
(1,5815)	2:79:B:LEU:HD21	2:9:A:LEU:HD22	19	0.31	0.13	0.32
(1,5815)	2:79:B:LEU:HD21	2:9:A:LEU:HD23	19	0.31	0.13	0.32
(1,5815)	2:79:B:LEU:HD22	2:9:A:LEU:HD21	19	0.31	0.13	0.32
(1,5815)	2:79:B:LEU:HD22	2:9:A:LEU:HD22	19	0.31	0.13	0.32
(1,5815)	2:79:B:LEU:HD21	2:9:A:LEU:HD21	19	0.31	0.13	0.32
(1,6592)	2:5:B:LEU:HD23	2:79:A:LEU:HG	19	0.3	0.1	0.33
(1,6592)	2:5:B:LEU:HD22	2:79:A:LEU:HG	19	0.3	0.1	0.33
(1,4027)	2:82:B:ILE:HG22	1:1929:C:VAL:HG11	19	0.29	0.12	0.27
(1,4027)	2:82:B:ILE:HG22	1:1929:C:VAL:HG12	19	0.29	0.12	0.27
(1,4027)	2:82:B:ILE:HG22	1:1929:C:VAL:HG13	19	0.29	0.12	0.27
(1,4027)	2:82:B:ILE:HG21	1:1929:C:VAL:HG11	19	0.29	0.12	0.27
(1,4027)	2:82:B:ILE:HG21	1:1929:C:VAL:HG12	19	0.29	0.12	0.27
(1,4027)	2:82:B:ILE:HG21	1:1929:C:VAL:HG13	19	0.29	0.12	0.27
(1,4027)	2:82:B:ILE:HG23	1:1929:C:VAL:HG11	19	0.29	0.12	0.27
(1,4027)	2:82:B:ILE:HG23	1:1929:C:VAL:HG12	19	0.29	0.12	0.27
(1,4027)	2:82:B:ILE:HG23	1:1929:C:VAL:HG13	19	0.29	0.12	0.27
(1,2220)	2:13:A:VAL:HG11	2:83:B:ALA:HB3	19	0.26	0.04	0.26
(1,2220)	2:13:A:VAL:HG12	2:83:B:ALA:HB3	19	0.26	0.04	0.26
(1,2220)	2:13:A:VAL:HG12	2:83:B:ALA:HB1	19	0.26	0.04	0.26
(1,2220)	2:13:A:VAL:HG11	2:83:B:ALA:HB1	19	0.26	0.04	0.26
(1,254)	2:84:B:MET:HE1	2:81:B:CYS:H	19	0.25	0.06	0.26
(1,2268)	2:12:B:MET:HE3	2:12:B:MET:HG2	19	0.21	0.11	0.19
(1,2268)	2:12:B:MET:HE1	2:12:B:MET:HG2	19	0.21	0.11	0.19
(1,146)	2:85:A:MET:HE2	1:1900:C:LEU:HA	19	0.21	0.06	0.18
(1,3252)	2:2:B:ALA:H	2:4:B:PRO:HG3	19	0.21	0.04	0.2
(1,1460)	2:46:A:LEU:HD22	2:47:A:GLY:H	19	0.2	0.05	0.21
(1,1460)	2:46:A:LEU:HD23	2:47:A:GLY:H	19	0.2	0.05	0.21
(1,1460)	2:46:A:LEU:HD21	2:47:A:GLY:H	19	0.2	0.05	0.21
(1,2904)	2:51:A:ASP:H	2:46:A:LEU:HB3	19	0.19	0.05	0.19
(2,18)	2:28:A:LYS:HD3	2:20:A:SER:HB2	19	0.19	0.06	0.2
(1,6533)	2:8:B:ALA:HA	2:11:B:VAL:HG13	19	0.18	0.04	0.19
(1,6533)	2:8:B:ALA:HA	2:11:B:VAL:HG12	19	0.18	0.04	0.19
(1,6533)	2:8:B:ALA:HA	2:11:B:VAL:HG11	19	0.18	0.04	0.19

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,6533)	2:8:A:ALA:HA	2:11:A:VAL:HG12	19	0.18	0.04	0.19
(1,6533)	2:8:A:ALA:HA	2:11:A:VAL:HG11	19	0.18	0.04	0.19
(1,3820)	2:78:A:PHE:H	2:78:A:PHE:HE1	19	0.17	0.02	0.17
(1,3820)	2:78:A:PHE:H	2:78:A:PHE:HE2	19	0.17	0.02	0.17
(1,4178)	2:46:A:LEU:HD21	1:1897:C:GLN:HG2	18	0.73	0.4	0.77
(1,4178)	2:46:A:LEU:HD23	1:1897:C:GLN:HG2	18	0.73	0.4	0.77
(1,4178)	2:46:A:LEU:HD22	1:1897:C:GLN:HG2	18	0.73	0.4	0.77
(1,6706)	2:23:B:GLU:H	2:26:B:LYS:HA	18	0.73	0.2	0.76
(1,6706)	2:23:A:GLU:H	2:26:A:LYS:HA	18	0.73	0.2	0.76
(1,4162)	2:54:A:ALA:HB3	1:1900:C:LEU:HB3	18	0.68	0.05	0.67
(1,4162)	2:54:A:ALA:HB1	1:1900:C:LEU:HB3	18	0.68	0.05	0.67
(1,4162)	2:54:A:ALA:HB2	1:1900:C:LEU:HB3	18	0.68	0.05	0.67
(1,5657)	1:1900:C:LEU:HD13	2:46:A:LEU:HA	18	0.59	0.27	0.66
(1,5657)	1:1900:C:LEU:HD12	2:46:A:LEU:HA	18	0.59	0.27	0.66
(1,5657)	1:1900:C:LEU:HD11	2:46:A:LEU:HA	18	0.59	0.27	0.66
(1,2233)	2:13:A:VAL:HG21	2:87:B:ASN:H	18	0.56	0.13	0.6
(1,2233)	2:13:A:VAL:HG23	2:87:B:ASN:H	18	0.56	0.13	0.6
(1,2233)	2:13:A:VAL:HG22	2:87:B:ASN:H	18	0.56	0.13	0.6
(1,5994)	2:54:B:ALA:HB1	1:1926:C:LEU:HD12	18	0.51	0.16	0.52
(1,5994)	2:54:B:ALA:HB3	1:1926:C:LEU:HD11	18	0.51	0.16	0.52
(1,5994)	2:54:B:ALA:HB3	1:1926:C:LEU:HD13	18	0.51	0.16	0.52
(1,5994)	2:54:B:ALA:HB1	1:1926:C:LEU:HD13	18	0.51	0.16	0.52
(1,5994)	2:54:B:ALA:HB2	1:1926:C:LEU:HD13	18	0.51	0.16	0.52
(1,5994)	2:54:B:ALA:HB1	1:1926:C:LEU:HD11	18	0.51	0.16	0.52
(1,5994)	2:54:B:ALA:HB3	1:1926:C:LEU:HD12	18	0.51	0.16	0.52
(1,1543)	2:42:A:LEU:HD13	2:82:A:ILE:HD13	18	0.49	0.15	0.49
(1,1543)	2:42:A:LEU:HD13	2:82:A:ILE:HD11	18	0.49	0.15	0.49
(1,1543)	2:42:A:LEU:HD13	2:82:A:ILE:HD12	18	0.49	0.15	0.49
(1,1543)	2:42:A:LEU:HD12	2:82:A:ILE:HD13	18	0.49	0.15	0.49
(1,1543)	2:42:A:LEU:HD12	2:82:A:ILE:HD12	18	0.49	0.15	0.49
(1,169)	2:85:B:MET:HE1	1:1922:C:ARG:HD3	18	0.48	0.12	0.52
(1,169)	2:85:B:MET:HE2	1:1922:C:ARG:HD2	18	0.48	0.12	0.52
(1,169)	2:85:B:MET:HE2	1:1922:C:ARG:HD3	18	0.48	0.12	0.52
(1,169)	2:85:B:MET:HE1	1:1922:C:ARG:HD2	18	0.48	0.12	0.52
(1,4120)	2:77:B:VAL:HG12	1:1917:C:LEU:H	18	0.43	0.21	0.38
(1,4120)	2:77:B:VAL:HG13	1:1917:C:LEU:H	18	0.43	0.21	0.38
(1,4120)	2:77:B:VAL:HG11	1:1917:C:LEU:H	18	0.43	0.21	0.38
(1,1940)	2:34:B:LEU:HD13	2:59:B:MET:H	18	0.42	0.13	0.4
(1,1940)	2:34:B:LEU:HD12	2:59:B:MET:H	18	0.42	0.13	0.4
(1,6573)	2:6:B:GLU:HA	2:43:A:PRO:HD3	18	0.42	0.14	0.42
(1,6573)	2:6:A:GLU:HA	2:43:B:PRO:HD3	18	0.42	0.14	0.42
(1,5974)	2:58:B:LEU:HD23	1:1928:C:PHE:HB2	18	0.41	0.19	0.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5974)	2:58:B:LEU:HD21	2:55:B:PHE:HB2	18	0.41	0.19	0.42
(1,6516)	2:9:B:LEU:HD23	2:12:B:MET:HG3	18	0.41	0.21	0.48
(1,6516)	2:9:B:LEU:HD21	2:12:B:MET:HG3	18	0.41	0.21	0.48
(1,6516)	2:9:B:LEU:HD22	2:12:B:MET:HB2	18	0.41	0.21	0.48
(1,6516)	2:9:B:LEU:HD21	2:12:B:MET:HB2	18	0.41	0.21	0.48
(1,6516)	2:9:B:LEU:HD23	2:12:B:MET:HB2	18	0.41	0.21	0.48
(1,6516)	2:9:B:LEU:HD22	2:12:B:MET:HG3	18	0.41	0.21	0.48
(1,4062)	2:85:B:MET:HE1	1:1922:C:ARG:HD3	18	0.4	0.09	0.42
(1,4062)	2:85:B:MET:HE1	1:1922:C:ARG:HD2	18	0.4	0.09	0.42
(1,6428)	2:13:B:VAL:HG21	2:72:B:PHE:HZ	18	0.36	0.13	0.36
(1,6428)	2:13:A:VAL:HG21	2:72:A:PHE:HZ	18	0.36	0.13	0.36
(1,6428)	2:13:B:VAL:HG23	2:72:B:PHE:HZ	18	0.36	0.13	0.36
(1,6428)	2:13:B:VAL:HG22	2:72:B:PHE:HZ	18	0.36	0.13	0.36
(1,6428)	2:13:A:VAL:HG23	2:72:A:PHE:HZ	18	0.36	0.13	0.36
(1,472)	2:79:A:LEU:HD21	2:75:A:TYR:HE1	18	0.36	0.08	0.37
(1,472)	2:79:A:LEU:HD21	2:75:A:TYR:HE2	18	0.36	0.08	0.37
(1,472)	2:79:A:LEU:HD23	2:75:A:TYR:HE1	18	0.36	0.08	0.37
(1,472)	2:79:A:LEU:HD23	2:75:A:TYR:HE2	18	0.36	0.08	0.37
(1,2216)	2:13:A:VAL:HG12	2:10:A:ASP:HA	18	0.35	0.12	0.36
(1,2216)	2:13:A:VAL:HG11	2:10:A:ASP:HA	18	0.35	0.12	0.36
(1,5163)	1:1930:C:VAL:HG11	2:85:B:MET:HE3	18	0.35	0.08	0.36
(1,5163)	1:1930:C:VAL:HG12	2:85:B:MET:HE3	18	0.35	0.08	0.36
(1,5163)	1:1930:C:VAL:HG13	2:85:B:MET:HE3	18	0.35	0.08	0.36
(1,6243)	2:29:B:LEU:HD11	2:34:B:LEU:HD21	18	0.33	0.12	0.36
(1,6243)	2:29:B:LEU:HD13	2:34:B:LEU:HD21	18	0.33	0.12	0.36
(1,6243)	2:29:B:LEU:HD11	2:34:B:LEU:HD22	18	0.33	0.12	0.36
(1,6243)	2:29:B:LEU:HD12	2:34:B:LEU:HD22	18	0.33	0.12	0.36
(1,6243)	2:29:B:LEU:HD13	2:34:B:LEU:HD22	18	0.33	0.12	0.36
(1,4058)	2:85:B:MET:HE3	1:1930:C:VAL:HB	18	0.33	0.09	0.3
(1,6996)	2:72:B:PHE:HZ	2:13:B:VAL:HA	18	0.32	0.08	0.33
(1,6996)	2:72:A:PHE:HZ	2:13:A:VAL:HA	18	0.32	0.08	0.33
(1,1049)	2:59:A:MET:HE3	2:71:A:ASP:H	18	0.31	0.15	0.26
(1,1049)	2:59:A:MET:HE2	2:71:A:ASP:H	18	0.31	0.15	0.26
(1,1049)	2:59:A:MET:HE1	2:71:A:ASP:H	18	0.31	0.15	0.26
(1,6809)	2:61:A:ASN:H	2:59:A:MET:HB2	18	0.29	0.1	0.25
(1,4484)	2:57:B:LYS:HD3	1:1924:C:GLY:H	18	0.25	0.08	0.27
(1,1201)	2:58:B:LEU:HD11	1:1928:C:PHE:HZ	18	0.24	0.08	0.26
(1,1201)	2:58:B:LEU:HD13	1:1928:C:PHE:HZ	18	0.24	0.08	0.26
(1,1080)	2:59:B:MET:HE2	2:59:B:MET:HG2	18	0.23	0.08	0.2
(1,1080)	2:59:B:MET:HE1	2:59:B:MET:HG2	18	0.23	0.08	0.2
(1,1080)	2:59:B:MET:HE3	2:59:B:MET:HG2	18	0.23	0.08	0.2
(1,1597)	2:42:B:LEU:HD11	2:43:B:PRO:HD3	18	0.21	0.07	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2618)	2:3:A:CYS:H	2:41:B:GLU:HG2	18	0.19	0.07	0.18
(1,3163)	2:86:A:CYS:H	2:9:B:LEU:HB2	18	0.19	0.05	0.21
(1,6564)	2:7:A:LYS:HB3	2:6:A:GLU:H	18	0.19	0.05	0.2
(1,235)	2:84:B:MET:HA	2:72:A:PHE:HE1	18	0.18	0.05	0.18
(1,235)	2:84:B:MET:HA	2:72:A:PHE:HE2	18	0.18	0.05	0.18
(1,531)	2:79:B:LEU:HD21	2:79:B:LEU:HA	18	0.18	0.03	0.18
(1,5650)	1:1900:C:LEU:HD11	2:59:A:MET:H	18	0.15	0.02	0.16
(1,5650)	1:1900:C:LEU:HD12	2:59:A:MET:H	18	0.15	0.02	0.16
(1,5650)	1:1900:C:LEU:HD13	2:59:A:MET:H	18	0.15	0.02	0.16
(1,506)	2:79:B:LEU:HD22	2:75:B:TYR:HE1	18	0.12	0.02	0.12
(1,506)	2:79:B:LEU:HD22	2:75:B:TYR:HE2	18	0.12	0.02	0.12
(1,6135)	2:37:A:LEU:HD12	2:41:A:GLU:HB2	17	0.87	0.41	1.02
(1,6135)	2:37:B:LEU:HD11	2:41:B:GLU:HB2	17	0.87	0.41	1.02
(1,6135)	2:37:A:LEU:HD11	2:41:A:GLU:HB2	17	0.87	0.41	1.02
(1,6135)	2:37:A:LEU:HD13	2:41:A:GLU:HB2	17	0.87	0.41	1.02
(1,6135)	2:37:B:LEU:HD13	2:41:B:GLU:HB2	17	0.87	0.41	1.02
(1,6135)	2:37:B:LEU:HD12	2:41:B:GLU:HB2	17	0.87	0.41	1.02
(1,1407)	2:49:A:ARG:HG2	2:54:A:ALA:HB1	17	0.52	0.26	0.49
(1,1407)	2:49:A:ARG:HG2	2:54:A:ALA:HB2	17	0.52	0.26	0.49
(1,1407)	2:49:A:ARG:HG2	2:54:A:ALA:HB3	17	0.52	0.26	0.49
(1,4019)	2:38:B:LEU:HD13	1:1928:C:PHE:HD2	17	0.52	0.16	0.53
(1,4019)	2:38:B:LEU:HD11	1:1928:C:PHE:HD2	17	0.52	0.16	0.53
(1,4019)	2:38:B:LEU:HD12	1:1928:C:PHE:HD2	17	0.52	0.16	0.53
(1,5639)	1:1901:C:GLU:HB2	1:1905:C:GLU:HB2	17	0.46	0.12	0.51
(1,5639)	1:1901:C:GLU:HB2	1:1905:C:GLU:HB3	17	0.46	0.12	0.51
(1,6175)	2:34:A:LEU:HD11	2:78:A:PHE:HB3	17	0.43	0.21	0.45
(1,1405)	2:49:A:ARG:HB2	2:54:A:ALA:HB1	17	0.42	0.11	0.44
(1,1405)	2:49:A:ARG:HB2	2:54:A:ALA:HB3	17	0.42	0.11	0.44
(1,1405)	2:49:A:ARG:HB2	2:54:A:ALA:HB2	17	0.42	0.11	0.44
(1,4846)	1:1926:C:LEU:H	1:1920:C:LYS:HA	17	0.35	0.16	0.34
(1,4846)	1:1926:C:LEU:H	2:54:B:ALA:HA	17	0.35	0.16	0.34
(1,5831)	2:77:B:VAL:HG13	2:73:B:GLN:HE22	17	0.32	0.14	0.32
(1,5831)	2:77:B:VAL:HG11	2:73:B:GLN:HE22	17	0.32	0.14	0.32
(1,6399)	2:15:A:THR:HG23	2:41:A:GLU:HA	17	0.31	0.16	0.34
(1,6399)	2:15:A:THR:HG21	2:41:A:GLU:HA	17	0.31	0.16	0.34
(1,6399)	2:15:A:THR:HG22	2:41:A:GLU:HA	17	0.31	0.16	0.34
(1,214)	2:84:A:MET:HE1	2:72:B:PHE:HE1	17	0.31	0.14	0.27
(1,214)	2:84:A:MET:HE1	2:72:B:PHE:HE2	17	0.31	0.14	0.27
(1,214)	2:84:A:MET:HE2	2:72:B:PHE:HE1	17	0.31	0.14	0.27
(1,214)	2:84:A:MET:HE2	2:72:B:PHE:HE2	17	0.31	0.14	0.27
(1,1591)	2:42:B:LEU:HD11	2:6:A:GLU:HB2	17	0.3	0.12	0.28
(1,1591)	2:42:B:LEU:HD13	2:6:A:GLU:HB2	17	0.3	0.12	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2312)	2:12:A:MET:HE3	2:78:A:PHE:HD1	17	0.29	0.15	0.31
(1,2312)	2:12:A:MET:HE3	2:78:A:PHE:HD2	17	0.29	0.15	0.31
(1,2312)	2:12:A:MET:HE1	2:78:A:PHE:HD1	17	0.29	0.15	0.31
(1,2312)	2:12:A:MET:HE1	2:78:A:PHE:HD2	17	0.29	0.15	0.31
(1,5391)	1:1914:C:VAL:HG11	2:77:B:VAL:HB	17	0.28	0.11	0.26
(1,5391)	1:1914:C:VAL:HG12	1:1913:C:GLU:HB2	17	0.28	0.11	0.26
(1,5391)	1:1914:C:VAL:HG13	2:77:B:VAL:HB	17	0.28	0.11	0.26
(1,5391)	1:1914:C:VAL:HG12	2:77:B:VAL:HB	17	0.28	0.11	0.26
(1,4589)	1:1918:C:LYS:HD2	1:1915:C:SER:HB2	17	0.27	0.31	0.15
(1,315)	2:82:A:ILE:HD11	2:42:A:LEU:HD21	17	0.25	0.08	0.26
(1,315)	2:82:A:ILE:HD12	2:42:A:LEU:HD22	17	0.25	0.08	0.26
(1,315)	2:82:A:ILE:HD13	2:42:A:LEU:HD23	17	0.25	0.08	0.26
(1,315)	2:82:A:ILE:HD13	2:42:A:LEU:HD21	17	0.25	0.08	0.26
(1,315)	2:82:A:ILE:HD13	2:42:A:LEU:HD22	17	0.25	0.08	0.26
(1,1736)	2:38:B:LEU:HD22	2:38:B:LEU:HA	17	0.24	0.06	0.24
(1,1736)	2:38:B:LEU:HD21	2:38:B:LEU:HA	17	0.24	0.06	0.24
(1,1736)	2:38:B:LEU:HD23	2:38:B:LEU:HA	17	0.24	0.06	0.24
(1,286)	2:83:A:ALA:HA	2:9:B:LEU:HD23	17	0.22	0.06	0.24
(1,286)	2:83:A:ALA:HA	2:9:B:LEU:HD21	17	0.22	0.06	0.24
(1,286)	2:83:A:ALA:HA	2:9:B:LEU:HD22	17	0.22	0.06	0.24
(1,4055)	2:85:B:MET:HE2	1:1918:C:LYS:HG2	17	0.22	0.08	0.2
(1,1550)	2:42:A:LEU:HD11	2:42:A:LEU:HG	17	0.21	0.03	0.22
(1,1550)	2:42:A:LEU:HD13	2:42:A:LEU:HG	17	0.21	0.03	0.22
(1,1420)	2:49:B:ARG:HD3	2:46:B:LEU:HB2	17	0.21	0.08	0.17
(1,1420)	2:49:B:ARG:HD2	2:46:B:LEU:HB2	17	0.21	0.08	0.17
(1,2600)	2:29:A:LEU:H	2:27:A:PHE:HD1	17	0.2	0.06	0.22
(1,2600)	2:29:A:LEU:H	2:27:A:PHE:HD2	17	0.2	0.06	0.22
(1,5652)	1:1900:C:LEU:HD21	2:59:A:MET:H	17	0.18	0.06	0.18
(1,5652)	1:1900:C:LEU:HD22	2:59:A:MET:H	17	0.18	0.06	0.18
(1,5652)	1:1900:C:LEU:HD23	2:59:A:MET:H	17	0.18	0.06	0.18
(1,5822)	2:77:A:VAL:HG11	2:73:A:GLN:HE22	16	0.84	0.29	0.84
(1,5822)	2:77:A:VAL:HG13	2:73:A:GLN:HE22	16	0.84	0.29	0.84
(1,5822)	2:77:A:VAL:HG12	2:73:A:GLN:HE22	16	0.84	0.29	0.84
(1,5822)	2:77:A:VAL:HG13	2:73:B:GLN:HE22	16	0.84	0.29	0.84
(1,1041)	2:59:A:MET:HE3	2:55:A:PHE:HD1	16	0.65	0.32	0.63
(1,1041)	2:59:A:MET:HE1	2:55:A:PHE:HD2	16	0.65	0.32	0.63
(1,1041)	2:59:A:MET:HE2	2:55:A:PHE:HD2	16	0.65	0.32	0.63
(1,1041)	2:59:A:MET:HE3	2:55:A:PHE:HD2	16	0.65	0.32	0.63
(1,1041)	2:59:A:MET:HE1	2:55:A:PHE:HD1	16	0.65	0.32	0.63
(1,6460)	2:12:A:MET:HE1	2:9:A:LEU:H	16	0.53	0.16	0.58
(1,6460)	2:12:A:MET:HE2	2:9:A:LEU:H	16	0.53	0.16	0.58
(1,1408)	2:49:A:ARG:HD2	2:54:A:ALA:HB1	16	0.52	0.19	0.52

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1408)	2:49:A:ARG:HD2	2:54:A:ALA:HB2	16	0.52	0.19	0.52
(1,1408)	2:49:A:ARG:HD2	2:54:A:ALA:HB3	16	0.52	0.19	0.52
(1,1409)	2:49:A:ARG:HD3	2:54:A:ALA:HB1	16	0.51	0.19	0.56
(1,1409)	2:49:A:ARG:HD3	2:54:A:ALA:HB2	16	0.51	0.19	0.56
(1,1409)	2:49:A:ARG:HD3	2:54:A:ALA:HB3	16	0.51	0.19	0.56
(1,1046)	2:59:A:MET:HE2	2:67:A:ASP:H	16	0.49	0.14	0.54
(1,1046)	2:59:A:MET:HE3	2:67:A:ASP:H	16	0.49	0.14	0.54
(1,1046)	2:59:A:MET:HE1	2:67:A:ASP:H	16	0.49	0.14	0.54
(1,5946)	2:59:A:MET:HE1	2:30:A:ASN:HB3	16	0.43	0.24	0.36
(1,5946)	2:59:A:MET:HE2	2:30:A:ASN:HB3	16	0.43	0.24	0.36
(1,5946)	2:59:A:MET:HE3	2:30:A:ASN:HB3	16	0.43	0.24	0.36
(1,5946)	2:59:A:MET:HE2	2:31:A:LYS:HE3	16	0.43	0.24	0.36
(1,6847)	2:83:A:ALA:H	2:72:B:PHE:HE1	16	0.41	0.24	0.32
(1,6847)	2:83:A:ALA:H	2:45:A:PHE:HE1	16	0.41	0.24	0.32
(1,1671)	2:39:B:THR:HG21	2:40:B:ARG:HD2	16	0.38	0.16	0.39
(1,1671)	2:39:B:THR:HG22	2:40:B:ARG:HD2	16	0.38	0.16	0.39
(1,1671)	2:39:B:THR:HG23	2:40:B:ARG:HD2	16	0.38	0.16	0.39
(1,1671)	2:39:B:THR:HG23	2:40:B:ARG:HD3	16	0.38	0.16	0.39
(1,1671)	2:39:B:THR:HG22	2:40:B:ARG:HD3	16	0.38	0.16	0.39
(1,6063)	2:40:B:ARG:HD2	2:39:B:THR:HG21	16	0.38	0.16	0.39
(1,6063)	2:40:B:ARG:HD2	2:39:B:THR:HG22	16	0.38	0.16	0.39
(1,6063)	2:40:B:ARG:HD2	2:39:B:THR:HG23	16	0.38	0.16	0.39
(1,6063)	2:40:B:ARG:HD3	2:39:B:THR:HG23	16	0.38	0.16	0.39
(1,6063)	2:40:B:ARG:HD3	2:39:B:THR:HG22	16	0.38	0.16	0.39
(1,2728)	2:21:B:GLY:H	2:26:B:LYS:HD2	16	0.36	0.1	0.38
(1,2728)	2:21:B:GLY:H	2:26:B:LYS:HD3	16	0.36	0.1	0.38
(1,4412)	2:38:B:LEU:HD21	1:1928:C:PHE:HD2	16	0.33	0.15	0.32
(1,4412)	2:38:B:LEU:HD23	1:1928:C:PHE:HD2	16	0.33	0.15	0.32
(1,4412)	2:38:B:LEU:HD22	1:1928:C:PHE:HD2	16	0.33	0.15	0.32
(1,4412)	2:38:B:LEU:HD23	1:1928:C:PHE:HD1	16	0.33	0.15	0.32
(1,1705)	2:38:A:LEU:HD13	2:50:A:THR:HB	16	0.33	0.15	0.32
(1,1705)	2:38:A:LEU:HD11	2:50:A:THR:HB	16	0.33	0.15	0.32
(1,1705)	2:38:A:LEU:HD12	2:50:A:THR:HB	16	0.33	0.15	0.32
(1,5788)	2:82:B:ILE:HG23	2:42:B:LEU:HD21	16	0.3	0.12	0.28
(1,5788)	2:82:B:ILE:HG22	2:9:A:LEU:HD21	16	0.3	0.12	0.28
(1,5788)	2:82:B:ILE:HG22	2:42:B:LEU:HD23	16	0.3	0.12	0.28
(1,5788)	2:82:B:ILE:HG22	2:42:B:LEU:HD22	16	0.3	0.12	0.28
(1,5788)	2:82:B:ILE:HG22	2:42:B:LEU:HD21	16	0.3	0.12	0.28
(1,5788)	2:82:B:ILE:HG23	2:9:A:LEU:HD23	16	0.3	0.12	0.28
(1,5788)	2:82:B:ILE:HG21	2:9:A:LEU:HD23	16	0.3	0.12	0.28
(1,5788)	2:82:B:ILE:HG21	2:42:B:LEU:HD22	16	0.3	0.12	0.28
(1,266)	2:83:A:ALA:HB1	2:76:B:CYS:H	16	0.28	0.12	0.27

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,266)	2:83:A:ALA:HB2	2:76:B:CYS:H	16	0.28	0.12	0.27
(1,266)	2:83:A:ALA:HB3	2:76:B:CYS:H	16	0.28	0.12	0.27
(1,2591)	2:4:B:PRO:HG2	2:11:A:VAL:HG22	16	0.27	0.07	0.26
(1,2591)	2:4:B:PRO:HG2	2:11:A:VAL:HG21	16	0.27	0.07	0.26
(1,2591)	2:4:B:PRO:HG2	2:11:A:VAL:HG23	16	0.27	0.07	0.26
(1,1270)	2:56:B:GLN:HB2	2:57:B:LYS:HB2	16	0.26	0.13	0.24
(1,1270)	2:56:B:GLN:HB3	2:57:B:LYS:HB2	16	0.26	0.13	0.24
(1,1465)	2:46:A:LEU:HD21	2:55:A:PHE:HE2	16	0.24	0.07	0.25
(1,1465)	2:46:A:LEU:HD21	2:55:A:PHE:HE1	16	0.24	0.07	0.25
(1,1465)	2:46:A:LEU:HD22	2:55:A:PHE:HE2	16	0.24	0.07	0.25
(1,1465)	2:46:A:LEU:HD22	2:55:A:PHE:HE1	16	0.24	0.07	0.25
(1,1465)	2:46:A:LEU:HD23	2:55:A:PHE:HE1	16	0.24	0.07	0.25
(1,6949)	2:80:B:SER:H	2:79:B:LEU:HD21	16	0.24	0.07	0.26
(1,6949)	2:80:B:SER:H	2:82:B:ILE:HG13	16	0.24	0.07	0.26
(1,1737)	2:38:B:LEU:HD13	2:55:B:PHE:HE1	16	0.21	0.06	0.22
(1,1737)	2:38:B:LEU:HD13	2:55:B:PHE:HE2	16	0.21	0.06	0.22
(1,1737)	2:38:B:LEU:HD11	2:55:B:PHE:HE1	16	0.21	0.06	0.22
(1,1737)	2:38:B:LEU:HD11	2:55:B:PHE:HE2	16	0.21	0.06	0.22
(1,1737)	2:38:B:LEU:HD12	2:55:B:PHE:HE1	16	0.21	0.06	0.22
(1,1737)	2:38:B:LEU:HD12	2:55:B:PHE:HE2	16	0.21	0.06	0.22
(1,5781)	2:82:A:ILE:HD11	2:42:A:LEU:HB2	16	0.21	0.06	0.22
(1,209)	2:84:A:MET:HE1	2:73:B:GLN:HA	16	0.18	0.06	0.18
(1,3075)	2:74:A:GLU:H	2:70:A:VAL:HB	16	0.13	0.02	0.13
(1,1468)	2:46:A:LEU:HD12	1:1897:C:GLN:HE22	15	1.17	0.65	1.08
(1,1468)	2:46:A:LEU:HD11	1:1897:C:GLN:HE22	15	1.17	0.65	1.08
(1,1468)	2:46:A:LEU:HD13	1:1897:C:GLN:HE22	15	1.17	0.65	1.08
(1,6968)	2:17:A:HIS:H	2:26:A:LYS:HE2	15	0.78	0.32	0.71
(1,6968)	2:17:A:HIS:H	2:26:A:LYS:HE3	15	0.78	0.32	0.71
(1,6427)	2:13:A:VAL:HG21	2:72:A:PHE:HE2	15	0.71	0.25	0.81
(1,6427)	2:13:A:VAL:HG21	2:72:A:PHE:HE1	15	0.71	0.25	0.81
(1,6427)	2:13:A:VAL:HG23	2:72:A:PHE:HE2	15	0.71	0.25	0.81
(1,6427)	2:13:A:VAL:HG22	2:72:A:PHE:HE1	15	0.71	0.25	0.81
(1,6427)	2:13:A:VAL:HG23	2:72:A:PHE:HE1	15	0.71	0.25	0.81
(1,6427)	2:13:B:VAL:HG21	2:72:B:PHE:HE1	15	0.71	0.25	0.81
(1,2275)	2:12:B:MET:HE2	2:80:B:SER:HA	15	0.66	0.17	0.69
(1,2275)	2:12:B:MET:HE3	2:80:B:SER:HA	15	0.66	0.17	0.69
(1,3809)	2:18:A:LYS:H	2:18:A:LYS:HE2	15	0.53	0.04	0.51
(1,3809)	2:18:A:LYS:H	2:18:A:LYS:HE3	15	0.53	0.04	0.51
(1,2129)	2:18:B:LYS:HE2	2:18:B:LYS:H	15	0.52	0.04	0.51
(1,2129)	2:18:B:LYS:HE3	2:18:B:LYS:H	15	0.52	0.04	0.51
(1,785)	2:70:B:VAL:HG21	2:29:B:LEU:HD13	15	0.51	0.27	0.49
(1,785)	2:70:B:VAL:HG22	2:29:B:LEU:HD11	15	0.51	0.27	0.49

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,785)	2:70:B:VAL:HG21	2:29:B:LEU:HD11	15	0.51	0.27	0.49
(1,785)	2:70:B:VAL:HG21	2:29:B:LEU:HD12	15	0.51	0.27	0.49
(1,785)	2:70:B:VAL:HG22	2:29:B:LEU:HD13	15	0.51	0.27	0.49
(1,1362)	2:52:B:GLU:HG2	2:53:B:ALA:HB3	15	0.49	0.25	0.39
(1,1362)	2:52:B:GLU:HG3	2:53:B:ALA:HB1	15	0.49	0.25	0.39
(1,1362)	2:52:B:GLU:HG2	2:53:B:ALA:HB1	15	0.49	0.25	0.39
(1,1362)	2:52:B:GLU:HG2	2:53:B:ALA:HB2	15	0.49	0.25	0.39
(1,1001)	2:60:B:SER:HB2	2:63:B:ASP:HB2	15	0.47	0.05	0.47
(1,1001)	2:60:B:SER:HB3	2:63:B:ASP:HB2	15	0.47	0.05	0.47
(1,5570)	1:1906:C:THR:HG21	1:1905:C:GLU:HG2	15	0.45	0.08	0.47
(1,5570)	1:1906:C:THR:HG22	1:1905:C:GLU:HG2	15	0.45	0.08	0.47
(1,5570)	1:1906:C:THR:HG23	1:1905:C:GLU:HG2	15	0.45	0.08	0.47
(1,1074)	2:59:B:MET:HE3	2:70:B:VAL:HG13	15	0.4	0.16	0.38
(1,1074)	2:59:B:MET:HE1	2:70:B:VAL:HG12	15	0.4	0.16	0.38
(1,1074)	2:59:B:MET:HE3	2:70:B:VAL:HG11	15	0.4	0.16	0.38
(1,1074)	2:59:B:MET:HE3	2:70:B:VAL:HG12	15	0.4	0.16	0.38
(1,1074)	2:59:B:MET:HE1	2:70:B:VAL:HG11	15	0.4	0.16	0.38
(1,1092)	2:59:B:MET:HE1	2:61:B:ASN:H	15	0.39	0.16	0.38
(1,1092)	2:59:B:MET:HE2	2:61:B:ASN:H	15	0.39	0.16	0.38
(1,5949)	2:59:A:MET:HE3	2:29:A:LEU:H	15	0.38	0.18	0.33
(1,5949)	2:59:A:MET:HE1	2:30:A:ASN:H	15	0.38	0.18	0.33
(1,5949)	2:59:A:MET:HE2	2:30:A:ASN:H	15	0.38	0.18	0.33
(1,6524)	2:9:A:LEU:HD11	2:6:A:GLU:HA	15	0.33	0.17	0.26
(1,6524)	2:9:A:LEU:HD12	2:6:A:GLU:HA	15	0.33	0.17	0.26
(1,6524)	2:9:A:LEU:HD13	2:6:A:GLU:HA	15	0.33	0.17	0.26
(1,6524)	2:9:A:LEU:HD12	2:12:A:MET:HA	15	0.33	0.17	0.26
(1,128)	2:85:A:MET:HE1	2:45:A:PHE:H	15	0.31	0.14	0.27
(1,5745)	2:85:B:MET:HE3	2:86:B:CYS:HB2	15	0.31	0.12	0.33
(1,5745)	2:85:B:MET:HE3	2:45:B:PHE:HB2	15	0.31	0.12	0.33
(1,6601)	2:5:A:LEU:HD21	2:12:B:MET:HE1	15	0.28	0.1	0.25
(1,6601)	2:5:A:LEU:HD23	2:12:B:MET:HE3	15	0.28	0.1	0.25
(1,6601)	2:5:A:LEU:HD23	2:12:B:MET:HE1	15	0.28	0.1	0.25
(1,6601)	2:5:A:LEU:HD21	2:12:B:MET:HE3	15	0.28	0.1	0.25
(1,2495)	2:5:B:LEU:HD13	2:6:B:GLU:HA	15	0.28	0.14	0.25
(1,2495)	2:5:B:LEU:HD12	2:6:B:GLU:HA	15	0.28	0.14	0.25
(1,6092)	2:38:A:LEU:HD22	2:42:A:LEU:HG	15	0.27	0.08	0.25
(1,6092)	2:38:A:LEU:HD21	2:42:A:LEU:HG	15	0.27	0.08	0.25
(1,6092)	2:38:A:LEU:HD23	2:42:A:LEU:HG	15	0.27	0.08	0.25
(1,448)	2:79:A:LEU:HD11	2:76:A:CYS:HA	15	0.27	0.07	0.27
(1,448)	2:79:A:LEU:HD12	2:76:A:CYS:HA	15	0.27	0.07	0.27
(1,448)	2:79:A:LEU:HD13	2:76:A:CYS:HA	15	0.27	0.07	0.27
(1,2313)	2:12:A:MET:HE3	2:9:B:LEU:H	15	0.25	0.1	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2313)	2:12:A:MET:HE1	2:9:B:LEU:H	15	0.25	0.1	0.22
(1,1937)	2:34:B:LEU:HD13	2:62:B:LEU:HD21	15	0.25	0.07	0.26
(1,1937)	2:34:B:LEU:HD13	2:62:B:LEU:HD22	15	0.25	0.07	0.26
(1,1937)	2:34:B:LEU:HD13	2:62:B:LEU:HD23	15	0.25	0.07	0.26
(1,4179)	2:46:A:LEU:HD22	1:1900:C:LEU:HG	15	0.24	0.11	0.24
(1,4179)	2:46:A:LEU:HD23	1:1900:C:LEU:HG	15	0.24	0.11	0.24
(1,4179)	2:46:A:LEU:HD21	1:1900:C:LEU:HG	15	0.24	0.11	0.24
(1,6402)	2:15:A:THR:HG22	2:37:A:LEU:H	15	0.24	0.1	0.25
(1,6402)	2:15:A:THR:HG23	2:37:A:LEU:H	15	0.24	0.1	0.25
(1,6402)	2:15:A:THR:HG21	2:37:A:LEU:H	15	0.24	0.1	0.25
(1,2522)	2:5:B:LEU:HD23	2:9:B:LEU:H	15	0.23	0.09	0.21
(1,2522)	2:5:B:LEU:HD21	2:9:B:LEU:H	15	0.23	0.09	0.21
(1,2010)	2:29:B:LEU:HD11	2:34:B:LEU:H	15	0.18	0.06	0.15
(1,2010)	2:29:B:LEU:HD13	2:34:B:LEU:H	15	0.18	0.06	0.15
(1,2010)	2:29:B:LEU:HD12	2:34:B:LEU:H	15	0.18	0.06	0.15
(1,5621)	1:1903:C:ALA:HB1	1:1899:C:GLU:HG3	15	0.18	0.04	0.18
(1,5621)	1:1903:C:ALA:HB2	1:1899:C:GLU:HG3	15	0.18	0.04	0.18
(1,5621)	1:1903:C:ALA:HB3	1:1899:C:GLU:HG3	15	0.18	0.04	0.18
(1,628)	2:76:B:CYS:HA	2:12:B:MET:HA	15	0.15	0.05	0.13
(1,5654)	1:1900:C:LEU:HD21	2:78:A:PHE:HE1	15	0.14	0.04	0.13
(1,5654)	1:1900:C:LEU:HD21	2:78:A:PHE:HE2	15	0.14	0.04	0.13
(1,5654)	1:1900:C:LEU:HD22	2:78:A:PHE:HE1	15	0.14	0.04	0.13
(1,5654)	1:1900:C:LEU:HD22	2:78:A:PHE:HE2	15	0.14	0.04	0.13
(1,5654)	1:1900:C:LEU:HD23	2:78:A:PHE:HE1	15	0.14	0.04	0.13
(1,5654)	1:1900:C:LEU:HD23	2:78:A:PHE:HE2	15	0.14	0.04	0.13
(1,145)	2:85:A:MET:HE3	2:82:A:ILE:HA	15	0.13	0.02	0.13
(1,3539)	2:61:B:ASN:H	2:62:B:LEU:HG	15	0.12	0.01	0.12
(1,6618)	2:2:B:ALA:HA	2:7:B:LYS:HE2	14	1.05	0.62	1.28
(1,6618)	2:2:A:ALA:HA	2:7:A:LYS:HE2	14	1.05	0.62	1.28
(1,6618)	2:2:A:ALA:HA	2:7:B:LYS:HE2	14	1.05	0.62	1.28
(1,6618)	2:2:B:ALA:HA	2:7:B:LYS:HE3	14	1.05	0.62	1.28
(1,6618)	2:2:A:ALA:HA	2:7:A:LYS:HE3	14	1.05	0.62	1.28
(1,6951)	2:82:B:ILE:H	1:1917:C:LEU:HD12	14	1.05	0.21	1.04
(1,6951)	2:82:B:ILE:H	1:1917:C:LEU:HD13	14	1.05	0.21	1.04
(1,6951)	2:82:B:ILE:H	1:1917:C:LEU:HD11	14	1.05	0.21	1.04
(1,6360)	2:21:B:GLY:HA2	2:26:B:LYS:HD3	14	0.7	0.27	0.73
(1,6360)	2:21:B:GLY:HA2	2:26:B:LYS:HD2	14	0.7	0.27	0.73
(1,6360)	2:21:A:GLY:HA2	2:26:A:LYS:HD3	14	0.7	0.27	0.73
(1,6574)	2:6:A:GLU:HA	2:41:B:GLU:HB2	14	0.47	0.16	0.48
(1,6574)	2:6:B:GLU:HA	2:41:A:GLU:HB2	14	0.47	0.16	0.48
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD11	14	0.46	0.19	0.37
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD12	14	0.46	0.19	0.37

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD13	14	0.46	0.19	0.37
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD11	14	0.46	0.19	0.37
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD12	14	0.46	0.19	0.37
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD13	14	0.46	0.19	0.37
(1,1097)	2:59:B:MET:HE2	2:68:B:ASN:HD21	14	0.45	0.22	0.45
(1,1097)	2:59:B:MET:HE3	2:68:B:ASN:HD21	14	0.45	0.22	0.45
(1,1329)	2:53:B:ALA:HB2	2:57:B:LYS:HE2	14	0.4	0.13	0.45
(1,1329)	2:53:B:ALA:HB3	2:57:B:LYS:HE2	14	0.4	0.13	0.45
(1,1329)	2:53:B:ALA:HB3	2:57:B:LYS:HE3	14	0.4	0.13	0.45
(1,1329)	2:53:B:ALA:HB1	2:57:B:LYS:HE2	14	0.4	0.13	0.45
(1,1329)	2:53:B:ALA:HB1	2:57:B:LYS:HE3	14	0.4	0.13	0.45
(1,1030)	2:59:A:MET:HE1	2:70:A:VAL:HG12	14	0.4	0.17	0.4
(1,1030)	2:59:A:MET:HE3	2:70:A:VAL:HG13	14	0.4	0.17	0.4
(1,1030)	2:59:A:MET:HE3	2:70:A:VAL:HG12	14	0.4	0.17	0.4
(1,1030)	2:59:A:MET:HE2	2:70:A:VAL:HG13	14	0.4	0.17	0.4
(1,1030)	2:59:A:MET:HE2	2:70:A:VAL:HG11	14	0.4	0.17	0.4
(1,1030)	2:59:A:MET:HE1	2:70:A:VAL:HG13	14	0.4	0.17	0.4
(1,5960)	2:59:B:MET:HE1	2:60:B:SER:HA	14	0.37	0.14	0.34
(1,5960)	2:59:B:MET:HE2	2:60:B:SER:HA	14	0.37	0.14	0.34
(1,6158)	2:88:B:GLU:HG3	2:86:B:CYS:HA	14	0.36	0.16	0.34
(1,6158)	2:88:B:GLU:HG3	2:87:B:ASN:HA	14	0.36	0.16	0.34
(1,6656)	2:100:B:LYS:H	2:100:B:LYS:HA	14	0.36	0.04	0.36
(1,6656)	2:100:A:LYS:H	2:100:A:LYS:HA	14	0.36	0.04	0.36
(1,1709)	2:38:A:LEU:HD11	2:42:A:LEU:HD21	14	0.33	0.19	0.32
(1,1709)	2:38:A:LEU:HD13	2:42:A:LEU:HD22	14	0.33	0.19	0.32
(1,1709)	2:38:A:LEU:HD12	2:42:A:LEU:HD23	14	0.33	0.19	0.32
(1,1709)	2:38:A:LEU:HD13	2:42:A:LEU:HD21	14	0.33	0.19	0.32
(1,1709)	2:38:A:LEU:HD13	2:42:A:LEU:HD23	14	0.33	0.19	0.32
(1,1709)	2:38:A:LEU:HD11	2:42:A:LEU:HD23	14	0.33	0.19	0.32
(1,1034)	2:59:A:MET:HE1	2:68:A:ASN:HB3	14	0.29	0.12	0.3
(1,1034)	2:59:A:MET:HE2	2:68:A:ASN:HB3	14	0.29	0.12	0.3
(1,1034)	2:59:A:MET:HE3	2:68:A:ASN:HB3	14	0.29	0.12	0.3
(1,2988)	2:61:A:ASN:H	2:62:A:LEU:HD21	14	0.29	0.15	0.22
(1,2988)	2:61:A:ASN:H	2:62:A:LEU:HD22	14	0.29	0.15	0.22
(1,2988)	2:61:A:ASN:H	2:62:A:LEU:HD23	14	0.29	0.15	0.22
(1,6555)	2:8:A:ALA:HB3	2:6:A:GLU:HA	14	0.25	0.07	0.25
(1,6555)	2:8:B:ALA:HB2	2:6:B:GLU:HA	14	0.25	0.07	0.25
(1,6555)	2:8:A:ALA:HB2	2:12:B:MET:HA	14	0.25	0.07	0.25
(1,6555)	2:8:A:ALA:HB2	2:6:A:GLU:HA	14	0.25	0.07	0.25
(1,6555)	2:8:A:ALA:HB1	2:6:A:GLU:HA	14	0.25	0.07	0.25
(1,6555)	2:8:B:ALA:HB1	2:6:B:GLU:HA	14	0.25	0.07	0.25
(1,1043)	2:59:A:MET:HE2	2:60:A:SER:H	14	0.25	0.09	0.27

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1043)	2:59:A:MET:HE3	2:60:A:SER:H	14	0.25	0.09	0.27
(1,1043)	2:59:A:MET:HE1	2:60:A:SER:H	14	0.25	0.09	0.27
(1,276)	2:83:A:ALA:HB3	2:82:A:ILE:HG23	14	0.24	0.07	0.28
(1,276)	2:83:A:ALA:HB2	2:82:A:ILE:HG23	14	0.24	0.07	0.28
(1,276)	2:83:A:ALA:HB1	2:82:A:ILE:HG23	14	0.24	0.07	0.28
(1,309)	2:82:A:ILE:HG23	2:83:A:ALA:HB3	14	0.24	0.07	0.28
(1,309)	2:82:A:ILE:HG23	2:83:A:ALA:HB2	14	0.24	0.07	0.28
(1,309)	2:82:A:ILE:HG23	2:83:A:ALA:HB1	14	0.24	0.07	0.28
(1,6554)	2:8:B:ALA:HB1	2:8:A:ALA:HA	14	0.21	0.03	0.22
(1,6554)	2:8:B:ALA:HB2	2:8:A:ALA:HA	14	0.21	0.03	0.22
(1,6554)	2:8:B:ALA:HB1	2:8:B:ALA:HA	14	0.21	0.03	0.22
(1,6554)	2:8:B:ALA:HB3	2:8:B:ALA:HA	14	0.21	0.03	0.22
(1,6554)	2:8:A:ALA:HB3	2:8:A:ALA:HA	14	0.21	0.03	0.22
(1,6554)	2:8:B:ALA:HB2	2:8:B:ALA:HA	14	0.21	0.03	0.22
(1,2045)	2:28:A:LYS:HA	2:75:A:TYR:HD1	14	0.21	0.05	0.21
(1,2045)	2:28:A:LYS:HA	2:75:A:TYR:HD2	14	0.21	0.05	0.21
(1,5661)	1:1900:C:LEU:HD13	2:45:A:PHE:HA	14	0.21	0.06	0.2
(1,5661)	1:1900:C:LEU:HD12	2:45:A:PHE:HA	14	0.21	0.06	0.2
(1,5661)	1:1900:C:LEU:HD11	2:45:A:PHE:HA	14	0.21	0.06	0.2
(1,5191)	1:1929:C:VAL:HG11	1:1931:C:PRO:HD3	14	0.16	0.04	0.15
(1,5191)	1:1929:C:VAL:HG12	1:1931:C:PRO:HD3	14	0.16	0.04	0.15
(1,5191)	1:1929:C:VAL:HG13	1:1931:C:PRO:HD3	14	0.16	0.04	0.15
(1,5774)	2:83:B:ALA:HB3	2:79:A:LEU:HD11	13	1.07	0.36	1.22
(1,5774)	2:83:B:ALA:HB1	2:82:B:ILE:HG12	13	1.07	0.36	1.22
(1,5774)	2:83:B:ALA:HB2	2:82:B:ILE:HG12	13	1.07	0.36	1.22
(1,4043)	2:85:A:MET:HE2	1:1898:C:ARG:HG2	13	0.92	0.09	0.92
(1,4043)	2:85:A:MET:HE2	1:1898:C:ARG:HG3	13	0.92	0.09	0.92
(1,4010)	2:58:B:LEU:HD11	1:1917:C:LEU:HD11	13	0.73	0.26	0.87
(1,4010)	2:58:B:LEU:HD11	1:1917:C:LEU:HD12	13	0.73	0.26	0.87
(1,4010)	2:58:B:LEU:HD11	1:1917:C:LEU:HD13	13	0.73	0.26	0.87
(1,4010)	2:58:B:LEU:HD12	1:1917:C:LEU:HD11	13	0.73	0.26	0.87
(1,4010)	2:58:B:LEU:HD12	1:1917:C:LEU:HD12	13	0.73	0.26	0.87
(1,4010)	2:58:B:LEU:HD12	1:1917:C:LEU:HD13	13	0.73	0.26	0.87
(1,2546)	2:5:A:LEU:HD23	2:12:B:MET:HG3	13	0.71	0.32	0.84
(1,2546)	2:5:A:LEU:HD23	2:12:B:MET:HB3	13	0.71	0.32	0.84
(1,2546)	2:5:A:LEU:HD21	2:12:B:MET:HG3	13	0.71	0.32	0.84
(1,6593)	2:5:B:LEU:HD23	2:37:A:LEU:HD22	13	0.7	0.22	0.64
(1,6593)	2:5:B:LEU:HD22	2:37:A:LEU:HD22	13	0.7	0.22	0.64
(1,6593)	2:5:B:LEU:HD23	2:42:A:LEU:HD13	13	0.7	0.22	0.64
(1,6593)	2:5:B:LEU:HD22	2:42:A:LEU:HD13	13	0.7	0.22	0.64
(1,252)	2:84:B:MET:HE1	2:72:A:PHE:HD1	13	0.67	0.16	0.72
(1,252)	2:84:B:MET:HE1	2:72:A:PHE:HD2	13	0.67	0.16	0.72

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,6456)	2:12:A:MET:HE1	2:9:A:LEU:HA	13	0.57	0.25	0.68
(1,6456)	2:12:A:MET:HE2	2:9:A:LEU:HA	13	0.57	0.25	0.68
(1,4125)	2:76:A:CYS:HB3	1:1910:C:MET:HG2	13	0.56	0.21	0.67
(1,6517)	2:9:A:LEU:HD21	2:12:A:MET:HB2	13	0.56	0.25	0.67
(1,6517)	2:9:A:LEU:HD23	2:12:A:MET:HB2	13	0.56	0.25	0.67
(1,6517)	2:9:A:LEU:HD22	2:12:A:MET:HB2	13	0.56	0.25	0.67
(1,7005)	2:72:A:PHE:HE2	2:13:A:VAL:HG21	13	0.49	0.16	0.58
(1,7005)	2:72:A:PHE:HE2	2:13:A:VAL:HG23	13	0.49	0.16	0.58
(1,7005)	2:72:A:PHE:HE1	2:13:A:VAL:HG21	13	0.49	0.16	0.58
(1,7005)	2:72:A:PHE:HE1	2:13:A:VAL:HG22	13	0.49	0.16	0.58
(1,7005)	2:72:A:PHE:HE1	2:13:A:VAL:HG23	13	0.49	0.16	0.58
(1,900)	2:62:A:LEU:HD12	2:61:A:ASN:HB3	13	0.42	0.16	0.46
(1,900)	2:62:A:LEU:HD11	2:61:A:ASN:HB3	13	0.42	0.16	0.46
(1,900)	2:62:A:LEU:HD13	2:61:A:ASN:HB3	13	0.42	0.16	0.46
(1,6455)	2:12:A:MET:HE2	2:76:A:CYS:HA	13	0.4	0.14	0.39
(1,6455)	2:12:A:MET:HE3	2:76:A:CYS:HA	13	0.4	0.14	0.39
(1,1771)	2:37:A:LEU:HD11	2:16:A:PHE:HA	13	0.39	0.11	0.37
(1,1771)	2:37:A:LEU:HD13	2:16:A:PHE:HA	13	0.39	0.11	0.37
(1,1771)	2:37:A:LEU:HD12	2:16:A:PHE:HA	13	0.39	0.11	0.37
(1,1774)	2:37:B:LEU:HD11	2:16:B:PHE:HA	13	0.39	0.11	0.37
(1,1774)	2:37:B:LEU:HD13	2:16:B:PHE:HA	13	0.39	0.11	0.37
(1,1774)	2:37:B:LEU:HD12	2:16:B:PHE:HA	13	0.39	0.11	0.37
(1,5482)	1:1910:C:MET:HG3	2:73:B:GLN:HB3	13	0.38	0.13	0.35
(1,6612)	2:3:A:CYS:HB3	2:43:B:PRO:HD3	13	0.33	0.12	0.34
(1,1960)	2:34:B:LEU:HD21	2:29:B:LEU:HD11	13	0.3	0.08	0.29
(1,1960)	2:34:B:LEU:HD21	2:29:B:LEU:HD13	13	0.3	0.08	0.29
(1,1960)	2:34:B:LEU:HD22	2:29:B:LEU:HD11	13	0.3	0.08	0.29
(1,1960)	2:34:B:LEU:HD22	2:29:B:LEU:HD12	13	0.3	0.08	0.29
(1,1960)	2:34:B:LEU:HD22	2:29:B:LEU:HD13	13	0.3	0.08	0.29
(1,6195)	2:33:B:GLU:HA	2:37:B:LEU:HD13	13	0.29	0.17	0.25
(1,6195)	2:33:B:GLU:HA	2:37:B:LEU:HD11	13	0.29	0.17	0.25
(1,6195)	2:33:A:GLU:HA	2:37:A:LEU:HD12	13	0.29	0.17	0.25
(1,6195)	2:33:A:GLU:HA	2:37:A:LEU:HD11	13	0.29	0.17	0.25
(1,6195)	2:33:A:GLU:HA	2:37:A:LEU:HD13	13	0.29	0.17	0.25
(1,6195)	2:33:A:GLU:HA	2:35:A:LYS:HG2	13	0.29	0.17	0.25
(1,6195)	2:33:B:GLU:HA	2:37:B:LEU:HD12	13	0.29	0.17	0.25
(1,717)	2:70:B:VAL:HG13	2:78:B:PHE:HE1	13	0.27	0.12	0.23
(1,717)	2:70:B:VAL:HG13	2:78:B:PHE:HE2	13	0.27	0.12	0.23
(1,717)	2:70:B:VAL:HG12	2:78:B:PHE:HE1	13	0.27	0.12	0.23
(1,717)	2:70:B:VAL:HG12	2:78:B:PHE:HE2	13	0.27	0.12	0.23
(1,717)	2:70:B:VAL:HG11	2:78:B:PHE:HE1	13	0.27	0.12	0.23
(1,717)	2:70:B:VAL:HG11	2:78:B:PHE:HE2	13	0.27	0.12	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD11	13	0.26	0.15	0.23
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD12	13	0.26	0.15	0.23
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD13	13	0.26	0.15	0.23
(1,6556)	2:8:A:ALA:HB3	2:11:B:VAL:HA	13	0.23	0.1	0.22
(1,6556)	2:8:A:ALA:HB1	2:11:B:VAL:HA	13	0.23	0.1	0.22
(1,6556)	2:8:A:ALA:HB2	2:11:B:VAL:HA	13	0.23	0.1	0.22
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG21	13	0.17	0.04	0.17
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG22	13	0.17	0.04	0.17
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG23	13	0.17	0.04	0.17
(2,15)	2:35:A:LYS:HE3	2:50:A:THR:HB	13	0.16	0.03	0.16
(1,6108)	2:38:B:LEU:HD11	2:34:B:LEU:HD22	13	0.15	0.06	0.13
(1,6108)	2:38:B:LEU:HD12	2:34:B:LEU:HD22	13	0.15	0.06	0.13
(1,6108)	2:38:B:LEU:HD13	2:34:B:LEU:HD23	13	0.15	0.06	0.13
(1,6108)	2:38:B:LEU:HD12	2:58:B:LEU:HD22	13	0.15	0.06	0.13
(1,6108)	2:38:B:LEU:HD11	2:34:B:LEU:HD23	13	0.15	0.06	0.13
(1,6108)	2:38:B:LEU:HD12	2:34:B:LEU:HD23	13	0.15	0.06	0.13
(1,5169)	1:1929:C:VAL:HG11	2:48:B:LYS:H	13	0.15	0.04	0.13
(1,5169)	1:1929:C:VAL:HG12	2:48:B:LYS:H	13	0.15	0.04	0.13
(1,5169)	1:1929:C:VAL:HG13	2:48:B:LYS:H	13	0.15	0.04	0.13
(1,4483)	2:45:B:PHE:H	1:1930:C:VAL:HA	13	0.14	0.02	0.13
(1,6091)	2:38:A:LEU:HD12	2:34:A:LEU:HG	13	0.14	0.02	0.13
(1,6091)	2:38:A:LEU:HD11	2:34:A:LEU:HG	13	0.14	0.02	0.13
(1,6091)	2:38:A:LEU:HD13	2:34:A:LEU:HG	13	0.14	0.02	0.13
(1,4752)	2:58:A:LEU:H	1:1898:C:ARG:HD3	12	1.53	1.43	1.16
(1,4752)	2:53:A:ALA:H	1:1898:C:ARG:HD2	12	1.53	1.43	1.16
(1,4056)	2:85:B:MET:HE1	1:1922:C:ARG:HG2	12	1.31	0.5	1.65
(1,4056)	2:85:B:MET:HE2	1:1922:C:ARG:HG2	12	1.31	0.5	1.65
(1,6333)	2:23:B:GLU:HG2	2:22:B:LYS:H	12	0.51	0.3	0.53
(1,6333)	2:23:A:GLU:HG2	2:22:A:LYS:H	12	0.51	0.3	0.53
(1,2182)	2:15:B:THR:HG23	2:41:B:GLU:HG2	12	0.51	0.12	0.51
(1,2182)	2:15:B:THR:HG21	2:41:B:GLU:HG2	12	0.51	0.12	0.51
(1,2182)	2:15:B:THR:HG22	2:41:B:GLU:HG2	12	0.51	0.12	0.51
(1,6250)	2:28:B:LYS:HB3	2:29:B:LEU:HB2	12	0.49	0.08	0.48
(1,6250)	2:28:B:LYS:HB3	2:69:B:GLU:HG2	12	0.49	0.08	0.48
(1,6009)	2:49:B:ARG:HG3	2:54:B:ALA:HB3	12	0.44	0.2	0.4
(1,6009)	2:49:B:ARG:HG3	2:35:B:LYS:HD2	12	0.44	0.2	0.4
(1,6009)	2:49:B:ARG:HG3	2:54:B:ALA:HB2	12	0.44	0.2	0.4
(1,1070)	2:59:B:MET:HE1	2:62:B:LEU:HD22	12	0.4	0.2	0.38
(1,1070)	2:59:B:MET:HE1	2:62:B:LEU:HD21	12	0.4	0.2	0.38
(1,1070)	2:59:B:MET:HE3	2:62:B:LEU:HD22	12	0.4	0.2	0.38
(1,1070)	2:59:B:MET:HE1	2:62:B:LEU:HD23	12	0.4	0.2	0.38
(1,1070)	2:59:B:MET:HE2	2:62:B:LEU:HD22	12	0.4	0.2	0.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,134)	2:85:A:MET:HE1	2:82:A:ILE:HD11	12	0.39	0.14	0.4
(1,134)	2:85:A:MET:HE3	2:82:A:ILE:HD13	12	0.39	0.14	0.4
(1,134)	2:85:A:MET:HE3	2:82:A:ILE:HD11	12	0.39	0.14	0.4
(1,134)	2:85:A:MET:HE1	2:82:A:ILE:HD13	12	0.39	0.14	0.4
(1,744)	2:70:A:VAL:HG23	2:75:A:TYR:H	12	0.36	0.15	0.36
(1,744)	2:70:A:VAL:HG22	2:75:A:TYR:H	12	0.36	0.15	0.36
(1,744)	2:70:A:VAL:HG21	2:75:A:TYR:H	12	0.36	0.15	0.36
(1,742)	2:70:A:VAL:HG22	2:58:A:LEU:HG	12	0.34	0.12	0.36
(1,742)	2:70:A:VAL:HG21	2:58:A:LEU:HG	12	0.34	0.12	0.36
(1,742)	2:70:A:VAL:HG23	2:58:A:LEU:HG	12	0.34	0.12	0.36
(1,2300)	2:12:A:MET:HE3	2:79:A:LEU:HD11	12	0.33	0.12	0.32
(1,2300)	2:12:A:MET:HE3	2:79:A:LEU:HD12	12	0.33	0.12	0.32
(1,2300)	2:12:A:MET:HE3	2:79:A:LEU:HD13	12	0.33	0.12	0.32
(1,2300)	2:12:A:MET:HE1	2:79:A:LEU:HD13	12	0.33	0.12	0.32
(1,4092)	2:84:B:MET:HE3	1:1911:C:ASN:HA	12	0.32	0.04	0.32
(1,2331)	2:11:A:VAL:HG13	2:7:A:LYS:HG2	12	0.32	0.14	0.32
(1,2331)	2:11:A:VAL:HG13	2:7:A:LYS:HG3	12	0.32	0.14	0.32
(1,2331)	2:11:A:VAL:HG11	2:7:A:LYS:HG3	12	0.32	0.14	0.32
(1,2331)	2:11:A:VAL:HG12	2:7:A:LYS:HG3	12	0.32	0.14	0.32
(1,2331)	2:11:A:VAL:HG11	2:7:A:LYS:HG2	12	0.32	0.14	0.32
(1,2331)	2:11:A:VAL:HG12	2:7:A:LYS:HG2	12	0.32	0.14	0.32
(1,1051)	2:59:A:MET:HE2	2:68:A:ASN:H	12	0.32	0.08	0.31
(1,1051)	2:59:A:MET:HE3	2:68:A:ASN:H	12	0.32	0.08	0.31
(1,4086)	2:84:B:MET:HE2	1:1918:C:LYS:HD3	12	0.31	0.07	0.32
(1,3886)	2:82:A:ILE:HD11	1:1900:C:LEU:HD21	12	0.3	0.13	0.3
(1,3886)	2:82:A:ILE:HD11	1:1900:C:LEU:HD22	12	0.3	0.13	0.3
(1,3886)	2:82:A:ILE:HD11	1:1900:C:LEU:HD23	12	0.3	0.13	0.3
(1,3886)	2:82:A:ILE:HD12	1:1900:C:LEU:HD21	12	0.3	0.13	0.3
(1,3886)	2:82:A:ILE:HD12	1:1900:C:LEU:HD22	12	0.3	0.13	0.3
(1,3886)	2:82:A:ILE:HD12	1:1900:C:LEU:HD23	12	0.3	0.13	0.3
(1,3886)	2:82:A:ILE:HD13	1:1900:C:LEU:HD21	12	0.3	0.13	0.3
(1,3886)	2:82:A:ILE:HD13	1:1900:C:LEU:HD22	12	0.3	0.13	0.3
(1,3886)	2:82:A:ILE:HD13	1:1900:C:LEU:HD23	12	0.3	0.13	0.3
(1,1037)	2:59:A:MET:HE3	2:68:A:ASN:HA	12	0.3	0.1	0.29
(1,1037)	2:59:A:MET:HE1	2:68:A:ASN:HA	12	0.3	0.1	0.29
(1,1037)	2:59:A:MET:HE2	2:68:A:ASN:HA	12	0.3	0.1	0.29
(1,5496)	1:1910:C:MET:HE2	2:80:A:SER:HB3	12	0.29	0.1	0.33
(1,5496)	1:1910:C:MET:HE1	2:80:A:SER:HB3	12	0.29	0.1	0.33
(1,5496)	1:1910:C:MET:HE3	2:80:A:SER:HB3	12	0.29	0.1	0.33
(1,5496)	1:1910:C:MET:HE2	2:77:B:VAL:HA	12	0.29	0.1	0.33
(1,6144)	2:37:A:LEU:HD12	2:12:A:MET:HA	12	0.24	0.11	0.2
(1,6144)	2:37:B:LEU:HD11	2:12:B:MET:HA	12	0.24	0.11	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,6144)	2:37:B:LEU:HD13	2:12:B:MET:HA	12	0.24	0.11	0.2
(1,6144)	2:37:B:LEU:HD12	2:12:B:MET:HA	12	0.24	0.11	0.2
(1,6144)	2:37:A:LEU:HD11	2:12:A:MET:HA	12	0.24	0.11	0.2
(1,6577)	2:6:B:GLU:HA	2:42:A:LEU:HD11	12	0.23	0.08	0.24
(1,1088)	2:59:B:MET:HE3	2:69:B:GLU:HA	12	0.21	0.06	0.22
(1,1088)	2:59:B:MET:HE2	2:69:B:GLU:HA	12	0.21	0.06	0.22
(2,49)	1:1935:C:ALA:HB1	1:1932:C:ARG:HA	12	0.21	0.07	0.2
(2,49)	1:1935:C:ALA:HB2	1:1932:C:ARG:HA	12	0.21	0.07	0.2
(2,49)	1:1935:C:ALA:HB3	1:1932:C:ARG:HA	12	0.21	0.07	0.2
(1,6235)	2:29:A:LEU:HD11	2:34:A:LEU:H	12	0.2	0.07	0.18
(1,6235)	2:29:A:LEU:HD13	2:75:A:TYR:H	12	0.2	0.07	0.18
(1,6235)	2:29:A:LEU:HD12	2:34:A:LEU:H	12	0.2	0.07	0.18
(1,6797)	2:47:A:GLY:H	2:46:A:LEU:HA	12	0.17	0.03	0.17
(1,3420)	2:42:B:LEU:H	2:37:B:LEU:HB3	12	0.14	0.02	0.14
(1,452)	2:79:A:LEU:HD23	2:82:A:ILE:HG13	12	0.13	0.01	0.12
(1,452)	2:79:A:LEU:HD22	2:82:A:ILE:HG13	12	0.13	0.01	0.12
(1,5395)	1:1914:C:VAL:HG12	1:1912:C:ARG:HD2	11	1.11	0.12	1.14
(1,5395)	1:1914:C:VAL:HG11	1:1912:C:ARG:HD2	11	1.11	0.12	1.14
(1,5395)	1:1914:C:VAL:HG13	1:1912:C:ARG:HD2	11	1.11	0.12	1.14
(1,1155)	2:58:A:LEU:HD23	2:85:A:MET:HE1	11	0.53	0.19	0.55
(1,1155)	2:58:A:LEU:HD22	2:85:A:MET:HE1	11	0.53	0.19	0.55
(1,1155)	2:58:A:LEU:HD23	2:85:A:MET:HE2	11	0.53	0.19	0.55
(1,1155)	2:58:A:LEU:HD22	2:85:A:MET:HE2	11	0.53	0.19	0.55
(1,5741)	2:85:A:MET:HE1	2:58:A:LEU:HD23	11	0.53	0.19	0.55
(1,5741)	2:85:A:MET:HE1	2:58:A:LEU:HD22	11	0.53	0.19	0.55
(1,5741)	2:85:A:MET:HE2	2:58:A:LEU:HD23	11	0.53	0.19	0.55
(1,5741)	2:85:A:MET:HE2	2:58:A:LEU:HD22	11	0.53	0.19	0.55
(1,6458)	2:12:A:MET:HE3	2:75:A:TYR:HD1	11	0.47	0.21	0.46
(1,6458)	2:12:A:MET:HE3	2:75:A:TYR:HD2	11	0.47	0.21	0.46
(1,5804)	2:79:A:LEU:HD22	2:12:B:MET:HE2	11	0.42	0.19	0.49
(1,5804)	2:79:A:LEU:HD21	2:12:A:MET:HE1	11	0.42	0.19	0.49
(1,5804)	2:79:A:LEU:HD22	2:12:A:MET:HE1	11	0.42	0.19	0.49
(1,1661)	2:39:A:THR:HG23	2:55:A:PHE:HE1	11	0.34	0.13	0.34
(1,1661)	2:39:A:THR:HG23	2:55:A:PHE:HE2	11	0.34	0.13	0.34
(1,1661)	2:39:A:THR:HG21	2:55:A:PHE:HE1	11	0.34	0.13	0.34
(1,1661)	2:39:A:THR:HG22	2:55:A:PHE:HE1	11	0.34	0.13	0.34
(1,6437)	2:12:B:MET:HE1	2:79:A:LEU:HB3	11	0.32	0.16	0.28
(1,6437)	2:12:B:MET:HE2	2:79:A:LEU:HB3	11	0.32	0.16	0.28
(1,4718)	1:1898:C:ARG:H	1:1898:C:ARG:HB3	11	0.32	0.03	0.32
(1,5929)	2:62:B:LEU:HD13	1:1918:C:LYS:HA	11	0.29	0.13	0.29
(1,5929)	2:62:B:LEU:HD12	1:1918:C:LYS:HA	11	0.29	0.13	0.29
(1,5791)	2:82:B:ILE:HD12	2:58:B:LEU:HD11	11	0.28	0.1	0.29

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5791)	2:82:B:ILE:HD13	2:58:B:LEU:HD11	11	0.28	0.1	0.29
(1,5791)	2:82:B:ILE:HD12	1:1929:C:VAL:HG11	11	0.28	0.1	0.29
(1,5791)	2:82:B:ILE:HD12	2:58:B:LEU:HD13	11	0.28	0.1	0.29
(2,45)	1:1918:C:LYS:H	1:1916:C:SER:HB2	11	0.27	0.1	0.24
(1,6157)	2:36:A:GLU:HG2	2:40:A:ARG:HD3	11	0.26	0.23	0.18
(1,6157)	2:36:B:GLU:HG2	2:40:B:ARG:HD3	11	0.26	0.23	0.18
(1,2181)	2:15:B:THR:HG23	2:41:B:GLU:HB2	11	0.24	0.08	0.26
(1,2181)	2:15:B:THR:HG22	2:41:B:GLU:HB2	11	0.24	0.08	0.26
(1,2181)	2:15:B:THR:HG21	2:41:B:GLU:HB2	11	0.24	0.08	0.26
(1,1700)	2:38:A:LEU:HD23	2:55:A:PHE:HE1	11	0.23	0.07	0.25
(1,1700)	2:38:A:LEU:HD23	2:55:A:PHE:HE2	11	0.23	0.07	0.25
(1,1700)	2:38:A:LEU:HD22	2:55:A:PHE:HE1	11	0.23	0.07	0.25
(1,1700)	2:38:A:LEU:HD22	2:55:A:PHE:HE2	11	0.23	0.07	0.25
(1,1700)	2:38:A:LEU:HD21	2:55:A:PHE:HE1	11	0.23	0.07	0.25
(1,1700)	2:38:A:LEU:HD21	2:55:A:PHE:HE2	11	0.23	0.07	0.25
(1,1548)	2:42:A:LEU:HD12	2:37:A:LEU:HB3	11	0.23	0.11	0.2
(1,353)	2:82:B:ILE:HG21	1:1928:C:PHE:HZ	11	0.22	0.09	0.18
(1,353)	2:82:B:ILE:HG23	1:1928:C:PHE:HZ	11	0.22	0.09	0.18
(1,353)	2:82:B:ILE:HG22	1:1928:C:PHE:HZ	11	0.22	0.09	0.18
(1,731)	2:70:A:VAL:HG12	2:74:A:GLU:HG2	11	0.21	0.08	0.24
(1,731)	2:70:A:VAL:HG11	2:74:A:GLU:HG2	11	0.21	0.08	0.24
(1,731)	2:70:A:VAL:HG13	2:74:A:GLU:HG2	11	0.21	0.08	0.24
(1,1592)	2:35:B:LYS:HG2	2:36:B:GLU:HG2	11	0.2	0.04	0.22
(1,6841)	2:80:A:SER:H	2:77:A:VAL:HG21	11	0.18	0.04	0.19
(1,2225)	2:13:A:VAL:HG11	2:16:A:PHE:HB2	11	0.18	0.05	0.17
(1,2225)	2:13:A:VAL:HG13	2:16:A:PHE:HB2	11	0.18	0.05	0.17
(1,6489)	2:11:A:VAL:HG13	2:8:A:ALA:H	11	0.17	0.05	0.15
(1,6489)	2:11:A:VAL:HG11	2:8:A:ALA:H	11	0.17	0.05	0.15
(1,6489)	2:11:A:VAL:HG12	2:8:A:ALA:H	11	0.17	0.05	0.15
(1,2308)	2:12:A:MET:HE3	2:79:A:LEU:HA	11	0.17	0.05	0.14
(1,2308)	2:12:A:MET:HE1	2:79:A:LEU:HA	11	0.17	0.05	0.14
(1,4149)	2:61:B:ASN:HA	1:1921:C:LEU:HD11	11	0.15	0.03	0.15
(1,4149)	2:61:B:ASN:HA	1:1921:C:LEU:HD12	11	0.15	0.03	0.15
(1,4149)	2:61:B:ASN:HA	1:1921:C:LEU:HD13	11	0.15	0.03	0.15
(1,6799)	2:49:A:ARG:H	2:48:A:LYS:HA	11	0.15	0.02	0.14
(1,5178)	1:1929:C:VAL:HG11	2:45:B:PHE:HA	11	0.14	0.02	0.13
(1,5178)	1:1929:C:VAL:HG12	2:45:B:PHE:HA	11	0.14	0.02	0.13
(1,5178)	1:1929:C:VAL:HG13	2:45:B:PHE:HA	11	0.14	0.02	0.13
(1,4281)	1:1917:C:LEU:H	1:1917:C:LEU:HA	11	0.12	0.01	0.12
(1,6152)	2:37:B:LEU:HD22	2:19:B:TYR:HE2	10	0.96	0.32	1.1
(1,6152)	2:37:B:LEU:HD23	2:19:B:TYR:HE2	10	0.96	0.32	1.1
(1,6152)	2:37:A:LEU:HD21	2:19:A:TYR:HE1	10	0.96	0.32	1.1

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,6152)	2:37:B:LEU:HD21	2:19:B:TYR:HE2	10	0.96	0.32	1.1
(1,6152)	2:37:B:LEU:HD22	2:19:B:TYR:HE1	10	0.96	0.32	1.1
(1,6301)	2:26:A:LYS:HD3	2:27:A:PHE:HE2	10	0.8	0.51	0.67
(1,6301)	2:26:B:LYS:HD2	2:27:B:PHE:HE2	10	0.8	0.51	0.67
(1,6301)	2:26:B:LYS:HD3	2:27:B:PHE:HE2	10	0.8	0.51	0.67
(1,6453)	2:12:A:MET:HE3	2:76:A:CYS:HB2	10	0.74	0.06	0.74
(1,6453)	2:12:A:MET:HE2	2:76:A:CYS:HB2	10	0.74	0.06	0.74
(1,6440)	2:12:B:MET:HE1	2:9:B:LEU:HA	10	0.61	0.05	0.6
(1,6354)	2:22:B:LYS:HD2	2:19:B:TYR:HD1	10	0.47	0.2	0.52
(1,6354)	2:22:A:LYS:HD2	2:19:A:TYR:HD2	10	0.47	0.2	0.52
(1,6354)	2:22:B:LYS:HD2	2:19:B:TYR:HD2	10	0.47	0.2	0.52
(1,6138)	2:37:A:LEU:HD11	2:34:A:LEU:HD21	10	0.46	0.12	0.41
(1,6138)	2:37:A:LEU:HD13	2:29:A:LEU:HD12	10	0.46	0.12	0.41
(1,6138)	2:37:A:LEU:HD11	2:29:A:LEU:HD12	10	0.46	0.12	0.41
(1,6138)	2:37:A:LEU:HD12	2:34:A:LEU:HD21	10	0.46	0.12	0.41
(1,6138)	2:37:A:LEU:HD12	2:29:A:LEU:HD11	10	0.46	0.12	0.41
(1,6138)	2:37:A:LEU:HD12	2:29:A:LEU:HD12	10	0.46	0.12	0.41
(1,6138)	2:37:A:LEU:HD13	2:34:A:LEU:HD21	10	0.46	0.12	0.41
(1,5899)	2:29:B:LEU:HD21	2:19:B:TYR:HB3	10	0.41	0.23	0.38
(1,5899)	2:29:A:LEU:HD21	2:19:A:TYR:HB3	10	0.41	0.23	0.38
(1,5899)	2:29:B:LEU:HD23	2:19:B:TYR:HB3	10	0.41	0.23	0.38
(1,5899)	2:29:B:LEU:HD22	2:19:B:TYR:HB3	10	0.41	0.23	0.38
(1,1159)	2:58:A:LEU:HD22	2:62:A:LEU:HD22	10	0.4	0.22	0.34
(1,1159)	2:58:A:LEU:HD21	2:62:A:LEU:HD21	10	0.4	0.22	0.34
(1,1159)	2:58:A:LEU:HD22	2:62:A:LEU:HD21	10	0.4	0.22	0.34
(1,1159)	2:58:A:LEU:HD21	2:62:A:LEU:HD23	10	0.4	0.22	0.34
(1,2756)	2:28:A:LYS:H	2:28:A:LYS:HD3	10	0.39	0.09	0.39
(1,2756)	2:28:A:LYS:H	2:28:A:LYS:HG2	10	0.39	0.09	0.39
(1,3716)	2:89:B:PHE:H	2:101:B:LYS:HG2	10	0.33	0.16	0.31
(1,3716)	2:89:B:PHE:H	2:101:B:LYS:HG3	10	0.33	0.16	0.31
(1,5806)	2:79:A:LEU:HD22	2:12:A:MET:HG3	10	0.32	0.1	0.35
(1,5806)	2:79:A:LEU:HD21	2:12:A:MET:HG3	10	0.32	0.1	0.35
(1,2390)	2:9:B:LEU:HD11	2:12:B:MET:HG3	10	0.29	0.07	0.29
(1,2390)	2:9:B:LEU:HD13	2:12:B:MET:HG3	10	0.29	0.07	0.29
(1,2390)	2:9:B:LEU:HD12	2:12:B:MET:HG3	10	0.29	0.07	0.29
(1,4191)	2:50:B:THR:HA	1:1928:C:PHE:HD2	10	0.28	0.11	0.26
(1,490)	2:79:B:LEU:HD11	2:83:A:ALA:H	10	0.28	0.15	0.21
(1,490)	2:79:B:LEU:HD13	2:83:A:ALA:H	10	0.28	0.15	0.21
(1,490)	2:79:B:LEU:HD12	2:83:A:ALA:H	10	0.28	0.15	0.21
(1,5764)	2:83:A:ALA:HB2	2:72:B:PHE:HE1	10	0.28	0.13	0.24
(1,5764)	2:83:A:ALA:HB3	2:72:B:PHE:HE1	10	0.28	0.13	0.24
(1,5764)	2:83:A:ALA:HB1	2:72:B:PHE:HE1	10	0.28	0.13	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5764)	2:83:B:ALA:HB2	2:72:A:PHE:HE2	10	0.28	0.13	0.24
(1,904)	2:62:A:LEU:HD12	2:58:A:LEU:HA	10	0.27	0.06	0.28
(1,904)	2:62:A:LEU:HD11	2:58:A:LEU:HA	10	0.27	0.06	0.28
(1,904)	2:62:A:LEU:HD13	2:58:A:LEU:HA	10	0.27	0.06	0.28
(1,4882)	1:1920:C:LYS:H	1:1918:C:LYS:HB3	10	0.27	0.08	0.28
(1,4882)	1:1920:C:LYS:H	1:1923:C:ARG:HB3	10	0.27	0.08	0.28
(1,1075)	2:59:B:MET:HE3	2:29:B:LEU:HB3	10	0.26	0.11	0.26
(1,1075)	2:59:B:MET:HE1	2:29:B:LEU:HB3	10	0.26	0.11	0.26
(1,2514)	2:5:B:LEU:HD23	2:8:B:ALA:HB1	10	0.25	0.07	0.23
(1,2514)	2:5:B:LEU:HD23	2:8:B:ALA:HB2	10	0.25	0.07	0.23
(1,2514)	2:5:B:LEU:HD21	2:8:B:ALA:HB1	10	0.25	0.07	0.23
(1,2514)	2:5:B:LEU:HD21	2:8:B:ALA:HB3	10	0.25	0.07	0.23
(1,5081)	1:1899:C:GLU:H	2:45:A:PHE:HB3	10	0.24	0.11	0.18
(1,934)	2:62:B:LEU:HD12	2:61:B:ASN:HB3	10	0.24	0.08	0.22
(1,1655)	2:39:A:THR:HG22	2:35:A:LYS:HE3	10	0.24	0.12	0.2
(1,1655)	2:39:A:THR:HG21	2:35:A:LYS:HE3	10	0.24	0.12	0.2
(1,1655)	2:39:A:THR:HG23	2:35:A:LYS:HE3	10	0.24	0.12	0.2
(1,6621)	2:2:A:ALA:HB2	2:4:A:PRO:HG3	10	0.22	0.07	0.26
(1,6621)	2:2:A:ALA:HB3	2:4:A:PRO:HG3	10	0.22	0.07	0.26
(1,6621)	2:2:A:ALA:HB1	2:4:A:PRO:HG3	10	0.22	0.07	0.26
(1,6621)	2:2:B:ALA:HB3	2:4:B:PRO:HG3	10	0.22	0.07	0.26
(1,6621)	2:2:B:ALA:HB2	2:4:B:PRO:HG3	10	0.22	0.07	0.26
(1,6621)	2:2:A:ALA:HB1	2:6:A:GLU:HB3	10	0.22	0.07	0.26
(1,2224)	2:13:B:VAL:HG12	2:10:B:ASP:HA	10	0.22	0.08	0.22
(1,2224)	2:13:B:VAL:HG11	2:10:B:ASP:HA	10	0.22	0.08	0.22
(1,2377)	2:9:B:LEU:HD12	2:82:A:ILE:HG22	10	0.22	0.08	0.22
(1,2377)	2:9:B:LEU:HD11	2:82:A:ILE:HG23	10	0.22	0.08	0.22
(1,2377)	2:9:B:LEU:HD11	2:82:A:ILE:HG22	10	0.22	0.08	0.22
(1,2377)	2:9:B:LEU:HD13	2:82:A:ILE:HG22	10	0.22	0.08	0.22
(1,1036)	2:59:A:MET:HE2	2:59:A:MET:HA	10	0.21	0.09	0.16
(1,1036)	2:59:A:MET:HE1	2:59:A:MET:HA	10	0.21	0.09	0.16
(1,1036)	2:59:A:MET:HE3	2:59:A:MET:HA	10	0.21	0.09	0.16
(1,2307)	2:12:A:MET:HE3	2:12:A:MET:HG2	10	0.19	0.07	0.18
(1,2307)	2:12:A:MET:HE1	2:12:A:MET:HG2	10	0.19	0.07	0.18
(1,5934)	2:55:B:PHE:HA	2:56:B:GLN:HG2	10	0.18	0.06	0.18
(1,1326)	2:53:B:ALA:HA	2:56:B:GLN:HB3	10	0.16	0.03	0.16
(1,6488)	2:11:B:VAL:HG13	2:8:B:ALA:H	10	0.15	0.05	0.15
(1,6488)	2:11:B:VAL:HG11	2:8:B:ALA:H	10	0.15	0.05	0.15
(1,6488)	2:11:B:VAL:HG12	2:8:B:ALA:H	10	0.15	0.05	0.15
(1,6488)	2:11:A:VAL:HG12	2:8:B:ALA:H	10	0.15	0.05	0.15
(1,5021)	1:1907:C:ALA:H	2:61:A:ASN:HA	10	0.15	0.03	0.16
(1,6024)	2:46:B:LEU:HD12	2:39:B:THR:H	10	0.13	0.02	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,6626)	2:2:B:ALA:HB2	2:7:B:LYS:HE2	9	0.99	0.14	1.0
(1,6626)	2:2:B:ALA:HB1	2:7:B:LYS:HE2	9	0.99	0.14	1.0
(1,6626)	2:2:B:ALA:HB2	2:7:B:LYS:HE3	9	0.99	0.14	1.0
(1,6626)	2:2:B:ALA:HB3	2:7:B:LYS:HE3	9	0.99	0.14	1.0
(1,6626)	2:2:B:ALA:HB1	2:7:B:LYS:HE3	9	0.99	0.14	1.0
(1,6626)	2:2:A:ALA:HB1	2:7:A:LYS:HE3	9	0.99	0.14	1.0
(1,6626)	2:2:A:ALA:HB3	2:7:A:LYS:HE3	9	0.99	0.14	1.0
(1,5826)	2:77:A:VAL:HG11	2:76:A:CYS:HG	9	0.92	0.13	0.91
(1,5826)	2:77:A:VAL:HG13	2:81:A:CYS:HB2	9	0.92	0.13	0.91
(1,5826)	2:77:A:VAL:HG12	2:81:A:CYS:HB2	9	0.92	0.13	0.91
(1,6147)	2:37:A:LEU:HD22	2:15:A:THR:HG23	9	0.59	0.23	0.63
(1,6147)	2:37:A:LEU:HD23	2:15:A:THR:HG23	9	0.59	0.23	0.63
(1,6147)	2:37:B:LEU:HD21	2:15:B:THR:HG22	9	0.59	0.23	0.63
(1,6147)	2:37:B:LEU:HD21	2:15:B:THR:HG21	9	0.59	0.23	0.63
(1,1361)	2:52:B:GLU:HG2	2:51:B:ASP:HB2	9	0.57	0.19	0.6
(1,1361)	2:52:B:GLU:HG3	2:51:B:ASP:HB2	9	0.57	0.19	0.6
(1,6717)	2:23:B:GLU:H	2:23:B:GLU:HG2	9	0.48	0.2	0.51
(1,6717)	2:23:A:GLU:H	2:23:A:GLU:HG2	9	0.48	0.2	0.51
(1,5080)	1:1899:C:GLU:H	1:1898:C:ARG:HD3	9	0.47	0.11	0.49
(1,5080)	1:1899:C:GLU:H	1:1898:C:ARG:HD2	9	0.47	0.11	0.49
(1,5897)	2:62:A:LEU:HD21	2:59:A:MET:HE3	9	0.45	0.16	0.48
(1,5897)	2:62:A:LEU:HD23	2:59:A:MET:HE2	9	0.45	0.16	0.48
(1,5897)	2:62:A:LEU:HD22	2:59:A:MET:HE1	9	0.45	0.16	0.48
(1,5897)	2:62:A:LEU:HD21	2:59:A:MET:HE1	9	0.45	0.16	0.48
(1,5897)	2:62:A:LEU:HD23	2:59:A:MET:HE3	9	0.45	0.16	0.48
(1,5897)	2:62:A:LEU:HD22	2:59:A:MET:HE3	9	0.45	0.16	0.48
(1,253)	2:84:B:MET:HE3	2:73:A:GLN:HE22	9	0.45	0.12	0.48
(1,253)	2:84:B:MET:HE2	2:73:A:GLN:HE22	9	0.45	0.12	0.48
(1,1322)	2:53:A:ALA:HB3	2:56:A:GLN:HE22	9	0.43	0.22	0.37
(1,1322)	2:53:A:ALA:HB1	2:56:A:GLN:HE22	9	0.43	0.22	0.37
(1,1322)	2:53:A:ALA:HB2	2:56:A:GLN:HE22	9	0.43	0.22	0.37
(1,1821)	2:36:B:GLU:HG3	2:40:B:ARG:HD3	9	0.41	0.09	0.39
(1,3874)	2:45:A:PHE:HD1	2:85:A:MET:HE1	9	0.39	0.08	0.39
(1,3874)	2:45:A:PHE:HD2	2:85:A:MET:HE1	9	0.39	0.08	0.39
(1,6161)	2:36:A:GLU:HG2	2:19:A:TYR:HE1	9	0.34	0.05	0.32
(1,6197)	2:33:A:GLU:HA	2:36:A:GLU:HB3	9	0.34	0.12	0.35
(1,6197)	2:33:A:GLU:HA	2:36:A:GLU:HB2	9	0.34	0.12	0.35
(1,1283)	2:54:A:ALA:HB2	1:1897:C:GLN:HE22	9	0.33	0.24	0.23
(1,1283)	2:54:A:ALA:HB1	1:1897:C:GLN:HE22	9	0.33	0.24	0.23
(1,1283)	2:54:A:ALA:HB3	1:1897:C:GLN:HE22	9	0.33	0.24	0.23
(1,6790)	2:41:A:GLU:H	2:19:A:TYR:HE1	9	0.32	0.18	0.21
(1,6790)	2:41:A:GLU:H	2:19:A:TYR:HE2	9	0.32	0.18	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5891)	2:64:B:SER:HB2	2:65:B:ASN:HB3	9	0.31	0.15	0.24
(1,5891)	2:64:B:SER:HB2	2:63:B:ASP:HB2	9	0.31	0.15	0.24
(1,6022)	2:46:B:LEU:HD23	1:1928:C:PHE:HD1	9	0.28	0.08	0.31
(1,6022)	2:46:B:LEU:HD22	1:1928:C:PHE:HD1	9	0.28	0.08	0.31
(1,6022)	2:46:B:LEU:HD21	1:1928:C:PHE:HD2	9	0.28	0.08	0.31
(1,805)	2:68:A:ASN:HB3	2:68:A:ASN:HD21	9	0.27	0.02	0.27
(1,5075)	1:1900:C:LEU:H	1:1897:C:GLN:HG3	9	0.26	0.08	0.31
(1,5075)	1:1900:C:LEU:H	1:1897:C:GLN:HG2	9	0.26	0.08	0.31
(1,5684)	1:1900:C:LEU:HD21	2:82:A:ILE:HD12	9	0.26	0.08	0.22
(1,5684)	1:1900:C:LEU:HD22	2:82:A:ILE:HD12	9	0.26	0.08	0.22
(1,5684)	1:1900:C:LEU:HD23	2:82:A:ILE:HD12	9	0.26	0.08	0.22
(1,5684)	1:1900:C:LEU:HD21	2:82:A:ILE:HD11	9	0.26	0.08	0.22
(1,5684)	1:1900:C:LEU:HD22	2:82:A:ILE:HD11	9	0.26	0.08	0.22
(1,5684)	1:1900:C:LEU:HD23	2:82:A:ILE:HD11	9	0.26	0.08	0.22
(1,5684)	1:1900:C:LEU:HD21	2:82:A:ILE:HD13	9	0.26	0.08	0.22
(1,5684)	1:1900:C:LEU:HD22	2:82:A:ILE:HD13	9	0.26	0.08	0.22
(1,5684)	1:1900:C:LEU:HD23	2:82:A:ILE:HD13	9	0.26	0.08	0.22
(1,6644)	2:4:B:PRO:HG2	2:11:A:VAL:HG22	9	0.26	0.09	0.23
(1,6644)	2:4:A:PRO:HG2	2:11:B:VAL:HG21	9	0.26	0.09	0.23
(1,610)	2:77:B:VAL:HG11	2:73:B:GLN:HG2	9	0.25	0.05	0.24
(1,610)	2:77:B:VAL:HG13	2:73:B:GLN:HG2	9	0.25	0.05	0.24
(1,610)	2:77:B:VAL:HG12	2:73:B:GLN:HG2	9	0.25	0.05	0.24
(1,2299)	2:12:A:MET:HG3	2:5:B:LEU:HD23	9	0.25	0.1	0.27
(1,2299)	2:12:A:MET:HG3	2:5:B:LEU:HD21	9	0.25	0.1	0.27
(1,6424)	2:13:B:VAL:HG21	2:87:A:ASN:HA	9	0.23	0.07	0.24
(1,6424)	2:13:B:VAL:HG23	2:87:A:ASN:HA	9	0.23	0.07	0.24
(1,6424)	2:13:B:VAL:HG22	2:87:A:ASN:HA	9	0.23	0.07	0.24
(1,3814)	2:95:B:ASP:H	2:94:B:PRO:HA	9	0.16	0.03	0.16
(1,6992)	2:27:B:PHE:HE2	2:26:B:LYS:HE2	8	0.85	0.44	0.83
(1,6992)	2:27:A:PHE:HE2	2:26:A:LYS:HE2	8	0.85	0.44	0.83
(1,6992)	2:27:A:PHE:HE2	2:26:A:LYS:HE3	8	0.85	0.44	0.83
(1,6286)	2:26:A:LYS:HB3	2:27:A:PHE:HD2	8	0.72	0.31	0.78
(1,6286)	2:26:B:LYS:HB3	2:27:B:PHE:HD2	8	0.72	0.31	0.78
(1,6331)	2:23:B:GLU:HG2	2:30:B:ASN:HD21	8	0.59	0.15	0.64
(1,6331)	2:23:A:GLU:HG2	2:30:A:ASN:HD21	8	0.59	0.15	0.64
(1,3991)	2:58:B:LEU:HD12	1:1917:C:LEU:HD21	8	0.51	0.2	0.48
(1,3991)	2:58:B:LEU:HD12	1:1917:C:LEU:HD22	8	0.51	0.2	0.48
(1,3991)	2:58:B:LEU:HD12	1:1917:C:LEU:HD23	8	0.51	0.2	0.48
(1,3991)	2:58:B:LEU:HD11	1:1917:C:LEU:HD21	8	0.51	0.2	0.48
(1,3991)	2:58:B:LEU:HD11	1:1917:C:LEU:HD22	8	0.51	0.2	0.48
(1,3991)	2:58:B:LEU:HD11	1:1917:C:LEU:HD23	8	0.51	0.2	0.48
(1,3991)	2:58:B:LEU:HD13	1:1917:C:LEU:HD21	8	0.51	0.2	0.48

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3991)	2:58:B:LEU:HD13	1:1917:C:LEU:HD22	8	0.51	0.2	0.48
(1,3991)	2:58:B:LEU:HD13	1:1917:C:LEU:HD23	8	0.51	0.2	0.48
(1,3923)	2:58:A:LEU:HD23	1:1903:C:ALA:HB1	8	0.49	0.18	0.44
(1,3923)	2:58:A:LEU:HD23	1:1903:C:ALA:HB2	8	0.49	0.18	0.44
(1,3923)	2:58:A:LEU:HD23	1:1903:C:ALA:HB3	8	0.49	0.18	0.44
(1,3923)	2:58:A:LEU:HD22	1:1903:C:ALA:HB1	8	0.49	0.18	0.44
(1,3923)	2:58:A:LEU:HD22	1:1903:C:ALA:HB2	8	0.49	0.18	0.44
(1,3923)	2:58:A:LEU:HD22	1:1903:C:ALA:HB3	8	0.49	0.18	0.44
(1,5943)	2:59:A:MET:HE3	2:58:A:LEU:HG	8	0.44	0.2	0.41
(1,5943)	2:59:A:MET:HE2	2:58:A:LEU:HG	8	0.44	0.2	0.41
(1,5943)	2:59:A:MET:HE1	2:34:A:LEU:HB3	8	0.44	0.2	0.41
(1,4161)	2:54:A:ALA:HB3	1:1900:C:LEU:HG	8	0.42	0.1	0.44
(1,4161)	2:54:A:ALA:HB1	1:1900:C:LEU:HG	8	0.42	0.1	0.44
(1,4161)	2:54:A:ALA:HB2	1:1900:C:LEU:HG	8	0.42	0.1	0.44
(1,3750)	2:93:B:PHE:H	2:101:B:LYS:HG2	8	0.4	0.23	0.31
(1,3750)	2:93:B:PHE:H	2:101:B:LYS:HG3	8	0.4	0.23	0.31
(1,6771)	2:28:A:LYS:H	2:17:A:HIS:HA	8	0.38	0.23	0.26
(1,5865)	2:73:A:GLN:HA	1:1914:C:VAL:HG23	8	0.37	0.18	0.46
(1,5865)	2:73:A:GLN:HA	1:1914:C:VAL:HG21	8	0.37	0.18	0.46
(1,5865)	2:73:A:GLN:HA	1:1914:C:VAL:HG22	8	0.37	0.18	0.46
(1,6828)	2:75:A:TYR:H	2:29:A:LEU:HD13	8	0.34	0.13	0.35
(1,6828)	2:75:A:TYR:H	2:29:A:LEU:HD11	8	0.34	0.13	0.35
(1,6828)	2:75:A:TYR:H	2:29:A:LEU:HD12	8	0.34	0.13	0.35
(1,6291)	2:26:B:LYS:HG2	2:21:B:GLY:HA2	8	0.34	0.18	0.26
(1,6291)	2:26:A:LYS:HG2	2:21:A:GLY:HA2	8	0.34	0.18	0.26
(1,2215)	2:13:A:VAL:HG13	2:86:B:CYS:H	8	0.32	0.15	0.39
(1,2215)	2:13:A:VAL:HG12	2:86:B:CYS:H	8	0.32	0.15	0.39
(1,5981)	2:56:B:GLN:HG2	2:57:B:LYS:HD3	8	0.32	0.11	0.3
(1,5981)	2:56:B:GLN:HG2	2:31:B:LYS:HD2	8	0.32	0.11	0.3
(1,5981)	2:56:B:GLN:HG3	2:57:B:LYS:HD3	8	0.32	0.11	0.3
(1,1385)	2:50:B:THR:HG22	1:1928:C:PHE:HD1	8	0.3	0.15	0.29
(1,1385)	2:50:B:THR:HG22	1:1928:C:PHE:HD2	8	0.3	0.15	0.29
(1,1385)	2:50:B:THR:HG21	1:1928:C:PHE:HD1	8	0.3	0.15	0.29
(1,1385)	2:50:B:THR:HG21	1:1928:C:PHE:HD2	8	0.3	0.15	0.29
(1,1385)	2:50:B:THR:HG23	1:1928:C:PHE:HD1	8	0.3	0.15	0.29
(1,1385)	2:50:B:THR:HG23	1:1928:C:PHE:HD2	8	0.3	0.15	0.29
(1,6777)	2:34:A:LEU:H	2:59:A:MET:HE3	8	0.3	0.13	0.25
(1,6777)	2:34:A:LEU:H	2:59:A:MET:HE1	8	0.3	0.13	0.25
(1,6777)	2:34:A:LEU:H	2:59:A:MET:HE2	8	0.3	0.13	0.25
(1,4390)	1:1928:C:PHE:HZ	1:1929:C:VAL:HG11	8	0.27	0.31	0.16
(1,4390)	1:1928:C:PHE:HZ	1:1929:C:VAL:HG12	8	0.27	0.31	0.16
(1,4390)	1:1928:C:PHE:HZ	1:1929:C:VAL:HG13	8	0.27	0.31	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,6093)	2:38:A:LEU:HD22	2:58:A:LEU:HG	8	0.26	0.08	0.24
(1,6093)	2:38:A:LEU:HD21	2:34:A:LEU:HB3	8	0.26	0.08	0.24
(1,6093)	2:38:A:LEU:HD21	2:58:A:LEU:HG	8	0.26	0.08	0.24
(1,6093)	2:38:A:LEU:HD23	2:58:A:LEU:HG	8	0.26	0.08	0.24
(1,1792)	2:36:A:GLU:HB3	2:33:A:GLU:HA	8	0.26	0.1	0.26
(1,1792)	2:36:A:GLU:HB2	2:33:A:GLU:HA	8	0.26	0.1	0.26
(1,6136)	2:37:B:LEU:HD13	2:36:B:GLU:HB2	8	0.25	0.13	0.2
(1,6136)	2:37:B:LEU:HD13	2:36:B:GLU:HB3	8	0.25	0.13	0.2
(1,6136)	2:37:B:LEU:HD11	2:36:B:GLU:HB3	8	0.25	0.13	0.2
(1,6136)	2:37:A:LEU:HD12	2:36:A:GLU:HB2	8	0.25	0.13	0.2
(1,6136)	2:37:A:LEU:HD11	2:36:A:GLU:HB3	8	0.25	0.13	0.2
(1,6136)	2:37:B:LEU:HD12	2:36:B:GLU:HB2	8	0.25	0.13	0.2
(1,6136)	2:37:B:LEU:HD12	2:36:B:GLU:HB3	8	0.25	0.13	0.2
(1,7018)	2:19:B:TYR:HE2	2:36:B:GLU:HG3	8	0.25	0.11	0.26
(1,7018)	2:19:A:TYR:HE2	2:41:A:GLU:HB2	8	0.25	0.11	0.26
(1,6975)	2:78:B:PHE:HD1	1:1921:C:LEU:HD13	8	0.24	0.13	0.2
(1,6975)	2:78:B:PHE:HD2	1:1921:C:LEU:HD11	8	0.24	0.13	0.2
(1,6975)	2:78:B:PHE:HD2	1:1921:C:LEU:HD12	8	0.24	0.13	0.2
(1,6975)	2:78:B:PHE:HD2	1:1921:C:LEU:HD13	8	0.24	0.13	0.2
(1,5053)	1:1904:C:THR:H	1:1902:C:ASP:HB3	8	0.24	0.12	0.2
(1,6023)	2:46:B:LEU:HD12	2:45:B:PHE:H	8	0.21	0.06	0.22
(1,6023)	2:46:B:LEU:HD13	2:45:B:PHE:H	8	0.21	0.06	0.22
(1,6589)	2:5:B:LEU:HD21	2:11:A:VAL:HB	8	0.21	0.08	0.2
(1,6589)	2:5:B:LEU:HD23	2:11:A:VAL:HB	8	0.21	0.08	0.2
(1,6145)	2:37:B:LEU:HD23	2:38:B:LEU:HD12	8	0.2	0.05	0.22
(1,6145)	2:37:B:LEU:HD22	2:5:A:LEU:HD22	8	0.2	0.05	0.22
(1,6145)	2:37:B:LEU:HD23	2:5:A:LEU:HD11	8	0.2	0.05	0.22
(1,6145)	2:37:B:LEU:HD22	2:5:A:LEU:HD11	8	0.2	0.05	0.22
(1,6145)	2:37:B:LEU:HD23	2:5:A:LEU:HD23	8	0.2	0.05	0.22
(1,6145)	2:37:B:LEU:HD21	2:5:A:LEU:HD22	8	0.2	0.05	0.22
(1,6145)	2:37:B:LEU:HD22	2:5:A:LEU:HD12	8	0.2	0.05	0.22
(1,6542)	2:8:A:ALA:HB1	2:4:A:PRO:HB2	8	0.2	0.09	0.18
(1,6542)	2:8:A:ALA:HB2	2:4:A:PRO:HB2	8	0.2	0.09	0.18
(1,6542)	2:8:A:ALA:HB3	2:12:A:MET:HB2	8	0.2	0.09	0.18
(1,6542)	2:8:B:ALA:HB1	2:12:A:MET:HB2	8	0.2	0.09	0.18
(1,6542)	2:8:A:ALA:HB2	2:12:A:MET:HB2	8	0.2	0.09	0.18
(1,6542)	2:8:B:ALA:HB3	2:12:A:MET:HB2	8	0.2	0.09	0.18
(1,1078)	2:59:B:MET:HE2	2:59:B:MET:HB2	8	0.2	0.04	0.21
(1,1078)	2:59:B:MET:HE1	2:59:B:MET:HB2	8	0.2	0.04	0.21
(1,251)	2:84:B:MET:HE2	2:81:B:CYS:HA	8	0.19	0.06	0.18
(1,251)	2:84:B:MET:HE1	2:81:B:CYS:HA	8	0.19	0.06	0.18
(1,942)	2:62:B:LEU:HD23	2:74:B:GLU:HG3	8	0.19	0.07	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,942)	2:62:B:LEU:HD21	2:74:B:GLU:HG3	8	0.19	0.07	0.18
(1,942)	2:62:B:LEU:HD22	2:74:B:GLU:HG3	8	0.19	0.07	0.18
(1,6551)	2:8:B:ALA:HB1	2:5:B:LEU:HD23	8	0.17	0.06	0.15
(1,6551)	2:8:B:ALA:HB2	2:5:B:LEU:HD23	8	0.17	0.06	0.15
(1,6551)	2:8:B:ALA:HB1	2:5:B:LEU:HD21	8	0.17	0.06	0.15
(1,6551)	2:8:B:ALA:HB3	2:5:B:LEU:HD21	8	0.17	0.06	0.15
(1,5777)	2:83:B:ALA:HB3	2:13:A:VAL:HG12	8	0.17	0.04	0.16
(1,5777)	2:83:B:ALA:HB3	2:13:A:VAL:HG11	8	0.17	0.04	0.16
(1,5777)	2:83:A:ALA:HB2	2:13:B:VAL:HG12	8	0.17	0.04	0.16
(1,5162)	1:1930:C:VAL:HG21	2:90:B:PHE:HB3	8	0.14	0.03	0.14
(1,5162)	1:1930:C:VAL:HG22	2:90:B:PHE:HB3	8	0.14	0.03	0.14
(1,5162)	1:1930:C:VAL:HG23	2:90:B:PHE:HB3	8	0.14	0.03	0.14
(1,5809)	2:79:A:LEU:HD11	2:13:A:VAL:H	8	0.14	0.03	0.13
(1,5809)	2:79:A:LEU:HD13	2:13:A:VAL:H	8	0.14	0.03	0.13
(1,5809)	2:79:A:LEU:HD12	2:13:A:VAL:H	8	0.14	0.03	0.13
(1,5089)	1:1898:C:ARG:H	1:1898:C:ARG:HB3	8	0.13	0.02	0.12
(1,6651)	2:101:B:LYS:H	2:101:B:LYS:HA	8	0.12	0.01	0.12
(1,6651)	2:101:A:LYS:H	2:101:A:LYS:HA	8	0.12	0.01	0.12
(1,5364)	1:1917:C:LEU:HD21	1:1920:C:LYS:HG3	7	1.19	0.53	1.49
(1,5364)	1:1917:C:LEU:HD22	1:1920:C:LYS:HG3	7	1.19	0.53	1.49
(1,5364)	1:1917:C:LEU:HD23	1:1920:C:LYS:HG3	7	1.19	0.53	1.49
(1,6667)	2:26:A:LYS:H	2:27:A:PHE:HD2	7	1.06	0.2	1.06
(1,6667)	2:26:B:LYS:H	2:27:B:PHE:HD2	7	1.06	0.2	1.06
(1,6482)	2:11:A:VAL:HG11	2:7:A:LYS:HE2	7	0.93	0.35	0.96
(1,6482)	2:11:B:VAL:HG11	2:7:B:LYS:HE3	7	0.93	0.35	0.96
(1,6482)	2:11:B:VAL:HG13	2:7:B:LYS:HE3	7	0.93	0.35	0.96
(1,6991)	2:27:A:PHE:HD2	2:27:A:PHE:H	7	0.66	0.13	0.65
(1,6991)	2:27:A:PHE:HD1	2:27:A:PHE:H	7	0.66	0.13	0.65
(1,6302)	2:26:A:LYS:HD3	2:25:A:ASP:HA	7	0.64	0.23	0.74
(1,6302)	2:26:B:LYS:HD3	2:25:B:ASP:HA	7	0.64	0.23	0.74
(1,4690)	1:1914:C:VAL:HG22	1:1915:C:SER:HB2	7	0.63	0.14	0.62
(1,4690)	1:1914:C:VAL:HG21	1:1915:C:SER:HB2	7	0.63	0.14	0.62
(1,4690)	1:1914:C:VAL:HG23	1:1915:C:SER:HB2	7	0.63	0.14	0.62
(1,1290)	2:54:A:ALA:HB3	1:1897:C:GLN:HG2	7	0.51	0.17	0.49
(1,1290)	2:54:A:ALA:HB2	1:1897:C:GLN:HG2	7	0.51	0.17	0.49
(1,1290)	2:54:A:ALA:HB1	1:1897:C:GLN:HG2	7	0.51	0.17	0.49
(1,5984)	2:54:A:ALA:HB1	1:1898:C:ARG:HB2	7	0.5	0.21	0.56
(1,5984)	2:54:B:ALA:HB3	2:57:B:LYS:HB2	7	0.5	0.21	0.56
(1,5984)	2:54:A:ALA:HB3	1:1898:C:ARG:HB2	7	0.5	0.21	0.56
(1,5984)	2:54:A:ALA:HB2	1:1898:C:ARG:HB2	7	0.5	0.21	0.56
(1,5400)	1:1914:C:VAL:HG23	2:76:A:CYS:HB3	7	0.46	0.16	0.54
(1,5400)	1:1914:C:VAL:HG22	2:81:B:CYS:HB3	7	0.46	0.16	0.54

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5400)	1:1914:C:VAL:HG22	1:1913:C:GLU:HG3	7	0.46	0.16	0.54
(1,5400)	1:1914:C:VAL:HG23	2:81:B:CYS:HB3	7	0.46	0.16	0.54
(1,4163)	2:54:A:ALA:HB1	1:1897:C:GLN:HA	7	0.44	0.15	0.43
(1,4163)	2:54:A:ALA:HB2	1:1897:C:GLN:HA	7	0.44	0.15	0.43
(1,4163)	2:54:A:ALA:HB3	1:1897:C:GLN:HA	7	0.44	0.15	0.43
(1,2180)	2:15:B:THR:HG23	2:37:B:LEU:HD22	7	0.4	0.17	0.36
(1,2180)	2:15:B:THR:HG23	2:37:B:LEU:HD23	7	0.4	0.17	0.36
(1,2180)	2:15:B:THR:HG22	2:37:B:LEU:HD21	7	0.4	0.17	0.36
(1,6713)	2:23:A:GLU:H	2:23:A:GLU:HG3	7	0.38	0.07	0.39
(1,6713)	2:23:B:GLU:H	2:23:B:GLU:HG3	7	0.38	0.07	0.39
(1,2743)	2:27:A:PHE:H	2:27:A:PHE:HD1	7	0.38	0.06	0.4
(1,2743)	2:27:A:PHE:H	2:27:A:PHE:HD2	7	0.38	0.06	0.4
(1,2426)	2:9:A:LEU:HD12	2:45:B:PHE:HZ	7	0.36	0.13	0.39
(1,240)	2:84:B:MET:HE2	1:1918:C:LYS:HD2	7	0.31	0.3	0.18
(1,1790)	2:36:A:GLU:HB2	2:39:A:THR:HG22	7	0.28	0.09	0.27
(1,1790)	2:36:A:GLU:HB3	2:39:A:THR:HG22	7	0.28	0.09	0.27
(1,1790)	2:36:A:GLU:HB2	2:39:A:THR:HG21	7	0.28	0.09	0.27
(1,1790)	2:36:A:GLU:HB2	2:39:A:THR:HG23	7	0.28	0.09	0.27
(1,4011)	2:46:B:LEU:HD11	1:1928:C:PHE:HD1	7	0.27	0.05	0.3
(1,4011)	2:46:B:LEU:HD11	1:1928:C:PHE:HD2	7	0.27	0.05	0.3
(1,6193)	2:34:B:LEU:HD23	2:37:B:LEU:HA	7	0.25	0.05	0.25
(1,6193)	2:34:B:LEU:HD21	2:37:B:LEU:HA	7	0.25	0.05	0.25
(1,149)	2:85:A:MET:HE1	2:45:A:PHE:HA	7	0.24	0.07	0.28
(1,3745)	2:93:B:PHE:H	2:94:B:PRO:HA	7	0.23	0.08	0.2
(1,2258)	2:12:B:MET:HG3	2:5:A:LEU:HD23	7	0.23	0.11	0.22
(1,2258)	2:12:B:MET:HG3	2:5:A:LEU:HD21	7	0.23	0.11	0.22
(1,917)	2:29:A:LEU:HD23	2:20:A:SER:HA	7	0.23	0.09	0.21
(1,917)	2:29:A:LEU:HD22	2:20:A:SER:HA	7	0.23	0.09	0.21
(1,917)	2:29:A:LEU:HD21	2:20:A:SER:HA	7	0.23	0.09	0.21
(1,2509)	2:5:B:LEU:HD22	2:12:A:MET:HA	7	0.22	0.05	0.22
(1,2509)	2:5:B:LEU:HD23	2:12:A:MET:HA	7	0.22	0.05	0.22
(1,5525)	1:1909:C:ALA:HB1	1:1912:C:ARG:HB3	7	0.22	0.14	0.14
(1,5525)	1:1909:C:ALA:HB2	1:1912:C:ARG:HB3	7	0.22	0.14	0.14
(1,5525)	1:1909:C:ALA:HB3	1:1912:C:ARG:HB3	7	0.22	0.14	0.14
(1,3796)	2:27:B:PHE:H	2:27:B:PHE:HD1	7	0.22	0.06	0.23
(1,3796)	2:27:B:PHE:H	2:27:B:PHE:HD2	7	0.22	0.06	0.23
(1,993)	2:60:B:SER:HB2	2:62:B:LEU:H	7	0.22	0.12	0.21
(1,993)	2:60:B:SER:HB3	2:62:B:LEU:H	7	0.22	0.12	0.21
(1,1321)	2:53:A:ALA:HB3	2:55:A:PHE:HD1	7	0.21	0.12	0.15
(1,1321)	2:53:A:ALA:HB3	2:55:A:PHE:HD2	7	0.21	0.12	0.15
(1,1321)	2:53:A:ALA:HB1	2:55:A:PHE:HD1	7	0.21	0.12	0.15
(1,1321)	2:53:A:ALA:HB1	2:55:A:PHE:HD2	7	0.21	0.12	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1321)	2:53:A:ALA:HB2	2:55:A:PHE:HD1	7	0.21	0.12	0.15
(1,1321)	2:53:A:ALA:HB2	2:55:A:PHE:HD2	7	0.21	0.12	0.15
(1,6472)	2:11:A:VAL:HA	2:8:B:ALA:HB2	7	0.21	0.07	0.18
(1,6472)	2:11:A:VAL:HA	2:8:B:ALA:HB1	7	0.21	0.07	0.18
(1,6472)	2:11:A:VAL:HA	2:8:B:ALA:HB3	7	0.21	0.07	0.18
(1,4899)	1:1919:C:ASN:H	1:1922:C:ARG:HB3	7	0.2	0.11	0.13
(1,5887)	2:64:A:SER:HB2	1:1911:C:ASN:HD21	7	0.2	0.12	0.14
(1,5887)	2:64:A:SER:HB2	2:65:A:ASN:HD21	7	0.2	0.12	0.14
(1,359)	2:82:B:ILE:HD11	1:1928:C:PHE:HD1	7	0.19	0.06	0.19
(1,359)	2:82:B:ILE:HD11	1:1928:C:PHE:HD2	7	0.19	0.06	0.19
(1,518)	2:79:B:LEU:HD12	2:5:A:LEU:HD23	7	0.19	0.07	0.19
(1,518)	2:79:B:LEU:HD12	2:5:A:LEU:HD22	7	0.19	0.07	0.19
(1,518)	2:79:B:LEU:HD12	2:5:A:LEU:HD11	7	0.19	0.07	0.19
(1,518)	2:79:B:LEU:HD11	2:5:A:LEU:HD12	7	0.19	0.07	0.19
(1,85)	2:87:B:ASN:HA	2:72:A:PHE:HZ	7	0.17	0.04	0.17
(1,4038)	2:85:A:MET:HB2	1:1903:C:ALA:HB1	7	0.17	0.03	0.17
(1,4038)	2:85:A:MET:HB2	1:1903:C:ALA:HB2	7	0.17	0.03	0.17
(1,4038)	2:85:A:MET:HB2	1:1903:C:ALA:HB3	7	0.17	0.03	0.17
(1,6523)	2:9:A:LEU:HD11	2:11:A:VAL:H	7	0.17	0.06	0.16
(1,6523)	2:9:A:LEU:HD12	2:11:A:VAL:H	7	0.17	0.06	0.16
(1,6523)	2:9:A:LEU:HD13	2:11:A:VAL:H	7	0.17	0.06	0.16
(2,1)	2:91:B:GLU:HA	2:27:A:PHE:HD1	7	0.17	0.03	0.18
(2,1)	2:91:B:GLU:HA	2:27:A:PHE:HD2	7	0.17	0.03	0.18
(1,2552)	2:5:A:LEU:HD22	2:79:B:LEU:HD22	7	0.16	0.03	0.16
(1,2552)	2:5:A:LEU:HD23	2:79:B:LEU:HD22	7	0.16	0.03	0.16
(1,2278)	2:12:B:MET:HE1	2:12:B:MET:H	7	0.15	0.03	0.15
(1,5660)	1:1900:C:LEU:HD21	2:50:A:THR:HB	7	0.14	0.02	0.13
(1,5660)	1:1900:C:LEU:HD22	2:50:A:THR:HB	7	0.14	0.02	0.13
(1,5660)	1:1900:C:LEU:HD23	2:50:A:THR:HB	7	0.14	0.02	0.13
(1,703)	2:71:B:ASP:HA	2:75:B:TYR:HD1	7	0.14	0.04	0.11
(1,703)	2:71:B:ASP:HA	2:75:B:TYR:HD2	7	0.14	0.04	0.11
(1,4551)	1:1921:C:LEU:HD11	1:1918:C:LYS:HA	7	0.13	0.03	0.11
(1,4551)	1:1921:C:LEU:HD12	1:1918:C:LYS:HA	7	0.13	0.03	0.11
(1,4551)	1:1921:C:LEU:HD13	1:1918:C:LYS:HA	7	0.13	0.03	0.11
(1,5322)	1:1918:C:LYS:HB2	2:84:B:MET:HA	7	0.12	0.01	0.12
(1,1203)	2:58:B:LEU:HD22	2:78:B:PHE:HZ	7	0.11	0.01	0.11
(1,4571)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD21	6	1.27	0.33	1.4
(1,4571)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD22	6	1.27	0.33	1.4
(1,4571)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD23	6	1.27	0.33	1.4
(1,6501)	2:11:A:VAL:HG22	2:16:A:PHE:HB2	6	1.2	0.48	1.32
(1,6501)	2:11:A:VAL:HG23	2:16:A:PHE:HB2	6	1.2	0.48	1.32
(1,6501)	2:11:A:VAL:HG21	2:16:A:PHE:HB2	6	1.2	0.48	1.32

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,6501)	2:11:A:VAL:HG23	2:7:A:LYS:HE2	6	1.2	0.48	1.32
(1,3540)	2:61:B:ASN:H	1:1917:C:LEU:HD21	6	0.8	0.47	1.08
(1,3540)	2:61:B:ASN:H	1:1917:C:LEU:HD22	6	0.8	0.47	1.08
(1,3540)	2:61:B:ASN:H	1:1917:C:LEU:HD23	6	0.8	0.47	1.08
(1,2065)	2:26:B:LYS:HD3	2:28:B:LYS:H	6	0.78	0.3	0.86
(1,2065)	2:26:B:LYS:HD2	2:28:B:LYS:H	6	0.78	0.3	0.86
(1,5812)	2:79:B:LEU:HD13	2:75:B:TYR:HA	6	0.68	0.17	0.68
(1,6477)	2:11:A:VAL:HG13	2:7:A:LYS:HD2	6	0.68	0.31	0.72
(1,6477)	2:11:A:VAL:HG11	2:7:A:LYS:HD2	6	0.68	0.31	0.72
(1,6477)	2:11:A:VAL:HG12	2:7:A:LYS:HD2	6	0.68	0.31	0.72
(1,6477)	2:11:B:VAL:HG13	2:7:B:LYS:HD2	6	0.68	0.31	0.72
(1,6293)	2:26:B:LYS:HG2	2:27:B:PHE:HD2	6	0.59	0.25	0.66
(1,6293)	2:26:A:LYS:HG2	2:27:A:PHE:HD2	6	0.59	0.25	0.66
(1,4533)	1:1923:C:ARG:HB3	1:1920:C:LYS:HA	6	0.57	0.45	0.42
(1,1854)	2:35:A:LYS:HE2	2:32:A:SER:HA	6	0.55	0.17	0.63
(1,1854)	2:35:A:LYS:HE3	2:32:A:SER:HA	6	0.55	0.17	0.63
(1,6206)	2:32:B:SER:HB2	2:33:B:GLU:HG2	6	0.46	0.16	0.48
(1,6206)	2:32:A:SER:HB3	2:33:A:GLU:HG2	6	0.46	0.16	0.48
(1,6206)	2:32:A:SER:HB2	2:33:A:GLU:HG2	6	0.46	0.16	0.48
(1,5099)	1:1935:C:ALA:HB1	1:1933:C:ARG:HB3	6	0.42	0.16	0.38
(1,5099)	1:1935:C:ALA:HB2	1:1933:C:ARG:HB3	6	0.42	0.16	0.38
(1,5099)	1:1935:C:ALA:HB3	1:1933:C:ARG:HB3	6	0.42	0.16	0.38
(1,1707)	2:38:A:LEU:HD21	2:35:A:LYS:HA	6	0.42	0.14	0.42
(1,1707)	2:38:A:LEU:HD22	2:35:A:LYS:HA	6	0.42	0.14	0.42
(1,6130)	2:37:B:LEU:HD13	2:19:B:TYR:HE2	6	0.42	0.25	0.26
(1,6130)	2:37:A:LEU:HD12	2:19:A:TYR:HE1	6	0.42	0.25	0.26
(1,6130)	2:37:B:LEU:HD11	2:19:B:TYR:HE1	6	0.42	0.25	0.26
(1,6130)	2:37:B:LEU:HD12	2:19:B:TYR:HE2	6	0.42	0.25	0.26
(1,6130)	2:37:B:LEU:HD13	2:19:B:TYR:HE1	6	0.42	0.25	0.26
(1,6130)	2:37:B:LEU:HD11	2:19:B:TYR:HE2	6	0.42	0.25	0.26
(1,1853)	2:35:A:LYS:HE3	2:35:A:LYS:H	6	0.35	0.06	0.38
(1,5778)	2:83:A:ALA:HB3	2:12:B:MET:HE1	6	0.34	0.12	0.36
(1,5778)	2:83:B:ALA:HB2	2:12:A:MET:HE1	6	0.34	0.12	0.36
(1,5778)	2:83:A:ALA:HB1	2:12:B:MET:HE3	6	0.34	0.12	0.36
(1,5778)	2:83:A:ALA:HB1	2:12:B:MET:HE1	6	0.34	0.12	0.36
(1,6086)	2:38:A:LEU:HD23	2:55:A:PHE:HA	6	0.34	0.14	0.31
(1,6086)	2:38:A:LEU:HD22	2:55:A:PHE:HA	6	0.34	0.14	0.31
(1,6086)	2:38:A:LEU:HD21	2:55:A:PHE:HA	6	0.34	0.14	0.31
(1,6513)	2:9:B:LEU:HD22	2:6:B:GLU:HA	6	0.32	0.06	0.32
(1,6513)	2:9:B:LEU:HD21	2:6:B:GLU:HA	6	0.32	0.06	0.32
(1,6513)	2:9:B:LEU:HD23	2:6:B:GLU:HA	6	0.32	0.06	0.32
(1,4564)	1:1917:C:LEU:HD21	1:1917:C:LEU:HB3	6	0.3	0.04	0.31

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4564)	1:1917:C:LEU:HD22	1:1917:C:LEU:HB3	6	0.3	0.04	0.31
(1,4564)	1:1917:C:LEU:HD23	1:1917:C:LEU:HB3	6	0.3	0.04	0.31
(1,5918)	2:62:B:LEU:HD12	1:1921:C:LEU:HD23	6	0.28	0.16	0.2
(1,5918)	2:62:B:LEU:HD12	1:1921:C:LEU:HD21	6	0.28	0.16	0.2
(1,1567)	2:42:A:LEU:HD13	2:78:A:PHE:HE1	6	0.26	0.09	0.27
(1,1567)	2:42:A:LEU:HD13	2:78:A:PHE:HE2	6	0.26	0.09	0.27
(1,1567)	2:42:A:LEU:HD12	2:78:A:PHE:HE1	6	0.26	0.09	0.27
(1,1567)	2:42:A:LEU:HD12	2:78:A:PHE:HE2	6	0.26	0.09	0.27
(1,6096)	2:38:A:LEU:HD22	2:62:A:LEU:HD21	6	0.26	0.12	0.22
(1,6096)	2:38:A:LEU:HD21	2:62:A:LEU:HD22	6	0.26	0.12	0.22
(1,6096)	2:38:A:LEU:HD22	2:62:A:LEU:HD23	6	0.26	0.12	0.22
(1,6096)	2:38:A:LEU:HD22	2:62:A:LEU:HD22	6	0.26	0.12	0.22
(1,1459)	2:46:A:LEU:HD12	2:47:A:GLY:H	6	0.25	0.04	0.24
(1,1459)	2:46:A:LEU:HD13	2:47:A:GLY:H	6	0.25	0.04	0.24
(1,1459)	2:46:A:LEU:HD11	2:47:A:GLY:H	6	0.25	0.04	0.24
(1,4005)	2:58:B:LEU:HD23	1:1928:C:PHE:HB2	6	0.25	0.12	0.23
(1,1142)	2:58:A:LEU:HD12	1:1904:C:THR:HG21	6	0.25	0.06	0.24
(1,1142)	2:58:A:LEU:HD12	1:1904:C:THR:HG22	6	0.25	0.06	0.24
(1,1142)	2:58:A:LEU:HD12	1:1904:C:THR:HG23	6	0.25	0.06	0.24
(1,1142)	2:58:A:LEU:HD11	1:1904:C:THR:HG21	6	0.25	0.06	0.24
(1,1142)	2:58:A:LEU:HD11	1:1904:C:THR:HG22	6	0.25	0.06	0.24
(1,1142)	2:58:A:LEU:HD11	1:1904:C:THR:HG23	6	0.25	0.06	0.24
(1,1142)	2:58:A:LEU:HD13	1:1904:C:THR:HG21	6	0.25	0.06	0.24
(1,1142)	2:58:A:LEU:HD13	1:1904:C:THR:HG22	6	0.25	0.06	0.24
(1,1142)	2:58:A:LEU:HD13	1:1904:C:THR:HG23	6	0.25	0.06	0.24
(1,4599)	1:1917:C:LEU:HD21	1:1914:C:VAL:HA	6	0.25	0.08	0.24
(1,4599)	1:1917:C:LEU:HD22	1:1914:C:VAL:HA	6	0.25	0.08	0.24
(1,4599)	1:1917:C:LEU:HD23	1:1914:C:VAL:HA	6	0.25	0.08	0.24
(1,4620)	2:76:A:CYS:HB3	1:1914:C:VAL:HG23	6	0.24	0.04	0.24
(1,4620)	1:1913:C:GLU:HG3	1:1914:C:VAL:HG22	6	0.24	0.04	0.24
(1,4620)	1:1913:C:GLU:HG3	1:1914:C:VAL:HG23	6	0.24	0.04	0.24
(1,5845)	2:76:A:CYS:HA	2:73:A:GLN:HA	6	0.22	0.04	0.22
(1,735)	2:70:A:VAL:HG22	2:62:A:LEU:HB2	6	0.21	0.04	0.2
(1,735)	2:70:A:VAL:HG21	2:62:A:LEU:HB2	6	0.21	0.04	0.2
(1,735)	2:70:A:VAL:HG23	2:62:A:LEU:HB2	6	0.21	0.04	0.2
(1,3224)	2:93:A:PHE:H	2:93:A:PHE:HB3	6	0.21	0.03	0.2
(1,4724)	2:82:A:ILE:HD12	1:1900:C:LEU:HD21	6	0.21	0.07	0.24
(1,4724)	2:82:A:ILE:HD12	1:1900:C:LEU:HD22	6	0.21	0.07	0.24
(1,4724)	2:82:A:ILE:HD12	1:1900:C:LEU:HD23	6	0.21	0.07	0.24
(1,4724)	2:82:A:ILE:HD11	1:1900:C:LEU:HD21	6	0.21	0.07	0.24
(1,4724)	2:82:A:ILE:HD11	1:1900:C:LEU:HD22	6	0.21	0.07	0.24
(1,4724)	2:82:A:ILE:HD11	1:1900:C:LEU:HD23	6	0.21	0.07	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4724)	2:82:A:ILE:HD13	1:1900:C:LEU:HD21	6	0.21	0.07	0.24
(1,4724)	2:82:A:ILE:HD13	1:1900:C:LEU:HD22	6	0.21	0.07	0.24
(1,4724)	2:82:A:ILE:HD13	1:1900:C:LEU:HD23	6	0.21	0.07	0.24
(1,5919)	2:62:B:LEU:HD13	2:34:B:LEU:HD23	6	0.2	0.05	0.21
(1,5919)	2:62:B:LEU:HD13	2:34:B:LEU:HD22	6	0.2	0.05	0.21
(1,1602)	2:42:B:LEU:HD11	2:6:A:GLU:HA	6	0.2	0.07	0.18
(1,5842)	2:77:B:VAL:HG22	2:77:B:VAL:HG12	6	0.19	0.02	0.19
(1,5842)	2:77:B:VAL:HG22	2:77:B:VAL:HG13	6	0.19	0.02	0.19
(1,5842)	2:77:B:VAL:HG22	2:77:B:VAL:HG11	6	0.19	0.02	0.19
(1,2410)	2:9:A:LEU:HD23	2:5:A:LEU:HG	6	0.18	0.07	0.17
(1,2410)	2:9:A:LEU:HD22	2:5:A:LEU:HG	6	0.18	0.07	0.17
(1,2410)	2:9:A:LEU:HD21	2:5:A:LEU:HG	6	0.18	0.07	0.17
(1,5115)	1:1934:C:MET:HE1	1:1933:C:ARG:HA	6	0.18	0.04	0.17
(1,5115)	1:1934:C:MET:HE2	1:1933:C:ARG:HA	6	0.18	0.04	0.17
(1,5115)	1:1934:C:MET:HE3	1:1933:C:ARG:HA	6	0.18	0.04	0.17
(1,6811)	2:61:A:ASN:H	2:57:A:LYS:HD2	6	0.17	0.02	0.18
(1,1762)	2:38:B:LEU:HD11	2:62:B:LEU:HD23	6	0.16	0.06	0.15
(1,1762)	2:38:B:LEU:HD13	2:62:B:LEU:HD22	6	0.16	0.06	0.15
(1,1762)	2:38:B:LEU:HD11	2:62:B:LEU:HD21	6	0.16	0.06	0.15
(1,1762)	2:38:B:LEU:HD13	2:62:B:LEU:HD23	6	0.16	0.06	0.15
(1,1762)	2:38:B:LEU:HD12	2:62:B:LEU:HD22	6	0.16	0.06	0.15
(1,3882)	2:19:A:TYR:HE1	2:36:A:GLU:HG2	6	0.15	0.04	0.15
(1,3882)	2:19:A:TYR:HE2	2:36:A:GLU:HG2	6	0.15	0.04	0.15
(1,1285)	2:54:A:ALA:HB3	2:53:A:ALA:H	6	0.15	0.02	0.15
(1,1285)	2:54:A:ALA:HB1	2:53:A:ALA:H	6	0.15	0.02	0.15
(1,2110)	2:19:B:TYR:HA	2:22:B:LYS:HD2	6	0.14	0.01	0.15
(1,6369)	2:19:B:TYR:HA	2:22:B:LYS:HD2	6	0.14	0.01	0.15
(1,5832)	2:77:B:VAL:HA	2:79:B:LEU:HA	6	0.14	0.01	0.14
(1,3879)	2:72:B:PHE:HE1	2:75:B:TYR:HE1	6	0.14	0.03	0.14
(1,3879)	2:72:B:PHE:HE1	2:75:B:TYR:HE2	6	0.14	0.03	0.14
(1,3879)	2:72:B:PHE:HE2	2:75:B:TYR:HE1	6	0.14	0.03	0.14
(1,3879)	2:72:B:PHE:HE2	2:75:B:TYR:HE2	6	0.14	0.03	0.14
(1,5235)	1:1926:C:LEU:HD21	2:78:B:PHE:HE1	6	0.13	0.03	0.12
(1,5235)	1:1926:C:LEU:HD21	2:78:B:PHE:HE2	6	0.13	0.03	0.12
(1,5235)	1:1926:C:LEU:HD22	2:78:B:PHE:HE1	6	0.13	0.03	0.12
(1,5235)	1:1926:C:LEU:HD22	2:78:B:PHE:HE2	6	0.13	0.03	0.12
(1,5235)	1:1926:C:LEU:HD23	2:78:B:PHE:HE1	6	0.13	0.03	0.12
(1,5235)	1:1926:C:LEU:HD23	2:78:B:PHE:HE2	6	0.13	0.03	0.12
(1,5624)	1:1903:C:ALA:HB1	2:85:A:MET:HB3	6	0.12	0.01	0.11
(1,5624)	1:1903:C:ALA:HB2	2:85:A:MET:HB3	6	0.12	0.01	0.11
(1,5624)	1:1903:C:ALA:HB3	2:85:A:MET:HB3	6	0.12	0.01	0.11
(1,5359)	1:1917:C:LEU:HD21	2:61:B:ASN:HB2	5	1.32	0.49	1.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5359)	1:1917:C:LEU:HD22	2:61:B:ASN:HB2	5	1.32	0.49	1.16
(1,5359)	1:1917:C:LEU:HD23	2:61:B:ASN:HB2	5	1.32	0.49	1.16
(1,6417)	2:13:A:VAL:HG21	2:91:B:GLU:HB2	5	1.11	0.71	1.24
(1,6417)	2:13:A:VAL:HG23	2:91:B:GLU:HB2	5	1.11	0.71	1.24
(1,6417)	2:13:A:VAL:HG22	2:91:B:GLU:HB2	5	1.11	0.71	1.24
(1,2876)	2:47:A:GLY:H	1:1897:C:GLN:HE22	5	1.05	0.23	0.92
(1,983)	2:61:B:ASN:HB3	1:1917:C:LEU:HD21	5	1.01	0.29	1.08
(1,983)	2:61:B:ASN:HB3	1:1917:C:LEU:HD22	5	1.01	0.29	1.08
(1,983)	2:61:B:ASN:HB3	1:1917:C:LEU:HD23	5	1.01	0.29	1.08
(1,1851)	2:35:A:LYS:HD2	2:55:A:PHE:HD2	5	0.95	0.19	0.88
(1,1851)	2:35:A:LYS:HD2	2:55:A:PHE:HE1	5	0.95	0.19	0.88
(1,1851)	2:35:A:LYS:HD2	2:55:A:PHE:HD1	5	0.95	0.19	0.88
(1,3955)	2:77:B:VAL:HG21	1:1914:C:VAL:HG11	5	0.8	0.03	0.82
(1,3955)	2:77:B:VAL:HG21	1:1914:C:VAL:HG12	5	0.8	0.03	0.82
(1,3955)	2:77:B:VAL:HG23	1:1917:C:LEU:HD11	5	0.8	0.03	0.82
(1,5098)	1:1935:C:ALA:HB1	1:1933:C:ARG:HD3	5	0.71	0.48	0.82
(1,5098)	1:1935:C:ALA:HB2	1:1933:C:ARG:HD3	5	0.71	0.48	0.82
(1,5098)	1:1935:C:ALA:HB3	1:1933:C:ARG:HD3	5	0.71	0.48	0.82
(1,5342)	1:1917:C:LEU:HD23	1:1920:C:LYS:H	5	0.68	0.27	0.8
(1,5342)	1:1917:C:LEU:HD22	1:1920:C:LYS:H	5	0.68	0.27	0.8
(1,3787)	2:28:A:LYS:H	2:28:A:LYS:HE3	5	0.64	0.17	0.61
(1,3787)	2:28:A:LYS:H	2:28:A:LYS:HE2	5	0.64	0.17	0.61
(1,5980)	2:56:A:GLN:HG3	2:55:A:PHE:HB3	5	0.63	0.42	0.58
(1,5980)	2:56:A:GLN:HG2	2:57:A:LYS:HE3	5	0.63	0.42	0.58
(1,5980)	2:56:B:GLN:HG2	2:31:B:LYS:HE2	5	0.63	0.42	0.58
(1,6355)	2:22:B:LYS:HD2	2:19:B:TYR:HE1	5	0.49	0.12	0.54
(1,6355)	2:22:B:LYS:HD2	2:19:B:TYR:HE2	5	0.49	0.12	0.54
(1,7000)	2:75:A:TYR:HD1	2:16:A:PHE:HD2	5	0.47	0.18	0.49
(1,7000)	2:75:B:TYR:HD2	2:16:B:PHE:HD1	5	0.47	0.18	0.49
(1,7000)	2:75:A:TYR:HD2	2:16:A:PHE:HD2	5	0.47	0.18	0.49
(1,1433)	2:48:A:LYS:HG3	2:49:A:ARG:H	5	0.43	0.11	0.5
(1,5765)	2:83:B:ALA:HB3	2:72:A:PHE:HZ	5	0.43	0.18	0.46
(1,5765)	2:83:B:ALA:HB1	2:72:A:PHE:HZ	5	0.43	0.18	0.46
(1,5765)	2:83:A:ALA:HB2	2:72:B:PHE:HZ	5	0.43	0.18	0.46
(1,5765)	2:83:A:ALA:HB1	2:72:B:PHE:HZ	5	0.43	0.18	0.46
(1,6322)	2:23:A:GLU:HB2	2:30:A:ASN:HD21	5	0.4	0.23	0.34
(1,6980)	2:78:B:PHE:HE2	2:34:B:LEU:HD13	5	0.37	0.14	0.45
(1,6980)	2:78:B:PHE:HE2	2:58:B:LEU:HD11	5	0.37	0.14	0.45
(1,4392)	1:1928:C:PHE:HZ	1:1930:C:VAL:HG23	5	0.36	0.05	0.35
(1,4392)	1:1928:C:PHE:HZ	1:1930:C:VAL:HG22	5	0.36	0.05	0.35
(1,5143)	1:1930:C:VAL:HG13	1:1929:C:VAL:HA	5	0.33	0.09	0.31
(1,5143)	1:1930:C:VAL:HG13	2:89:B:PHE:HA	5	0.33	0.09	0.31

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5143)	1:1930:C:VAL:HG11	1:1929:C:VAL:HA	5	0.33	0.09	0.31
(1,5143)	1:1930:C:VAL:HG11	2:89:B:PHE:HA	5	0.33	0.09	0.31
(1,1082)	2:59:B:MET:HE3	2:68:B:ASN:HB3	5	0.32	0.11	0.38
(1,1082)	2:59:B:MET:HE2	2:68:B:ASN:HB3	5	0.32	0.11	0.38
(1,1778)	2:37:B:LEU:HD23	2:75:B:TYR:HE1	5	0.32	0.13	0.36
(1,1778)	2:37:B:LEU:HD23	2:75:B:TYR:HE2	5	0.32	0.13	0.36
(1,1778)	2:37:B:LEU:HD21	2:75:B:TYR:HE1	5	0.32	0.13	0.36
(1,1778)	2:37:B:LEU:HD21	2:75:B:TYR:HE2	5	0.32	0.13	0.36
(1,5287)	1:1921:C:LEU:HD21	1:1917:C:LEU:HD21	5	0.31	0.09	0.33
(1,5287)	1:1921:C:LEU:HD21	1:1917:C:LEU:HD22	5	0.31	0.09	0.33
(1,5287)	1:1921:C:LEU:HD21	1:1917:C:LEU:HD23	5	0.31	0.09	0.33
(1,5287)	1:1921:C:LEU:HD22	1:1917:C:LEU:HD21	5	0.31	0.09	0.33
(1,5287)	1:1921:C:LEU:HD22	1:1917:C:LEU:HD22	5	0.31	0.09	0.33
(1,5287)	1:1921:C:LEU:HD22	1:1917:C:LEU:HD23	5	0.31	0.09	0.33
(1,5287)	1:1921:C:LEU:HD23	1:1917:C:LEU:HD21	5	0.31	0.09	0.33
(1,5287)	1:1921:C:LEU:HD23	1:1917:C:LEU:HD22	5	0.31	0.09	0.33
(1,5287)	1:1921:C:LEU:HD23	1:1917:C:LEU:HD23	5	0.31	0.09	0.33
(1,4860)	1:1923:C:ARG:H	1:1922:C:ARG:HD3	5	0.31	0.06	0.29
(1,2236)	2:13:A:VAL:HG21	2:90:B:PHE:H	5	0.3	0.1	0.32
(1,2236)	2:13:A:VAL:HG23	2:90:B:PHE:H	5	0.3	0.1	0.32
(1,2236)	2:13:A:VAL:HG22	2:90:B:PHE:H	5	0.3	0.1	0.32
(1,1027)	2:59:A:MET:HE3	2:62:A:LEU:HD21	5	0.28	0.07	0.3
(1,1027)	2:59:A:MET:HE1	2:62:A:LEU:HD21	5	0.28	0.07	0.3
(1,1027)	2:59:A:MET:HE3	2:62:A:LEU:HD22	5	0.28	0.07	0.3
(1,5921)	2:62:B:LEU:HD23	1:1917:C:LEU:HD21	5	0.28	0.06	0.26
(1,5921)	2:62:B:LEU:HD21	1:1917:C:LEU:HD22	5	0.28	0.06	0.26
(1,5921)	2:62:B:LEU:HD23	1:1917:C:LEU:HD22	5	0.28	0.06	0.26
(1,5921)	2:62:B:LEU:HD21	1:1917:C:LEU:HD21	5	0.28	0.06	0.26
(1,5748)	2:85:B:MET:HE1	1:1923:C:ARG:H	5	0.24	0.12	0.17
(1,5748)	2:85:B:MET:HE2	2:81:B:CYS:H	5	0.24	0.12	0.17
(1,377)	2:82:B:ILE:HD12	2:38:B:LEU:HD22	5	0.23	0.11	0.19
(1,377)	2:82:B:ILE:HD11	2:38:B:LEU:HD23	5	0.23	0.11	0.19
(1,377)	2:82:B:ILE:HD13	2:38:B:LEU:HD21	5	0.23	0.11	0.19
(1,2277)	2:12:B:MET:HE1	2:75:B:TYR:HE1	5	0.21	0.04	0.2
(1,2277)	2:12:B:MET:HE1	2:75:B:TYR:HE2	5	0.21	0.04	0.2
(1,3870)	2:45:B:PHE:HD1	2:42:B:LEU:HD12	5	0.21	0.07	0.21
(1,3870)	2:45:B:PHE:HD2	2:42:B:LEU:HD12	5	0.21	0.07	0.21
(1,3870)	2:45:B:PHE:HD1	2:42:B:LEU:HD13	5	0.21	0.07	0.21
(1,3870)	2:45:B:PHE:HD2	2:42:B:LEU:HD13	5	0.21	0.07	0.21
(1,6552)	2:8:A:ALA:HB2	2:7:B:LYS:HB3	5	0.19	0.04	0.19
(1,6552)	2:8:B:ALA:HB1	2:7:B:LYS:HB3	5	0.19	0.04	0.19
(1,6552)	2:8:B:ALA:HB3	2:7:B:LYS:HB3	5	0.19	0.04	0.19

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2026)	2:29:A:LEU:HD11	2:34:A:LEU:HA	5	0.19	0.06	0.17
(1,2026)	2:29:A:LEU:HD13	2:34:A:LEU:HA	5	0.19	0.06	0.17
(1,4841)	1:1926:C:LEU:H	1:1926:C:LEU:HG	5	0.19	0.07	0.15
(1,1355)	2:52:B:GLU:HG2	2:52:B:GLU:H	5	0.18	0.04	0.18
(1,1355)	2:52:B:GLU:HG3	2:52:B:GLU:H	5	0.18	0.04	0.18
(1,5784)	2:82:B:ILE:HG23	1:1929:C:VAL:H	5	0.18	0.03	0.18
(1,5784)	2:82:B:ILE:HG21	1:1929:C:VAL:H	5	0.18	0.03	0.18
(1,5784)	2:82:B:ILE:HG22	1:1929:C:VAL:H	5	0.18	0.03	0.18
(1,165)	2:85:B:MET:HE1	1:1921:C:LEU:HB3	5	0.17	0.04	0.15
(1,2565)	2:2:B:ALA:HB2	2:4:B:PRO:HD3	5	0.17	0.04	0.18
(1,2565)	2:2:B:ALA:HB1	2:4:B:PRO:HD3	5	0.17	0.04	0.18
(1,2565)	2:2:B:ALA:HB3	2:4:B:PRO:HD3	5	0.17	0.04	0.18
(1,617)	2:77:B:VAL:HG23	1:1917:C:LEU:HB2	5	0.16	0.07	0.11
(1,617)	2:77:B:VAL:HG22	1:1917:C:LEU:HB2	5	0.16	0.07	0.11
(1,1930)	2:34:B:LEU:HD12	2:59:B:MET:HG3	5	0.15	0.03	0.15
(1,5956)	2:59:B:MET:HE1	2:34:B:LEU:HD12	5	0.15	0.05	0.12
(1,5956)	2:59:B:MET:HE3	2:70:B:VAL:HG22	5	0.15	0.05	0.12
(1,5956)	2:59:B:MET:HE3	2:70:B:VAL:HG23	5	0.15	0.05	0.12
(1,1800)	2:36:A:GLU:HG2	2:33:A:GLU:HA	5	0.15	0.01	0.15
(1,1698)	2:38:A:LEU:HD13	2:78:A:PHE:HD1	5	0.14	0.02	0.15
(1,1698)	2:38:A:LEU:HD13	2:78:A:PHE:HD2	5	0.14	0.02	0.15
(1,1698)	2:38:A:LEU:HD11	2:78:A:PHE:HD1	5	0.14	0.02	0.15
(1,1698)	2:38:A:LEU:HD11	2:78:A:PHE:HD2	5	0.14	0.02	0.15
(1,2134)	2:18:B:LYS:HE2	2:18:B:LYS:HG2	5	0.14	0.03	0.15
(1,4928)	1:1916:C:SER:H	1:1916:C:SER:HB3	5	0.14	0.01	0.14
(1,5101)	1:1935:C:ALA:HB1	2:45:B:PHE:HD1	5	0.14	0.05	0.13
(1,5101)	1:1935:C:ALA:HB1	2:45:B:PHE:HD2	5	0.14	0.05	0.13
(1,5101)	1:1935:C:ALA:HB2	2:45:B:PHE:HD1	5	0.14	0.05	0.13
(1,5101)	1:1935:C:ALA:HB2	2:45:B:PHE:HD2	5	0.14	0.05	0.13
(1,5101)	1:1935:C:ALA:HB3	2:45:B:PHE:HD1	5	0.14	0.05	0.13
(1,5101)	1:1935:C:ALA:HB3	2:45:B:PHE:HD2	5	0.14	0.05	0.13
(1,6553)	2:8:B:ALA:HB1	2:5:B:LEU:HA	5	0.14	0.03	0.15
(1,6553)	2:8:B:ALA:HB2	2:5:B:LEU:HA	5	0.14	0.03	0.15
(1,6553)	2:8:B:ALA:HB3	2:5:B:LEU:HA	5	0.14	0.03	0.15
(1,5616)	1:1903:C:ALA:HB1	1:1906:C:THR:HB	5	0.13	0.02	0.14
(1,5616)	1:1903:C:ALA:HB2	1:1906:C:THR:HB	5	0.13	0.02	0.14
(1,5616)	1:1903:C:ALA:HB3	1:1906:C:THR:HB	5	0.13	0.02	0.14
(1,3341)	2:21:A:GLY:H	2:29:A:LEU:HD21	5	0.13	0.01	0.13
(1,3341)	2:21:A:GLY:H	2:29:A:LEU:HD22	5	0.13	0.01	0.13
(1,1690)	2:38:A:LEU:HD23	2:38:A:LEU:H	5	0.12	0.01	0.12
(1,1690)	2:38:A:LEU:HD21	2:38:A:LEU:H	5	0.12	0.01	0.12
(1,1690)	2:38:A:LEU:HD22	2:38:A:LEU:H	5	0.12	0.01	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2575)	2:4:A:PRO:HA	2:7:B:LYS:HB3	5	0.11	0.01	0.11
(1,6565)	2:7:B:LYS:HB3	2:4:A:PRO:HA	5	0.11	0.01	0.11
(1,5620)	1:1903:C:ALA:HB2	2:89:A:PHE:HB2	4	2.06	1.04	2.01
(1,5620)	1:1903:C:ALA:HB1	2:89:A:PHE:HB2	4	2.06	1.04	2.01
(1,5620)	1:1903:C:ALA:HB3	1:1898:C:ARG:HD3	4	2.06	1.04	2.01
(1,6412)	2:13:A:VAL:HG11	2:91:B:GLU:HB2	4	1.02	0.57	1.06
(1,6412)	2:13:A:VAL:HG12	2:12:A:MET:HE1	4	1.02	0.57	1.06
(1,6412)	2:13:A:VAL:HG12	2:91:B:GLU:HB2	4	1.02	0.57	1.06
(1,4563)	1:1917:C:LEU:HD21	1:1917:C:LEU:HA	4	0.68	0.06	0.67
(1,4563)	1:1917:C:LEU:HD22	1:1917:C:LEU:HA	4	0.68	0.06	0.67
(1,4563)	1:1917:C:LEU:HD23	1:1917:C:LEU:HA	4	0.68	0.06	0.67
(1,1958)	2:34:B:LEU:HD21	2:70:B:VAL:HG13	4	0.67	0.12	0.66
(1,6001)	2:96:A:LYS:HE3	2:100:A:LYS:H	4	0.65	0.4	0.58
(1,6001)	2:96:A:LYS:HE2	2:100:A:LYS:H	4	0.65	0.4	0.58
(1,6001)	2:22:A:LYS:HE2	2:20:A:SER:H	4	0.65	0.4	0.58
(1,6001)	2:22:A:LYS:HE3	2:20:A:SER:H	4	0.65	0.4	0.58
(1,5357)	1:1917:C:LEU:HD11	2:78:B:PHE:HB3	4	0.58	0.05	0.58
(1,5357)	1:1917:C:LEU:HD12	2:78:B:PHE:HB3	4	0.58	0.05	0.58
(1,5357)	1:1917:C:LEU:HD13	2:78:B:PHE:HB3	4	0.58	0.05	0.58
(1,6296)	2:26:A:LYS:HG3	2:21:A:GLY:HA2	4	0.57	0.11	0.57
(1,6296)	2:26:B:LYS:HG3	2:21:B:GLY:HA2	4	0.57	0.11	0.57
(1,2109)	2:78:B:PHE:HA	1:1917:C:LEU:HD11	4	0.56	0.08	0.54
(1,2109)	2:78:B:PHE:HA	1:1917:C:LEU:HD12	4	0.56	0.08	0.54
(1,2109)	2:78:B:PHE:HA	1:1917:C:LEU:HD13	4	0.56	0.08	0.54
(1,1032)	2:59:A:MET:HE1	2:59:A:MET:HG2	4	0.55	0.25	0.68
(1,1032)	2:59:A:MET:HE2	2:59:A:MET:HG2	4	0.55	0.25	0.68
(1,1291)	2:54:A:ALA:HB1	1:1897:C:GLN:HG3	4	0.52	0.21	0.59
(1,1291)	2:54:A:ALA:HB2	1:1897:C:GLN:HG3	4	0.52	0.21	0.59
(1,6210)	2:32:B:SER:HB2	2:33:B:GLU:H	4	0.5	0.05	0.48
(1,4148)	2:61:B:ASN:HA	1:1917:C:LEU:HD21	4	0.48	0.05	0.48
(1,4148)	2:61:B:ASN:HA	1:1917:C:LEU:HD22	4	0.48	0.05	0.48
(1,4148)	2:61:B:ASN:HA	1:1917:C:LEU:HD23	4	0.48	0.05	0.48
(1,6993)	2:72:B:PHE:HZ	2:83:A:ALA:HB1	4	0.45	0.17	0.5
(1,6993)	2:72:B:PHE:HZ	2:83:A:ALA:HB2	4	0.45	0.17	0.5
(1,6993)	2:72:A:PHE:HZ	2:83:B:ALA:HB3	4	0.45	0.17	0.5
(1,1311)	2:54:B:ALA:HB3	2:50:B:THR:HG21	4	0.4	0.21	0.37
(1,1311)	2:54:B:ALA:HB2	2:50:B:THR:HG22	4	0.4	0.21	0.37
(1,7015)	2:19:A:TYR:HE1	2:40:A:ARG:HB2	4	0.39	0.19	0.4
(1,7015)	2:19:B:TYR:HE1	2:36:B:GLU:HB3	4	0.39	0.19	0.4
(1,4485)	1:1926:C:LEU:HG	1:1924:C:GLY:H	4	0.36	0.05	0.36
(1,5344)	1:1917:C:LEU:HD21	2:62:B:LEU:HA	4	0.34	0.12	0.39
(1,5344)	1:1917:C:LEU:HD22	2:62:B:LEU:HA	4	0.34	0.12	0.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,6215)	2:31:B:LYS:HD3	2:57:B:LYS:H	4	0.34	0.01	0.34
(1,5353)	1:1917:C:LEU:HD11	1:1920:C:LYS:HG3	4	0.31	0.03	0.32
(1,5353)	1:1917:C:LEU:HD12	1:1920:C:LYS:HG3	4	0.31	0.03	0.32
(1,5353)	1:1917:C:LEU:HD13	1:1920:C:LYS:HG3	4	0.31	0.03	0.32
(1,4617)	1:1913:C:GLU:HG3	1:1914:C:VAL:HG12	4	0.31	0.0	0.31
(1,4617)	2:81:B:CYS:HB3	1:1917:C:LEU:HD12	4	0.31	0.0	0.31
(1,4617)	2:81:B:CYS:HB3	1:1917:C:LEU:HD11	4	0.31	0.0	0.31
(1,4617)	2:81:B:CYS:HB3	1:1917:C:LEU:HD13	4	0.31	0.0	0.31
(1,6207)	2:32:B:SER:HB2	2:33:B:GLU:HG3	4	0.28	0.04	0.28
(1,6207)	2:32:A:SER:HB2	2:33:A:GLU:HG3	4	0.28	0.04	0.28
(1,5180)	1:1929:C:VAL:HG21	2:45:B:PHE:HA	4	0.28	0.29	0.11
(1,5180)	1:1929:C:VAL:HG22	2:45:B:PHE:HA	4	0.28	0.29	0.11
(1,5180)	1:1929:C:VAL:HG23	2:45:B:PHE:HA	4	0.28	0.29	0.11
(1,5993)	2:54:B:ALA:HB3	2:57:B:LYS:HD3	4	0.27	0.09	0.24
(1,5993)	2:54:A:ALA:HB3	1:1898:C:ARG:HG2	4	0.27	0.09	0.24
(1,5993)	2:54:A:ALA:HB2	1:1898:C:ARG:HG2	4	0.27	0.09	0.24
(1,1566)	2:42:A:LEU:HD12	2:75:A:TYR:HE1	4	0.27	0.1	0.26
(1,1566)	2:42:A:LEU:HD12	2:75:A:TYR:HE2	4	0.27	0.1	0.26
(1,1566)	2:42:A:LEU:HD13	2:75:A:TYR:HE1	4	0.27	0.1	0.26
(1,1566)	2:42:A:LEU:HD13	2:75:A:TYR:HE2	4	0.27	0.1	0.26
(1,5712)	1:1897:C:GLN:HG2	1:1898:C:ARG:H	4	0.26	0.08	0.29
(1,5944)	2:59:A:MET:HE3	2:31:A:LYS:HG3	4	0.26	0.14	0.24
(1,5944)	2:59:A:MET:HE1	2:31:A:LYS:HG3	4	0.26	0.14	0.24
(1,5944)	2:59:A:MET:HE2	2:31:A:LYS:HG3	4	0.26	0.14	0.24
(1,1031)	2:59:A:MET:HE1	2:59:A:MET:HG3	4	0.25	0.03	0.25
(1,1031)	2:59:A:MET:HE3	2:59:A:MET:HG3	4	0.25	0.03	0.25
(1,1031)	2:59:A:MET:HE2	2:59:A:MET:HG3	4	0.25	0.03	0.25
(1,2221)	2:13:A:VAL:HG12	2:86:B:CYS:HB3	4	0.24	0.07	0.26
(1,2221)	2:13:A:VAL:HG13	2:86:B:CYS:HB3	4	0.24	0.07	0.26
(1,1028)	2:59:A:MET:HE1	2:34:A:LEU:HD12	4	0.24	0.04	0.26
(1,1028)	2:59:A:MET:HE2	2:34:A:LEU:HD12	4	0.24	0.04	0.26
(1,1028)	2:59:A:MET:HE3	2:34:A:LEU:HD12	4	0.24	0.04	0.26
(1,1100)	2:59:B:MET:HE3	2:31:B:LYS:H	4	0.24	0.04	0.24
(1,1100)	2:59:B:MET:HE2	2:31:B:LYS:H	4	0.24	0.04	0.24
(1,1047)	2:59:A:MET:HE3	2:33:A:GLU:H	4	0.23	0.14	0.18
(1,1047)	2:59:A:MET:HE1	2:33:A:GLU:H	4	0.23	0.14	0.18
(1,1047)	2:59:A:MET:HE2	2:33:A:GLU:H	4	0.23	0.14	0.18
(1,3904)	2:38:A:LEU:HD13	1:1900:C:LEU:HD21	4	0.23	0.05	0.22
(1,3904)	2:38:A:LEU:HD13	1:1900:C:LEU:HD22	4	0.23	0.05	0.22
(1,3904)	2:38:A:LEU:HD13	1:1900:C:LEU:HD23	4	0.23	0.05	0.22
(1,3904)	2:38:A:LEU:HD12	1:1900:C:LEU:HD21	4	0.23	0.05	0.22
(1,3904)	2:38:A:LEU:HD12	1:1900:C:LEU:HD22	4	0.23	0.05	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3904)	2:38:A:LEU:HD12	1:1900:C:LEU:HD23	4	0.23	0.05	0.22
(1,6714)	2:23:A:GLU:H	2:22:A:LYS:HB3	4	0.22	0.1	0.21
(1,6714)	2:23:B:GLU:H	2:22:B:LYS:HB3	4	0.22	0.1	0.21
(1,203)	2:84:A:MET:HE3	1:1906:C:THR:HG21	4	0.21	0.06	0.22
(1,203)	2:84:A:MET:HE3	1:1906:C:THR:HG22	4	0.21	0.06	0.22
(1,203)	2:84:A:MET:HE3	1:1906:C:THR:HG23	4	0.21	0.06	0.22
(1,3764)	2:97:B:GLN:H	2:96:B:LYS:HA	4	0.21	0.1	0.18
(1,171)	2:85:B:MET:HE2	1:1918:C:LYS:HA	4	0.21	0.04	0.22
(1,354)	2:82:B:ILE:HG22	2:45:B:PHE:HE1	4	0.2	0.05	0.2
(1,354)	2:82:B:ILE:HG22	2:45:B:PHE:HE2	4	0.2	0.05	0.2
(1,354)	2:82:B:ILE:HG21	2:45:B:PHE:HE1	4	0.2	0.05	0.2
(1,354)	2:82:B:ILE:HG21	2:45:B:PHE:HE2	4	0.2	0.05	0.2
(1,354)	2:82:B:ILE:HG23	2:45:B:PHE:HE1	4	0.2	0.05	0.2
(1,354)	2:82:B:ILE:HG23	2:45:B:PHE:HE2	4	0.2	0.05	0.2
(1,1713)	2:38:A:LEU:HD11	2:42:A:LEU:HB2	4	0.2	0.08	0.16
(1,6289)	2:26:B:LYS:HB3	2:26:B:LYS:HG2	4	0.2	0.01	0.21
(1,6289)	2:26:A:LYS:HB3	2:26:A:LYS:HG2	4	0.2	0.01	0.21
(1,139)	2:85:A:MET:HE2	1:1900:C:LEU:HD11	4	0.2	0.08	0.18
(1,139)	2:85:A:MET:HE2	1:1900:C:LEU:HD12	4	0.2	0.08	0.18
(1,139)	2:85:A:MET:HE2	1:1900:C:LEU:HD13	4	0.2	0.08	0.18
(1,819)	2:68:B:ASN:HA	2:68:B:ASN:HB3	4	0.2	0.01	0.2
(1,2015)	2:29:B:LEU:HD12	2:27:B:PHE:HD1	4	0.2	0.04	0.19
(1,2015)	2:29:B:LEU:HD12	2:27:B:PHE:HD2	4	0.2	0.04	0.19
(1,2015)	2:29:B:LEU:HD13	2:27:B:PHE:HD1	4	0.2	0.04	0.19
(1,2015)	2:29:B:LEU:HD13	2:27:B:PHE:HD2	4	0.2	0.04	0.19
(1,4717)	1:1898:C:ARG:H	1:1898:C:ARG:HB2	4	0.2	0.04	0.2
(1,6129)	2:37:B:LEU:HD12	2:75:B:TYR:HD2	4	0.19	0.09	0.18
(1,6129)	2:37:B:LEU:HD13	2:75:B:TYR:HD2	4	0.19	0.09	0.18
(1,1077)	2:59:B:MET:HE1	2:31:B:LYS:HG2	4	0.19	0.08	0.17
(1,1077)	2:59:B:MET:HE2	2:31:B:LYS:HG2	4	0.19	0.08	0.17
(1,6922)	2:60:B:SER:H	2:58:B:LEU:HD13	4	0.19	0.09	0.16
(1,6922)	2:60:B:SER:H	2:58:B:LEU:HD12	4	0.19	0.09	0.16
(1,6094)	2:38:A:LEU:HD21	2:58:A:LEU:HD21	4	0.18	0.03	0.18
(1,6094)	2:38:A:LEU:HD22	2:58:A:LEU:HD22	4	0.18	0.03	0.18
(1,6094)	2:38:A:LEU:HD23	2:58:A:LEU:HD23	4	0.18	0.03	0.18
(1,4177)	2:46:B:LEU:HD11	1:1927:C:PRO:HG2	4	0.18	0.07	0.17
(1,4588)	2:57:A:LYS:HD3	1:1905:C:GLU:HA	4	0.18	0.03	0.18
(1,777)	2:70:B:VAL:HG21	2:62:B:LEU:HB2	4	0.18	0.04	0.18
(1,777)	2:70:B:VAL:HG23	2:62:B:LEU:HB2	4	0.18	0.04	0.18
(1,778)	2:70:B:VAL:HG11	2:62:B:LEU:HB2	4	0.18	0.07	0.16
(1,778)	2:70:B:VAL:HG13	2:62:B:LEU:HB2	4	0.18	0.07	0.16
(1,2494)	2:5:B:LEU:HD13	2:41:A:GLU:HB2	4	0.17	0.05	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2494)	2:5:B:LEU:HD12	2:41:A:GLU:HB2	4	0.17	0.05	0.18
(1,2014)	2:29:A:LEU:HD12	2:27:A:PHE:HD1	4	0.16	0.04	0.16
(1,2014)	2:29:A:LEU:HD12	2:27:A:PHE:HD2	4	0.16	0.04	0.16
(1,2014)	2:29:A:LEU:HD13	2:27:A:PHE:HD1	4	0.16	0.04	0.16
(1,2014)	2:29:A:LEU:HD13	2:27:A:PHE:HD2	4	0.16	0.04	0.16
(1,568)	2:77:A:VAL:HG21	1:1907:C:ALA:HA	4	0.14	0.03	0.13
(1,568)	2:77:A:VAL:HG22	1:1907:C:ALA:HA	4	0.14	0.03	0.13
(1,3933)	2:77:A:VAL:HG21	1:1907:C:ALA:HA	4	0.14	0.03	0.13
(1,3933)	2:77:A:VAL:HG22	1:1907:C:ALA:HA	4	0.14	0.03	0.13
(1,5363)	1:1917:C:LEU:HD21	1:1917:C:LEU:HB3	4	0.13	0.02	0.12
(1,5363)	1:1917:C:LEU:HD22	1:1917:C:LEU:HB3	4	0.13	0.02	0.12
(1,5363)	1:1917:C:LEU:HD23	1:1917:C:LEU:HB3	4	0.13	0.02	0.12
(2,27)	2:47:B:GLY:H	1:1929:C:VAL:HA	4	0.13	0.04	0.12
(1,5569)	1:1906:C:THR:HG21	1:1905:C:GLU:HG3	4	0.12	0.02	0.12
(1,5569)	1:1906:C:THR:HG22	1:1905:C:GLU:HG3	4	0.12	0.02	0.12
(1,5569)	1:1906:C:THR:HG23	1:1905:C:GLU:HG3	4	0.12	0.02	0.12
(1,6021)	2:46:A:LEU:HD13	2:39:A:THR:HG22	4	0.12	0.02	0.12
(1,6021)	2:46:A:LEU:HD11	2:39:A:THR:HG22	4	0.12	0.02	0.12
(1,6021)	2:46:A:LEU:HD13	2:39:A:THR:HG21	4	0.12	0.02	0.12
(1,6021)	2:46:A:LEU:HD11	2:39:A:THR:HG23	4	0.12	0.02	0.12
(1,6068)	2:39:A:THR:HG22	2:46:A:LEU:HD13	4	0.12	0.02	0.12
(1,6068)	2:39:A:THR:HG22	2:46:A:LEU:HD11	4	0.12	0.02	0.12
(1,6068)	2:39:A:THR:HG21	2:46:A:LEU:HD13	4	0.12	0.02	0.12
(1,6068)	2:39:A:THR:HG23	2:46:A:LEU:HD11	4	0.12	0.02	0.12
(1,607)	2:77:B:VAL:HG23	1:1914:C:VAL:HA	4	0.12	0.01	0.12
(1,3969)	2:77:B:VAL:HG23	1:1914:C:VAL:HA	4	0.12	0.01	0.12
(1,4898)	1:1919:C:ASN:H	1:1918:C:LYS:HB3	4	0.12	0.02	0.12
(1,180)	2:85:B:MET:HE2	2:85:B:MET:H	4	0.12	0.01	0.12
(1,3218)	2:93:A:PHE:H	2:93:A:PHE:HA	4	0.12	0.0	0.12
(1,5762)	2:83:A:ALA:HB2	2:82:A:ILE:H	4	0.12	0.01	0.12
(1,5762)	2:83:A:ALA:HB1	2:82:A:ILE:H	4	0.12	0.01	0.12
(1,3939)	2:77:A:VAL:HG22	1:1910:C:MET:H	4	0.11	0.01	0.11
(1,4997)	1:1910:C:MET:H	2:77:A:VAL:HG22	4	0.11	0.01	0.11
(1,5987)	2:54:A:ALA:HB1	2:58:A:LEU:HD11	3	1.2	0.42	1.49
(1,5987)	2:54:B:ALA:HB3	1:1926:C:LEU:HD21	3	1.2	0.42	1.49
(1,6300)	2:26:A:LYS:HD3	2:27:A:PHE:HD2	3	1.05	0.48	1.25
(1,6300)	2:26:B:LYS:HD2	2:27:B:PHE:HD2	3	1.05	0.48	1.25
(1,6294)	2:26:A:LYS:HG3	2:27:A:PHE:HD2	3	0.65	0.23	0.71
(1,6209)	2:32:B:SER:HB3	2:30:B:ASN:HD21	3	0.54	0.41	0.32
(1,6209)	2:32:A:SER:HB3	2:30:A:ASN:HD21	3	0.54	0.41	0.32
(1,2733)	2:22:B:LYS:H	2:22:B:LYS:HE2	3	0.51	0.2	0.64
(1,2733)	2:22:B:LYS:H	2:22:B:LYS:HE3	3	0.51	0.2	0.64

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3803)	2:22:A:LYS:H	2:22:A:LYS:HE2	3	0.51	0.2	0.64
(1,3803)	2:22:A:LYS:H	2:22:A:LYS:HE3	3	0.51	0.2	0.64
(1,5945)	2:59:A:MET:HE3	2:63:A:ASP:HB2	3	0.42	0.07	0.39
(1,5775)	2:83:A:ALA:HB1	2:9:B:LEU:HD22	3	0.42	0.2	0.41
(1,5775)	2:83:B:ALA:HB1	2:9:A:LEU:HD21	3	0.42	0.2	0.41
(1,6005)	2:50:B:THR:HG23	2:46:B:LEU:HB2	3	0.41	0.16	0.49
(1,6260)	2:28:A:LYS:HD3	2:25:A:ASP:HB3	3	0.39	0.17	0.3
(1,6353)	2:22:B:LYS:HD3	2:19:B:TYR:HD1	3	0.36	0.16	0.36
(1,6353)	2:22:B:LYS:HD3	2:19:B:TYR:HD2	3	0.36	0.16	0.36
(1,5622)	1:1903:C:ALA:HB1	1:1902:C:ASP:HB3	3	0.35	0.15	0.27
(1,5622)	1:1903:C:ALA:HB2	1:1902:C:ASP:HB3	3	0.35	0.15	0.27
(1,5622)	1:1903:C:ALA:HB3	1:1902:C:ASP:HB3	3	0.35	0.15	0.27
(1,6184)	2:34:A:LEU:HD21	2:70:A:VAL:HG11	3	0.33	0.09	0.36
(1,6768)	2:27:B:PHE:H	2:28:B:LYS:HD3	3	0.33	0.25	0.16
(1,6768)	2:27:B:PHE:H	2:28:B:LYS:HG2	3	0.33	0.25	0.16
(1,4034)	2:82:B:ILE:HD12	1:1926:C:LEU:HD11	3	0.33	0.05	0.31
(1,4034)	2:82:B:ILE:HD12	1:1926:C:LEU:HD12	3	0.33	0.05	0.31
(1,4034)	2:82:B:ILE:HD12	1:1926:C:LEU:HD13	3	0.33	0.05	0.31
(1,6386)	2:18:B:LYS:HE3	2:19:B:TYR:HE2	3	0.32	0.12	0.27
(1,6386)	2:18:B:LYS:HE3	2:19:B:TYR:HE1	3	0.32	0.12	0.27
(1,4631)	1:1912:C:ARG:HB3	1:1909:C:ALA:HA	3	0.32	0.12	0.37
(1,6006)	2:50:B:THR:HG23	2:54:B:ALA:HB3	3	0.31	0.15	0.34
(1,6006)	2:50:B:THR:HG22	2:35:B:LYS:HD2	3	0.31	0.15	0.34
(1,6006)	2:50:B:THR:HG21	2:54:B:ALA:HB3	3	0.31	0.15	0.34
(1,936)	2:62:B:LEU:HD12	2:61:B:ASN:HB2	3	0.29	0.13	0.3
(1,1607)	2:42:B:LEU:HD13	2:45:B:PHE:HE1	3	0.29	0.1	0.35
(1,1607)	2:42:B:LEU:HD13	2:45:B:PHE:HE2	3	0.29	0.1	0.35
(1,1607)	2:42:B:LEU:HD11	2:45:B:PHE:HE1	3	0.29	0.1	0.35
(1,1607)	2:42:B:LEU:HD11	2:45:B:PHE:HE2	3	0.29	0.1	0.35
(1,6154)	2:37:A:LEU:HD11	2:16:A:PHE:HD2	3	0.28	0.12	0.28
(1,6154)	2:37:A:LEU:HD13	2:16:A:PHE:HD1	3	0.28	0.12	0.28
(1,6154)	2:37:A:LEU:HD13	2:16:A:PHE:HD2	3	0.28	0.12	0.28
(1,3770)	2:57:A:LYS:H	2:57:A:LYS:HE2	3	0.28	0.13	0.24
(1,3770)	2:57:A:LYS:H	2:57:A:LYS:HE3	3	0.28	0.13	0.24
(1,6394)	2:15:B:THR:HB	2:18:B:LYS:HD2	3	0.27	0.08	0.3
(1,6394)	2:15:A:THR:HB	2:18:A:LYS:HD2	3	0.27	0.08	0.3
(1,988)	2:60:A:SER:HB2	2:59:A:MET:HB2	3	0.26	0.0	0.26
(1,4795)	1:1933:C:ARG:H	1:1933:C:ARG:HG2	3	0.26	0.05	0.25
(1,5755)	2:84:B:MET:HE1	2:76:A:CYS:HB3	3	0.26	0.05	0.26
(1,4)	2:93:B:PHE:HA	2:93:B:PHE:HB2	3	0.25	0.02	0.26
(1,6701)	2:99:B:ARG:H	2:99:B:ARG:HB3	3	0.25	0.17	0.15
(1,6701)	2:99:A:ARG:H	2:99:A:ARG:HB3	3	0.25	0.17	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,6452)	2:12:A:MET:HE3	2:79:A:LEU:HG	3	0.24	0.1	0.24
(1,6452)	2:12:A:MET:HE1	2:79:A:LEU:HG	3	0.24	0.1	0.24
(1,5362)	1:1917:C:LEU:HD21	1:1918:C:LYS:HB3	3	0.23	0.13	0.17
(1,5362)	1:1917:C:LEU:HD22	1:1918:C:LYS:HB3	3	0.23	0.13	0.17
(1,5362)	1:1917:C:LEU:HD23	1:1918:C:LYS:HB3	3	0.23	0.13	0.17
(1,5362)	1:1917:C:LEU:HD21	1:1918:C:LYS:HB2	3	0.23	0.13	0.17
(1,5362)	1:1917:C:LEU:HD22	1:1918:C:LYS:HB2	3	0.23	0.13	0.17
(1,5362)	1:1917:C:LEU:HD23	1:1918:C:LYS:HB2	3	0.23	0.13	0.17
(1,956)	2:62:B:LEU:HD13	2:78:B:PHE:HZ	3	0.21	0.08	0.18
(1,1081)	2:59:B:MET:HE2	2:68:B:ASN:HB2	3	0.21	0.06	0.23
(1,1656)	2:39:B:THR:HG22	2:35:B:LYS:HE3	3	0.21	0.07	0.25
(1,1656)	2:39:B:THR:HG23	2:35:B:LYS:HE3	3	0.21	0.07	0.25
(1,707)	2:71:B:ASP:HA	2:28:B:LYS:HD2	3	0.2	0.07	0.22
(1,1089)	2:59:B:MET:HE2	2:30:B:ASN:HA	3	0.2	0.04	0.21
(1,1089)	2:59:B:MET:HE3	2:30:B:ASN:HA	3	0.2	0.04	0.21
(1,1898)	2:34:A:LEU:HD12	2:59:A:MET:HG2	3	0.19	0.07	0.15
(1,765)	2:70:B:VAL:HG22	2:63:B:ASP:HB3	3	0.19	0.06	0.21
(1,5347)	1:1917:C:LEU:HD21	2:78:B:PHE:HA	3	0.17	0.02	0.18
(1,5347)	1:1917:C:LEU:HD22	2:78:B:PHE:HA	3	0.17	0.02	0.18
(1,5347)	1:1917:C:LEU:HD23	2:78:B:PHE:HA	3	0.17	0.02	0.18
(1,1328)	2:53:B:ALA:HB3	2:52:B:GLU:HB3	3	0.17	0.06	0.13
(1,1328)	2:53:B:ALA:HB1	2:52:B:GLU:HB3	3	0.17	0.06	0.13
(1,1651)	2:39:A:THR:HB	2:40:A:ARG:HG3	3	0.16	0.06	0.12
(1,6885)	2:38:B:LEU:H	2:37:B:LEU:HD13	3	0.16	0.04	0.18
(1,2995)	2:62:A:LEU:H	2:57:A:LYS:HE2	3	0.15	0.01	0.15
(1,3228)	2:95:A:ASP:H	2:93:A:PHE:HA	3	0.15	0.01	0.15
(1,4593)	1:1914:C:VAL:H	1:1915:C:SER:HB2	3	0.15	0.03	0.15
(1,6645)	2:4:B:PRO:HG3	2:11:A:VAL:HG22	3	0.15	0.04	0.14
(1,2887)	2:49:A:ARG:H	2:49:A:ARG:HB3	3	0.15	0.02	0.13
(1,1373)	2:50:A:THR:HA	2:55:A:PHE:HD1	3	0.14	0.04	0.12
(1,1373)	2:50:A:THR:HA	2:55:A:PHE:HD2	3	0.14	0.04	0.12
(1,1845)	2:35:A:LYS:HD3	2:32:A:SER:HA	3	0.14	0.04	0.12
(1,2086)	2:22:B:LYS:HB2	2:19:B:TYR:HA	3	0.14	0.02	0.13
(1,143)	2:85:A:MET:HE3	2:85:A:MET:HB2	3	0.13	0.03	0.12
(1,2087)	2:22:A:LYS:HB2	2:19:A:TYR:HA	3	0.13	0.01	0.13
(1,1022)	2:59:A:MET:HG2	2:31:A:LYS:HG2	3	0.12	0.0	0.12
(1,4192)	2:84:A:MET:HE3	1:1910:C:MET:HB2	3	0.12	0.02	0.11
(1,4562)	1:1917:C:LEU:HD11	1:1917:C:LEU:HA	3	0.12	0.01	0.12
(1,4562)	1:1917:C:LEU:HD12	1:1917:C:LEU:HA	3	0.12	0.01	0.12
(1,4562)	1:1917:C:LEU:HD13	1:1917:C:LEU:HA	3	0.12	0.01	0.12
(1,5346)	1:1917:C:LEU:HD11	1:1917:C:LEU:HA	3	0.12	0.01	0.12
(1,5346)	1:1917:C:LEU:HD12	1:1917:C:LEU:HA	3	0.12	0.01	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5346)	1:1917:C:LEU:HD13	1:1917:C:LEU:HA	3	0.12	0.01	0.12
(1,5401)	1:1914:C:VAL:HG21	2:85:B:MET:HB2	3	0.12	0.01	0.13
(1,5401)	1:1914:C:VAL:HG22	2:85:B:MET:HB2	3	0.12	0.01	0.13
(1,5401)	1:1914:C:VAL:HG23	2:85:B:MET:HB2	3	0.12	0.01	0.13
(1,6500)	2:11:A:VAL:HG23	2:15:A:THR:HG21	3	0.12	0.01	0.13
(1,6500)	2:11:A:VAL:HG21	2:15:A:THR:HG22	3	0.12	0.01	0.13
(1,6500)	2:11:A:VAL:HG22	2:15:A:THR:HG23	3	0.12	0.01	0.13
(2,17)	2:31:B:LYS:HD3	2:32:B:SER:H	3	0.12	0.02	0.12
(1,5490)	1:1910:C:MET:HE3	2:77:B:VAL:HB	3	0.11	0.0	0.11
(1,5490)	1:1910:C:MET:HE1	2:77:B:VAL:HB	3	0.11	0.0	0.11
(2,16)	2:34:B:LEU:HG	2:75:B:TYR:HB2	3	0.11	0.01	0.11
(1,3793)	2:28:B:LYS:H	2:28:B:LYS:HD3	3	0.11	0.0	0.11
(1,6340)	2:22:A:LYS:HA	2:22:A:LYS:HG3	3	0.11	0.01	0.1
(1,5129)	1:1934:C:MET:HE1	1:1931:C:PRO:HG2	3	0.1	0.0	0.1
(1,5129)	1:1934:C:MET:HE2	1:1931:C:PRO:HG2	3	0.1	0.0	0.1
(1,5129)	1:1934:C:MET:HE3	1:1931:C:PRO:HG2	3	0.1	0.0	0.1
(1,5524)	1:1909:C:ALA:HB3	1:1912:C:ARG:HB2	2	1.11	0.1	1.11
(1,5524)	1:1909:C:ALA:HB2	1:1912:C:ARG:HB2	2	1.11	0.1	1.11
(1,163)	2:85:B:MET:HE1	1:1929:C:VAL:HG11	2	1.1	0.98	1.1
(1,163)	2:85:B:MET:HE1	1:1929:C:VAL:HG12	2	1.1	0.98	1.1
(1,163)	2:85:B:MET:HE1	1:1929:C:VAL:HG13	2	1.1	0.98	1.1
(1,6374)	2:19:B:TYR:HA	2:22:B:LYS:HE3	2	1.06	0.31	1.06
(1,6351)	2:22:B:LYS:HD2	2:22:B:LYS:H	2	0.7	0.05	0.7
(1,4790)	1:1934:C:MET:H	1:1933:C:ARG:HG2	2	0.64	0.08	0.64
(1,4169)	2:54:B:ALA:HB3	1:1926:C:LEU:HD21	2	0.63	0.02	0.63
(1,4169)	2:54:B:ALA:HB3	1:1926:C:LEU:HD22	2	0.63	0.02	0.63
(1,4169)	2:54:B:ALA:HB3	1:1926:C:LEU:HD23	2	0.63	0.02	0.63
(1,4572)	1:1920:C:LYS:HG3	1:1917:C:LEU:HA	2	0.6	0.03	0.6
(1,6708)	2:23:A:GLU:H	2:33:A:GLU:HA	2	0.59	0.22	0.59
(1,6708)	2:23:B:GLU:H	2:33:B:GLU:HA	2	0.59	0.22	0.59
(1,2237)	2:13:B:VAL:HG22	2:90:A:PHE:H	2	0.58	0.2	0.58
(1,2237)	2:13:B:VAL:HG23	2:90:A:PHE:H	2	0.58	0.2	0.58
(1,1975)	2:32:A:SER:HB3	2:32:A:SER:H	2	0.57	0.01	0.57
(1,1122)	2:58:A:LEU:HD12	2:61:A:ASN:HD21	2	0.55	0.01	0.55
(1,1122)	2:58:A:LEU:HD11	2:61:A:ASN:HD21	2	0.55	0.01	0.55
(1,4313)	1:1913:C:GLU:H	1:1912:C:ARG:HB2	2	0.53	0.4	0.53
(1,4946)	1:1913:C:GLU:H	1:1912:C:ARG:HB2	2	0.53	0.4	0.53
(1,6323)	2:23:A:GLU:HB2	2:30:A:ASN:HD22	2	0.5	0.01	0.5
(1,6569)	2:22:B:LYS:HD3	2:19:B:TYR:HA	2	0.48	0.33	0.48
(1,6675)	2:26:B:LYS:H	2:26:B:LYS:HG2	2	0.46	0.24	0.46
(1,6810)	2:61:A:ASN:H	1:1900:C:LEU:HB3	2	0.46	0.11	0.46
(1,6810)	2:61:A:ASN:H	2:62:A:LEU:HG	2	0.46	0.11	0.46

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,6309)	2:25:A:ASP:HA	2:26:A:LYS:HG2	2	0.44	0.28	0.44
(1,6309)	2:25:B:ASP:HA	2:26:B:LYS:HG2	2	0.44	0.28	0.44
(1,4091)	2:84:B:MET:HE3	1:1915:C:SER:HB2	2	0.44	0.04	0.44
(1,6384)	2:18:B:LYS:HD3	2:19:B:TYR:HE2	2	0.41	0.16	0.41
(1,6384)	2:18:B:LYS:HD3	2:19:B:TYR:HE1	2	0.41	0.16	0.41
(1,7026)	2:19:B:TYR:HE2	2:18:B:LYS:HD3	2	0.41	0.16	0.41
(1,7026)	2:19:B:TYR:HE1	2:18:B:LYS:HD3	2	0.41	0.16	0.41
(1,6726)	2:33:B:GLU:H	2:33:B:GLU:HG2	2	0.39	0.1	0.39
(1,6965)	2:26:B:LYS:H	2:26:B:LYS:HG3	2	0.34	0.2	0.34
(1,3791)	2:28:B:LYS:H	2:28:B:LYS:HE3	2	0.32	0.08	0.32
(1,3791)	2:28:B:LYS:H	2:28:B:LYS:HE2	2	0.32	0.08	0.32
(1,6216)	2:57:B:LYS:HD3	2:56:B:GLN:HG3	2	0.32	0.14	0.32
(1,6216)	2:31:A:LYS:HD3	2:59:A:MET:HG2	2	0.32	0.14	0.32
(1,6620)	2:2:A:ALA:HB1	2:7:A:LYS:HA	2	0.32	0.03	0.32
(1,5947)	2:59:A:MET:HE1	2:30:A:ASN:HA	2	0.31	0.14	0.31
(1,5947)	2:59:A:MET:HE1	2:69:A:GLU:HA	2	0.31	0.14	0.31
(1,1339)	2:52:A:GLU:HG2	2:55:A:PHE:HD1	2	0.3	0.01	0.3
(1,1339)	2:52:A:GLU:HG2	2:55:A:PHE:HD2	2	0.3	0.01	0.3
(1,5298)	1:1921:C:LEU:HD11	1:1917:C:LEU:HD21	2	0.3	0.18	0.3
(1,5298)	1:1921:C:LEU:HD11	1:1917:C:LEU:HD22	2	0.3	0.18	0.3
(1,5298)	1:1921:C:LEU:HD11	1:1917:C:LEU:HD23	2	0.3	0.18	0.3
(1,5298)	1:1921:C:LEU:HD12	1:1917:C:LEU:HD21	2	0.3	0.18	0.3
(1,5298)	1:1921:C:LEU:HD12	1:1917:C:LEU:HD22	2	0.3	0.18	0.3
(1,5298)	1:1921:C:LEU:HD12	1:1917:C:LEU:HD23	2	0.3	0.18	0.3
(1,5298)	1:1921:C:LEU:HD13	1:1917:C:LEU:HD21	2	0.3	0.18	0.3
(1,5298)	1:1921:C:LEU:HD13	1:1917:C:LEU:HD22	2	0.3	0.18	0.3
(1,5298)	1:1921:C:LEU:HD13	1:1917:C:LEU:HD23	2	0.3	0.18	0.3
(1,2884)	2:49:A:ARG:H	1:1897:C:GLN:HE22	2	0.29	0.11	0.29
(1,1554)	2:42:A:LEU:HD13	2:41:A:GLU:HB2	2	0.28	0.12	0.28
(1,1554)	2:42:A:LEU:HD11	2:41:A:GLU:HB2	2	0.28	0.12	0.28
(1,1764)	2:38:B:LEU:HD22	2:62:B:LEU:HD21	2	0.28	0.12	0.28
(1,1764)	2:38:B:LEU:HD22	2:62:B:LEU:HD22	2	0.28	0.12	0.28
(1,5638)	1:1901:C:GLU:HB3	1:1905:C:GLU:HB2	2	0.28	0.01	0.28
(1,775)	2:70:B:VAL:HG22	2:59:B:MET:HE3	2	0.26	0.08	0.26
(1,5361)	1:1917:C:LEU:HD22	1:1913:C:GLU:HB2	2	0.24	0.12	0.24
(1,5361)	1:1917:C:LEU:HD23	1:1913:C:GLU:HB2	2	0.24	0.12	0.24
(1,6650)	2:101:B:LYS:H	2:100:B:LYS:HA	2	0.24	0.04	0.24
(1,6650)	2:101:A:LYS:H	2:100:A:LYS:HA	2	0.24	0.04	0.24
(1,1289)	2:54:A:ALA:HB2	2:51:A:ASP:HB2	2	0.24	0.07	0.24
(1,1289)	2:54:A:ALA:HB3	2:51:A:ASP:HB2	2	0.24	0.07	0.24
(1,7003)	2:72:B:PHE:HE1	2:83:A:ALA:HB2	2	0.23	0.09	0.23
(1,7003)	2:72:B:PHE:HE1	2:83:A:ALA:HB1	2	0.23	0.09	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,6438)	2:12:B:MET:HE2	2:79:A:LEU:HG	2	0.23	0.06	0.23
(1,7019)	2:19:B:TYR:HE2	2:37:B:LEU:HA	2	0.22	0.04	0.22
(1,5229)	1:1926:C:LEU:HD21	2:85:B:MET:HE1	2	0.22	0.02	0.22
(1,5229)	1:1926:C:LEU:HD22	2:85:B:MET:HE1	2	0.22	0.02	0.22
(1,5229)	1:1926:C:LEU:HD23	2:85:B:MET:HE1	2	0.22	0.02	0.22
(1,6903)	2:50:B:THR:H	2:54:B:ALA:HB3	2	0.22	0.04	0.22
(1,3064)	2:73:A:GLN:H	2:74:A:GLU:HB3	2	0.21	0.05	0.21
(1,5485)	1:1910:C:MET:HE2	2:77:A:VAL:HG13	2	0.21	0.1	0.21
(1,5485)	1:1910:C:MET:HE3	1:1914:C:VAL:HG22	2	0.21	0.1	0.21
(1,510)	2:79:B:LEU:HD13	2:12:B:MET:HG2	2	0.2	0.07	0.2
(1,510)	2:79:B:LEU:HD11	2:12:B:MET:HG2	2	0.2	0.07	0.2
(1,2411)	2:9:A:LEU:HD22	2:83:B:ALA:HB1	2	0.2	0.07	0.2
(1,6031)	2:42:A:LEU:HD12	2:38:A:LEU:HB3	2	0.2	0.05	0.2
(1,6040)	2:42:A:LEU:HD11	2:6:B:GLU:H	2	0.19	0.04	0.19
(1,6418)	2:13:A:VAL:HG23	2:83:B:ALA:HB3	2	0.19	0.08	0.19
(1,6418)	2:13:A:VAL:HG21	2:83:B:ALA:HB3	2	0.19	0.08	0.19
(1,1356)	2:52:B:GLU:HG3	2:55:B:PHE:H	2	0.18	0.02	0.18
(1,1356)	2:52:B:GLU:HG2	2:55:B:PHE:H	2	0.18	0.02	0.18
(1,6540)	2:8:B:ALA:HB3	2:12:A:MET:HG2	2	0.18	0.01	0.18
(1,6540)	2:8:B:ALA:HB2	2:12:A:MET:HG2	2	0.18	0.01	0.18
(1,3541)	2:61:B:ASN:H	2:62:B:LEU:HD12	2	0.18	0.06	0.18
(1,6251)	2:28:A:LYS:HB2	2:69:A:GLU:HB3	2	0.17	0.06	0.17
(1,1431)	2:48:A:LYS:HB3	2:49:A:ARG:H	2	0.17	0.01	0.17
(1,1442)	2:48:B:LYS:HA	2:48:B:LYS:HG3	2	0.17	0.04	0.17
(1,6476)	2:11:A:VAL:HG13	2:7:A:LYS:HG3	2	0.17	0.05	0.17
(1,6476)	2:11:A:VAL:HG12	2:7:A:LYS:HG3	2	0.17	0.05	0.17
(1,1938)	2:34:B:LEU:HD13	2:62:B:LEU:HD13	2	0.16	0.04	0.16
(1,3826)	2:78:A:PHE:HD1	2:58:A:LEU:HD22	2	0.16	0.06	0.16
(1,3826)	2:78:A:PHE:HD2	2:58:A:LEU:HD22	2	0.16	0.06	0.16
(1,3826)	2:78:A:PHE:HD1	2:58:A:LEU:HD21	2	0.16	0.06	0.16
(1,3826)	2:78:A:PHE:HD2	2:58:A:LEU:HD21	2	0.16	0.06	0.16
(1,4707)	1:1919:C:ASN:HD22	1:1916:C:SER:HA	2	0.16	0.06	0.16
(1,5079)	1:1899:C:GLU:H	1:1898:C:ARG:HA	2	0.16	0.02	0.16
(1,6102)	2:38:B:LEU:HD13	2:42:B:LEU:HB3	2	0.16	0.02	0.16
(1,6102)	2:38:B:LEU:HD12	2:42:B:LEU:HB3	2	0.16	0.02	0.16
(1,1699)	2:38:A:LEU:HD21	2:46:A:LEU:H	2	0.16	0.01	0.16
(1,2222)	2:13:A:VAL:HG12	2:13:A:VAL:HG23	2	0.16	0.01	0.16
(1,6027)	2:45:A:PHE:HA	2:46:A:LEU:HD22	2	0.16	0.04	0.16
(1,6027)	2:45:A:PHE:HA	1:1900:C:LEU:HD13	2	0.16	0.04	0.16
(1,2306)	2:12:A:MET:HE2	2:12:B:MET:HG2	2	0.16	0.02	0.16
(1,2306)	2:12:A:MET:HE1	2:12:B:MET:HG2	2	0.16	0.02	0.16
(1,3245)	2:97:A:GLN:H	2:96:A:LYS:HA	2	0.16	0.02	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,7001)	2:89:A:PHE:HD1	2:89:A:PHE:H	2	0.16	0.02	0.16
(1,7001)	2:89:A:PHE:HD2	2:89:A:PHE:H	2	0.16	0.02	0.16
(1,1555)	2:42:A:LEU:HD11	2:43:A:PRO:HD3	2	0.16	0.04	0.16
(1,6032)	2:42:A:LEU:HD11	2:41:A:GLU:HB3	2	0.16	0.05	0.16
(1,1793)	2:36:A:GLU:HB3	2:19:A:TYR:HE1	2	0.15	0.02	0.15
(1,1793)	2:36:A:GLU:HB3	2:19:A:TYR:HE2	2	0.15	0.02	0.15
(1,870)	2:64:A:SER:HB2	1:1907:C:ALA:HB1	2	0.15	0.03	0.15
(1,870)	2:64:A:SER:HB2	1:1907:C:ALA:HB2	2	0.15	0.03	0.15
(1,870)	2:64:A:SER:HB2	1:1907:C:ALA:HB3	2	0.15	0.03	0.15
(1,3761)	2:96:B:LYS:H	2:96:B:LYS:HB3	2	0.15	0.04	0.15
(1,3587)	2:69:B:GLU:H	2:68:B:ASN:HA	2	0.15	0.02	0.15
(1,3482)	2:52:B:GLU:H	2:51:B:ASP:HB3	2	0.14	0.01	0.14
(1,679)	2:72:A:PHE:HA	2:72:A:PHE:HD1	2	0.14	0.02	0.14
(1,679)	2:72:A:PHE:HA	2:72:A:PHE:HD2	2	0.14	0.02	0.14
(1,908)	2:62:A:LEU:HD13	2:62:A:LEU:H	2	0.14	0.01	0.14
(1,908)	2:62:A:LEU:HD12	2:62:A:LEU:H	2	0.14	0.01	0.14
(1,1818)	2:36:B:GLU:HB3	2:19:B:TYR:HE1	2	0.14	0.04	0.14
(1,1818)	2:36:B:GLU:HB3	2:19:B:TYR:HE2	2	0.14	0.04	0.14
(1,2353)	2:10:A:ASP:HA	2:13:A:VAL:HB	2	0.14	0.01	0.14
(1,5506)	1:1910:C:MET:HE2	2:80:A:SER:H	2	0.14	0.02	0.14
(1,5506)	1:1910:C:MET:HE1	2:80:A:SER:H	2	0.14	0.02	0.14
(1,4490)	1:1924:C:GLY:H	1:1921:C:LEU:HA	2	0.13	0.02	0.13
(2,33)	2:88:B:GLU:H	2:84:B:MET:HA	2	0.13	0.03	0.13
(1,1438)	2:48:A:LYS:HA	2:48:A:LYS:HD3	2	0.12	0.01	0.12
(1,64)	2:88:A:GLU:HB3	2:85:A:MET:HA	2	0.12	0.01	0.12
(1,869)	2:64:A:SER:HB3	2:74:A:GLU:HG2	2	0.12	0.01	0.12
(1,2091)	2:22:B:LYS:HG3	2:22:B:LYS:HE2	2	0.12	0.0	0.12
(1,3067)	2:73:A:GLN:H	2:75:A:TYR:H	2	0.12	0.01	0.12
(1,5819)	2:79:B:LEU:HD22	2:5:A:LEU:HA	2	0.12	0.01	0.12
(1,179)	2:85:B:MET:HE1	1:1922:C:ARG:H	2	0.12	0.02	0.12
(1,1878)	2:35:B:LYS:HE3	2:55:B:PHE:HD1	2	0.12	0.0	0.12
(1,1878)	2:35:B:LYS:HE3	2:55:B:PHE:HD2	2	0.12	0.0	0.12
(1,2352)	2:10:B:ASP:HA	2:13:B:VAL:HB	2	0.12	0.0	0.12
(1,3590)	2:69:B:GLU:H	2:28:B:LYS:HD2	2	0.12	0.0	0.12
(1,6408)	2:13:B:VAL:HB	2:10:B:ASP:HA	2	0.12	0.0	0.12
(1,4036)	2:85:A:MET:HG3	1:1903:C:ALA:HB1	2	0.11	0.01	0.11
(1,4036)	2:85:A:MET:HG3	1:1903:C:ALA:HB2	2	0.11	0.01	0.11
(1,4036)	2:85:A:MET:HG3	1:1903:C:ALA:HB3	2	0.11	0.01	0.11
(1,4646)	1:1907:C:ALA:HB1	1:1911:C:ASN:HD22	2	0.11	0.0	0.11
(1,4646)	1:1907:C:ALA:HB2	1:1911:C:ASN:HD22	2	0.11	0.0	0.11
(1,4646)	1:1907:C:ALA:HB3	1:1911:C:ASN:HD22	2	0.11	0.0	0.11
(1,4986)	1:1911:C:ASN:HD22	1:1907:C:ALA:HB1	2	0.11	0.0	0.11

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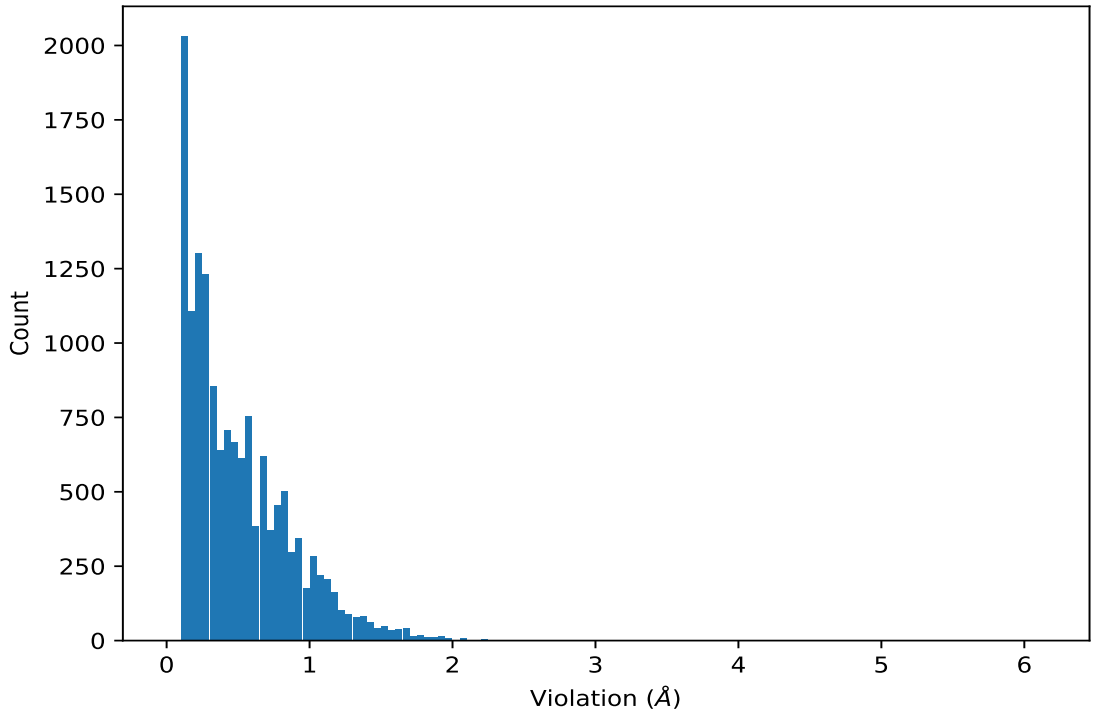
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4986)	1:1911:C:ASN:HD22	1:1907:C:ALA:HB2	2	0.11	0.0	0.11
(1,4986)	1:1911:C:ASN:HD22	1:1907:C:ALA:HB3	2	0.11	0.0	0.11
(1,5553)	1:1907:C:ALA:HB1	1:1911:C:ASN:HD22	2	0.11	0.0	0.11
(1,5553)	1:1907:C:ALA:HB2	1:1911:C:ASN:HD22	2	0.11	0.0	0.11
(1,5553)	1:1907:C:ALA:HB3	1:1911:C:ASN:HD22	2	0.11	0.0	0.11
(1,1389)	2:50:B:THR:HA	2:50:B:THR:HB	2	0.11	0.0	0.11
(1,2203)	2:13:B:VAL:HA	2:72:B:PHE:HE1	2	0.11	0.0	0.11
(1,2203)	2:13:B:VAL:HA	2:72:B:PHE:HE2	2	0.11	0.0	0.11
(1,5070)	1:1900:C:LEU:H	1:1899:C:GLU:HG2	2	0.11	0.0	0.11

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

9.5 All violated distance restraints

9.5.1 Histogram : Distribution of distance violations

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

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)
(1,4752)	2:53:A:ALA:H	1:1898:C:ARG:HD2	6	6.13
(1,5620)	1:1903:C:ALA:HB2	2:89:A:PHE:HB2	6	3.48
(1,5360)	1:1917:C:LEU:HD21	1:1918:C:LYS:HE2	20	3.05
(1,5360)	1:1917:C:LEU:HD22	1:1918:C:LYS:HE2	20	3.05
(1,5360)	1:1917:C:LEU:HD23	1:1918:C:LYS:HE2	20	3.05
(1,5620)	1:1903:C:ALA:HB2	2:89:A:PHE:HB2	8	2.51
(1,5026)	1:1907:C:ALA:H	2:85:A:MET:HB2	17	2.5
(1,5026)	1:1907:C:ALA:H	2:85:A:MET:HB2	14	2.47
(1,2024)	2:29:A:LEU:HD12	2:72:A:PHE:HE1	2	2.44
(1,2024)	2:29:A:LEU:HD12	2:72:A:PHE:HE2	2	2.44
(1,4189)	2:42:B:LEU:HD11	1:1928:C:PHE:HD1	4	2.37
(1,1483)	2:46:A:LEU:HD21	1:1897:C:GLN:HG2	8	2.36
(1,5026)	1:1907:C:ALA:H	2:85:A:MET:HB2	5	2.35
(1,5026)	1:1907:C:ALA:H	2:85:A:MET:HB2	20	2.3
(1,5026)	1:1907:C:ALA:H	2:85:A:MET:HB2	1	2.24
(1,2024)	2:29:A:LEU:HD12	2:72:A:PHE:HE1	5	2.23
(1,2024)	2:29:A:LEU:HD12	2:72:A:PHE:HE2	5	2.23
(1,5026)	1:1907:C:ALA:H	2:85:A:MET:HB2	13	2.21
(1,5026)	1:1907:C:ALA:H	2:85:A:MET:HB2	12	2.17
(1,6519)	2:9:B:LEU:HD22	2:11:B:VAL:HG11	18	2.11
(1,4189)	2:42:B:LEU:HD12	1:1928:C:PHE:HD1	1	2.11
(1,6519)	2:9:B:LEU:HD22	2:11:B:VAL:HG12	8	2.1
(1,6519)	2:9:B:LEU:HD23	2:11:B:VAL:HG13	1	2.09
(1,1468)	2:46:A:LEU:HD13	1:1897:C:GLN:HE22	15	2.09
(1,6417)	2:13:A:VAL:HG23	2:91:B:GLU:HB2	4	2.08
(1,163)	2:85:B:MET:HE1	1:1929:C:VAL:HG11	5	2.08
(1,163)	2:85:B:MET:HE1	1:1929:C:VAL:HG12	5	2.08
(1,163)	2:85:B:MET:HE1	1:1929:C:VAL:HG13	5	2.08
(1,5026)	1:1907:C:ALA:H	2:85:A:MET:HB2	18	2.07
(1,4189)	2:42:B:LEU:HD12	1:1928:C:PHE:HD1	6	2.06
(1,6030)	2:42:A:LEU:HD12	2:29:A:LEU:HD23	1	2.04
(1,4056)	2:85:B:MET:HE1	1:1922:C:ARG:HG2	3	2.0
(1,6519)	2:9:B:LEU:HD23	2:11:B:VAL:HG11	13	1.99
(1,6519)	2:9:B:LEU:HD22	2:11:B:VAL:HG13	12	1.98
(1,5360)	1:1917:C:LEU:HD21	1:1918:C:LYS:HE2	8	1.97
(1,5360)	1:1917:C:LEU:HD22	1:1918:C:LYS:HE2	8	1.97
(1,5360)	1:1917:C:LEU:HD23	1:1918:C:LYS:HE2	8	1.97
(1,1468)	2:46:A:LEU:HD12	1:1897:C:GLN:HE22	13	1.97
(1,6519)	2:9:B:LEU:HD21	2:11:B:VAL:HG13	2	1.96
(1,6519)	2:9:B:LEU:HD23	2:11:B:VAL:HG13	3	1.96
(1,6519)	2:9:B:LEU:HD22	2:11:B:VAL:HG12	17	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6030)	2:42:A:LEU:HD12	2:29:A:LEU:HD23	11	1.95
(1,6030)	2:42:A:LEU:HD12	2:29:A:LEU:HD22	17	1.95
(1,5359)	1:1917:C:LEU:HD21	2:61:B:ASN:HB2	13	1.94
(1,5359)	1:1917:C:LEU:HD22	2:61:B:ASN:HB2	13	1.94
(1,5359)	1:1917:C:LEU:HD23	2:61:B:ASN:HB2	13	1.94
(1,5026)	1:1907:C:ALA:H	2:85:A:MET:HB2	19	1.94
(1,6519)	2:9:B:LEU:HD22	2:11:B:VAL:HG11	15	1.93
(1,6030)	2:42:A:LEU:HD12	2:29:A:LEU:HD23	10	1.93
(1,3963)	2:77:B:VAL:HG23	1:1920:C:LYS:HG3	14	1.93
(1,4189)	2:42:B:LEU:HD12	1:1928:C:PHE:HD1	20	1.92
(1,6519)	2:9:B:LEU:HD23	2:11:B:VAL:HG12	14	1.91
(1,6030)	2:42:A:LEU:HD12	2:29:A:LEU:HD23	2	1.91
(1,4189)	2:42:B:LEU:HD12	1:1928:C:PHE:HD1	10	1.91
(1,4189)	2:42:B:LEU:HD12	1:1928:C:PHE:HD1	15	1.91
(1,1468)	2:46:A:LEU:HD12	1:1897:C:GLN:HE22	11	1.91
(1,6519)	2:9:B:LEU:HD23	2:11:B:VAL:HG11	6	1.9
(1,4189)	2:42:B:LEU:HD12	1:1928:C:PHE:HD2	16	1.9
(1,6519)	2:9:B:LEU:HD23	2:11:B:VAL:HG11	11	1.89
(1,4052)	2:85:B:MET:HE1	1:1929:C:VAL:HG11	5	1.88
(1,4052)	2:85:B:MET:HE1	1:1929:C:VAL:HG12	5	1.88
(1,4052)	2:85:B:MET:HE1	1:1929:C:VAL:HG13	5	1.88
(1,1468)	2:46:A:LEU:HD13	1:1897:C:GLN:HE22	16	1.88
(1,6519)	2:9:B:LEU:HD21	2:11:B:VAL:HG11	9	1.87
(1,6519)	2:9:B:LEU:HD22	2:11:B:VAL:HG12	19	1.87
(1,6185)	2:34:A:LEU:HD22	1:1900:C:LEU:HD22	3	1.87
(1,6030)	2:42:A:LEU:HD12	2:29:A:LEU:HD22	3	1.86
(1,6519)	2:9:B:LEU:HD21	2:11:B:VAL:HG12	4	1.85
(1,6030)	2:42:A:LEU:HD12	2:29:A:LEU:HD21	7	1.85
(1,4189)	2:42:B:LEU:HD12	1:1928:C:PHE:HD1	7	1.83
(1,5779)	2:82:A:ILE:HG22	2:42:A:LEU:HD12	15	1.82
(1,4879)	1:1920:C:LYS:H	1:1926:C:LEU:HG	12	1.82
(1,4189)	2:42:B:LEU:HD12	1:1928:C:PHE:HD1	12	1.82
(1,6182)	2:34:A:LEU:HD21	2:36:A:GLU:HB3	20	1.81
(1,6030)	2:42:A:LEU:HD12	2:29:A:LEU:HD23	20	1.81
(1,5360)	1:1917:C:LEU:HD21	1:1918:C:LYS:HE3	10	1.81
(1,5360)	1:1917:C:LEU:HD22	1:1918:C:LYS:HE3	10	1.81
(1,5360)	1:1917:C:LEU:HD23	1:1918:C:LYS:HE3	10	1.81
(1,4907)	1:1918:C:LYS:H	1:1910:C:MET:HG3	18	1.81
(1,1483)	2:46:A:LEU:HD22	1:1897:C:GLN:HG2	14	1.81
(1,1483)	2:46:A:LEU:HD22	1:1897:C:GLN:HG2	15	1.8
(1,6412)	2:13:A:VAL:HG12	2:12:A:MET:HE1	4	1.79
(1,6182)	2:34:A:LEU:HD22	2:59:A:MET:HB2	14	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5359)	1:1917:C:LEU:HD21	2:61:B:ASN:HB2	19	1.79
(1,5359)	1:1917:C:LEU:HD22	2:61:B:ASN:HB2	19	1.79
(1,5359)	1:1917:C:LEU:HD23	2:61:B:ASN:HB2	19	1.79
(1,1483)	2:46:A:LEU:HD23	1:1897:C:GLN:HG2	20	1.79
(1,6185)	2:34:A:LEU:HD21	2:5:B:LEU:HD22	11	1.78
(1,371)	2:82:B:ILE:HG23	2:12:A:MET:HE2	8	1.78
(1,6519)	2:9:B:LEU:HD22	2:11:B:VAL:HG13	16	1.77
(1,5537)	1:1907:C:ALA:HA	1:1905:C:GLU:HB2	5	1.77
(1,6519)	2:9:B:LEU:HD23	2:11:B:VAL:HG13	10	1.76
(1,6451)	2:12:A:MET:HE1	2:5:B:LEU:HD11	14	1.76
(1,6072)	2:39:B:THR:HG21	2:36:B:GLU:HB3	6	1.76
(1,6030)	2:42:A:LEU:HD12	2:29:A:LEU:HD22	14	1.76
(1,4189)	2:42:B:LEU:HD12	1:1928:C:PHE:HD1	8	1.76
(1,1657)	2:39:B:THR:HG23	2:40:B:ARG:HD2	20	1.76
(1,6010)	2:49:B:ARG:HD3	2:54:B:ALA:HB3	1	1.75
(1,6030)	2:42:A:LEU:HD12	2:29:A:LEU:HD21	19	1.74
(1,6519)	2:9:B:LEU:HD21	2:11:B:VAL:HG11	5	1.73
(1,6519)	2:9:B:LEU:HD22	2:11:B:VAL:HG11	20	1.73
(1,6072)	2:39:B:THR:HG22	2:36:B:GLU:HB3	4	1.73
(1,4056)	2:85:B:MET:HE1	1:1922:C:ARG:HG2	1	1.73
(1,1468)	2:46:A:LEU:HD11	1:1897:C:GLN:HE22	4	1.73
(1,6072)	2:39:B:THR:HG22	2:36:B:GLU:HB3	17	1.72
(1,5908)	2:29:A:LEU:HD23	2:55:A:PHE:HE1	3	1.72
(1,4056)	2:85:B:MET:HE1	1:1922:C:ARG:HG2	10	1.72
(1,6451)	2:12:A:MET:HE1	2:5:B:LEU:HD13	15	1.71
(1,6182)	2:34:A:LEU:HD21	2:36:A:GLU:HB2	12	1.71
(1,1069)	2:59:B:MET:HE1	2:62:B:LEU:HD11	17	1.71
(1,1069)	2:59:B:MET:HE1	2:62:B:LEU:HD11	20	1.71
(1,126)	2:85:A:MET:HE2	1:1898:C:ARG:H	15	1.71
(1,6519)	2:9:B:LEU:HD21	2:11:B:VAL:HG12	7	1.7
(1,6182)	2:34:A:LEU:HD23	2:59:A:MET:HB2	9	1.7
(1,5360)	1:1917:C:LEU:HD21	1:1918:C:LYS:HE3	13	1.7
(1,5360)	1:1917:C:LEU:HD22	1:1918:C:LYS:HE3	13	1.7
(1,5360)	1:1917:C:LEU:HD23	1:1918:C:LYS:HE3	13	1.7
(1,371)	2:82:B:ILE:HG23	2:12:A:MET:HE2	12	1.7
(1,6185)	2:34:A:LEU:HD22	1:1900:C:LEU:HD22	17	1.69
(1,5779)	2:82:A:ILE:HG22	2:42:A:LEU:HD13	3	1.69
(1,4189)	2:42:B:LEU:HD12	1:1928:C:PHE:HD1	11	1.69
(1,4056)	2:85:B:MET:HE1	1:1922:C:ARG:HG2	14	1.69
(1,1483)	2:46:A:LEU:HD22	1:1897:C:GLN:HG2	18	1.69
(1,6501)	2:11:A:VAL:HG22	2:16:A:PHE:HB2	7	1.68
(1,6182)	2:34:A:LEU:HD22	2:59:A:MET:HB2	7	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6182)	2:34:A:LEU:HD22	2:59:A:MET:HB2	17	1.68
(1,6156)	2:36:A:GLU:HB2	2:37:A:LEU:HD22	15	1.68
(1,6101)	2:38:B:LEU:HD22	2:35:B:LYS:H	12	1.68
(1,6072)	2:39:B:THR:HG22	2:36:B:GLU:HB3	5	1.68
(1,6030)	2:42:A:LEU:HD12	2:29:A:LEU:HD22	18	1.68
(1,5818)	2:79:B:LEU:HD21	2:80:B:SER:HB3	18	1.68
(1,5758)	2:84:B:MET:HE3	2:73:A:GLN:H	7	1.68
(1,3963)	2:77:B:VAL:HG23	1:1920:C:LYS:HG3	20	1.68
(1,1483)	2:46:A:LEU:HD21	1:1897:C:GLN:HG2	11	1.68
(1,6618)	2:2:A:ALA:HA	2:7:A:LYS:HE2	17	1.67
(1,6618)	2:2:B:ALA:HA	2:7:B:LYS:HE3	19	1.67
(1,6247)	2:29:B:LEU:HD21	2:30:B:ASN:HD22	2	1.67
(1,6185)	2:34:A:LEU:HD22	1:1900:C:LEU:HD21	4	1.67
(1,6101)	2:38:B:LEU:HD23	1:1930:C:VAL:H	5	1.67
(1,6072)	2:39:B:THR:HG23	2:36:B:GLU:HB3	14	1.67
(1,6030)	2:42:A:LEU:HD12	2:29:A:LEU:HD23	12	1.67
(1,5779)	2:82:A:ILE:HG22	2:42:A:LEU:HD13	8	1.67
(1,4023)	2:38:B:LEU:HD22	1:1929:C:VAL:HG21	5	1.67
(1,4023)	2:38:B:LEU:HD22	1:1929:C:VAL:HG22	5	1.67
(1,4023)	2:38:B:LEU:HD22	1:1929:C:VAL:HG23	5	1.67
(1,6618)	2:2:A:ALA:HA	2:7:A:LYS:HE3	10	1.66
(1,6072)	2:39:B:THR:HG23	2:36:B:GLU:HB3	12	1.66
(1,6030)	2:42:A:LEU:HD12	2:29:A:LEU:HD21	5	1.66
(1,4752)	2:58:A:LEU:H	1:1898:C:ARG:HD3	1	1.66
(1,4189)	2:42:B:LEU:HD12	1:1928:C:PHE:HD1	13	1.66
(1,4178)	2:46:A:LEU:HD21	1:1897:C:GLN:HG2	8	1.66
(1,4056)	2:85:B:MET:HE1	1:1922:C:ARG:HG2	4	1.66
(1,1483)	2:46:A:LEU:HD23	1:1897:C:GLN:HG2	9	1.66
(1,6451)	2:12:A:MET:HE1	2:5:B:LEU:HD23	9	1.65
(1,6451)	2:12:A:MET:HE1	2:5:B:LEU:HD11	11	1.65
(1,4189)	2:42:B:LEU:HD12	1:1928:C:PHE:HD1	2	1.65
(1,4056)	2:85:B:MET:HE1	1:1922:C:ARG:HG2	12	1.65
(1,4056)	2:85:B:MET:HE1	1:1922:C:ARG:HG2	19	1.65
(1,1069)	2:59:B:MET:HE3	2:62:B:LEU:HD11	4	1.65
(1,371)	2:82:B:ILE:HG23	2:12:A:MET:HE1	10	1.65
(1,5779)	2:82:A:ILE:HG22	2:42:A:LEU:HD13	18	1.64
(1,5758)	2:84:B:MET:HE1	2:73:A:GLN:H	20	1.64
(1,4907)	1:1918:C:LYS:H	1:1910:C:MET:HG3	1	1.64
(1,4189)	2:42:B:LEU:HD12	1:1928:C:PHE:HD1	17	1.64
(1,6182)	2:34:A:LEU:HD22	2:59:A:MET:HB2	8	1.63
(1,6182)	2:34:A:LEU:HD23	2:59:A:MET:HB2	13	1.63
(1,6010)	2:49:B:ARG:HD2	2:35:B:LYS:HD2	7	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4907)	1:1918:C:LYS:H	1:1910:C:MET:HG3	9	1.63
(1,4907)	1:1918:C:LYS:H	1:1922:C:ARG:HB3	10	1.63
(1,6451)	2:12:A:MET:HE1	2:5:B:LEU:HD13	18	1.62
(1,6417)	2:13:A:VAL:HG22	2:91:B:GLU:HB2	15	1.62
(1,6301)	2:26:B:LYS:HD2	2:27:B:PHE:HE2	12	1.62
(1,6185)	2:34:A:LEU:HD21	2:5:B:LEU:HD22	2	1.62
(1,371)	2:82:B:ILE:HG23	2:12:A:MET:HE1	2	1.62
(1,6156)	2:36:A:GLU:HB2	2:37:A:LEU:HD21	14	1.61
(1,6101)	2:38:B:LEU:HD21	2:35:B:LYS:H	17	1.61
(1,6030)	2:42:A:LEU:HD12	2:29:A:LEU:HD22	15	1.61
(1,4907)	1:1918:C:LYS:H	1:1922:C:ARG:HB3	12	1.61
(1,4752)	2:58:A:LEU:H	1:1898:C:ARG:HD3	8	1.61
(1,4189)	2:42:B:LEU:HD12	1:1928:C:PHE:HD1	3	1.61
(1,1069)	2:59:B:MET:HE3	2:62:B:LEU:HD11	9	1.61
(1,1069)	2:59:B:MET:HE3	2:62:B:LEU:HD11	11	1.61
(1,6618)	2:2:A:ALA:HA	2:7:B:LYS:HE2	4	1.6
(1,6451)	2:12:A:MET:HE1	2:5:B:LEU:HD13	12	1.6
(1,6182)	2:34:A:LEU:HD22	2:59:A:MET:HB2	5	1.6
(1,6156)	2:36:A:GLU:HB2	2:37:A:LEU:HD23	6	1.6
(1,6101)	2:38:B:LEU:HD21	2:35:B:LYS:H	16	1.6
(1,6030)	2:42:A:LEU:HD12	2:29:A:LEU:HD21	9	1.6
(1,5908)	2:29:A:LEU:HD21	2:22:A:LYS:H	20	1.6
(1,4907)	1:1918:C:LYS:H	1:1910:C:MET:HG3	14	1.6
(1,5758)	2:84:B:MET:HE1	2:73:A:GLN:H	5	1.59
(1,1000)	2:60:B:SER:HB2	2:59:B:MET:HE1	1	1.59
(1,6951)	2:82:B:ILE:H	1:1917:C:LEU:HD13	9	1.58
(1,6185)	2:34:A:LEU:HD23	2:5:B:LEU:HD23	1	1.58
(1,6182)	2:34:A:LEU:HD23	2:36:A:GLU:HB3	2	1.58
(1,5780)	2:82:A:ILE:HD12	2:42:A:LEU:HD13	15	1.58
(1,5779)	2:82:A:ILE:HG22	2:42:A:LEU:HD13	6	1.58
(1,1657)	2:39:B:THR:HG22	2:40:B:ARG:HD2	8	1.58
(1,1483)	2:46:A:LEU:HD21	1:1897:C:GLN:HG2	2	1.58
(1,1069)	2:59:B:MET:HE1	2:62:B:LEU:HD11	5	1.58
(1,6618)	2:2:B:ALA:HA	2:7:B:LYS:HE3	6	1.57
(1,6101)	2:38:B:LEU:HD23	2:35:B:LYS:H	6	1.57
(1,6052)	2:42:B:LEU:HD11	2:45:B:PHE:HZ	15	1.57
(1,6030)	2:42:A:LEU:HD12	2:29:A:LEU:HD23	13	1.57
(1,5364)	1:1917:C:LEU:HD21	1:1920:C:LYS:HG3	9	1.57
(1,5364)	1:1917:C:LEU:HD22	1:1920:C:LYS:HG3	9	1.57
(1,5364)	1:1917:C:LEU:HD23	1:1920:C:LYS:HG3	9	1.57
(1,4907)	1:1918:C:LYS:H	1:1922:C:ARG:HB3	4	1.57
(1,514)	2:79:B:LEU:HD12	2:15:B:THR:HG23	15	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6451)	2:12:A:MET:HE1	2:5:B:LEU:HD11	1	1.56
(1,6239)	2:29:A:LEU:HD13	2:59:A:MET:HE3	16	1.56
(1,6156)	2:36:A:GLU:HB2	2:37:A:LEU:HD21	5	1.56
(1,5779)	2:82:A:ILE:HG22	2:42:A:LEU:HD13	11	1.56
(1,6618)	2:2:B:ALA:HA	2:7:B:LYS:HE2	9	1.55
(1,6451)	2:12:A:MET:HE1	2:5:B:LEU:HD13	17	1.55
(1,6156)	2:36:A:GLU:HB2	2:37:A:LEU:HD23	4	1.55
(1,6052)	2:42:B:LEU:HD13	2:45:B:PHE:HZ	5	1.55
(1,5364)	1:1917:C:LEU:HD21	1:1920:C:LYS:HG3	19	1.55
(1,5364)	1:1917:C:LEU:HD22	1:1920:C:LYS:HG3	19	1.55
(1,5364)	1:1917:C:LEU:HD23	1:1920:C:LYS:HG3	19	1.55
(1,5360)	1:1917:C:LEU:HD21	1:1918:C:LYS:HE2	19	1.55
(1,5360)	1:1917:C:LEU:HD22	1:1918:C:LYS:HE2	19	1.55
(1,5360)	1:1917:C:LEU:HD23	1:1918:C:LYS:HE2	19	1.55
(1,1468)	2:46:A:LEU:HD12	1:1897:C:GLN:HE22	17	1.55
(1,371)	2:82:B:ILE:HG22	2:12:A:MET:HE2	9	1.55
(1,6451)	2:12:A:MET:HE3	2:5:B:LEU:HD11	19	1.54
(1,6182)	2:34:A:LEU:HD23	2:59:A:MET:HB2	18	1.54
(1,6052)	2:42:B:LEU:HD12	1:1928:C:PHE:HZ	8	1.54
(1,6052)	2:42:B:LEU:HD13	2:45:B:PHE:HZ	12	1.54
(1,5779)	2:82:A:ILE:HG22	2:42:A:LEU:HD13	1	1.54
(1,1069)	2:59:B:MET:HE1	2:62:B:LEU:HD11	14	1.54
(1,6451)	2:12:A:MET:HE1	2:5:B:LEU:HD11	8	1.53
(1,6182)	2:34:A:LEU:HD22	2:59:A:MET:HB2	1	1.53
(1,6182)	2:34:A:LEU:HD23	2:59:A:MET:HB2	6	1.53
(1,6156)	2:36:A:GLU:HB3	2:37:A:LEU:HD21	11	1.53
(1,6156)	2:36:A:GLU:HB3	2:37:A:LEU:HD23	13	1.53
(1,6072)	2:39:B:THR:HG23	2:36:B:GLU:HB3	2	1.53
(1,6052)	2:42:B:LEU:HD12	1:1928:C:PHE:HZ	7	1.53
(1,4907)	1:1918:C:LYS:H	1:1910:C:MET:HG3	17	1.53
(1,514)	2:79:B:LEU:HD12	2:15:B:THR:HG21	14	1.53
(1,5908)	2:29:A:LEU:HD21	2:22:A:LYS:H	1	1.52
(1,5908)	2:29:A:LEU:HD21	2:55:A:PHE:HE2	5	1.52
(1,5779)	2:82:A:ILE:HG22	2:42:A:LEU:HD13	16	1.52
(1,5364)	1:1917:C:LEU:HD21	1:1920:C:LYS:HG3	13	1.52
(1,5364)	1:1917:C:LEU:HD22	1:1920:C:LYS:HG3	13	1.52
(1,5364)	1:1917:C:LEU:HD23	1:1920:C:LYS:HG3	13	1.52
(1,1657)	2:39:B:THR:HG21	2:40:B:ARG:HD2	1	1.52
(1,1483)	2:46:A:LEU:HD21	1:1897:C:GLN:HG2	13	1.52
(1,1069)	2:59:B:MET:HE1	2:62:B:LEU:HD11	1	1.52
(1,1069)	2:59:B:MET:HE1	2:62:B:LEU:HD11	10	1.52
(1,1069)	2:59:B:MET:HE1	2:62:B:LEU:HD11	13	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1069)	2:59:B:MET:HE3	2:62:B:LEU:HD11	18	1.52
(1,371)	2:82:B:ILE:HG23	2:12:A:MET:HE2	3	1.52
(1,371)	2:82:B:ILE:HG23	2:12:A:MET:HE1	4	1.52
(1,6300)	2:26:B:LYS:HD2	2:27:B:PHE:HD2	12	1.51
(1,6101)	2:38:B:LEU:HD22	2:35:B:LYS:H	8	1.51
(1,5620)	1:1903:C:ALA:HB3	1:1898:C:ARG:HD3	4	1.51
(1,4907)	1:1918:C:LYS:H	1:1922:C:ARG:HB3	3	1.51
(1,6992)	2:27:B:PHE:HE2	2:26:B:LYS:HE2	13	1.5
(1,6247)	2:29:B:LEU:HD22	2:30:B:ASN:HD22	7	1.5
(1,6182)	2:34:A:LEU:HD22	2:59:A:MET:HB2	11	1.5
(1,6052)	2:42:B:LEU:HD11	2:45:B:PHE:HZ	2	1.5
(1,6052)	2:42:B:LEU:HD11	2:45:B:PHE:HZ	16	1.5
(1,6052)	2:42:B:LEU:HD11	2:45:B:PHE:HZ	18	1.5
(1,6052)	2:42:B:LEU:HD11	2:45:B:PHE:HZ	20	1.5
(1,5987)	2:54:B:ALA:HB3	1:1926:C:LEU:HD21	7	1.5
(1,5908)	2:29:A:LEU:HD22	2:22:A:LYS:H	9	1.5
(1,5779)	2:82:A:ILE:HG22	2:42:A:LEU:HD13	20	1.5
(1,4907)	1:1918:C:LYS:H	1:1910:C:MET:HG3	13	1.5
(1,4189)	2:42:B:LEU:HD12	1:1928:C:PHE:HD2	9	1.5
(1,2876)	2:47:A:GLY:H	1:1897:C:GLN:HE22	10	1.5
(1,1657)	2:39:B:THR:HG22	2:40:B:ARG:HD2	18	1.5
(1,1468)	2:46:A:LEU:HD12	1:1897:C:GLN:HE22	9	1.5
(1,1069)	2:59:B:MET:HE3	2:62:B:LEU:HD11	15	1.5
(1,6182)	2:34:A:LEU:HD23	2:59:A:MET:HB2	15	1.49
(1,6052)	2:42:B:LEU:HD13	2:45:B:PHE:HZ	1	1.49
(1,5987)	2:54:A:ALA:HB1	2:58:A:LEU:HD11	8	1.49
(1,5908)	2:29:A:LEU:HD23	2:55:A:PHE:HE2	13	1.49
(1,5780)	2:82:A:ILE:HD12	2:42:A:LEU:HD13	20	1.49
(1,5779)	2:82:A:ILE:HG22	2:42:A:LEU:HD13	10	1.49
(1,5779)	2:82:A:ILE:HG22	2:42:A:LEU:HD13	12	1.49
(1,5364)	1:1917:C:LEU:HD21	1:1920:C:LYS:HG3	10	1.49
(1,5364)	1:1917:C:LEU:HD22	1:1920:C:LYS:HG3	10	1.49
(1,5364)	1:1917:C:LEU:HD23	1:1920:C:LYS:HG3	10	1.49
(1,4720)	2:82:A:ILE:HG21	1:1900:C:LEU:HB2	2	1.49
(1,6459)	2:12:A:MET:HE2	2:78:B:PHE:HD2	7	1.48
(1,6459)	2:12:A:MET:HE2	2:78:B:PHE:HD1	10	1.48
(1,6247)	2:29:B:LEU:HD21	2:30:B:ASN:HD22	16	1.48
(1,6072)	2:39:B:THR:HG22	2:36:B:GLU:HB3	13	1.48
(1,6072)	2:39:B:THR:HG21	2:36:B:GLU:HB3	20	1.48
(1,6030)	2:42:A:LEU:HD12	2:29:A:LEU:HD22	8	1.48
(1,1000)	2:60:B:SER:HB2	2:59:B:MET:HE1	11	1.48
(1,6968)	2:17:A:HIS:H	2:26:A:LYS:HE2	4	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6618)	2:2:B:ALA:HA	2:7:B:LYS:HE3	8	1.47
(1,6591)	2:5:B:LEU:HD21	2:12:A:MET:HE1	15	1.47
(1,6451)	2:12:A:MET:HE1	2:5:B:LEU:HD11	3	1.47
(1,6434)	2:12:B:MET:HE1	2:9:A:LEU:HD22	15	1.47
(1,6185)	2:34:A:LEU:HD21	2:5:B:LEU:HD23	12	1.47
(1,6185)	2:34:A:LEU:HD21	2:5:B:LEU:HD23	18	1.47
(1,6156)	2:36:A:GLU:HB2	2:37:A:LEU:HD22	12	1.47
(1,6101)	2:38:B:LEU:HD23	2:35:B:LYS:H	14	1.47
(1,6052)	2:42:B:LEU:HD11	2:45:B:PHE:HZ	3	1.47
(1,4571)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD21	9	1.47
(1,4571)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD22	9	1.47
(1,4571)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD23	9	1.47
(1,4533)	1:1923:C:ARG:HB3	1:1920:C:LYS:HA	2	1.47
(1,4189)	2:42:B:LEU:HD12	1:1928:C:PHE:HD1	5	1.47
(1,1069)	2:59:B:MET:HE1	2:62:B:LEU:HD11	19	1.47
(1,6185)	2:34:A:LEU:HD21	2:5:B:LEU:HD23	16	1.46
(1,6101)	2:38:B:LEU:HD21	2:35:B:LYS:H	20	1.46
(1,6072)	2:39:B:THR:HG23	2:36:B:GLU:HB3	15	1.46
(1,6052)	2:42:B:LEU:HD11	2:45:B:PHE:HZ	6	1.46
(1,6010)	2:49:B:ARG:HD2	2:35:B:LYS:HD2	17	1.46
(1,4907)	1:1918:C:LYS:H	1:1910:C:MET:HG3	15	1.46
(1,1073)	2:59:B:MET:HE3	2:34:B:LEU:HD22	20	1.46
(1,6947)	2:80:B:SER:H	1:1914:C:VAL:HG12	13	1.45
(1,6459)	2:12:A:MET:HE2	2:78:B:PHE:HD2	2	1.45
(1,6052)	2:42:B:LEU:HD11	2:45:B:PHE:HZ	11	1.45
(1,5908)	2:29:A:LEU:HD23	2:22:A:LYS:H	14	1.45
(1,5758)	2:84:B:MET:HE1	2:73:A:GLN:H	18	1.45
(1,5364)	1:1917:C:LEU:HD21	1:1920:C:LYS:HG3	20	1.45
(1,5364)	1:1917:C:LEU:HD22	1:1920:C:LYS:HG3	20	1.45
(1,5364)	1:1917:C:LEU:HD23	1:1920:C:LYS:HG3	20	1.45
(1,4720)	2:82:A:ILE:HG21	1:1900:C:LEU:HB2	14	1.45
(1,4571)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD21	19	1.45
(1,4571)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD22	19	1.45
(1,4571)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD23	19	1.45
(1,6101)	2:38:B:LEU:HD22	2:35:B:LYS:H	13	1.44
(1,4720)	2:82:A:ILE:HG21	1:1900:C:LEU:HB2	5	1.44
(1,6451)	2:12:A:MET:HE3	2:5:B:LEU:HD13	2	1.43
(1,6434)	2:12:B:MET:HE3	2:9:A:LEU:HD21	4	1.43
(1,6182)	2:34:A:LEU:HD22	2:59:A:MET:HB2	4	1.43
(1,6101)	2:38:B:LEU:HD22	2:35:B:LYS:H	4	1.43
(1,6072)	2:39:B:THR:HG23	2:36:B:GLU:HB3	8	1.43
(1,6072)	2:39:B:THR:HG21	2:36:B:GLU:HB3	11	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6051)	2:42:B:LEU:HD12	1:1928:C:PHE:HB2	2	1.43
(1,5779)	2:82:A:ILE:HG22	2:42:A:LEU:HD12	4	1.43
(1,1657)	2:39:B:THR:HG23	2:40:B:ARG:HD3	10	1.43
(1,6501)	2:11:A:VAL:HG23	2:16:A:PHE:HB2	14	1.42
(1,6247)	2:29:B:LEU:HD22	2:30:B:ASN:HD22	19	1.42
(1,6247)	2:29:B:LEU:HD21	2:30:B:ASN:HD22	20	1.42
(1,6185)	2:34:A:LEU:HD21	2:5:B:LEU:HD23	15	1.42
(1,6101)	2:38:B:LEU:HD21	2:35:B:LYS:H	1	1.42
(1,6101)	2:38:B:LEU:HD22	2:35:B:LYS:H	15	1.42
(1,6042)	2:42:A:LEU:HD13	2:8:B:ALA:H	13	1.42
(1,6010)	2:49:B:ARG:HD2	2:54:B:ALA:HB2	8	1.42
(1,5780)	2:82:A:ILE:HD12	2:42:A:LEU:HD13	6	1.42
(1,4720)	2:82:A:ILE:HG21	1:1900:C:LEU:HB2	12	1.42
(1,4571)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD21	13	1.42
(1,4571)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD22	13	1.42
(1,4571)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD23	13	1.42
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG21	5	1.42
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG22	5	1.42
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG23	5	1.42
(1,1820)	2:36:B:GLU:HB3	2:15:B:THR:HG23	14	1.42
(1,1483)	2:46:A:LEU:HD22	1:1897:C:GLN:HG2	4	1.42
(1,1483)	2:46:A:LEU:HD22	1:1897:C:GLN:HG2	17	1.42
(1,1069)	2:59:B:MET:HE1	2:62:B:LEU:HD11	6	1.42
(1,371)	2:82:B:ILE:HG22	2:12:A:MET:HE2	18	1.42
(1,6247)	2:29:B:LEU:HD21	2:30:B:ASN:HD22	1	1.41
(1,6052)	2:42:B:LEU:HD11	2:45:B:PHE:HZ	10	1.41
(1,6051)	2:42:B:LEU:HD12	2:45:B:PHE:HB3	11	1.41
(1,6051)	2:42:B:LEU:HD12	2:45:B:PHE:HB3	13	1.41
(1,5786)	2:82:B:ILE:HD11	2:80:B:SER:H	15	1.41
(1,5780)	2:82:A:ILE:HD13	2:42:A:LEU:HD13	1	1.41
(1,5758)	2:84:B:MET:HE1	2:73:A:GLN:H	16	1.41
(1,4164)	2:54:B:ALA:HB3	1:1928:C:PHE:HD2	9	1.41
(1,1820)	2:36:B:GLU:HB3	2:15:B:THR:HG22	3	1.41
(1,1657)	2:39:B:THR:HG22	2:40:B:ARG:HD2	2	1.41
(1,1657)	2:39:B:THR:HG21	2:40:B:ARG:HD2	4	1.41
(1,1303)	2:54:B:ALA:HB3	1:1928:C:PHE:HD2	9	1.41
(1,1073)	2:59:B:MET:HE3	2:34:B:LEU:HD21	1	1.41
(1,1000)	2:60:B:SER:HB2	2:59:B:MET:HE1	4	1.41
(1,514)	2:79:B:LEU:HD12	2:15:B:THR:HG23	19	1.41
(1,371)	2:82:B:ILE:HG22	2:12:A:MET:HE2	7	1.41
(1,126)	2:85:A:MET:HE2	1:1898:C:ARG:H	11	1.41
(1,6947)	2:80:B:SER:H	1:1914:C:VAL:HG12	19	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6247)	2:29:B:LEU:HD23	2:30:B:ASN:HD22	6	1.4
(1,6052)	2:42:B:LEU:HD11	2:45:B:PHE:HZ	17	1.4
(1,6042)	2:42:A:LEU:HD13	2:8:B:ALA:H	1	1.4
(1,6030)	2:42:A:LEU:HD12	2:29:A:LEU:HD22	6	1.4
(1,5908)	2:29:A:LEU:HD23	2:55:A:PHE:HE2	6	1.4
(1,5780)	2:82:A:ILE:HD12	2:42:A:LEU:HD13	11	1.4
(1,5779)	2:82:A:ILE:HG22	2:42:A:LEU:HD13	2	1.4
(1,5779)	2:82:A:ILE:HG22	2:42:A:LEU:HD13	7	1.4
(1,1657)	2:39:B:THR:HG23	2:40:B:ARG:HD2	7	1.4
(1,6434)	2:12:B:MET:HE1	2:9:A:LEU:HD23	11	1.39
(1,6301)	2:26:B:LYS:HD3	2:27:B:PHE:HE2	13	1.39
(1,6185)	2:34:A:LEU:HD21	2:5:B:LEU:HD22	10	1.39
(1,5780)	2:82:A:ILE:HD12	2:42:A:LEU:HD13	10	1.39
(1,5758)	2:84:B:MET:HE1	2:73:A:GLN:H	2	1.39
(1,5758)	2:84:B:MET:HE1	2:73:A:GLN:H	3	1.39
(1,4907)	1:1918:C:LYS:H	1:1910:C:MET:HG3	2	1.39
(1,4907)	1:1918:C:LYS:H	1:1910:C:MET:HG3	5	1.39
(1,4571)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD21	10	1.39
(1,4571)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD22	10	1.39
(1,4571)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD23	10	1.39
(1,137)	2:85:A:MET:HE1	2:9:B:LEU:HD22	13	1.39
(1,6591)	2:5:B:LEU:HD21	2:12:A:MET:HE1	18	1.38
(1,6482)	2:11:B:VAL:HG13	2:7:B:LYS:HE3	11	1.38
(1,6374)	2:19:B:TYR:HA	2:22:B:LYS:HE3	17	1.38
(1,6072)	2:39:B:THR:HG23	2:36:B:GLU:HB3	18	1.38
(1,6042)	2:42:A:LEU:HD13	2:8:B:ALA:H	16	1.38
(1,5908)	2:29:A:LEU:HD22	2:22:A:LYS:H	7	1.38
(1,5779)	2:82:A:ILE:HG22	2:42:A:LEU:HD13	13	1.38
(1,5758)	2:84:B:MET:HE1	2:73:A:GLN:H	17	1.38
(1,4752)	2:58:A:LEU:H	1:1898:C:ARG:HD3	13	1.38
(1,1820)	2:36:B:GLU:HB3	2:15:B:THR:HG21	11	1.38
(1,1657)	2:39:B:THR:HG21	2:40:B:ARG:HD2	13	1.38
(1,1069)	2:59:B:MET:HE3	2:62:B:LEU:HD11	3	1.38
(1,1000)	2:60:B:SER:HB2	2:59:B:MET:HE2	8	1.38
(1,371)	2:82:B:ILE:HG23	2:12:A:MET:HE2	14	1.38
(1,137)	2:85:A:MET:HE1	2:9:B:LEU:HD23	18	1.38
(1,6992)	2:27:B:PHE:HE2	2:26:B:LYS:HE2	12	1.37
(1,6947)	2:80:B:SER:H	1:1914:C:VAL:HG11	10	1.37
(1,6591)	2:5:B:LEU:HD21	2:12:A:MET:HE1	14	1.37
(1,6451)	2:12:A:MET:HE3	2:5:B:LEU:HD11	4	1.37
(1,6434)	2:12:B:MET:HE1	2:9:A:LEU:HD21	9	1.37
(1,6247)	2:29:B:LEU:HD23	2:30:B:ASN:HD22	3	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6247)	2:29:B:LEU:HD23	2:30:B:ASN:HD22	8	1.37
(1,6101)	2:38:B:LEU:HD22	2:35:B:LYS:H	10	1.37
(1,6101)	2:38:B:LEU:HD22	2:35:B:LYS:H	11	1.37
(1,6052)	2:42:B:LEU:HD12	1:1928:C:PHE:HZ	9	1.37
(1,5822)	2:77:A:VAL:HG12	2:73:A:GLN:HE22	10	1.37
(1,5786)	2:82:B:ILE:HD13	2:80:B:SER:H	10	1.37
(1,5758)	2:84:B:MET:HE1	2:73:A:GLN:H	4	1.37
(1,1820)	2:36:B:GLU:HB3	2:15:B:THR:HG21	18	1.37
(1,983)	2:61:B:ASN:HB3	1:1917:C:LEU:HD21	13	1.37
(1,983)	2:61:B:ASN:HB3	1:1917:C:LEU:HD22	13	1.37
(1,983)	2:61:B:ASN:HB3	1:1917:C:LEU:HD23	13	1.37
(1,6824)	2:73:A:GLN:H	2:75:A:TYR:HD1	18	1.36
(1,6434)	2:12:B:MET:HE3	2:9:A:LEU:HD22	19	1.36
(1,6247)	2:29:B:LEU:HD21	2:30:B:ASN:HD22	13	1.36
(1,6185)	2:34:A:LEU:HD23	2:5:B:LEU:HD23	7	1.36
(1,6135)	2:37:A:LEU:HD12	2:41:A:GLU:HB2	1	1.36
(1,6042)	2:42:A:LEU:HD13	2:8:B:ALA:H	2	1.36
(1,6030)	2:42:A:LEU:HD12	2:29:A:LEU:HD23	16	1.36
(1,5836)	2:77:B:VAL:HG13	2:79:B:LEU:HA	6	1.36
(1,4752)	2:58:A:LEU:H	1:1898:C:ARG:HD3	5	1.36
(1,4589)	1:1918:C:LYS:HD2	1:1915:C:SER:HB2	6	1.36
(1,4189)	2:42:B:LEU:HD12	1:1928:C:PHE:HD1	19	1.36
(1,1820)	2:36:B:GLU:HB3	2:15:B:THR:HG22	8	1.36
(1,1657)	2:39:B:THR:HG22	2:40:B:ARG:HD2	9	1.36
(1,1000)	2:60:B:SER:HB3	2:59:B:MET:HE2	12	1.36
(1,514)	2:79:B:LEU:HD12	2:15:B:THR:HG21	4	1.36
(1,6591)	2:5:B:LEU:HD21	2:12:A:MET:HE1	1	1.35
(1,6434)	2:12:B:MET:HE1	2:9:A:LEU:HD22	8	1.35
(1,6247)	2:29:B:LEU:HD23	2:30:B:ASN:HD22	14	1.35
(1,6072)	2:39:B:THR:HG21	2:36:B:GLU:HB3	10	1.35
(1,6052)	2:42:B:LEU:HD11	2:45:B:PHE:HZ	13	1.35
(1,6042)	2:42:A:LEU:HD13	2:8:B:ALA:H	3	1.35
(1,5908)	2:29:A:LEU:HD21	2:22:A:LYS:H	12	1.35
(1,5908)	2:29:A:LEU:HD23	2:22:A:LYS:H	17	1.35
(1,5779)	2:82:A:ILE:HG22	2:42:A:LEU:HD13	17	1.35
(1,4571)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD21	20	1.35
(1,4571)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD22	20	1.35
(1,4571)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD23	20	1.35
(1,1069)	2:59:B:MET:HE1	2:62:B:LEU:HD11	12	1.35
(1,202)	2:84:A:MET:HE1	2:77:B:VAL:HG12	13	1.35
(1,202)	2:84:A:MET:HE1	2:77:B:VAL:HG12	19	1.35
(1,6947)	2:80:B:SER:H	1:1917:C:LEU:HD13	20	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6451)	2:12:A:MET:HE3	2:5:B:LEU:HD13	5	1.34
(1,6434)	2:12:B:MET:HE1	2:9:A:LEU:HD23	3	1.34
(1,6434)	2:12:B:MET:HE1	2:9:A:LEU:HD21	7	1.34
(1,6182)	2:34:A:LEU:HD23	2:59:A:MET:HB2	10	1.34
(1,6152)	2:37:B:LEU:HD23	2:19:B:TYR:HE2	14	1.34
(1,6101)	2:38:B:LEU:HD22	2:35:B:LYS:H	9	1.34
(1,5980)	2:56:A:GLN:HG3	2:55:A:PHE:HB3	8	1.34
(1,5908)	2:29:A:LEU:HD23	2:22:A:LYS:H	18	1.34
(1,5780)	2:82:A:ILE:HD12	2:42:A:LEU:HD13	18	1.34
(1,5746)	2:85:B:MET:HE3	2:78:B:PHE:HE2	17	1.34
(1,4189)	2:42:B:LEU:HD12	1:1928:C:PHE:HD1	14	1.34
(1,1820)	2:36:B:GLU:HB3	2:15:B:THR:HG23	4	1.34
(1,1820)	2:36:B:GLU:HB3	2:15:B:THR:HG22	15	1.34
(1,371)	2:82:B:ILE:HG23	2:12:A:MET:HE2	11	1.34
(1,6824)	2:73:A:GLN:H	2:75:A:TYR:HD2	7	1.33
(1,6591)	2:5:B:LEU:HD23	2:12:A:MET:HE3	4	1.33
(1,6591)	2:5:B:LEU:HD21	2:12:A:MET:HE1	8	1.33
(1,6543)	2:8:B:ALA:HB1	2:10:B:ASP:HB2	12	1.33
(1,6451)	2:12:A:MET:HE1	2:5:B:LEU:HD21	7	1.33
(1,6434)	2:12:B:MET:HE1	2:9:A:LEU:HD22	12	1.33
(1,6434)	2:12:B:MET:HE1	2:9:A:LEU:HD22	17	1.33
(1,6247)	2:29:B:LEU:HD23	2:30:B:ASN:HD22	18	1.33
(1,6135)	2:37:B:LEU:HD11	2:41:B:GLU:HB2	17	1.33
(1,6074)	2:39:B:THR:HG21	2:40:B:ARG:HA	10	1.33
(1,6072)	2:39:B:THR:HG21	2:36:B:GLU:HB3	16	1.33
(1,6042)	2:42:A:LEU:HD13	2:8:B:ALA:H	12	1.33
(1,5836)	2:77:B:VAL:HG13	2:79:B:LEU:HA	19	1.33
(1,5786)	2:82:B:ILE:HD13	2:80:B:SER:H	12	1.33
(1,5774)	2:83:B:ALA:HB1	2:82:B:ILE:HG12	12	1.33
(1,5774)	2:83:B:ALA:HB1	2:82:B:ILE:HG12	14	1.33
(1,1657)	2:39:B:THR:HG22	2:40:B:ARG:HD3	14	1.33
(1,1069)	2:59:B:MET:HE3	2:62:B:LEU:HD11	7	1.33
(1,371)	2:82:B:ILE:HG23	2:12:A:MET:HE1	19	1.33
(1,6501)	2:11:A:VAL:HG22	2:16:A:PHE:HB2	11	1.32
(1,6501)	2:11:A:VAL:HG21	2:16:A:PHE:HB2	18	1.32
(1,6434)	2:12:B:MET:HE3	2:9:A:LEU:HD23	10	1.32
(1,6434)	2:12:B:MET:HE1	2:9:A:LEU:HD23	14	1.32
(1,6434)	2:12:B:MET:HE1	2:9:A:LEU:HD22	18	1.32
(1,6135)	2:37:A:LEU:HD11	2:41:A:GLU:HB2	20	1.32
(1,6074)	2:39:B:THR:HG22	2:40:B:ARG:HA	3	1.32
(1,6042)	2:42:A:LEU:HD13	2:8:B:ALA:H	8	1.32
(1,5908)	2:29:A:LEU:HD23	2:22:A:LYS:H	15	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5758)	2:84:B:MET:HE1	2:73:A:GLN:H	13	1.32
(1,5758)	2:84:B:MET:HE1	2:73:A:GLN:H	19	1.32
(1,371)	2:82:B:ILE:HG21	2:12:A:MET:HE2	15	1.32
(1,6824)	2:73:A:GLN:H	2:75:A:TYR:HD2	1	1.31
(1,6667)	2:26:A:LYS:H	2:27:A:PHE:HD2	14	1.31
(1,6591)	2:5:B:LEU:HD23	2:12:A:MET:HE1	11	1.31
(1,6501)	2:11:A:VAL:HG21	2:16:A:PHE:HB2	15	1.31
(1,6247)	2:29:B:LEU:HD22	2:30:B:ASN:HD22	9	1.31
(1,6156)	2:36:A:GLU:HB3	2:37:A:LEU:HD21	16	1.31
(1,6101)	2:38:B:LEU:HD23	2:35:B:LYS:H	18	1.31
(1,6052)	2:42:B:LEU:HD12	1:1928:C:PHE:HZ	14	1.31
(1,6051)	2:42:B:LEU:HD12	2:45:B:PHE:HB3	3	1.31
(1,6042)	2:42:A:LEU:HD13	2:8:B:ALA:H	5	1.31
(1,5780)	2:82:A:ILE:HD11	2:42:A:LEU:HD13	2	1.31
(1,5747)	2:85:B:MET:HE3	2:45:B:PHE:HE1	14	1.31
(1,5026)	1:1907:C:ALA:H	2:85:A:MET:HB2	9	1.31
(1,4907)	1:1918:C:LYS:H	1:1910:C:MET:HG3	20	1.31
(1,4723)	2:82:A:ILE:HD11	1:1900:C:LEU:HB2	4	1.31
(1,4720)	2:82:A:ILE:HG21	1:1900:C:LEU:HB2	17	1.31
(1,1000)	2:60:B:SER:HB3	2:59:B:MET:HE1	3	1.31
(1,783)	2:70:B:VAL:HG13	2:62:B:LEU:HD22	16	1.31
(1,202)	2:84:A:MET:HE1	2:77:B:VAL:HG11	18	1.31
(1,6434)	2:12:B:MET:HE1	2:9:A:LEU:HD23	1	1.3
(1,6434)	2:12:B:MET:HE3	2:9:A:LEU:HD21	5	1.3
(1,6156)	2:36:A:GLU:HB3	2:37:A:LEU:HD23	17	1.3
(1,6074)	2:39:B:THR:HG23	2:40:B:ARG:HA	9	1.3
(1,6074)	2:39:B:THR:HG21	2:40:B:ARG:HA	11	1.3
(1,6072)	2:39:B:THR:HG22	2:36:B:GLU:HB3	1	1.3
(1,6051)	2:42:B:LEU:HD12	2:45:B:PHE:HB3	17	1.3
(1,6042)	2:42:A:LEU:HD13	2:8:B:ALA:H	18	1.3
(1,5780)	2:82:A:ILE:HD12	2:42:A:LEU:HD13	3	1.3
(1,5758)	2:84:B:MET:HE1	2:73:A:GLN:H	8	1.3
(1,4879)	1:1920:C:LYS:H	1:1926:C:LEU:HG	14	1.3
(1,1820)	2:36:B:GLU:HB3	2:15:B:THR:HG21	10	1.3
(1,202)	2:84:A:MET:HE1	2:77:B:VAL:HG12	6	1.3
(1,6947)	2:80:B:SER:H	1:1914:C:VAL:HG11	9	1.29
(1,6451)	2:12:A:MET:HE3	2:5:B:LEU:HD13	10	1.29
(1,6247)	2:29:B:LEU:HD21	2:30:B:ASN:HD22	12	1.29
(1,6185)	2:34:A:LEU:HD21	2:5:B:LEU:HD23	20	1.29
(1,6156)	2:36:A:GLU:HB3	2:37:A:LEU:HD22	8	1.29
(1,6101)	2:38:B:LEU:HD21	2:35:B:LYS:H	7	1.29
(1,6074)	2:39:A:THR:HG21	2:50:A:THR:HA	8	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6074)	2:39:B:THR:HG22	2:40:B:ARG:HA	19	1.29
(1,6051)	2:42:B:LEU:HD12	2:45:B:PHE:HB3	6	1.29
(1,4720)	2:82:A:ILE:HG21	1:1900:C:LEU:HB2	16	1.29
(1,1103)	2:59:B:MET:HE2	2:67:B:ASP:H	9	1.29
(1,1073)	2:59:B:MET:HE3	2:34:B:LEU:HD22	10	1.29
(1,1000)	2:60:B:SER:HB2	2:59:B:MET:HE2	16	1.29
(1,202)	2:84:A:MET:HE1	2:77:B:VAL:HG11	10	1.29
(1,6824)	2:73:A:GLN:H	2:72:A:PHE:HZ	2	1.28
(1,6591)	2:5:B:LEU:HD22	2:12:A:MET:HE3	19	1.28
(1,6543)	2:8:B:ALA:HB2	2:10:B:ASP:HB2	16	1.28
(1,6451)	2:12:A:MET:HE1	2:5:B:LEU:HD11	20	1.28
(1,6247)	2:29:B:LEU:HD23	2:30:B:ASN:HD22	15	1.28
(1,6156)	2:36:A:GLU:HB3	2:37:A:LEU:HD21	1	1.28
(1,6101)	2:38:B:LEU:HD23	2:35:B:LYS:H	3	1.28
(1,6101)	2:38:B:LEU:HD23	2:35:B:LYS:H	19	1.28
(1,6074)	2:39:B:THR:HG22	2:40:B:ARG:HA	1	1.28
(1,6074)	2:39:B:THR:HG22	2:40:B:ARG:HA	13	1.28
(1,6051)	2:42:B:LEU:HD12	2:45:B:PHE:HB3	18	1.28
(1,6019)	2:46:A:LEU:HD23	2:55:A:PHE:HA	6	1.28
(1,6001)	2:22:A:LYS:HE2	2:20:A:SER:H	3	1.28
(1,5836)	2:77:B:VAL:HG11	2:79:B:LEU:HA	5	1.28
(1,5786)	2:82:B:ILE:HD13	2:80:B:SER:H	6	1.28
(1,5780)	2:82:A:ILE:HD13	2:42:A:LEU:HD12	4	1.28
(1,5758)	2:84:B:MET:HE1	2:73:A:GLN:H	10	1.28
(1,5128)	1:1934:C:MET:HE1	2:6:A:GLU:HA	4	1.28
(1,1820)	2:36:B:GLU:HB3	2:15:B:THR:HG22	17	1.28
(1,1073)	2:59:B:MET:HE1	2:34:B:LEU:HD22	13	1.28
(1,514)	2:79:B:LEU:HD12	2:15:B:THR:HG21	6	1.28
(1,6824)	2:73:A:GLN:H	2:75:A:TYR:HD2	14	1.27
(1,6667)	2:26:A:LYS:H	2:27:A:PHE:HD2	16	1.27
(1,6591)	2:5:B:LEU:HD21	2:12:A:MET:HE1	12	1.27
(1,6543)	2:8:B:ALA:HB1	2:10:B:ASP:HB2	13	1.27
(1,6434)	2:12:B:MET:HE1	2:9:A:LEU:HD22	20	1.27
(1,6415)	2:13:A:VAL:HG11	2:72:A:PHE:HA	18	1.27
(1,6239)	2:29:A:LEU:HD11	2:59:A:MET:HE3	19	1.27
(1,6135)	2:37:B:LEU:HD13	2:41:B:GLU:HB2	7	1.27
(1,6072)	2:39:B:THR:HG23	2:36:B:GLU:HB3	9	1.27
(1,5908)	2:29:A:LEU:HD23	2:55:A:PHE:HE1	8	1.27
(1,5758)	2:84:B:MET:HE1	2:73:A:GLN:H	6	1.27
(1,5746)	2:85:B:MET:HE3	2:78:B:PHE:HE2	19	1.27
(1,5395)	1:1914:C:VAL:HG12	1:1912:C:ARG:HD2	12	1.27
(1,5098)	1:1935:C:ALA:HB1	1:1933:C:ARG:HD3	18	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5098)	1:1935:C:ALA:HB2	1:1933:C:ARG:HD3	18	1.27
(1,5098)	1:1935:C:ALA:HB3	1:1933:C:ARG:HD3	18	1.27
(1,4723)	2:82:A:ILE:HD11	1:1900:C:LEU:HB2	14	1.27
(1,1820)	2:36:B:GLU:HB3	2:15:B:THR:HG22	1	1.27
(1,1820)	2:36:B:GLU:HB3	2:15:B:THR:HG22	7	1.27
(1,137)	2:85:A:MET:HE3	2:9:B:LEU:HD22	14	1.27
(1,6442)	2:12:B:MET:HE3	2:75:B:TYR:HD1	7	1.26
(1,6434)	2:12:B:MET:HE1	2:9:A:LEU:HD22	16	1.26
(1,6239)	2:29:A:LEU:HD13	2:59:A:MET:HE1	10	1.26
(1,6098)	2:38:B:LEU:HD11	2:31:B:LYS:HA	5	1.26
(1,6051)	2:42:B:LEU:HD11	2:45:B:PHE:HB3	4	1.26
(1,6042)	2:42:A:LEU:HD13	2:8:B:ALA:H	17	1.26
(1,5908)	2:29:A:LEU:HD21	2:22:A:LYS:H	10	1.26
(1,5836)	2:77:B:VAL:HG12	2:79:B:LEU:HA	2	1.26
(1,5780)	2:82:A:ILE:HD12	2:42:A:LEU:HD13	12	1.26
(1,5780)	2:82:A:ILE:HD12	2:42:A:LEU:HD13	17	1.26
(1,5774)	2:83:B:ALA:HB1	2:82:B:ILE:HG12	17	1.26
(1,4720)	2:82:A:ILE:HG21	1:1900:C:LEU:HB2	4	1.26
(1,1820)	2:36:B:GLU:HB3	2:15:B:THR:HG21	9	1.26
(1,1073)	2:59:B:MET:HE3	2:34:B:LEU:HD22	6	1.26
(1,202)	2:84:A:MET:HE1	2:77:B:VAL:HG11	9	1.26
(1,6591)	2:5:B:LEU:HD21	2:12:A:MET:HE3	5	1.25
(1,6591)	2:5:B:LEU:HD23	2:12:A:MET:HE1	9	1.25
(1,6442)	2:12:B:MET:HE3	2:75:B:TYR:HD1	6	1.25
(1,6300)	2:26:B:LYS:HD2	2:27:B:PHE:HD2	13	1.25
(1,6247)	2:29:B:LEU:HD23	2:30:B:ASN:HD22	4	1.25
(1,6074)	2:39:B:THR:HG23	2:40:B:ARG:HA	5	1.25
(1,6074)	2:39:B:THR:HG22	2:40:B:ARG:HA	6	1.25
(1,6074)	2:39:B:THR:HG21	2:40:B:ARG:HA	7	1.25
(1,6042)	2:42:A:LEU:HD13	2:8:B:ALA:H	6	1.25
(1,5836)	2:77:B:VAL:HG12	2:79:B:LEU:HA	3	1.25
(1,5747)	2:85:B:MET:HE3	2:45:B:PHE:HE1	1	1.25
(1,4720)	2:82:A:ILE:HG21	1:1900:C:LEU:HB2	18	1.25
(1,1962)	2:34:B:LEU:HD23	2:62:B:LEU:HD22	9	1.25
(1,1044)	2:59:A:MET:HE2	2:59:A:MET:H	1	1.25
(1,1041)	2:59:A:MET:HE1	2:55:A:PHE:HD2	17	1.25
(1,514)	2:79:B:LEU:HD12	2:15:B:THR:HG22	18	1.25
(1,137)	2:85:A:MET:HE1	2:9:B:LEU:HD21	6	1.25
(1,137)	2:85:A:MET:HE1	2:9:B:LEU:HD21	17	1.25
(1,6968)	2:17:A:HIS:H	2:26:A:LYS:HE2	9	1.24
(1,6947)	2:80:B:SER:H	1:1917:C:LEU:HD11	14	1.24
(1,6824)	2:73:A:GLN:H	2:75:A:TYR:HD1	16	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6434)	2:12:B:MET:HE3	2:9:A:LEU:HD21	2	1.24
(1,6417)	2:13:A:VAL:HG22	2:91:B:GLU:HB2	9	1.24
(1,6185)	2:34:A:LEU:HD21	2:5:B:LEU:HD22	19	1.24
(1,6101)	2:38:B:LEU:HD23	2:35:B:LYS:H	2	1.24
(1,6074)	2:39:A:THR:HG22	2:40:A:ARG:HA	16	1.24
(1,6074)	2:39:A:THR:HG23	2:40:A:ARG:HA	17	1.24
(1,5959)	2:59:B:MET:HE2	2:60:B:SER:HB2	2	1.24
(1,5836)	2:77:B:VAL:HG12	2:79:B:LEU:HA	4	1.24
(1,5836)	2:77:B:VAL:HG13	2:79:B:LEU:HA	7	1.24
(1,5774)	2:83:B:ALA:HB1	2:82:B:ILE:HG12	8	1.24
(1,5774)	2:83:B:ALA:HB1	2:82:B:ILE:HG12	11	1.24
(1,4723)	2:82:A:ILE:HD11	1:1900:C:LEU:HB2	12	1.24
(1,4164)	2:54:B:ALA:HB3	1:1928:C:PHE:HD2	12	1.24
(1,4017)	2:38:B:LEU:HD21	1:1929:C:VAL:HG11	1	1.24
(1,4017)	2:38:B:LEU:HD21	1:1929:C:VAL:HG12	1	1.24
(1,4017)	2:38:B:LEU:HD21	1:1929:C:VAL:HG13	1	1.24
(1,1582)	2:42:B:LEU:HD12	2:82:B:ILE:HG23	1	1.24
(1,1403)	2:49:A:ARG:HA	2:54:A:ALA:HB1	12	1.24
(1,1303)	2:54:B:ALA:HB3	1:1928:C:PHE:HD2	12	1.24
(1,1000)	2:60:B:SER:HB2	2:59:B:MET:HE2	2	1.24
(1,514)	2:79:B:LEU:HD11	2:15:B:THR:HG23	11	1.24
(1,6624)	2:2:B:ALA:HB2	2:4:B:PRO:HB2	2	1.23
(1,6591)	2:5:B:LEU:HD23	2:12:A:MET:HE1	3	1.23
(1,6301)	2:26:A:LYS:HD3	2:27:A:PHE:HE2	16	1.23
(1,6301)	2:26:A:LYS:HD3	2:27:A:PHE:HE2	20	1.23
(1,6185)	2:34:A:LEU:HD23	2:5:B:LEU:HD23	8	1.23
(1,6156)	2:36:A:GLU:HB3	2:37:A:LEU:HD22	20	1.23
(1,6074)	2:39:B:THR:HG23	2:40:B:ARG:HA	4	1.23
(1,6072)	2:39:B:THR:HG22	2:36:B:GLU:HB3	3	1.23
(1,6052)	2:42:B:LEU:HD13	2:45:B:PHE:HZ	4	1.23
(1,5959)	2:59:B:MET:HE1	2:60:B:SER:HB3	18	1.23
(1,5908)	2:29:A:LEU:HD21	2:22:A:LYS:H	2	1.23
(1,5786)	2:82:B:ILE:HD13	2:80:B:SER:H	5	1.23
(1,5786)	2:82:B:ILE:HD13	2:80:B:SER:H	14	1.23
(1,5758)	2:84:B:MET:HE1	2:73:A:GLN:H	1	1.23
(1,5746)	2:85:B:MET:HE3	2:78:B:PHE:HE2	8	1.23
(1,4720)	2:82:A:ILE:HG21	1:1900:C:LEU:HB2	1	1.23
(1,4720)	2:82:A:ILE:HG21	1:1900:C:LEU:HB2	8	1.23
(1,1582)	2:42:B:LEU:HD13	2:82:B:ILE:HG21	18	1.23
(1,1069)	2:59:B:MET:HE1	2:62:B:LEU:HD11	2	1.23
(1,1044)	2:59:A:MET:HE2	2:59:A:MET:H	6	1.23
(1,1000)	2:60:B:SER:HB3	2:59:B:MET:HE1	18	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,371)	2:82:B:ILE:HG23	2:12:A:MET:HE2	17	1.23
(1,351)	2:82:B:ILE:HG23	2:81:B:CYS:H	12	1.23
(1,202)	2:84:A:MET:HE1	2:77:B:VAL:HG12	7	1.23
(1,6947)	2:80:B:SER:H	1:1917:C:LEU:HD13	7	1.22
(1,6442)	2:12:B:MET:HE3	2:75:B:TYR:HD1	20	1.22
(1,6434)	2:12:B:MET:HE1	2:9:A:LEU:HD23	6	1.22
(1,6247)	2:29:B:LEU:HD23	2:30:B:ASN:HD22	17	1.22
(1,6135)	2:37:B:LEU:HD12	2:41:B:GLU:HB2	9	1.22
(1,6074)	2:39:A:THR:HG21	2:50:A:THR:HA	15	1.22
(1,6074)	2:39:B:THR:HG21	2:40:B:ARG:HA	20	1.22
(1,6072)	2:39:B:THR:HG21	2:36:B:GLU:HB3	7	1.22
(1,5959)	2:59:B:MET:HE1	2:58:B:LEU:HA	4	1.22
(1,5927)	2:62:B:LEU:HD23	2:85:B:MET:HE1	16	1.22
(1,5836)	2:77:B:VAL:HG13	2:79:B:LEU:HA	13	1.22
(1,5780)	2:82:A:ILE:HD12	2:42:A:LEU:HD13	8	1.22
(1,5774)	2:83:B:ALA:HB1	2:82:B:ILE:HG12	7	1.22
(1,5774)	2:83:B:ALA:HB1	2:82:B:ILE:HG12	20	1.22
(1,5758)	2:84:B:MET:HE1	2:73:A:GLN:H	9	1.22
(1,5758)	2:84:B:MET:HE1	2:73:A:GLN:H	14	1.22
(1,4720)	2:82:A:ILE:HG21	1:1900:C:LEU:HB2	3	1.22
(1,4026)	2:82:B:ILE:HD12	1:1929:C:VAL:HG21	8	1.22
(1,4026)	2:82:B:ILE:HD12	1:1929:C:VAL:HG22	8	1.22
(1,4026)	2:82:B:ILE:HD12	1:1929:C:VAL:HG23	8	1.22
(1,1851)	2:35:A:LYS:HD2	2:55:A:PHE:HD1	16	1.22
(1,1820)	2:36:B:GLU:HB3	2:15:B:THR:HG22	5	1.22
(1,1820)	2:36:B:GLU:HB3	2:15:B:THR:HG22	19	1.22
(1,785)	2:70:B:VAL:HG22	2:29:B:LEU:HD11	14	1.22
(1,202)	2:84:A:MET:HE1	2:77:B:VAL:HG11	2	1.22
(1,202)	2:84:A:MET:HE1	2:77:B:VAL:HG11	15	1.22
(1,137)	2:85:A:MET:HE1	2:9:B:LEU:HD23	9	1.22
(1,6947)	2:80:B:SER:H	1:1917:C:LEU:HD12	11	1.21
(1,6824)	2:73:A:GLN:H	2:75:A:TYR:HD1	6	1.21
(1,6824)	2:73:A:GLN:H	2:75:A:TYR:HD1	9	1.21
(1,6824)	2:73:A:GLN:H	2:75:A:TYR:HD2	12	1.21
(1,6824)	2:73:A:GLN:H	2:75:A:TYR:HD2	20	1.21
(1,6591)	2:5:B:LEU:HD23	2:12:A:MET:HE1	17	1.21
(1,6550)	2:8:A:ALA:HB3	2:11:B:VAL:HG13	14	1.21
(1,6451)	2:12:A:MET:HE1	2:5:B:LEU:HD11	13	1.21
(1,6074)	2:39:B:THR:HG21	2:40:B:ARG:HA	12	1.21
(1,5959)	2:59:B:MET:HE2	2:58:B:LEU:HA	16	1.21
(1,5927)	2:62:B:LEU:HD22	2:85:B:MET:HE1	2	1.21
(1,5836)	2:77:B:VAL:HG13	2:79:B:LEU:HA	20	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5792)	2:82:B:ILE:HD12	1:1921:C:LEU:HD12	19	1.21
(1,5786)	2:82:B:ILE:HD13	2:80:B:SER:H	16	1.21
(1,5779)	2:82:A:ILE:HG22	2:42:A:LEU:HD13	5	1.21
(1,5524)	1:1909:C:ALA:HB3	1:1912:C:ARG:HB2	11	1.21
(1,5128)	1:1934:C:MET:HE3	2:6:A:GLU:HA	12	1.21
(1,4723)	2:82:A:ILE:HD13	1:1900:C:LEU:HB2	9	1.21
(1,4720)	2:82:A:ILE:HG21	1:1900:C:LEU:HB2	15	1.21
(1,4164)	2:54:B:ALA:HB1	1:1928:C:PHE:HD2	10	1.21
(1,1657)	2:39:B:THR:HG21	2:40:B:ARG:HD2	5	1.21
(1,1303)	2:54:B:ALA:HB1	1:1928:C:PHE:HD2	10	1.21
(1,1103)	2:59:B:MET:HE3	2:67:B:ASP:H	17	1.21
(1,1073)	2:59:B:MET:HE1	2:34:B:LEU:HD21	17	1.21
(1,371)	2:82:B:ILE:HG21	2:12:A:MET:HE2	1	1.21
(1,371)	2:82:B:ILE:HG22	2:12:A:MET:HE2	16	1.21
(1,202)	2:84:A:MET:HE1	2:77:B:VAL:HG11	4	1.21
(1,6951)	2:82:B:ILE:H	1:1917:C:LEU:HD12	11	1.2
(1,6624)	2:2:A:ALA:HB1	2:4:A:PRO:HB2	5	1.2
(1,6543)	2:8:B:ALA:HB3	2:10:B:ASP:HB2	7	1.2
(1,6415)	2:13:A:VAL:HG11	2:72:A:PHE:HA	14	1.2
(1,6185)	2:34:A:LEU:HD23	2:5:B:LEU:HD23	5	1.2
(1,6152)	2:37:B:LEU:HD22	2:19:B:TYR:HE2	13	1.2
(1,6135)	2:37:B:LEU:HD13	2:41:B:GLU:HB2	19	1.2
(1,5927)	2:62:B:LEU:HD23	2:85:B:MET:HE1	1	1.2
(1,5537)	1:1907:C:ALA:HA	1:1905:C:GLU:HB3	10	1.2
(1,5360)	1:1917:C:LEU:HD21	1:1918:C:LYS:HE3	9	1.2
(1,5360)	1:1917:C:LEU:HD22	1:1918:C:LYS:HE3	9	1.2
(1,5360)	1:1917:C:LEU:HD23	1:1918:C:LYS:HE3	9	1.2
(1,4723)	2:82:A:ILE:HD11	1:1900:C:LEU:HB2	7	1.2
(1,4720)	2:82:A:ILE:HG21	1:1900:C:LEU:HB2	7	1.2
(1,4720)	2:82:A:ILE:HG21	1:1900:C:LEU:HB2	10	1.2
(1,4164)	2:54:B:ALA:HB3	1:1928:C:PHE:HD2	6	1.2
(1,3540)	2:61:B:ASN:H	1:1917:C:LEU:HD21	13	1.2
(1,3540)	2:61:B:ASN:H	1:1917:C:LEU:HD22	13	1.2
(1,3540)	2:61:B:ASN:H	1:1917:C:LEU:HD23	13	1.2
(1,1657)	2:39:B:THR:HG22	2:40:B:ARG:HD2	15	1.2
(1,1657)	2:39:B:THR:HG21	2:40:B:ARG:HD2	17	1.2
(1,1303)	2:54:B:ALA:HB3	1:1928:C:PHE:HD2	6	1.2
(1,1072)	2:59:B:MET:HE3	2:29:B:LEU:HD11	6	1.2
(1,1000)	2:60:B:SER:HB3	2:59:B:MET:HE1	15	1.2
(1,983)	2:61:B:ASN:HB3	1:1917:C:LEU:HD21	19	1.2
(1,983)	2:61:B:ASN:HB3	1:1917:C:LEU:HD22	19	1.2
(1,983)	2:61:B:ASN:HB3	1:1917:C:LEU:HD23	19	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6824)	2:73:A:GLN:H	2:75:A:TYR:HD1	13	1.19
(1,6286)	2:26:A:LYS:HB3	2:27:A:PHE:HD2	16	1.19
(1,6239)	2:29:A:LEU:HD13	2:59:A:MET:HE3	3	1.19
(1,6156)	2:36:A:GLU:HB3	2:37:A:LEU:HD22	9	1.19
(1,6152)	2:37:B:LEU:HD22	2:19:B:TYR:HE2	6	1.19
(1,6152)	2:37:B:LEU:HD23	2:19:B:TYR:HE2	16	1.19
(1,5836)	2:77:B:VAL:HG12	2:79:B:LEU:HA	16	1.19
(1,5786)	2:82:B:ILE:HD13	2:80:B:SER:H	3	1.19
(1,5747)	2:85:B:MET:HE1	2:61:B:ASN:HD21	16	1.19
(1,5537)	1:1907:C:ALA:HA	1:1905:C:GLU:HB3	11	1.19
(1,4164)	2:54:B:ALA:HB1	1:1928:C:PHE:HD2	1	1.19
(1,4164)	2:54:B:ALA:HB1	1:1928:C:PHE:HD2	2	1.19
(1,4164)	2:54:B:ALA:HB3	1:1928:C:PHE:HD2	20	1.19
(1,4126)	2:76:A:CYS:HA	1:1910:C:MET:HG2	11	1.19
(1,4126)	2:76:A:CYS:HA	1:1910:C:MET:HG2	12	1.19
(1,1403)	2:49:A:ARG:HA	2:54:A:ALA:HB1	11	1.19
(1,1303)	2:54:B:ALA:HB1	1:1928:C:PHE:HD2	1	1.19
(1,1303)	2:54:B:ALA:HB1	1:1928:C:PHE:HD2	2	1.19
(1,1303)	2:54:B:ALA:HB3	1:1928:C:PHE:HD2	20	1.19
(1,621)	2:76:A:CYS:HA	1:1910:C:MET:HG2	11	1.19
(1,621)	2:76:A:CYS:HA	1:1910:C:MET:HG2	12	1.19
(1,515)	2:79:B:LEU:HD13	2:82:B:ILE:HB	12	1.19
(1,514)	2:79:B:LEU:HD12	2:15:B:THR:HG21	13	1.19
(1,6824)	2:73:A:GLN:H	2:75:A:TYR:HD2	3	1.18
(1,6626)	2:2:A:ALA:HB3	2:7:A:LYS:HE3	17	1.18
(1,6482)	2:11:B:VAL:HG11	2:7:B:LYS:HE3	14	1.18
(1,6451)	2:12:A:MET:HE1	2:5:B:LEU:HD13	16	1.18
(1,6442)	2:12:B:MET:HE3	2:75:B:TYR:HD1	16	1.18
(1,6415)	2:13:A:VAL:HG13	2:89:B:PHE:HB2	8	1.18
(1,6156)	2:36:A:GLU:HB3	2:37:A:LEU:HD21	7	1.18
(1,6156)	2:36:A:GLU:HB3	2:37:A:LEU:HD21	18	1.18
(1,6051)	2:42:B:LEU:HD12	2:45:B:PHE:HB3	8	1.18
(1,6042)	2:42:A:LEU:HD13	2:8:B:ALA:H	10	1.18
(1,5786)	2:82:B:ILE:HD12	2:80:B:SER:H	9	1.18
(1,5786)	2:82:B:ILE:HD13	2:80:B:SER:H	18	1.18
(1,5780)	2:82:A:ILE:HD12	2:42:A:LEU:HD13	13	1.18
(1,5780)	2:82:A:ILE:HD12	2:42:A:LEU:HD13	16	1.18
(1,5395)	1:1914:C:VAL:HG12	1:1912:C:ARG:HD2	1	1.18
(1,5395)	1:1914:C:VAL:HG13	1:1912:C:ARG:HD2	13	1.18
(1,4907)	1:1918:C:LYS:H	1:1922:C:ARG:HB3	8	1.18
(1,4723)	2:82:A:ILE:HD11	1:1900:C:LEU:HB2	17	1.18
(1,4720)	2:82:A:ILE:HG21	1:1900:C:LEU:HB2	20	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4164)	2:54:B:ALA:HB1	1:1928:C:PHE:HD2	19	1.18
(1,4017)	2:38:B:LEU:HD21	1:1929:C:VAL:HG11	7	1.18
(1,4017)	2:38:B:LEU:HD21	1:1929:C:VAL:HG12	7	1.18
(1,4017)	2:38:B:LEU:HD21	1:1929:C:VAL:HG13	7	1.18
(1,1962)	2:34:B:LEU:HD23	2:62:B:LEU:HD22	19	1.18
(1,1820)	2:36:B:GLU:HB3	2:15:B:THR:HG21	12	1.18
(1,1403)	2:49:A:ARG:HA	2:54:A:ALA:HB1	10	1.18
(1,1303)	2:54:B:ALA:HB1	1:1928:C:PHE:HD2	19	1.18
(1,1073)	2:59:B:MET:HE1	2:34:B:LEU:HD22	12	1.18
(1,1072)	2:59:B:MET:HE3	2:29:B:LEU:HD11	20	1.18
(1,1044)	2:59:A:MET:HE3	2:59:A:MET:H	14	1.18
(1,1000)	2:60:B:SER:HB2	2:59:B:MET:HE1	9	1.18
(1,783)	2:70:B:VAL:HG13	2:62:B:LEU:HD22	1	1.18
(1,371)	2:82:B:ILE:HG22	2:12:A:MET:HE1	5	1.18
(1,202)	2:84:A:MET:HE1	2:77:B:VAL:HG13	5	1.18
(1,202)	2:84:A:MET:HE1	2:77:B:VAL:HG12	14	1.18
(1,6992)	2:27:A:PHE:HE2	2:26:A:LYS:HE3	7	1.17
(1,6947)	2:80:B:SER:H	1:1917:C:LEU:HD12	3	1.17
(1,6626)	2:2:B:ALA:HB1	2:7:B:LYS:HE2	4	1.17
(1,6624)	2:2:A:ALA:HB2	2:4:A:PRO:HB2	3	1.17
(1,6550)	2:8:A:ALA:HB1	2:11:B:VAL:HG12	11	1.17
(1,6482)	2:11:B:VAL:HG13	2:7:B:LYS:HE3	15	1.17
(1,6441)	2:12:B:MET:HE3	2:78:B:PHE:HD2	7	1.17
(1,6415)	2:13:A:VAL:HG11	2:72:A:PHE:HA	12	1.17
(1,6185)	2:34:A:LEU:HD23	1:1900:C:LEU:HD21	13	1.17
(1,6156)	2:36:A:GLU:HB3	2:37:A:LEU:HD21	19	1.17
(1,6152)	2:37:A:LEU:HD21	2:19:A:TYR:HE1	8	1.17
(1,6052)	2:42:B:LEU:HD12	1:1928:C:PHE:HZ	19	1.17
(1,6037)	2:42:A:LEU:HD11	2:3:B:CYS:HB3	14	1.17
(1,5959)	2:59:B:MET:HE1	2:58:B:LEU:HA	1	1.17
(1,5836)	2:77:B:VAL:HG13	2:79:B:LEU:HA	12	1.17
(1,5822)	2:77:A:VAL:HG13	2:73:B:GLN:HE22	18	1.17
(1,5774)	2:83:B:ALA:HB3	2:79:A:LEU:HD11	18	1.17
(1,5546)	1:1907:C:ALA:HB1	2:85:A:MET:HE3	14	1.17
(1,5546)	1:1907:C:ALA:HB2	2:85:A:MET:HE3	14	1.17
(1,5546)	1:1907:C:ALA:HB3	2:85:A:MET:HE3	14	1.17
(1,5098)	1:1935:C:ALA:HB1	1:1933:C:ARG:HD3	17	1.17
(1,5098)	1:1935:C:ALA:HB2	1:1933:C:ARG:HD3	17	1.17
(1,5098)	1:1935:C:ALA:HB3	1:1933:C:ARG:HD3	17	1.17
(1,4907)	1:1918:C:LYS:H	1:1922:C:ARG:HB3	19	1.17
(1,4752)	2:58:A:LEU:H	1:1898:C:ARG:HD3	12	1.17
(1,4723)	2:82:A:ILE:HD13	1:1900:C:LEU:HB2	15	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4720)	2:82:A:ILE:HG21	1:1900:C:LEU:HB2	9	1.17
(1,4164)	2:54:B:ALA:HB3	1:1928:C:PHE:HD2	4	1.17
(1,4017)	2:38:B:LEU:HD22	1:1929:C:VAL:HG11	10	1.17
(1,4017)	2:38:B:LEU:HD22	1:1929:C:VAL:HG12	10	1.17
(1,4017)	2:38:B:LEU:HD22	1:1929:C:VAL:HG13	10	1.17
(1,1657)	2:39:B:THR:HG22	2:40:B:ARG:HD3	12	1.17
(1,1403)	2:49:A:ARG:HA	2:54:A:ALA:HB2	5	1.17
(1,1403)	2:49:A:ARG:HA	2:54:A:ALA:HB1	9	1.17
(1,1403)	2:49:A:ARG:HA	2:54:A:ALA:HB2	13	1.17
(1,1303)	2:54:B:ALA:HB3	1:1928:C:PHE:HD2	4	1.17
(1,1072)	2:59:B:MET:HE1	2:29:B:LEU:HD11	16	1.17
(1,371)	2:82:B:ILE:HG23	2:12:A:MET:HE2	13	1.17
(1,351)	2:82:B:ILE:HG21	2:81:B:CYS:H	8	1.17
(1,351)	2:82:B:ILE:HG23	2:81:B:CYS:H	9	1.17
(1,202)	2:84:A:MET:HE1	2:77:B:VAL:HG13	8	1.17
(1,202)	2:84:A:MET:HE1	2:77:B:VAL:HG12	12	1.17
(1,202)	2:84:A:MET:HE1	2:77:B:VAL:HG12	20	1.17
(1,6824)	2:73:A:GLN:H	2:72:A:PHE:HZ	17	1.16
(1,6824)	2:73:A:GLN:H	2:75:A:TYR:HD2	19	1.16
(1,6550)	2:8:A:ALA:HB2	2:11:B:VAL:HG12	9	1.16
(1,6543)	2:8:B:ALA:HB2	2:10:B:ASP:HB2	6	1.16
(1,6442)	2:12:B:MET:HE3	2:75:B:TYR:HD1	13	1.16
(1,6415)	2:13:A:VAL:HG13	2:89:B:PHE:HB2	15	1.16
(1,6360)	2:21:B:GLY:HA2	2:26:B:LYS:HD3	7	1.16
(1,5786)	2:82:B:ILE:HD13	2:80:B:SER:H	4	1.16
(1,5774)	2:83:B:ALA:HB2	2:82:B:ILE:HG12	19	1.16
(1,5359)	1:1917:C:LEU:HD21	2:61:B:ASN:HB2	9	1.16
(1,5359)	1:1917:C:LEU:HD22	2:61:B:ASN:HB2	9	1.16
(1,5359)	1:1917:C:LEU:HD23	2:61:B:ASN:HB2	9	1.16
(1,4752)	2:58:A:LEU:H	1:1898:C:ARG:HD3	3	1.16
(1,4723)	2:82:A:ILE:HD11	1:1900:C:LEU:HB2	10	1.16
(1,4164)	2:54:B:ALA:HB3	1:1928:C:PHE:HD2	7	1.16
(1,4126)	2:76:A:CYS:HA	1:1910:C:MET:HG2	1	1.16
(1,1962)	2:34:B:LEU:HD23	2:62:B:LEU:HD22	12	1.16
(1,1820)	2:36:B:GLU:HB3	2:15:B:THR:HG22	2	1.16
(1,1820)	2:36:B:GLU:HB3	2:15:B:THR:HG23	13	1.16
(1,1403)	2:49:A:ARG:HA	2:54:A:ALA:HB2	18	1.16
(1,1303)	2:54:B:ALA:HB3	1:1928:C:PHE:HD2	7	1.16
(1,1073)	2:59:B:MET:HE1	2:34:B:LEU:HD21	5	1.16
(1,1071)	2:59:B:MET:HE1	2:29:B:LEU:HD21	5	1.16
(1,1069)	2:59:B:MET:HE1	2:62:B:LEU:HD11	8	1.16
(1,621)	2:76:A:CYS:HA	1:1910:C:MET:HG2	1	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,515)	2:79:B:LEU:HD11	2:82:B:ILE:HB	8	1.16
(1,514)	2:79:B:LEU:HD12	2:15:B:THR:HG23	5	1.16
(1,371)	2:82:B:ILE:HG23	2:12:A:MET:HE2	6	1.16
(1,351)	2:82:B:ILE:HG23	2:81:B:CYS:H	10	1.16
(1,351)	2:82:B:ILE:HG23	2:81:B:CYS:H	13	1.16
(1,351)	2:82:B:ILE:HG22	2:81:B:CYS:H	18	1.16
(1,202)	2:84:A:MET:HE1	2:77:B:VAL:HG11	3	1.16
(1,202)	2:84:A:MET:HE1	2:77:B:VAL:HG11	16	1.16
(1,202)	2:84:A:MET:HE1	2:77:B:VAL:HG13	17	1.16
(1,6951)	2:82:B:ILE:H	1:1917:C:LEU:HD11	17	1.15
(1,6624)	2:2:A:ALA:HB3	2:4:A:PRO:HB2	18	1.15
(1,6624)	2:2:B:ALA:HB1	2:4:B:PRO:HB2	20	1.15
(1,6441)	2:12:B:MET:HE3	2:78:B:PHE:HD2	16	1.15
(1,6415)	2:13:A:VAL:HG11	2:72:A:PHE:HA	5	1.15
(1,6360)	2:21:B:GLY:HA2	2:26:B:LYS:HD3	15	1.15
(1,6270)	2:27:B:PHE:HA	2:75:B:TYR:HD2	20	1.15
(1,6098)	2:38:B:LEU:HD13	2:31:B:LYS:HA	13	1.15
(1,6098)	2:38:B:LEU:HD13	2:31:B:LYS:HA	15	1.15
(1,6051)	2:42:B:LEU:HD12	2:45:B:PHE:HB3	12	1.15
(1,6051)	2:42:B:LEU:HD12	2:45:B:PHE:HB3	20	1.15
(1,5826)	2:77:A:VAL:HG13	2:81:A:CYS:HB2	17	1.15
(1,5780)	2:82:A:ILE:HD12	2:42:A:LEU:HD13	7	1.15
(1,5746)	2:85:B:MET:HE3	2:78:B:PHE:HE1	7	1.15
(1,5395)	1:1914:C:VAL:HG11	1:1912:C:ARG:HD2	8	1.15
(1,5395)	1:1914:C:VAL:HG12	1:1912:C:ARG:HD2	18	1.15
(1,4907)	1:1918:C:LYS:H	1:1922:C:ARG:HB3	11	1.15
(1,4720)	2:82:A:ILE:HG21	1:1900:C:LEU:HB2	19	1.15
(1,4189)	2:42:B:LEU:HD12	1:1928:C:PHE:HD1	18	1.15
(1,4164)	2:54:B:ALA:HB3	1:1928:C:PHE:HD2	3	1.15
(1,2199)	2:15:A:THR:HG23	2:5:B:LEU:HD12	15	1.15
(1,2024)	2:29:A:LEU:HD12	2:72:A:PHE:HE1	4	1.15
(1,2024)	2:29:A:LEU:HD12	2:72:A:PHE:HE2	4	1.15
(1,1820)	2:36:B:GLU:HB3	2:15:B:THR:HG23	6	1.15
(1,1570)	2:42:A:LEU:HD12	2:19:A:TYR:HD1	3	1.15
(1,1570)	2:42:A:LEU:HD12	2:19:A:TYR:HD2	3	1.15
(1,1403)	2:49:A:ARG:HA	2:54:A:ALA:HB3	4	1.15
(1,1303)	2:54:B:ALA:HB3	1:1928:C:PHE:HD2	3	1.15
(1,1103)	2:59:B:MET:HE2	2:67:B:ASP:H	15	1.15
(1,1073)	2:59:B:MET:HE3	2:34:B:LEU:HD22	9	1.15
(1,1073)	2:59:B:MET:HE3	2:34:B:LEU:HD22	15	1.15
(1,1053)	2:59:A:MET:HE2	2:75:A:TYR:HD1	16	1.15
(1,1053)	2:59:A:MET:HE2	2:75:A:TYR:HD2	16	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1041)	2:59:A:MET:HE3	2:55:A:PHE:HD2	6	1.15
(1,783)	2:70:B:VAL:HG12	2:62:B:LEU:HD23	11	1.15
(1,137)	2:85:A:MET:HE1	2:9:B:LEU:HD23	8	1.15
(1,6947)	2:80:B:SER:H	1:1917:C:LEU:HD13	15	1.14
(1,6667)	2:26:A:LYS:H	2:27:A:PHE:HD2	19	1.14
(1,6624)	2:2:A:ALA:HB3	2:4:A:PRO:HB2	16	1.14
(1,6591)	2:5:B:LEU:HD23	2:12:A:MET:HE3	2	1.14
(1,6451)	2:12:A:MET:HE1	2:5:B:LEU:HD11	6	1.14
(1,6441)	2:12:B:MET:HE3	2:78:B:PHE:HD1	6	1.14
(1,6185)	2:34:A:LEU:HD21	2:5:B:LEU:HD22	9	1.14
(1,6098)	2:38:B:LEU:HD12	2:31:B:LYS:HA	10	1.14
(1,6098)	2:38:B:LEU:HD11	2:31:B:LYS:HA	20	1.14
(1,6072)	2:39:B:THR:HG22	2:36:B:GLU:HB3	19	1.14
(1,6051)	2:42:B:LEU:HD12	2:45:B:PHE:HB3	15	1.14
(1,5959)	2:59:B:MET:HE1	2:58:B:LEU:HA	8	1.14
(1,5822)	2:77:A:VAL:HG13	2:73:B:GLN:HE22	15	1.14
(1,5822)	2:77:A:VAL:HG11	2:73:A:GLN:HE22	17	1.14
(1,5792)	2:82:B:ILE:HD12	1:1921:C:LEU:HD13	12	1.14
(1,5786)	2:82:B:ILE:HD13	2:80:B:SER:H	2	1.14
(1,5774)	2:83:B:ALA:HB3	2:79:A:LEU:HD11	6	1.14
(1,5537)	1:1907:C:ALA:HA	1:1905:C:GLU:HB3	12	1.14
(1,5395)	1:1914:C:VAL:HG12	1:1912:C:ARG:HD2	4	1.14
(1,5395)	1:1914:C:VAL:HG12	1:1912:C:ARG:HD2	9	1.14
(1,5395)	1:1914:C:VAL:HG13	1:1912:C:ARG:HD2	17	1.14
(1,4720)	2:82:A:ILE:HG21	1:1900:C:LEU:HB2	11	1.14
(1,4164)	2:54:B:ALA:HB3	1:1928:C:PHE:HD2	5	1.14
(1,4164)	2:54:B:ALA:HB1	1:1928:C:PHE:HD2	14	1.14
(1,4126)	2:76:A:CYS:HA	1:1910:C:MET:HG2	17	1.14
(1,4023)	2:38:B:LEU:HD22	1:1929:C:VAL:HG21	8	1.14
(1,4023)	2:38:B:LEU:HD22	1:1929:C:VAL:HG22	8	1.14
(1,4023)	2:38:B:LEU:HD22	1:1929:C:VAL:HG23	8	1.14
(1,3540)	2:61:B:ASN:H	1:1917:C:LEU:HD21	9	1.14
(1,3540)	2:61:B:ASN:H	1:1917:C:LEU:HD22	9	1.14
(1,3540)	2:61:B:ASN:H	1:1917:C:LEU:HD23	9	1.14
(1,2024)	2:29:A:LEU:HD12	2:72:A:PHE:HE1	14	1.14
(1,2024)	2:29:A:LEU:HD12	2:72:A:PHE:HE2	14	1.14
(1,1657)	2:39:B:THR:HG23	2:40:B:ARG:HD2	6	1.14
(1,1483)	2:46:A:LEU:HD22	1:1897:C:GLN:HG2	16	1.14
(1,1303)	2:54:B:ALA:HB3	1:1928:C:PHE:HD2	5	1.14
(1,1303)	2:54:B:ALA:HB1	1:1928:C:PHE:HD2	14	1.14
(1,1000)	2:60:B:SER:HB2	2:59:B:MET:HE1	10	1.14
(1,621)	2:76:A:CYS:HA	1:1910:C:MET:HG2	17	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,202)	2:84:A:MET:HE1	2:77:B:VAL:HG13	1	1.14
(1,137)	2:85:A:MET:HE1	2:9:B:LEU:HD22	1	1.14
(1,6951)	2:82:B:ILE:H	1:1917:C:LEU:HD12	10	1.13
(1,6477)	2:11:A:VAL:HG11	2:7:A:LYS:HD2	5	1.13
(1,6459)	2:12:A:MET:HE3	2:72:A:PHE:HE1	16	1.13
(1,6434)	2:12:B:MET:HE1	2:9:A:LEU:HD23	13	1.13
(1,6270)	2:27:A:PHE:HA	2:75:A:TYR:HD2	19	1.13
(1,6156)	2:36:A:GLU:HB3	2:37:A:LEU:HD21	3	1.13
(1,6135)	2:37:B:LEU:HD13	2:41:B:GLU:HB2	10	1.13
(1,6074)	2:39:A:THR:HG21	2:50:A:THR:HA	18	1.13
(1,6042)	2:42:A:LEU:HD13	2:8:B:ALA:H	7	1.13
(1,6042)	2:42:A:LEU:HD13	2:8:B:ALA:H	20	1.13
(1,5927)	2:62:B:LEU:HD23	2:85:B:MET:HE1	17	1.13
(1,5537)	1:1907:C:ALA:HA	1:1905:C:GLU:HB3	1	1.13
(1,5537)	1:1907:C:ALA:HA	1:1905:C:GLU:HB3	17	1.13
(1,5359)	1:1917:C:LEU:HD21	2:61:B:ASN:HB2	10	1.13
(1,5359)	1:1917:C:LEU:HD22	2:61:B:ASN:HB2	10	1.13
(1,5359)	1:1917:C:LEU:HD23	2:61:B:ASN:HB2	10	1.13
(1,4691)	2:74:B:GLU:HG3	1:1921:C:LEU:HD12	20	1.13
(1,4017)	2:38:B:LEU:HD22	1:1929:C:VAL:HG11	15	1.13
(1,4017)	2:38:B:LEU:HD22	1:1929:C:VAL:HG12	15	1.13
(1,4017)	2:38:B:LEU:HD22	1:1929:C:VAL:HG13	15	1.13
(1,2024)	2:29:A:LEU:HD11	2:72:A:PHE:HE1	10	1.13
(1,2024)	2:29:A:LEU:HD11	2:72:A:PHE:HE2	10	1.13
(1,1851)	2:35:A:LYS:HD2	2:55:A:PHE:HD2	17	1.13
(1,1820)	2:36:B:GLU:HB3	2:15:B:THR:HG23	20	1.13
(1,1485)	2:46:A:LEU:HD23	2:39:A:THR:HG23	2	1.13
(1,1103)	2:59:B:MET:HE2	2:67:B:ASP:H	3	1.13
(1,1103)	2:59:B:MET:HE3	2:67:B:ASP:H	6	1.13
(1,515)	2:79:B:LEU:HD13	2:82:B:ILE:HB	17	1.13
(1,6947)	2:80:B:SER:H	1:1917:C:LEU:HD11	17	1.12
(1,6624)	2:2:B:ALA:HB2	2:4:B:PRO:HB2	8	1.12
(1,6624)	2:2:A:ALA:HB2	2:4:A:PRO:HB2	19	1.12
(1,6442)	2:12:B:MET:HE3	2:75:B:TYR:HD1	5	1.12
(1,6270)	2:27:B:PHE:HA	2:75:B:TYR:HD2	14	1.12
(1,6209)	2:32:B:SER:HB3	2:30:B:ASN:HD21	7	1.12
(1,6185)	2:34:A:LEU:HD23	2:5:B:LEU:HD23	14	1.12
(1,6156)	2:36:A:GLU:HB3	2:37:A:LEU:HD21	10	1.12
(1,5786)	2:82:B:ILE:HD13	2:80:B:SER:H	13	1.12
(1,5746)	2:85:B:MET:HE3	2:78:B:PHE:HE2	20	1.12
(1,4907)	1:1918:C:LYS:H	1:1922:C:ARG:HB3	16	1.12
(1,4752)	2:58:A:LEU:H	1:1898:C:ARG:HD3	18	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4164)	2:54:B:ALA:HB1	1:1928:C:PHE:HD2	17	1.12
(1,4126)	2:76:A:CYS:HA	1:1910:C:MET:HG2	9	1.12
(1,4126)	2:76:A:CYS:HA	1:1910:C:MET:HG2	15	1.12
(1,4023)	2:38:B:LEU:HD21	1:1929:C:VAL:HG21	1	1.12
(1,4023)	2:38:B:LEU:HD21	1:1929:C:VAL:HG22	1	1.12
(1,4023)	2:38:B:LEU:HD21	1:1929:C:VAL:HG23	1	1.12
(1,4017)	2:38:B:LEU:HD22	1:1929:C:VAL:HG11	4	1.12
(1,4017)	2:38:B:LEU:HD22	1:1929:C:VAL:HG12	4	1.12
(1,4017)	2:38:B:LEU:HD22	1:1929:C:VAL:HG13	4	1.12
(1,4017)	2:38:B:LEU:HD22	1:1929:C:VAL:HG11	9	1.12
(1,4017)	2:38:B:LEU:HD22	1:1929:C:VAL:HG12	9	1.12
(1,4017)	2:38:B:LEU:HD22	1:1929:C:VAL:HG13	9	1.12
(1,2281)	2:12:B:MET:HE2	2:76:B:CYS:H	4	1.12
(1,2281)	2:12:B:MET:HE3	2:76:B:CYS:H	19	1.12
(1,2024)	2:29:A:LEU:HD13	2:72:A:PHE:HE1	9	1.12
(1,2024)	2:29:A:LEU:HD13	2:72:A:PHE:HE2	9	1.12
(1,1962)	2:34:B:LEU:HD23	2:62:B:LEU:HD21	13	1.12
(1,1820)	2:36:B:GLU:HB3	2:15:B:THR:HG23	16	1.12
(1,1582)	2:42:B:LEU:HD13	2:82:B:ILE:HG22	11	1.12
(1,1483)	2:46:A:LEU:HD22	1:1897:C:GLN:HG2	7	1.12
(1,1303)	2:54:B:ALA:HB1	1:1928:C:PHE:HD2	17	1.12
(1,1053)	2:59:A:MET:HE3	2:75:A:TYR:HD1	19	1.12
(1,1053)	2:59:A:MET:HE3	2:75:A:TYR:HD2	19	1.12
(1,1044)	2:59:A:MET:HE2	2:59:A:MET:H	18	1.12
(1,783)	2:70:B:VAL:HG12	2:62:B:LEU:HD21	3	1.12
(1,783)	2:70:B:VAL:HG11	2:62:B:LEU:HD22	7	1.12
(1,783)	2:70:B:VAL:HG11	2:62:B:LEU:HD21	9	1.12
(1,621)	2:76:A:CYS:HA	1:1910:C:MET:HG2	9	1.12
(1,621)	2:76:A:CYS:HA	1:1910:C:MET:HG2	15	1.12
(1,6627)	2:2:A:ALA:HB1	2:4:A:PRO:HG2	20	1.11
(1,6624)	2:2:A:ALA:HB3	2:4:A:PRO:HB2	10	1.11
(1,6624)	2:2:A:ALA:HB3	2:4:A:PRO:HB2	14	1.11
(1,6593)	2:5:B:LEU:HD22	2:42:A:LEU:HD13	9	1.11
(1,6462)	2:12:A:MET:HE2	2:84:B:MET:H	3	1.11
(1,6442)	2:12:B:MET:HE3	2:75:B:TYR:HD1	4	1.11
(1,6441)	2:12:B:MET:HE3	2:78:B:PHE:HD1	13	1.11
(1,6419)	2:13:A:VAL:HG23	2:91:B:GLU:HB3	6	1.11
(1,6098)	2:38:B:LEU:HD12	2:31:B:LYS:HA	12	1.11
(1,6042)	2:42:A:LEU:HD13	2:8:B:ALA:H	11	1.11
(1,5927)	2:62:B:LEU:HD23	2:85:B:MET:HE1	10	1.11
(1,5908)	2:29:A:LEU:HD22	2:22:A:LYS:H	16	1.11
(1,5786)	2:82:B:ILE:HD13	2:80:B:SER:H	20	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5537)	1:1907:C:ALA:HA	1:1905:C:GLU:HB3	2	1.11
(1,4723)	2:82:A:ILE:HD11	1:1900:C:LEU:HB2	5	1.11
(1,4723)	2:82:A:ILE:HD11	1:1900:C:LEU:HB2	18	1.11
(1,4691)	2:74:B:GLU:HG3	1:1921:C:LEU:HD11	14	1.11
(1,4178)	2:46:A:LEU:HD22	1:1897:C:GLN:HG2	14	1.11
(1,4023)	2:38:B:LEU:HD21	1:1929:C:VAL:HG21	7	1.11
(1,4023)	2:38:B:LEU:HD21	1:1929:C:VAL:HG22	7	1.11
(1,4023)	2:38:B:LEU:HD21	1:1929:C:VAL:HG23	7	1.11
(1,2281)	2:12:B:MET:HE2	2:76:B:CYS:H	2	1.11
(1,1962)	2:34:B:LEU:HD23	2:62:B:LEU:HD22	15	1.11
(1,1582)	2:42:B:LEU:HD13	2:82:B:ILE:HG22	13	1.11
(1,1071)	2:59:B:MET:HE3	2:29:B:LEU:HD23	20	1.11
(1,1044)	2:59:A:MET:HE3	2:59:A:MET:H	17	1.11
(1,783)	2:70:B:VAL:HG13	2:62:B:LEU:HD21	4	1.11
(1,515)	2:79:B:LEU:HD12	2:82:B:ILE:HB	9	1.11
(1,351)	2:82:B:ILE:HG23	2:81:B:CYS:H	2	1.11
(1,351)	2:82:B:ILE:HG23	2:81:B:CYS:H	6	1.11
(1,6968)	2:17:A:HIS:H	2:26:A:LYS:HE2	10	1.1
(1,6951)	2:82:B:ILE:H	1:1917:C:LEU:HD11	19	1.1
(1,6947)	2:80:B:SER:H	1:1917:C:LEU:HD11	16	1.1
(1,6824)	2:73:A:GLN:H	2:75:A:TYR:HD1	11	1.1
(1,6627)	2:2:A:ALA:HB3	2:4:A:PRO:HG2	16	1.1
(1,6624)	2:2:A:ALA:HB2	2:4:A:PRO:HB2	11	1.1
(1,6550)	2:8:A:ALA:HB1	2:11:B:VAL:HG13	8	1.1
(1,6462)	2:12:A:MET:HE2	2:84:B:MET:H	12	1.1
(1,6415)	2:13:A:VAL:HG13	2:72:A:PHE:HA	7	1.1
(1,6242)	2:29:B:LEU:HD11	2:37:B:LEU:HD12	19	1.1
(1,6156)	2:36:A:GLU:HB3	2:37:A:LEU:HD21	2	1.1
(1,6020)	2:46:A:LEU:HD21	1:1900:C:LEU:HG	6	1.1
(1,6019)	2:46:A:LEU:HD21	2:55:A:PHE:HA	2	1.1
(1,5546)	1:1907:C:ALA:HB1	2:85:A:MET:HE3	1	1.1
(1,5546)	1:1907:C:ALA:HB2	2:85:A:MET:HE3	1	1.1
(1,5546)	1:1907:C:ALA:HB3	2:85:A:MET:HE3	1	1.1
(1,5537)	1:1907:C:ALA:HA	1:1905:C:GLU:HB3	18	1.1
(1,4723)	2:82:A:ILE:HD11	1:1900:C:LEU:HB2	3	1.1
(1,4178)	2:46:A:LEU:HD22	1:1897:C:GLN:HG2	15	1.1
(1,3540)	2:61:B:ASN:H	1:1917:C:LEU:HD21	10	1.1
(1,3540)	2:61:B:ASN:H	1:1917:C:LEU:HD22	10	1.1
(1,3540)	2:61:B:ASN:H	1:1917:C:LEU:HD23	10	1.1
(1,2199)	2:15:A:THR:HG21	2:5:B:LEU:HD12	4	1.1
(1,2024)	2:29:A:LEU:HD12	2:72:A:PHE:HE1	7	1.1
(1,2024)	2:29:A:LEU:HD12	2:72:A:PHE:HE2	7	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2024)	2:29:A:LEU:HD12	2:72:A:PHE:HE1	15	1.1
(1,2024)	2:29:A:LEU:HD12	2:72:A:PHE:HE2	15	1.1
(1,1582)	2:42:B:LEU:HD13	2:82:B:ILE:HG22	3	1.1
(1,1403)	2:49:A:ARG:HA	2:54:A:ALA:HB2	16	1.1
(1,515)	2:79:B:LEU:HD13	2:82:B:ILE:HB	14	1.1
(1,514)	2:79:B:LEU:HD11	2:15:B:THR:HG22	9	1.1
(1,6847)	2:83:A:ALA:H	2:72:B:PHE:HE1	3	1.09
(1,6627)	2:2:A:ALA:HB2	2:4:A:PRO:HG2	3	1.09
(1,6618)	2:2:B:ALA:HA	2:7:B:LYS:HE2	1	1.09
(1,6457)	2:12:A:MET:HE1	2:8:A:ALA:HA	7	1.09
(1,6441)	2:12:B:MET:HE1	2:78:B:PHE:HD1	20	1.09
(1,6419)	2:13:A:VAL:HG23	2:91:B:GLU:HB3	4	1.09
(1,6270)	2:27:B:PHE:HA	2:75:B:TYR:HD2	9	1.09
(1,6242)	2:29:B:LEU:HD11	2:37:B:LEU:HD13	11	1.09
(1,6098)	2:38:B:LEU:HD13	2:31:B:LYS:HA	1	1.09
(1,5959)	2:59:B:MET:HE1	2:58:B:LEU:HA	10	1.09
(1,5959)	2:59:B:MET:HE1	2:58:B:LEU:HA	11	1.09
(1,5818)	2:79:B:LEU:HD21	2:80:B:SER:HB3	2	1.09
(1,5792)	2:82:B:ILE:HD12	1:1921:C:LEU:HD12	10	1.09
(1,5786)	2:82:B:ILE:HD13	2:80:B:SER:H	19	1.09
(1,5746)	2:85:B:MET:HE3	2:78:B:PHE:HE1	16	1.09
(1,4390)	1:1928:C:PHE:HZ	1:1929:C:VAL:HG11	5	1.09
(1,4390)	1:1928:C:PHE:HZ	1:1929:C:VAL:HG12	5	1.09
(1,4390)	1:1928:C:PHE:HZ	1:1929:C:VAL:HG13	5	1.09
(1,4178)	2:46:A:LEU:HD23	1:1897:C:GLN:HG2	20	1.09
(1,4164)	2:54:B:ALA:HB1	1:1928:C:PHE:HD2	18	1.09
(1,4017)	2:38:B:LEU:HD23	1:1929:C:VAL:HG11	3	1.09
(1,4017)	2:38:B:LEU:HD23	1:1929:C:VAL:HG12	3	1.09
(1,4017)	2:38:B:LEU:HD23	1:1929:C:VAL:HG13	3	1.09
(1,4017)	2:38:B:LEU:HD23	1:1929:C:VAL:HG11	6	1.09
(1,4017)	2:38:B:LEU:HD23	1:1929:C:VAL:HG12	6	1.09
(1,4017)	2:38:B:LEU:HD23	1:1929:C:VAL:HG13	6	1.09
(1,2065)	2:26:B:LYS:HD2	2:28:B:LYS:H	6	1.09
(1,2024)	2:29:A:LEU:HD11	2:72:A:PHE:HE1	17	1.09
(1,2024)	2:29:A:LEU:HD11	2:72:A:PHE:HE2	17	1.09
(1,1570)	2:42:A:LEU:HD13	2:19:A:TYR:HD1	2	1.09
(1,1570)	2:42:A:LEU:HD13	2:19:A:TYR:HD2	2	1.09
(1,1403)	2:49:A:ARG:HA	2:54:A:ALA:HB2	1	1.09
(1,1403)	2:49:A:ARG:HA	2:54:A:ALA:HB2	8	1.09
(1,1303)	2:54:B:ALA:HB1	1:1928:C:PHE:HD2	18	1.09
(1,1119)	2:58:A:LEU:HD11	2:57:A:LYS:H	3	1.09
(1,1119)	2:58:A:LEU:HD12	2:57:A:LYS:H	15	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1072)	2:59:B:MET:HE1	2:29:B:LEU:HD11	14	1.09
(1,1044)	2:59:A:MET:HE2	2:59:A:MET:H	9	1.09
(1,783)	2:70:B:VAL:HG11	2:62:B:LEU:HD22	8	1.09
(1,783)	2:70:B:VAL:HG13	2:62:B:LEU:HD21	20	1.09
(1,515)	2:79:B:LEU:HD11	2:82:B:ILE:HB	3	1.09
(1,6951)	2:82:B:ILE:H	1:1917:C:LEU:HD13	13	1.08
(1,6947)	2:80:B:SER:H	1:1917:C:LEU:HD11	4	1.08
(1,6591)	2:5:B:LEU:HD23	2:12:A:MET:HE3	10	1.08
(1,6543)	2:8:B:ALA:HB2	2:10:B:ASP:HB2	2	1.08
(1,6419)	2:13:A:VAL:HG23	2:91:B:GLU:HB3	14	1.08
(1,6247)	2:29:B:LEU:HD21	2:30:B:ASN:HD22	11	1.08
(1,6135)	2:37:A:LEU:HD11	2:41:A:GLU:HB2	11	1.08
(1,6066)	2:40:B:ARG:HD3	2:19:B:TYR:HD1	11	1.08
(1,6042)	2:42:A:LEU:HD13	2:8:B:ALA:H	15	1.08
(1,6037)	2:42:A:LEU:HD13	2:3:B:CYS:HB3	9	1.08
(1,6019)	2:46:A:LEU:HD23	2:55:A:PHE:HA	20	1.08
(1,5836)	2:77:B:VAL:HG11	2:79:B:LEU:HA	8	1.08
(1,5822)	2:77:A:VAL:HG13	2:73:B:GLN:HE22	14	1.08
(1,5818)	2:79:B:LEU:HD21	2:80:B:SER:HB3	10	1.08
(1,5818)	2:79:B:LEU:HD21	2:80:B:SER:HB3	13	1.08
(1,5780)	2:82:A:ILE:HD12	2:42:A:LEU:HD13	5	1.08
(1,5774)	2:83:B:ALA:HB3	2:79:A:LEU:HD11	13	1.08
(1,5537)	1:1907:C:ALA:HA	1:1905:C:GLU:HB3	20	1.08
(1,4723)	2:82:A:ILE:HD11	1:1900:C:LEU:HB2	20	1.08
(1,4126)	2:76:A:CYS:HA	1:1910:C:MET:HG2	8	1.08
(1,4060)	2:85:B:MET:HE1	1:1928:C:PHE:HB3	16	1.08
(1,4043)	2:85:A:MET:HE2	1:1898:C:ARG:HG2	13	1.08
(1,4023)	2:38:B:LEU:HD22	1:1929:C:VAL:HG21	9	1.08
(1,4023)	2:38:B:LEU:HD22	1:1929:C:VAL:HG22	9	1.08
(1,4023)	2:38:B:LEU:HD22	1:1929:C:VAL:HG23	9	1.08
(1,1962)	2:34:B:LEU:HD23	2:62:B:LEU:HD21	18	1.08
(1,1483)	2:46:A:LEU:HD22	1:1897:C:GLN:HG2	12	1.08
(1,1468)	2:46:A:LEU:HD11	1:1897:C:GLN:HE22	18	1.08
(1,1103)	2:59:B:MET:HE3	2:67:B:ASP:H	10	1.08
(1,1103)	2:59:B:MET:HE3	2:67:B:ASP:H	20	1.08
(1,1098)	2:59:B:MET:HE2	2:62:B:LEU:H	2	1.08
(1,1073)	2:59:B:MET:HE3	2:34:B:LEU:HD22	18	1.08
(1,1071)	2:59:B:MET:HE3	2:29:B:LEU:HD22	7	1.08
(1,1069)	2:59:B:MET:HE1	2:62:B:LEU:HD11	16	1.08
(1,983)	2:61:B:ASN:HB3	1:1917:C:LEU:HD21	10	1.08
(1,983)	2:61:B:ASN:HB3	1:1917:C:LEU:HD22	10	1.08
(1,983)	2:61:B:ASN:HB3	1:1917:C:LEU:HD23	10	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,621)	2:76:A:CYS:HA	1:1910:C:MET:HG2	8	1.08
(1,515)	2:79:B:LEU:HD13	2:82:B:ILE:HB	15	1.08
(1,515)	2:79:B:LEU:HD13	2:82:B:ILE:HB	18	1.08
(1,351)	2:82:B:ILE:HG23	2:81:B:CYS:H	3	1.08
(1,351)	2:82:B:ILE:HG23	2:81:B:CYS:H	19	1.08
(1,137)	2:85:A:MET:HE1	2:9:B:LEU:HD21	11	1.08
(1,6627)	2:2:A:ALA:HB2	2:4:A:PRO:HG2	2	1.07
(1,6627)	2:2:A:ALA:HB1	2:4:A:PRO:HG2	5	1.07
(1,6485)	2:11:B:VAL:HG11	2:8:B:ALA:HA	15	1.07
(1,6412)	2:13:A:VAL:HG12	2:91:B:GLU:HB2	9	1.07
(1,6104)	2:38:B:LEU:HD22	2:82:B:ILE:HB	18	1.07
(1,6098)	2:38:B:LEU:HD11	2:31:B:LYS:HA	18	1.07
(1,5908)	2:29:A:LEU:HD23	2:22:A:LYS:H	4	1.07
(1,5758)	2:84:B:MET:HE1	2:73:A:GLN:H	11	1.07
(1,5546)	1:1907:C:ALA:HB1	2:85:A:MET:HE3	13	1.07
(1,5546)	1:1907:C:ALA:HB2	2:85:A:MET:HE3	13	1.07
(1,5546)	1:1907:C:ALA:HB3	2:85:A:MET:HE3	13	1.07
(1,5537)	1:1907:C:ALA:HA	1:1905:C:GLU:HB3	4	1.07
(1,5395)	1:1914:C:VAL:HG12	1:1912:C:ARG:HD2	2	1.07
(1,4126)	2:76:A:CYS:HA	1:1910:C:MET:HG2	10	1.07
(1,4017)	2:38:B:LEU:HD23	1:1929:C:VAL:HG11	2	1.07
(1,4017)	2:38:B:LEU:HD23	1:1929:C:VAL:HG12	2	1.07
(1,4017)	2:38:B:LEU:HD23	1:1929:C:VAL:HG13	2	1.07
(1,3540)	2:61:B:ASN:H	1:1917:C:LEU:HD21	19	1.07
(1,3540)	2:61:B:ASN:H	1:1917:C:LEU:HD22	19	1.07
(1,3540)	2:61:B:ASN:H	1:1917:C:LEU:HD23	19	1.07
(1,2876)	2:47:A:GLY:H	1:1897:C:GLN:HE22	12	1.07
(1,2281)	2:12:B:MET:HE2	2:76:B:CYS:H	10	1.07
(1,2199)	2:15:A:THR:HG23	2:5:B:LEU:HD11	5	1.07
(1,2199)	2:15:A:THR:HG21	2:5:B:LEU:HD13	6	1.07
(1,2199)	2:15:A:THR:HG21	2:5:B:LEU:HD13	13	1.07
(1,2024)	2:29:A:LEU:HD12	2:72:A:PHE:HE1	1	1.07
(1,2024)	2:29:A:LEU:HD12	2:72:A:PHE:HE2	1	1.07
(1,2024)	2:29:A:LEU:HD13	2:72:A:PHE:HE1	8	1.07
(1,2024)	2:29:A:LEU:HD13	2:72:A:PHE:HE2	8	1.07
(1,1962)	2:34:B:LEU:HD22	2:62:B:LEU:HD22	2	1.07
(1,1103)	2:59:B:MET:HE3	2:67:B:ASP:H	19	1.07
(1,1072)	2:59:B:MET:HE3	2:29:B:LEU:HD12	9	1.07
(1,1044)	2:59:A:MET:HE2	2:59:A:MET:H	12	1.07
(1,636)	2:76:B:CYS:HA	2:62:B:LEU:HD11	12	1.07
(1,621)	2:76:A:CYS:HA	1:1910:C:MET:HG2	10	1.07
(1,515)	2:79:B:LEU:HD13	2:82:B:ILE:HB	1	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,514)	2:79:B:LEU:HD12	2:15:B:THR:HG23	2	1.07
(1,514)	2:79:B:LEU:HD12	2:15:B:THR:HG23	17	1.07
(1,202)	2:84:A:MET:HE1	2:77:B:VAL:HG13	11	1.07
(1,137)	2:85:A:MET:HE1	2:9:B:LEU:HD23	5	1.07
(1,137)	2:85:A:MET:HE1	2:9:B:LEU:HD21	19	1.07
(1,6947)	2:80:B:SER:H	1:1917:C:LEU:HD12	1	1.06
(1,6824)	2:73:A:GLN:H	2:75:A:TYR:HD2	8	1.06
(1,6667)	2:26:A:LYS:H	2:27:A:PHE:HD2	8	1.06
(1,6627)	2:2:A:ALA:HB3	2:4:A:PRO:HG2	10	1.06
(1,6624)	2:2:B:ALA:HB3	2:4:B:PRO:HB2	4	1.06
(1,6591)	2:5:B:LEU:HD21	2:12:A:MET:HE1	13	1.06
(1,6509)	2:9:B:LEU:HD12	2:6:B:GLU:HA	17	1.06
(1,6475)	2:11:A:VAL:HG12	2:8:B:ALA:HB1	11	1.06
(1,6419)	2:13:A:VAL:HG23	2:91:B:GLU:HB3	13	1.06
(1,6415)	2:13:A:VAL:HG13	2:89:B:PHE:HB2	11	1.06
(1,6098)	2:38:B:LEU:HD12	2:31:B:LYS:HA	6	1.06
(1,6051)	2:42:B:LEU:HD12	2:45:B:PHE:HB3	5	1.06
(1,6051)	2:42:B:LEU:HD12	2:45:B:PHE:HB3	10	1.06
(1,5959)	2:59:B:MET:HE1	2:58:B:LEU:HA	3	1.06
(1,5946)	2:59:A:MET:HE3	2:30:A:ASN:HB3	5	1.06
(1,5908)	2:29:A:LEU:HD22	2:22:A:LYS:H	19	1.06
(1,5836)	2:77:B:VAL:HG12	2:79:B:LEU:HA	18	1.06
(1,5792)	2:82:B:ILE:HD12	1:1921:C:LEU:HD11	5	1.06
(1,5786)	2:82:B:ILE:HD13	2:80:B:SER:H	1	1.06
(1,5753)	2:84:A:MET:HE1	2:73:B:GLN:H	3	1.06
(1,5546)	1:1907:C:ALA:HB1	2:85:A:MET:HE3	12	1.06
(1,5546)	1:1907:C:ALA:HB2	2:85:A:MET:HE3	12	1.06
(1,5546)	1:1907:C:ALA:HB3	2:85:A:MET:HE3	12	1.06
(1,5537)	1:1907:C:ALA:HA	1:1905:C:GLU:HB3	8	1.06
(1,5537)	1:1907:C:ALA:HA	1:1905:C:GLU:HB3	15	1.06
(1,4043)	2:85:A:MET:HE2	1:1898:C:ARG:HG2	1	1.06
(1,4023)	2:38:B:LEU:HD22	1:1929:C:VAL:HG21	15	1.06
(1,4023)	2:38:B:LEU:HD22	1:1929:C:VAL:HG22	15	1.06
(1,4023)	2:38:B:LEU:HD22	1:1929:C:VAL:HG23	15	1.06
(1,4017)	2:38:B:LEU:HD23	1:1929:C:VAL:HG11	19	1.06
(1,4017)	2:38:B:LEU:HD23	1:1929:C:VAL:HG12	19	1.06
(1,4017)	2:38:B:LEU:HD23	1:1929:C:VAL:HG13	19	1.06
(1,2889)	2:49:A:ARG:H	2:54:A:ALA:HB2	17	1.06
(1,1962)	2:34:B:LEU:HD22	2:62:B:LEU:HD22	3	1.06
(1,1962)	2:34:B:LEU:HD23	2:62:B:LEU:HD21	6	1.06
(1,1962)	2:34:B:LEU:HD22	2:62:B:LEU:HD22	7	1.06
(1,1582)	2:42:B:LEU:HD13	2:82:B:ILE:HG22	17	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1485)	2:46:A:LEU:HD21	2:39:A:THR:HG23	13	1.06
(1,1483)	2:46:A:LEU:HD23	1:1897:C:GLN:HG2	3	1.06
(1,1119)	2:58:A:LEU:HD13	2:57:A:LYS:H	1	1.06
(1,1119)	2:58:A:LEU:HD12	2:57:A:LYS:H	7	1.06
(1,1119)	2:58:A:LEU:HD12	2:57:A:LYS:H	11	1.06
(1,1119)	2:58:A:LEU:HD12	2:57:A:LYS:H	20	1.06
(1,636)	2:76:B:CYS:HA	2:62:B:LEU:HD11	9	1.06
(1,515)	2:79:B:LEU:HD13	2:82:B:ILE:HB	19	1.06
(1,6627)	2:2:A:ALA:HB3	2:4:A:PRO:HG2	18	1.05
(1,6627)	2:2:A:ALA:HB2	2:4:A:PRO:HG2	19	1.05
(1,6593)	2:5:B:LEU:HD23	2:42:A:LEU:HD13	14	1.05
(1,6485)	2:11:B:VAL:HG12	2:8:B:ALA:HA	14	1.05
(1,6433)	2:12:B:MET:HG3	2:11:B:VAL:HG11	11	1.05
(1,6415)	2:13:A:VAL:HG12	2:89:B:PHE:HB2	19	1.05
(1,6033)	2:42:A:LEU:HD12	2:37:A:LEU:HA	7	1.05
(1,6030)	2:42:A:LEU:HD12	2:29:A:LEU:HD22	4	1.05
(1,5927)	2:62:B:LEU:HD22	2:85:B:MET:HE1	4	1.05
(1,5836)	2:77:B:VAL:HG12	2:79:B:LEU:HA	10	1.05
(1,5826)	2:77:A:VAL:HG13	2:81:A:CYS:HB2	10	1.05
(1,5818)	2:79:B:LEU:HD21	2:80:B:SER:HB3	3	1.05
(1,5818)	2:79:B:LEU:HD21	2:80:B:SER:HB3	17	1.05
(1,5747)	2:85:B:MET:HE3	2:45:B:PHE:HE1	19	1.05
(1,5746)	2:85:B:MET:HE3	2:78:B:PHE:HE1	1	1.05
(1,4691)	2:74:B:GLU:HG3	1:1921:C:LEU:HD12	2	1.05
(1,4691)	2:74:B:GLU:HG3	1:1921:C:LEU:HD12	4	1.05
(1,4411)	2:46:B:LEU:HD11	1:1928:C:PHE:HD2	1	1.05
(1,4060)	2:85:B:MET:HE1	1:1928:C:PHE:HB3	9	1.05
(1,4023)	2:38:B:LEU:HD21	1:1929:C:VAL:HG21	16	1.05
(1,4023)	2:38:B:LEU:HD21	1:1929:C:VAL:HG22	16	1.05
(1,4023)	2:38:B:LEU:HD21	1:1929:C:VAL:HG23	16	1.05
(1,4017)	2:38:B:LEU:HD22	1:1929:C:VAL:HG11	13	1.05
(1,4017)	2:38:B:LEU:HD22	1:1929:C:VAL:HG12	13	1.05
(1,4017)	2:38:B:LEU:HD22	1:1929:C:VAL:HG13	13	1.05
(1,4017)	2:38:B:LEU:HD21	1:1929:C:VAL:HG11	17	1.05
(1,4017)	2:38:B:LEU:HD21	1:1929:C:VAL:HG12	17	1.05
(1,4017)	2:38:B:LEU:HD21	1:1929:C:VAL:HG13	17	1.05
(1,2281)	2:12:B:MET:HE2	2:76:B:CYS:H	5	1.05
(1,2199)	2:15:A:THR:HG21	2:5:B:LEU:HD13	14	1.05
(1,1485)	2:46:A:LEU:HD22	2:39:A:THR:HG21	18	1.05
(1,1119)	2:58:A:LEU:HD12	2:57:A:LYS:H	12	1.05
(1,1119)	2:58:A:LEU:HD13	2:57:A:LYS:H	19	1.05
(1,1103)	2:59:B:MET:HE3	2:67:B:ASP:H	5	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1103)	2:59:B:MET:HE3	2:67:B:ASP:H	8	1.05
(1,1072)	2:59:B:MET:HE3	2:29:B:LEU:HD11	15	1.05
(1,1044)	2:59:A:MET:HE3	2:59:A:MET:H	8	1.05
(1,1044)	2:59:A:MET:HE2	2:59:A:MET:H	15	1.05
(1,783)	2:70:B:VAL:HG13	2:62:B:LEU:HD21	2	1.05
(1,783)	2:70:B:VAL:HG11	2:62:B:LEU:HD21	6	1.05
(1,783)	2:70:B:VAL:HG12	2:62:B:LEU:HD22	17	1.05
(1,783)	2:70:B:VAL:HG11	2:62:B:LEU:HD21	18	1.05
(1,783)	2:70:B:VAL:HG11	2:62:B:LEU:HD22	19	1.05
(1,636)	2:76:B:CYS:HA	2:62:B:LEU:HD11	1	1.05
(1,636)	2:76:B:CYS:HA	2:62:B:LEU:HD11	5	1.05
(1,636)	2:76:B:CYS:HA	2:62:B:LEU:HD11	10	1.05
(1,636)	2:76:B:CYS:HA	2:62:B:LEU:HD11	18	1.05
(1,351)	2:82:B:ILE:HG22	2:81:B:CYS:H	5	1.05
(1,137)	2:85:A:MET:HE3	2:9:B:LEU:HD23	2	1.05
(1,6968)	2:17:A:HIS:H	2:26:A:LYS:HE3	3	1.04
(1,6951)	2:82:B:ILE:H	1:1917:C:LEU:HD12	3	1.04
(1,6951)	2:82:B:ILE:H	1:1917:C:LEU:HD11	16	1.04
(1,6824)	2:73:A:GLN:H	2:72:A:PHE:HZ	10	1.04
(1,6627)	2:2:A:ALA:HB3	2:4:A:PRO:HG2	14	1.04
(1,6626)	2:2:B:ALA:HB2	2:7:B:LYS:HE3	5	1.04
(1,6624)	2:2:B:ALA:HB3	2:4:B:PRO:HB2	6	1.04
(1,6550)	2:8:A:ALA:HB3	2:11:B:VAL:HG11	12	1.04
(1,6543)	2:8:A:ALA:HB2	2:7:A:LYS:HE2	20	1.04
(1,6485)	2:11:B:VAL:HG11	2:8:B:ALA:HA	20	1.04
(1,6462)	2:12:A:MET:HE2	2:84:B:MET:H	14	1.04
(1,6412)	2:13:A:VAL:HG11	2:91:B:GLU:HB2	15	1.04
(1,6242)	2:29:B:LEU:HD12	2:37:B:LEU:HD12	7	1.04
(1,6051)	2:42:B:LEU:HD12	2:45:B:PHE:HB3	16	1.04
(1,5959)	2:59:B:MET:HE1	2:58:B:LEU:HA	15	1.04
(1,5836)	2:77:B:VAL:HG12	2:79:B:LEU:HA	15	1.04
(1,5753)	2:84:A:MET:HE3	2:73:B:GLN:H	13	1.04
(1,5742)	2:85:B:MET:HE2	1:1921:C:LEU:HD11	10	1.04
(1,5546)	1:1907:C:ALA:HB1	2:85:A:MET:HE3	8	1.04
(1,5546)	1:1907:C:ALA:HB2	2:85:A:MET:HE3	8	1.04
(1,5546)	1:1907:C:ALA:HB3	2:85:A:MET:HE3	8	1.04
(1,5537)	1:1907:C:ALA:HA	1:1905:C:GLU:HB3	6	1.04
(1,5537)	1:1907:C:ALA:HA	1:1905:C:GLU:HB3	16	1.04
(1,5537)	1:1907:C:ALA:HA	1:1905:C:GLU:HB3	19	1.04
(1,5501)	1:1910:C:MET:HE2	2:84:A:MET:HA	5	1.04
(1,4723)	2:82:A:ILE:HD11	1:1900:C:LEU:HB2	1	1.04
(1,4691)	2:74:B:GLU:HG3	1:1921:C:LEU:HD13	16	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4164)	2:54:B:ALA:HB3	1:1928:C:PHE:HD2	11	1.04
(1,4164)	2:54:B:ALA:HB2	1:1928:C:PHE:HD2	13	1.04
(1,4150)	2:61:B:ASN:HA	1:1926:C:LEU:HG	12	1.04
(1,4023)	2:38:B:LEU:HD22	1:1929:C:VAL:HG21	13	1.04
(1,4023)	2:38:B:LEU:HD22	1:1929:C:VAL:HG22	13	1.04
(1,4023)	2:38:B:LEU:HD22	1:1929:C:VAL:HG23	13	1.04
(1,4017)	2:38:B:LEU:HD22	1:1929:C:VAL:HG11	11	1.04
(1,4017)	2:38:B:LEU:HD22	1:1929:C:VAL:HG12	11	1.04
(1,4017)	2:38:B:LEU:HD22	1:1929:C:VAL:HG13	11	1.04
(1,4017)	2:38:B:LEU:HD21	1:1929:C:VAL:HG11	20	1.04
(1,4017)	2:38:B:LEU:HD21	1:1929:C:VAL:HG12	20	1.04
(1,4017)	2:38:B:LEU:HD21	1:1929:C:VAL:HG13	20	1.04
(1,2889)	2:49:A:ARG:H	2:54:A:ALA:HB1	3	1.04
(1,2065)	2:26:B:LYS:HD3	2:28:B:LYS:H	20	1.04
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD1	19	1.04
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD2	19	1.04
(1,2024)	2:29:A:LEU:HD11	2:72:A:PHE:HE1	3	1.04
(1,2024)	2:29:A:LEU:HD11	2:72:A:PHE:HE2	3	1.04
(1,2024)	2:29:A:LEU:HD11	2:72:A:PHE:HE1	6	1.04
(1,2024)	2:29:A:LEU:HD11	2:72:A:PHE:HE2	6	1.04
(1,2024)	2:29:A:LEU:HD11	2:72:A:PHE:HE1	13	1.04
(1,2024)	2:29:A:LEU:HD11	2:72:A:PHE:HE2	13	1.04
(1,1962)	2:34:B:LEU:HD23	2:62:B:LEU:HD23	16	1.04
(1,1403)	2:49:A:ARG:HA	2:54:A:ALA:HB2	17	1.04
(1,1303)	2:54:B:ALA:HB3	1:1928:C:PHE:HD2	11	1.04
(1,1303)	2:54:B:ALA:HB2	1:1928:C:PHE:HD2	13	1.04
(1,1103)	2:59:B:MET:HE3	2:67:B:ASP:H	1	1.04
(1,1103)	2:59:B:MET:HE3	2:67:B:ASP:H	14	1.04
(1,1073)	2:59:B:MET:HE1	2:34:B:LEU:HD22	8	1.04
(1,1071)	2:59:B:MET:HE3	2:29:B:LEU:HD22	9	1.04
(1,783)	2:70:B:VAL:HG12	2:62:B:LEU:HD22	10	1.04
(1,727)	2:70:A:VAL:HG21	2:75:A:TYR:HB3	8	1.04
(1,727)	2:70:A:VAL:HG22	2:75:A:TYR:HB3	14	1.04
(1,636)	2:76:B:CYS:HA	2:62:B:LEU:HD11	2	1.04
(1,636)	2:76:B:CYS:HA	2:62:B:LEU:HD11	13	1.04
(1,515)	2:79:B:LEU:HD13	2:82:B:ILE:HB	2	1.04
(1,515)	2:79:B:LEU:HD13	2:82:B:ILE:HB	10	1.04
(1,514)	2:79:B:LEU:HD13	2:15:B:THR:HG23	3	1.04
(1,6968)	2:17:A:HIS:H	2:26:A:LYS:HE2	17	1.03
(1,6951)	2:82:B:ILE:H	1:1917:C:LEU:HD13	7	1.03
(1,6627)	2:2:A:ALA:HB2	2:4:A:PRO:HG2	8	1.03
(1,6618)	2:2:B:ALA:HA	2:7:B:LYS:HE3	5	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6591)	2:5:B:LEU:HD21	2:12:A:MET:HE1	20	1.03
(1,6543)	2:8:B:ALA:HB3	2:7:B:LYS:HE3	9	1.03
(1,6543)	2:8:B:ALA:HB3	2:10:B:ASP:HB2	10	1.03
(1,6485)	2:11:B:VAL:HG12	2:8:B:ALA:HA	19	1.03
(1,6459)	2:12:A:MET:HE3	2:72:A:PHE:HE1	6	1.03
(1,6457)	2:12:A:MET:HE1	2:8:A:ALA:HA	6	1.03
(1,6457)	2:12:A:MET:HE1	2:8:A:ALA:HA	13	1.03
(1,6457)	2:12:A:MET:HE1	2:8:A:ALA:HA	16	1.03
(1,6448)	2:12:A:MET:HE1	2:9:A:LEU:HD22	15	1.03
(1,6270)	2:27:B:PHE:HA	2:75:B:TYR:HD2	15	1.03
(1,6152)	2:37:B:LEU:HD21	2:19:B:TYR:HE2	15	1.03
(1,6066)	2:40:A:ARG:HD3	2:19:A:TYR:HD1	10	1.03
(1,6002)	2:50:A:THR:HG23	2:48:A:LYS:H	7	1.03
(1,5971)	2:58:B:LEU:HD11	1:1921:C:LEU:HB2	9	1.03
(1,5836)	2:77:B:VAL:HG13	2:79:B:LEU:HA	14	1.03
(1,5836)	2:77:B:VAL:HG11	2:79:B:LEU:HA	17	1.03
(1,5786)	2:82:B:ILE:HD13	2:80:B:SER:H	11	1.03
(1,5747)	2:85:B:MET:HE1	2:61:B:ASN:HD21	10	1.03
(1,5546)	1:1907:C:ALA:HB1	2:85:A:MET:HE3	17	1.03
(1,5546)	1:1907:C:ALA:HB2	2:85:A:MET:HE3	17	1.03
(1,5546)	1:1907:C:ALA:HB3	2:85:A:MET:HE3	17	1.03
(1,5546)	1:1907:C:ALA:HB1	2:85:A:MET:HE3	18	1.03
(1,5546)	1:1907:C:ALA:HB2	2:85:A:MET:HE3	18	1.03
(1,5546)	1:1907:C:ALA:HB3	2:85:A:MET:HE3	18	1.03
(1,5537)	1:1907:C:ALA:HA	1:1905:C:GLU:HB3	13	1.03
(1,5537)	1:1907:C:ALA:HA	1:1905:C:GLU:HB3	14	1.03
(1,4723)	2:82:A:ILE:HD11	1:1900:C:LEU:HB2	11	1.03
(1,4723)	2:82:A:ILE:HD11	1:1900:C:LEU:HB2	16	1.03
(1,4164)	2:54:B:ALA:HB2	1:1928:C:PHE:HD2	15	1.03
(1,4023)	2:38:B:LEU:HD22	1:1929:C:VAL:HG21	4	1.03
(1,4023)	2:38:B:LEU:HD22	1:1929:C:VAL:HG22	4	1.03
(1,4023)	2:38:B:LEU:HD22	1:1929:C:VAL:HG23	4	1.03
(1,4017)	2:38:B:LEU:HD21	1:1929:C:VAL:HG11	16	1.03
(1,4017)	2:38:B:LEU:HD21	1:1929:C:VAL:HG12	16	1.03
(1,4017)	2:38:B:LEU:HD21	1:1929:C:VAL:HG13	16	1.03
(1,2199)	2:15:A:THR:HG21	2:5:B:LEU:HD12	16	1.03
(1,1988)	2:31:A:LYS:HD3	2:55:A:PHE:HD2	10	1.03
(1,1962)	2:34:B:LEU:HD23	2:62:B:LEU:HD21	20	1.03
(1,1403)	2:49:A:ARG:HA	2:54:A:ALA:HB2	3	1.03
(1,1303)	2:54:B:ALA:HB2	1:1928:C:PHE:HD2	15	1.03
(1,1119)	2:58:A:LEU:HD11	2:57:A:LYS:H	4	1.03
(1,1098)	2:59:B:MET:HE3	2:62:B:LEU:H	7	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1044)	2:59:A:MET:HE1	2:59:A:MET:H	5	1.03
(1,1044)	2:59:A:MET:HE1	2:59:A:MET:H	10	1.03
(1,1041)	2:59:A:MET:HE3	2:55:A:PHE:HD1	1	1.03
(1,727)	2:70:A:VAL:HG21	2:75:A:TYR:HB3	13	1.03
(1,636)	2:76:B:CYS:HA	2:62:B:LEU:HD11	6	1.03
(1,515)	2:79:B:LEU:HD13	2:82:B:ILE:HB	4	1.03
(1,515)	2:79:B:LEU:HD13	2:82:B:ILE:HB	6	1.03
(1,514)	2:79:B:LEU:HD12	2:15:B:THR:HG22	12	1.03
(1,137)	2:85:A:MET:HE1	2:9:B:LEU:HD21	12	1.03
(1,137)	2:85:A:MET:HE1	2:9:B:LEU:HD23	15	1.03
(1,6624)	2:2:B:ALA:HB2	2:4:B:PRO:HB2	17	1.02
(1,6415)	2:13:A:VAL:HG13	2:89:B:PHE:HB2	16	1.02
(1,6242)	2:29:B:LEU:HD11	2:37:B:LEU:HD13	20	1.02
(1,6135)	2:37:A:LEU:HD11	2:41:A:GLU:HB2	3	1.02
(1,6042)	2:42:A:LEU:HD13	2:8:B:ALA:H	4	1.02
(1,5927)	2:62:B:LEU:HD23	2:85:B:MET:HE1	7	1.02
(1,5836)	2:77:B:VAL:HG11	2:79:B:LEU:HA	1	1.02
(1,5836)	2:77:B:VAL:HG12	2:79:B:LEU:HA	9	1.02
(1,5836)	2:77:B:VAL:HG11	2:79:B:LEU:HA	11	1.02
(1,5826)	2:77:A:VAL:HG11	2:76:A:CYS:HG	1	1.02
(1,5752)	2:84:A:MET:HE2	2:86:A:CYS:H	5	1.02
(1,5746)	2:85:B:MET:HE3	2:78:B:PHE:HE2	6	1.02
(1,5546)	1:1907:C:ALA:HB1	2:85:A:MET:HE3	5	1.02
(1,5546)	1:1907:C:ALA:HB2	2:85:A:MET:HE3	5	1.02
(1,5546)	1:1907:C:ALA:HB3	2:85:A:MET:HE3	5	1.02
(1,5128)	1:1934:C:MET:HE2	2:6:A:GLU:HA	19	1.02
(1,4723)	2:82:A:ILE:HD11	1:1900:C:LEU:HB2	8	1.02
(1,4166)	2:54:A:ALA:HB3	1:1898:C:ARG:HB3	6	1.02
(1,4126)	2:76:A:CYS:HA	1:1910:C:MET:HG2	18	1.02
(1,4060)	2:85:B:MET:HE3	1:1928:C:PHE:HB3	6	1.02
(1,4060)	2:85:B:MET:HE3	1:1928:C:PHE:HB3	10	1.02
(1,4023)	2:38:B:LEU:HD23	1:1929:C:VAL:HG21	3	1.02
(1,4023)	2:38:B:LEU:HD23	1:1929:C:VAL:HG22	3	1.02
(1,4023)	2:38:B:LEU:HD23	1:1929:C:VAL:HG23	3	1.02
(1,2280)	2:12:B:MET:HE2	2:84:A:MET:H	14	1.02
(1,2280)	2:12:B:MET:HE3	2:84:A:MET:H	15	1.02
(1,2024)	2:29:A:LEU:HD12	2:72:A:PHE:HE1	18	1.02
(1,2024)	2:29:A:LEU:HD12	2:72:A:PHE:HE2	18	1.02
(1,2024)	2:29:A:LEU:HD12	2:72:A:PHE:HE1	19	1.02
(1,2024)	2:29:A:LEU:HD12	2:72:A:PHE:HE2	19	1.02
(1,2024)	2:29:A:LEU:HD12	2:72:A:PHE:HE1	20	1.02
(1,2024)	2:29:A:LEU:HD12	2:72:A:PHE:HE2	20	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1582)	2:42:B:LEU:HD13	2:82:B:ILE:HG22	6	1.02
(1,1544)	2:42:A:LEU:HD12	2:82:A:ILE:HG22	15	1.02
(1,1485)	2:46:A:LEU:HD21	2:39:A:THR:HG21	16	1.02
(1,1119)	2:58:A:LEU:HD11	2:57:A:LYS:H	18	1.02
(1,1102)	2:59:B:MET:HE2	2:34:B:LEU:H	10	1.02
(1,1098)	2:59:B:MET:HE1	2:62:B:LEU:H	16	1.02
(1,636)	2:76:B:CYS:HA	2:62:B:LEU:HD11	7	1.02
(1,636)	2:76:B:CYS:HA	2:62:B:LEU:HD11	14	1.02
(1,636)	2:76:B:CYS:HA	2:62:B:LEU:HD11	15	1.02
(1,636)	2:76:B:CYS:HA	2:62:B:LEU:HD11	19	1.02
(1,636)	2:76:B:CYS:HA	2:62:B:LEU:HD11	20	1.02
(1,621)	2:76:A:CYS:HA	1:1910:C:MET:HG2	18	1.02
(1,515)	2:79:B:LEU:HD13	2:82:B:ILE:HB	7	1.02
(1,515)	2:79:B:LEU:HD12	2:82:B:ILE:HB	11	1.02
(1,514)	2:79:B:LEU:HD12	2:15:B:THR:HG23	1	1.02
(1,351)	2:82:B:ILE:HG22	2:81:B:CYS:H	7	1.02
(1,137)	2:85:A:MET:HE1	2:9:B:LEU:HD23	20	1.02
(1,6824)	2:73:A:GLN:H	2:75:A:TYR:HD2	5	1.01
(1,6706)	2:23:B:GLU:H	2:26:B:LYS:HA	12	1.01
(1,6626)	2:2:B:ALA:HB1	2:7:B:LYS:HE3	9	1.01
(1,6591)	2:5:B:LEU:HD21	2:12:A:MET:HE1	16	1.01
(1,6550)	2:8:A:ALA:HB1	2:11:B:VAL:HG12	15	1.01
(1,6543)	2:8:B:ALA:HB1	2:10:B:ASP:HB2	1	1.01
(1,6543)	2:8:B:ALA:HB3	2:10:B:ASP:HB2	3	1.01
(1,6485)	2:11:A:VAL:HG12	2:8:A:ALA:HA	7	1.01
(1,6462)	2:12:A:MET:HE2	2:84:B:MET:H	2	1.01
(1,6442)	2:12:B:MET:HE3	2:75:B:TYR:HD1	10	1.01
(1,6098)	2:38:B:LEU:HD13	2:31:B:LYS:HA	4	1.01
(1,5787)	2:82:B:ILE:HD13	2:81:B:CYS:H	5	1.01
(1,5786)	2:82:B:ILE:HD13	2:80:B:SER:H	17	1.01
(1,5758)	2:84:B:MET:HE1	2:73:A:GLN:H	12	1.01
(1,5747)	2:85:B:MET:HE1	2:61:B:ASN:HD21	3	1.01
(1,5747)	2:85:B:MET:HE1	2:61:B:ASN:HD21	6	1.01
(1,5546)	1:1907:C:ALA:HB1	2:85:A:MET:HE3	2	1.01
(1,5546)	1:1907:C:ALA:HB2	2:85:A:MET:HE3	2	1.01
(1,5546)	1:1907:C:ALA:HB3	2:85:A:MET:HE3	2	1.01
(1,5546)	1:1907:C:ALA:HB1	2:85:A:MET:HE3	16	1.01
(1,5546)	1:1907:C:ALA:HB2	2:85:A:MET:HE3	16	1.01
(1,5546)	1:1907:C:ALA:HB3	2:85:A:MET:HE3	16	1.01
(1,5546)	1:1907:C:ALA:HB1	2:85:A:MET:HE3	19	1.01
(1,5546)	1:1907:C:ALA:HB2	2:85:A:MET:HE3	19	1.01
(1,5546)	1:1907:C:ALA:HB3	2:85:A:MET:HE3	19	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5546)	1:1907:C:ALA:HB1	2:85:A:MET:HE3	20	1.01
(1,5546)	1:1907:C:ALA:HB2	2:85:A:MET:HE3	20	1.01
(1,5546)	1:1907:C:ALA:HB3	2:85:A:MET:HE3	20	1.01
(1,5537)	1:1907:C:ALA:HA	1:1905:C:GLU:HB3	7	1.01
(1,5537)	1:1907:C:ALA:HA	1:1905:C:GLU:HB3	9	1.01
(1,5524)	1:1909:C:ALA:HB2	1:1912:C:ARG:HB2	12	1.01
(1,4691)	2:74:B:GLU:HG3	1:1921:C:LEU:HD13	7	1.01
(1,4186)	2:42:A:LEU:HD11	1:1900:C:LEU:HD21	4	1.01
(1,4186)	2:42:A:LEU:HD11	1:1900:C:LEU:HD22	4	1.01
(1,4186)	2:42:A:LEU:HD11	1:1900:C:LEU:HD23	4	1.01
(1,4126)	2:76:A:CYS:HA	1:1910:C:MET:HG2	14	1.01
(1,4060)	2:85:B:MET:HE3	1:1928:C:PHE:HB3	4	1.01
(1,4060)	2:85:B:MET:HE1	1:1928:C:PHE:HB3	7	1.01
(1,4043)	2:85:A:MET:HE2	1:1898:C:ARG:HG2	5	1.01
(1,4023)	2:38:B:LEU:HD22	1:1929:C:VAL:HG21	11	1.01
(1,4023)	2:38:B:LEU:HD22	1:1929:C:VAL:HG22	11	1.01
(1,4023)	2:38:B:LEU:HD22	1:1929:C:VAL:HG23	11	1.01
(1,4017)	2:38:B:LEU:HD22	1:1929:C:VAL:HG11	8	1.01
(1,4017)	2:38:B:LEU:HD22	1:1929:C:VAL:HG12	8	1.01
(1,4017)	2:38:B:LEU:HD22	1:1929:C:VAL:HG13	8	1.01
(1,4017)	2:38:B:LEU:HD23	1:1929:C:VAL:HG11	18	1.01
(1,4017)	2:38:B:LEU:HD23	1:1929:C:VAL:HG12	18	1.01
(1,4017)	2:38:B:LEU:HD23	1:1929:C:VAL:HG13	18	1.01
(1,2546)	2:5:A:LEU:HD23	2:12:B:MET:HB3	13	1.01
(1,2280)	2:12:B:MET:HE2	2:84:A:MET:H	12	1.01
(1,2199)	2:15:A:THR:HG23	2:5:B:LEU:HD12	8	1.01
(1,2199)	2:15:A:THR:HG23	2:5:B:LEU:HD11	17	1.01
(1,2024)	2:29:A:LEU:HD11	2:72:A:PHE:HE1	16	1.01
(1,2024)	2:29:A:LEU:HD11	2:72:A:PHE:HE2	16	1.01
(1,1712)	2:38:A:LEU:HD13	2:46:A:LEU:HB3	1	1.01
(1,1403)	2:49:A:ARG:HA	2:54:A:ALA:HB3	19	1.01
(1,1103)	2:59:B:MET:HE3	2:67:B:ASP:H	12	1.01
(1,1103)	2:59:B:MET:HE3	2:67:B:ASP:H	13	1.01
(1,1098)	2:59:B:MET:HE2	2:62:B:LEU:H	19	1.01
(1,1071)	2:59:B:MET:HE3	2:29:B:LEU:HD22	4	1.01
(1,1071)	2:59:B:MET:HE3	2:29:B:LEU:HD23	10	1.01
(1,1053)	2:59:A:MET:HE3	2:75:A:TYR:HD1	3	1.01
(1,1053)	2:59:A:MET:HE3	2:75:A:TYR:HD2	3	1.01
(1,1044)	2:59:A:MET:HE1	2:59:A:MET:H	11	1.01
(1,1000)	2:60:B:SER:HB2	2:59:B:MET:HE1	6	1.01
(1,636)	2:76:B:CYS:HA	2:62:B:LEU:HD11	16	1.01
(1,621)	2:76:A:CYS:HA	1:1910:C:MET:HG2	14	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,137)	2:85:A:MET:HE1	2:9:B:LEU:HD22	7	1.01
(1,6947)	2:80:B:SER:H	1:1917:C:LEU:HD13	2	1.0
(1,6667)	2:26:A:LYS:H	2:27:A:PHE:HD2	20	1.0
(1,6627)	2:2:A:ALA:HB3	2:4:A:PRO:HG2	6	1.0
(1,6626)	2:2:A:ALA:HB1	2:7:A:LYS:HE3	10	1.0
(1,6619)	2:2:A:ALA:HB1	2:6:A:GLU:H	18	1.0
(1,6485)	2:11:B:VAL:HG11	2:8:B:ALA:HA	9	1.0
(1,6485)	2:11:B:VAL:HG11	2:8:B:ALA:HA	11	1.0
(1,6485)	2:11:A:VAL:HG11	2:8:A:ALA:HA	13	1.0
(1,6459)	2:12:A:MET:HE2	2:72:A:PHE:HE1	5	1.0
(1,6459)	2:12:A:MET:HE3	2:72:A:PHE:HE1	20	1.0
(1,6433)	2:12:B:MET:HG3	2:13:B:VAL:HG12	18	1.0
(1,6098)	2:38:B:LEU:HD11	2:31:B:LYS:HA	17	1.0
(1,6010)	2:49:B:ARG:HD2	2:35:B:LYS:HD2	16	1.0
(1,5818)	2:79:B:LEU:HD21	2:80:B:SER:HB3	6	1.0
(1,5792)	2:82:B:ILE:HD12	1:1921:C:LEU:HD13	6	1.0
(1,5792)	2:82:B:ILE:HD12	1:1921:C:LEU:HD13	8	1.0
(1,5787)	2:82:B:ILE:HD13	2:81:B:CYS:H	14	1.0
(1,5758)	2:84:B:MET:HE1	2:73:A:GLN:H	15	1.0
(1,5752)	2:84:A:MET:HE2	2:86:A:CYS:H	13	1.0
(1,5747)	2:85:B:MET:HE1	2:61:B:ASN:HD21	5	1.0
(1,5747)	2:85:B:MET:HE1	2:61:B:ASN:HD21	12	1.0
(1,5546)	1:1907:C:ALA:HB1	2:85:A:MET:HE3	6	1.0
(1,5546)	1:1907:C:ALA:HB2	2:85:A:MET:HE3	6	1.0
(1,5546)	1:1907:C:ALA:HB3	2:85:A:MET:HE3	6	1.0
(1,5546)	1:1907:C:ALA:HB1	2:85:A:MET:HE3	15	1.0
(1,5546)	1:1907:C:ALA:HB2	2:85:A:MET:HE3	15	1.0
(1,5546)	1:1907:C:ALA:HB3	2:85:A:MET:HE3	15	1.0
(1,4060)	2:85:B:MET:HE1	1:1928:C:PHE:HB3	13	1.0
(1,2280)	2:12:B:MET:HE2	2:84:A:MET:H	17	1.0
(1,2199)	2:15:A:THR:HG23	2:5:B:LEU:HD11	2	1.0
(1,2199)	2:15:A:THR:HG22	2:5:B:LEU:HD11	12	1.0
(1,1962)	2:34:B:LEU:HD22	2:62:B:LEU:HD22	8	1.0
(1,1485)	2:46:A:LEU:HD22	2:39:A:THR:HG21	15	1.0
(1,1407)	2:49:A:ARG:HG2	2:54:A:ALA:HB1	16	1.0
(1,1403)	2:49:A:ARG:HA	2:54:A:ALA:HB3	14	1.0
(1,1073)	2:59:B:MET:HE3	2:34:B:LEU:HD21	3	1.0
(1,1071)	2:59:B:MET:HE3	2:29:B:LEU:HD22	6	1.0
(1,1044)	2:59:A:MET:HE3	2:59:A:MET:H	4	1.0
(1,1044)	2:59:A:MET:HE3	2:59:A:MET:H	20	1.0
(1,727)	2:70:A:VAL:HG21	2:75:A:TYR:HB3	3	1.0
(1,636)	2:76:B:CYS:HA	2:62:B:LEU:HD11	4	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,636)	2:76:B:CYS:HA	2:62:B:LEU:HD11	8	1.0
(1,515)	2:79:B:LEU:HD13	2:82:B:ILE:HB	13	1.0
(1,460)	2:79:A:LEU:HD22	2:76:A:CYS:HA	20	1.0
(1,240)	2:84:B:MET:HE2	1:1918:C:LYS:HD2	6	1.0
(1,6951)	2:82:B:ILE:H	1:1917:C:LEU:HD13	15	0.99
(1,6627)	2:2:A:ALA:HB2	2:4:A:PRO:HG2	11	0.99
(1,6485)	2:11:A:VAL:HG12	2:8:A:ALA:HA	17	0.99
(1,6485)	2:11:B:VAL:HG11	2:8:B:ALA:HA	18	0.99
(1,6462)	2:12:A:MET:HE2	2:84:B:MET:H	8	0.99
(1,6462)	2:12:A:MET:HE2	2:84:B:MET:H	18	0.99
(1,6433)	2:12:B:MET:HG3	2:13:B:VAL:HG12	3	0.99
(1,6433)	2:12:B:MET:HG3	2:11:B:VAL:HG12	8	0.99
(1,6433)	2:12:B:MET:HG3	2:13:B:VAL:HG11	9	0.99
(1,6098)	2:38:B:LEU:HD13	2:31:B:LYS:HA	2	0.99
(1,5927)	2:62:B:LEU:HD22	2:85:B:MET:HE1	3	0.99
(1,5927)	2:62:B:LEU:HD22	2:85:B:MET:HE1	6	0.99
(1,5779)	2:82:A:ILE:HG22	2:42:A:LEU:HD12	9	0.99
(1,5753)	2:84:A:MET:HE3	2:73:B:GLN:H	18	0.99
(1,5746)	2:85:B:MET:HE3	2:78:B:PHE:HE1	4	0.99
(1,5746)	2:85:B:MET:HE3	2:78:B:PHE:HE1	15	0.99
(1,5657)	1:1900:C:LEU:HD13	2:46:A:LEU:HA	7	0.99
(1,4691)	2:74:B:GLU:HG3	1:1921:C:LEU:HD13	15	0.99
(1,4178)	2:46:A:LEU:HD22	1:1897:C:GLN:HG2	18	0.99
(1,4023)	2:38:B:LEU:HD23	1:1929:C:VAL:HG21	2	0.99
(1,4023)	2:38:B:LEU:HD23	1:1929:C:VAL:HG22	2	0.99
(1,4023)	2:38:B:LEU:HD23	1:1929:C:VAL:HG23	2	0.99
(1,4016)	2:46:B:LEU:HD22	1:1929:C:VAL:HG21	5	0.99
(1,4016)	2:46:B:LEU:HD22	1:1929:C:VAL:HG22	5	0.99
(1,4016)	2:46:B:LEU:HD22	1:1929:C:VAL:HG23	5	0.99
(1,2199)	2:15:A:THR:HG23	2:5:B:LEU:HD13	11	0.99
(1,1072)	2:59:B:MET:HE3	2:29:B:LEU:HD13	8	0.99
(1,727)	2:70:A:VAL:HG22	2:75:A:TYR:HB3	1	0.99
(1,727)	2:70:A:VAL:HG21	2:75:A:TYR:HB3	7	0.99
(1,636)	2:76:B:CYS:HA	2:62:B:LEU:HD11	3	0.99
(1,636)	2:76:B:CYS:HA	2:62:B:LEU:HD11	11	0.99
(1,6951)	2:82:B:ILE:H	1:1917:C:LEU:HD12	1	0.98
(1,6667)	2:26:A:LYS:H	2:27:A:PHE:HD2	3	0.98
(1,6626)	2:2:B:ALA:HB3	2:7:B:LYS:HE3	19	0.98
(1,6624)	2:2:B:ALA:HB2	2:4:B:PRO:HB2	7	0.98
(1,6624)	2:2:B:ALA:HB2	2:4:B:PRO:HB2	12	0.98
(1,6537)	2:8:A:ALA:HB2	2:12:B:MET:HG3	13	0.98
(1,6485)	2:11:B:VAL:HG13	2:8:B:ALA:HA	1	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6442)	2:12:B:MET:HE3	2:75:B:TYR:HD1	2	0.98
(1,6333)	2:23:B:GLU:HG2	2:22:B:LYS:H	7	0.98
(1,6208)	2:32:A:SER:HB3	2:30:A:ASN:HD22	2	0.98
(1,6104)	2:38:B:LEU:HD23	2:82:B:ILE:HB	17	0.98
(1,6066)	2:40:A:ARG:HD3	2:19:A:TYR:HD1	5	0.98
(1,6042)	2:42:A:LEU:HD13	2:8:B:ALA:H	9	0.98
(1,6019)	2:46:A:LEU:HD22	2:55:A:PHE:HA	19	0.98
(1,5927)	2:62:B:LEU:HD23	2:85:B:MET:HE1	19	0.98
(1,5818)	2:79:B:LEU:HD21	2:80:B:SER:HB3	11	0.98
(1,5746)	2:85:B:MET:HE3	2:78:B:PHE:HE1	11	0.98
(1,5657)	1:1900:C:LEU:HD11	2:46:A:LEU:HA	9	0.98
(1,5537)	1:1907:C:ALA:HA	1:1905:C:GLU:HB3	3	0.98
(1,5501)	1:1910:C:MET:HE2	2:84:A:MET:HA	12	0.98
(1,4411)	2:46:B:LEU:HD11	1:1928:C:PHE:HD1	6	0.98
(1,4178)	2:46:A:LEU:HD21	1:1897:C:GLN:HG2	11	0.98
(1,4023)	2:38:B:LEU:HD22	1:1929:C:VAL:HG21	10	0.98
(1,4023)	2:38:B:LEU:HD22	1:1929:C:VAL:HG22	10	0.98
(1,4023)	2:38:B:LEU:HD22	1:1929:C:VAL:HG23	10	0.98
(1,4023)	2:38:B:LEU:HD23	1:1929:C:VAL:HG21	14	0.98
(1,4023)	2:38:B:LEU:HD23	1:1929:C:VAL:HG22	14	0.98
(1,4023)	2:38:B:LEU:HD23	1:1929:C:VAL:HG23	14	0.98
(1,4023)	2:38:B:LEU:HD21	1:1929:C:VAL:HG21	20	0.98
(1,4023)	2:38:B:LEU:HD21	1:1929:C:VAL:HG22	20	0.98
(1,4023)	2:38:B:LEU:HD21	1:1929:C:VAL:HG23	20	0.98
(1,4017)	2:38:B:LEU:HD23	1:1929:C:VAL:HG11	14	0.98
(1,4017)	2:38:B:LEU:HD23	1:1929:C:VAL:HG12	14	0.98
(1,4017)	2:38:B:LEU:HD23	1:1929:C:VAL:HG13	14	0.98
(1,4010)	2:58:B:LEU:HD11	1:1917:C:LEU:HD11	7	0.98
(1,4010)	2:58:B:LEU:HD11	1:1917:C:LEU:HD12	7	0.98
(1,4010)	2:58:B:LEU:HD11	1:1917:C:LEU:HD13	7	0.98
(1,2386)	2:9:B:LEU:HD13	2:5:B:LEU:HB3	11	0.98
(1,2386)	2:9:B:LEU:HD13	2:5:B:LEU:HB3	19	0.98
(1,2280)	2:12:B:MET:HE3	2:84:A:MET:H	3	0.98
(1,1902)	2:34:A:LEU:HD13	2:60:A:SER:H	8	0.98
(1,1902)	2:34:A:LEU:HD13	2:60:A:SER:H	14	0.98
(1,1582)	2:42:B:LEU:HD12	2:82:B:ILE:HG23	15	0.98
(1,1283)	2:54:A:ALA:HB3	1:1897:C:GLN:HE22	20	0.98
(1,1119)	2:58:A:LEU:HD11	2:57:A:LYS:H	10	0.98
(1,1119)	2:58:A:LEU:HD11	2:57:A:LYS:H	14	0.98
(1,1119)	2:58:A:LEU:HD13	2:57:A:LYS:H	16	0.98
(1,1102)	2:59:B:MET:HE3	2:34:B:LEU:H	17	0.98
(1,1073)	2:59:B:MET:HE3	2:34:B:LEU:HD21	4	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1073)	2:59:B:MET:HE3	2:34:B:LEU:HD21	11	0.98
(1,1044)	2:59:A:MET:HE3	2:59:A:MET:H	13	0.98
(1,783)	2:70:B:VAL:HG12	2:62:B:LEU:HD22	12	0.98
(1,783)	2:70:B:VAL:HG12	2:62:B:LEU:HD21	13	0.98
(1,727)	2:70:A:VAL:HG22	2:75:A:TYR:HB3	6	0.98
(1,727)	2:70:A:VAL:HG23	2:75:A:TYR:HB3	16	0.98
(1,514)	2:79:B:LEU:HD13	2:15:B:THR:HG23	8	0.98
(1,351)	2:82:B:ILE:HG22	2:81:B:CYS:H	16	0.98
(1,6591)	2:5:B:LEU:HD21	2:12:A:MET:HE1	6	0.97
(1,6550)	2:8:A:ALA:HB3	2:11:B:VAL:HG13	19	0.97
(1,6485)	2:11:B:VAL:HG12	2:8:B:ALA:HA	4	0.97
(1,6459)	2:12:A:MET:HE2	2:72:A:PHE:HE2	19	0.97
(1,6302)	2:26:B:LYS:HD3	2:25:B:ASP:HA	7	0.97
(1,6286)	2:26:A:LYS:HB3	2:27:A:PHE:HD2	14	0.97
(1,6135)	2:37:B:LEU:HD11	2:41:B:GLU:HB2	2	0.97
(1,6098)	2:38:B:LEU:HD12	2:31:B:LYS:HA	19	0.97
(1,6041)	2:42:A:LEU:HD12	2:39:A:THR:H	15	0.97
(1,5818)	2:79:B:LEU:HD21	2:80:B:SER:HB3	12	0.97
(1,5792)	2:82:B:ILE:HD12	1:1921:C:LEU:HD12	15	0.97
(1,5787)	2:82:B:ILE:HD12	2:81:B:CYS:H	6	0.97
(1,5753)	2:84:A:MET:HE1	2:73:B:GLN:H	17	0.97
(1,5026)	1:1907:C:ALA:H	2:85:A:MET:HB2	8	0.97
(1,4060)	2:85:B:MET:HE3	1:1928:C:PHE:HB3	1	0.97
(1,4043)	2:85:A:MET:HE2	1:1898:C:ARG:HG3	19	0.97
(1,2546)	2:5:A:LEU:HD23	2:12:B:MET:HB3	6	0.97
(1,2275)	2:12:B:MET:HE3	2:80:B:SER:HA	17	0.97
(1,2199)	2:15:A:THR:HG23	2:5:B:LEU:HD12	3	0.97
(1,1712)	2:38:A:LEU:HD12	2:46:A:LEU:HB3	6	0.97
(1,1712)	2:38:A:LEU:HD11	2:46:A:LEU:HB3	8	0.97
(1,1712)	2:38:A:LEU:HD12	2:46:A:LEU:HB3	16	0.97
(1,1570)	2:42:A:LEU:HD13	2:19:A:TYR:HD1	7	0.97
(1,1570)	2:42:A:LEU:HD13	2:19:A:TYR:HD2	7	0.97
(1,1485)	2:46:A:LEU:HD23	2:39:A:THR:HG21	9	0.97
(1,1483)	2:46:A:LEU:HD23	1:1897:C:GLN:HG2	19	0.97
(1,1408)	2:49:A:ARG:HD2	2:54:A:ALA:HB1	16	0.97
(1,1403)	2:49:A:ARG:HA	2:54:A:ALA:HB1	20	0.97
(1,1096)	2:59:B:MET:HE3	2:75:B:TYR:HD1	5	0.97
(1,1096)	2:59:B:MET:HE3	2:75:B:TYR:HD2	5	0.97
(1,1073)	2:59:B:MET:HE1	2:34:B:LEU:HD21	14	0.97
(1,1044)	2:59:A:MET:HE3	2:59:A:MET:H	7	0.97
(1,636)	2:76:B:CYS:HA	2:62:B:LEU:HD11	17	0.97
(1,515)	2:79:B:LEU:HD12	2:82:B:ILE:HB	16	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,376)	2:82:B:ILE:HG23	1:1929:C:VAL:HG11	5	0.97
(1,376)	2:82:B:ILE:HG23	1:1929:C:VAL:HG12	5	0.97
(1,376)	2:82:B:ILE:HG23	1:1929:C:VAL:HG13	5	0.97
(1,6619)	2:2:A:ALA:HB3	2:6:A:GLU:H	2	0.96
(1,6550)	2:8:A:ALA:HB3	2:11:B:VAL:HG11	1	0.96
(1,6543)	2:8:B:ALA:HB2	2:7:B:LYS:HE2	5	0.96
(1,6543)	2:8:B:ALA:HB2	2:10:B:ASP:HB2	15	0.96
(1,6485)	2:11:B:VAL:HG11	2:8:B:ALA:HA	5	0.96
(1,6482)	2:11:B:VAL:HG11	2:7:B:LYS:HE3	7	0.96
(1,6427)	2:13:A:VAL:HG21	2:72:A:PHE:HE1	11	0.96
(1,6415)	2:13:A:VAL:HG13	2:89:B:PHE:HB2	3	0.96
(1,6242)	2:29:B:LEU:HD11	2:37:B:LEU:HD13	17	0.96
(1,6152)	2:37:B:LEU:HD21	2:19:B:TYR:HE2	12	0.96
(1,6147)	2:37:A:LEU:HD22	2:15:A:THR:HG23	4	0.96
(1,6047)	2:42:B:LEU:HD13	2:79:B:LEU:HD22	19	0.96
(1,6037)	2:42:A:LEU:HD11	2:3:B:CYS:HB3	16	0.96
(1,6010)	2:49:B:ARG:HD2	2:35:B:LYS:HD2	20	0.96
(1,5959)	2:59:B:MET:HE2	2:60:B:SER:HB2	14	0.96
(1,5752)	2:84:A:MET:HE2	2:86:A:CYS:H	18	0.96
(1,5746)	2:85:B:MET:HE3	2:78:B:PHE:HE2	12	0.96
(1,5501)	1:1910:C:MET:HE3	2:84:A:MET:HA	9	0.96
(1,5395)	1:1914:C:VAL:HG13	1:1912:C:ARG:HD2	19	0.96
(1,5026)	1:1907:C:ALA:H	2:85:A:MET:HB2	7	0.96
(1,5026)	1:1907:C:ALA:H	2:85:A:MET:HB2	10	0.96
(1,5026)	1:1907:C:ALA:H	2:85:A:MET:HB2	16	0.96
(1,4178)	2:46:A:LEU:HD23	1:1897:C:GLN:HG2	9	0.96
(1,4060)	2:85:B:MET:HE3	1:1928:C:PHE:HB3	11	0.96
(1,4060)	2:85:B:MET:HE3	1:1928:C:PHE:HB3	20	0.96
(1,4023)	2:38:B:LEU:HD21	1:1929:C:VAL:HG21	17	0.96
(1,4023)	2:38:B:LEU:HD21	1:1929:C:VAL:HG22	17	0.96
(1,4023)	2:38:B:LEU:HD21	1:1929:C:VAL:HG23	17	0.96
(1,4013)	2:46:B:LEU:HD21	1:1928:C:PHE:HZ	8	0.96
(1,2199)	2:15:A:THR:HG22	2:5:B:LEU:HD12	18	0.96
(1,2199)	2:15:A:THR:HG21	2:5:B:LEU:HD12	20	0.96
(1,2024)	2:29:A:LEU:HD11	2:72:A:PHE:HE1	12	0.96
(1,2024)	2:29:A:LEU:HD11	2:72:A:PHE:HE2	12	0.96
(1,1902)	2:34:A:LEU:HD13	2:60:A:SER:H	9	0.96
(1,1485)	2:46:A:LEU:HD21	2:39:A:THR:HG21	8	0.96
(1,1119)	2:58:A:LEU:HD11	2:57:A:LYS:H	2	0.96
(1,1119)	2:58:A:LEU:HD11	2:57:A:LYS:H	17	0.96
(1,1096)	2:59:B:MET:HE3	2:75:B:TYR:HD1	13	0.96
(1,1096)	2:59:B:MET:HE3	2:75:B:TYR:HD2	13	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1096)	2:59:B:MET:HE3	2:75:B:TYR:HD1	17	0.96
(1,1096)	2:59:B:MET:HE3	2:75:B:TYR:HD2	17	0.96
(1,1073)	2:59:B:MET:HE3	2:34:B:LEU:HD21	7	0.96
(1,1072)	2:59:B:MET:HE3	2:29:B:LEU:HD11	18	0.96
(1,1000)	2:60:B:SER:HB2	2:59:B:MET:HE2	14	0.96
(1,460)	2:79:A:LEU:HD22	2:76:A:CYS:HA	3	0.96
(1,460)	2:79:A:LEU:HD23	2:76:A:CYS:HA	5	0.96
(1,213)	2:84:A:MET:HE1	2:72:B:PHE:HD1	8	0.96
(1,213)	2:84:A:MET:HE1	2:72:B:PHE:HD2	8	0.96
(1,126)	2:85:A:MET:HE2	1:1898:C:ARG:H	2	0.96
(1,126)	2:85:A:MET:HE2	1:1898:C:ARG:H	4	0.96
(1,6626)	2:2:B:ALA:HB1	2:7:B:LYS:HE2	6	0.95
(1,6624)	2:2:A:ALA:HB2	2:4:A:PRO:HB2	13	0.95
(1,6485)	2:11:B:VAL:HG13	2:8:B:ALA:HA	10	0.95
(1,6485)	2:11:B:VAL:HG13	2:8:B:ALA:HA	16	0.95
(1,6482)	2:11:B:VAL:HG13	2:7:B:LYS:HE3	18	0.95
(1,6457)	2:12:A:MET:HE1	2:8:A:ALA:HA	20	0.95
(1,6433)	2:12:B:MET:HG3	2:13:B:VAL:HG12	17	0.95
(1,6419)	2:13:A:VAL:HG21	2:91:B:GLU:HB3	17	0.95
(1,6415)	2:13:A:VAL:HG12	2:89:B:PHE:HB2	6	0.95
(1,6247)	2:29:B:LEU:HD22	2:30:B:ASN:HD22	5	0.95
(1,6084)	2:38:A:LEU:HD12	2:39:A:THR:HA	20	0.95
(1,6033)	2:42:A:LEU:HD12	2:37:A:LEU:HA	3	0.95
(1,5826)	2:77:A:VAL:HG13	2:81:A:CYS:HB2	15	0.95
(1,5822)	2:77:A:VAL:HG13	2:73:A:GLN:HE22	12	0.95
(1,5818)	2:79:B:LEU:HD21	2:80:B:SER:HB3	5	0.95
(1,5818)	2:79:B:LEU:HD21	2:80:B:SER:HB3	9	0.95
(1,5818)	2:79:B:LEU:HD21	2:80:B:SER:HB3	14	0.95
(1,5780)	2:82:A:ILE:HD12	2:42:A:LEU:HD12	9	0.95
(1,5753)	2:84:A:MET:HE1	2:73:B:GLN:H	11	0.95
(1,5752)	2:84:A:MET:HE2	2:86:A:CYS:H	17	0.95
(1,5752)	2:84:A:MET:HE2	2:86:A:CYS:H	19	0.95
(1,5546)	1:1907:C:ALA:HB1	2:85:A:MET:HE3	4	0.95
(1,5546)	1:1907:C:ALA:HB2	2:85:A:MET:HE3	4	0.95
(1,5546)	1:1907:C:ALA:HB3	2:85:A:MET:HE3	4	0.95
(1,5128)	1:1934:C:MET:HE2	2:6:A:GLU:HA	2	0.95
(1,5120)	1:1934:C:MET:HE1	2:9:A:LEU:HD12	13	0.95
(1,5120)	1:1934:C:MET:HE2	2:9:A:LEU:HD12	13	0.95
(1,5120)	1:1934:C:MET:HE3	2:9:A:LEU:HD12	13	0.95
(1,5026)	1:1907:C:ALA:H	2:85:A:MET:HB2	2	0.95
(1,5026)	1:1907:C:ALA:H	2:85:A:MET:HB2	11	0.95
(1,4691)	2:74:B:GLU:HG3	1:1921:C:LEU:HD11	3	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4691)	2:74:B:GLU:HG3	1:1921:C:LEU:HD13	19	0.95
(1,4180)	2:46:A:LEU:HD23	1:1900:C:LEU:HB3	18	0.95
(1,4060)	2:85:B:MET:HE3	1:1928:C:PHE:HB3	18	0.95
(1,2889)	2:49:A:ARG:H	2:54:A:ALA:HB2	19	0.95
(1,2546)	2:5:A:LEU:HD23	2:12:B:MET:HB3	16	0.95
(1,2386)	2:9:B:LEU:HD12	2:5:B:LEU:HB3	12	0.95
(1,2386)	2:9:B:LEU:HD11	2:5:B:LEU:HB3	13	0.95
(1,2386)	2:9:B:LEU:HD11	2:5:B:LEU:HB3	14	0.95
(1,2386)	2:9:B:LEU:HD12	2:5:B:LEU:HB3	18	0.95
(1,2280)	2:12:B:MET:HE3	2:84:A:MET:H	1	0.95
(1,2199)	2:15:A:THR:HG22	2:5:B:LEU:HD11	10	0.95
(1,2024)	2:29:A:LEU:HD12	2:72:A:PHE:HE1	11	0.95
(1,2024)	2:29:A:LEU:HD12	2:72:A:PHE:HE2	11	0.95
(1,1843)	2:35:A:LYS:HG3	2:55:A:PHE:HE2	5	0.95
(1,1485)	2:46:A:LEU:HD23	2:39:A:THR:HG21	11	0.95
(1,1327)	2:53:B:ALA:HB2	2:56:B:GLN:HB3	3	0.95
(1,1119)	2:58:A:LEU:HD13	2:57:A:LYS:H	13	0.95
(1,1103)	2:59:B:MET:HE2	2:67:B:ASP:H	18	0.95
(1,1102)	2:59:B:MET:HE2	2:34:B:LEU:H	19	0.95
(1,1073)	2:59:B:MET:HE1	2:34:B:LEU:HD22	19	0.95
(1,1071)	2:59:B:MET:HE1	2:29:B:LEU:HD21	19	0.95
(1,783)	2:70:B:VAL:HG11	2:62:B:LEU:HD22	15	0.95
(1,460)	2:79:A:LEU:HD23	2:76:A:CYS:HA	18	0.95
(1,351)	2:82:B:ILE:HG23	2:81:B:CYS:H	14	0.95
(1,213)	2:84:A:MET:HE2	2:72:B:PHE:HD1	3	0.95
(1,213)	2:84:A:MET:HE2	2:72:B:PHE:HD2	3	0.95
(1,137)	2:85:A:MET:HE1	2:9:B:LEU:HD23	16	0.95
(1,6951)	2:82:B:ILE:H	1:1917:C:LEU:HD11	4	0.94
(1,6706)	2:23:B:GLU:H	2:26:B:LYS:HA	17	0.94
(1,6627)	2:2:A:ALA:HB3	2:4:A:PRO:HG2	4	0.94
(1,6550)	2:8:A:ALA:HB2	2:11:B:VAL:HG13	7	0.94
(1,6550)	2:8:A:ALA:HB3	2:11:B:VAL:HG12	13	0.94
(1,6550)	2:8:A:ALA:HB1	2:11:B:VAL:HG12	18	0.94
(1,6537)	2:8:A:ALA:HB3	2:12:B:MET:HG3	6	0.94
(1,6485)	2:11:B:VAL:HG11	2:8:B:ALA:HA	6	0.94
(1,6485)	2:11:B:VAL:HG12	2:8:B:ALA:HA	8	0.94
(1,6459)	2:12:A:MET:HE2	2:78:B:PHE:HD2	3	0.94
(1,6427)	2:13:A:VAL:HG23	2:72:A:PHE:HE1	15	0.94
(1,6427)	2:13:A:VAL:HG23	2:72:A:PHE:HE2	16	0.94
(1,6415)	2:13:A:VAL:HG13	2:72:A:PHE:HA	2	0.94
(1,6293)	2:26:B:LYS:HG2	2:27:B:PHE:HD2	1	0.94
(1,6270)	2:27:B:PHE:HA	2:75:B:TYR:HD2	5	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6244)	2:29:B:LEU:HD13	2:34:B:LEU:HB3	8	0.94
(1,6242)	2:29:B:LEU:HD12	2:37:B:LEU:HD11	1	0.94
(1,6098)	2:38:B:LEU:HD11	2:31:B:LYS:HA	8	0.94
(1,6042)	2:42:A:LEU:HD13	2:8:B:ALA:H	19	0.94
(1,6041)	2:42:A:LEU:HD12	2:39:A:THR:H	7	0.94
(1,5972)	2:58:B:LEU:HD22	2:62:B:LEU:HD13	13	0.94
(1,5959)	2:59:B:MET:HE1	2:58:B:LEU:HA	12	0.94
(1,5959)	2:59:B:MET:HE2	2:60:B:SER:HB2	19	0.94
(1,5753)	2:84:A:MET:HE3	2:73:B:GLN:H	4	0.94
(1,5753)	2:84:A:MET:HE3	2:73:B:GLN:H	8	0.94
(1,5752)	2:84:A:MET:HE2	2:86:A:CYS:H	1	0.94
(1,5752)	2:84:A:MET:HE2	2:86:A:CYS:H	12	0.94
(1,5546)	1:1907:C:ALA:HB1	2:85:A:MET:HE3	9	0.94
(1,5546)	1:1907:C:ALA:HB2	2:85:A:MET:HE3	9	0.94
(1,5546)	1:1907:C:ALA:HB3	2:85:A:MET:HE3	9	0.94
(1,5501)	1:1910:C:MET:HE2	2:84:A:MET:HA	2	0.94
(1,5026)	1:1907:C:ALA:H	2:85:A:MET:HB2	4	0.94
(1,4723)	2:82:A:ILE:HD11	1:1900:C:LEU:HB2	19	0.94
(1,4164)	2:54:B:ALA:HB3	1:1928:C:PHE:HD2	16	0.94
(1,4060)	2:85:B:MET:HE3	1:1928:C:PHE:HB3	3	0.94
(1,4043)	2:85:A:MET:HE2	1:1898:C:ARG:HG3	3	0.94
(1,4043)	2:85:A:MET:HE2	1:1898:C:ARG:HG3	7	0.94
(1,4023)	2:38:B:LEU:HD23	1:1929:C:VAL:HG21	6	0.94
(1,4023)	2:38:B:LEU:HD23	1:1929:C:VAL:HG22	6	0.94
(1,4023)	2:38:B:LEU:HD23	1:1929:C:VAL:HG23	6	0.94
(1,4023)	2:38:B:LEU:HD23	1:1929:C:VAL:HG21	18	0.94
(1,4023)	2:38:B:LEU:HD23	1:1929:C:VAL:HG22	18	0.94
(1,4023)	2:38:B:LEU:HD23	1:1929:C:VAL:HG23	18	0.94
(1,4010)	2:58:B:LEU:HD11	1:1917:C:LEU:HD11	1	0.94
(1,4010)	2:58:B:LEU:HD11	1:1917:C:LEU:HD12	1	0.94
(1,4010)	2:58:B:LEU:HD11	1:1917:C:LEU:HD13	1	0.94
(1,4010)	2:58:B:LEU:HD11	1:1917:C:LEU:HD11	14	0.94
(1,4010)	2:58:B:LEU:HD11	1:1917:C:LEU:HD12	14	0.94
(1,4010)	2:58:B:LEU:HD11	1:1917:C:LEU:HD13	14	0.94
(1,2280)	2:12:B:MET:HE3	2:84:A:MET:H	9	0.94
(1,1903)	2:34:A:LEU:HD12	2:55:A:PHE:HD2	16	0.94
(1,1902)	2:34:A:LEU:HD13	2:60:A:SER:H	7	0.94
(1,1902)	2:34:A:LEU:HD13	2:60:A:SER:H	12	0.94
(1,1712)	2:38:A:LEU:HD12	2:46:A:LEU:HB3	7	0.94
(1,1303)	2:54:B:ALA:HB3	1:1928:C:PHE:HD2	16	0.94
(1,1119)	2:58:A:LEU:HD12	2:57:A:LYS:H	5	0.94
(1,1103)	2:59:B:MET:HE3	2:67:B:ASP:H	16	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1000)	2:60:B:SER:HB2	2:59:B:MET:HE2	19	0.94
(1,727)	2:70:A:VAL:HG23	2:75:A:TYR:HB3	20	0.94
(1,6627)	2:2:A:ALA:HB2	2:4:A:PRO:HG2	17	0.93
(1,6591)	2:5:B:LEU:HD21	2:12:A:MET:HE1	7	0.93
(1,6550)	2:8:A:ALA:HB2	2:11:B:VAL:HG11	3	0.93
(1,6550)	2:8:A:ALA:HB2	2:11:B:VAL:HG13	17	0.93
(1,6543)	2:8:B:ALA:HB1	2:10:B:ASP:HB2	19	0.93
(1,6433)	2:12:B:MET:HG3	2:13:B:VAL:HG12	15	0.93
(1,6240)	2:29:A:LEU:HD13	2:34:A:LEU:HB3	8	0.93
(1,6104)	2:38:B:LEU:HD22	2:82:B:ILE:HB	3	0.93
(1,6041)	2:42:A:LEU:HD12	2:39:A:THR:H	8	0.93
(1,5972)	2:58:B:LEU:HD22	2:62:B:LEU:HD13	5	0.93
(1,5949)	2:59:A:MET:HE3	2:29:A:LEU:H	16	0.93
(1,5927)	2:62:B:LEU:HD21	2:85:B:MET:HE1	11	0.93
(1,5818)	2:79:B:LEU:HD21	2:80:B:SER:HB3	19	0.93
(1,5792)	2:82:B:ILE:HD12	1:1921:C:LEU:HD13	14	0.93
(1,5752)	2:84:A:MET:HE2	2:86:A:CYS:H	20	0.93
(1,5746)	2:85:B:MET:HE3	2:78:B:PHE:HE2	10	0.93
(1,5501)	1:1910:C:MET:HE1	2:84:A:MET:HA	19	0.93
(1,5360)	1:1917:C:LEU:HD21	1:1918:C:LYS:HE3	4	0.93
(1,5360)	1:1917:C:LEU:HD22	1:1918:C:LYS:HE3	4	0.93
(1,5360)	1:1917:C:LEU:HD23	1:1918:C:LYS:HE3	4	0.93
(1,4946)	1:1913:C:GLU:H	1:1912:C:ARG:HB2	12	0.93
(1,4691)	2:74:B:GLU:HG3	1:1921:C:LEU:HD11	1	0.93
(1,4411)	2:46:B:LEU:HD11	1:1928:C:PHE:HD1	10	0.93
(1,4313)	1:1913:C:GLU:H	1:1912:C:ARG:HB2	12	0.93
(1,4126)	2:76:A:CYS:HA	1:1910:C:MET:HG2	5	0.93
(1,4060)	2:85:B:MET:HE1	1:1928:C:PHE:HB3	2	0.93
(1,4060)	2:85:B:MET:HE3	1:1928:C:PHE:HB3	5	0.93
(1,4023)	2:38:B:LEU:HD22	1:1929:C:VAL:HG21	12	0.93
(1,4023)	2:38:B:LEU:HD22	1:1929:C:VAL:HG22	12	0.93
(1,4023)	2:38:B:LEU:HD22	1:1929:C:VAL:HG23	12	0.93
(1,3909)	2:38:A:LEU:HD11	1:1900:C:LEU:HB2	5	0.93
(1,2889)	2:49:A:ARG:H	2:54:A:ALA:HB3	15	0.93
(1,2386)	2:9:B:LEU:HD13	2:5:B:LEU:HB3	2	0.93
(1,2386)	2:9:B:LEU:HD13	2:5:B:LEU:HB3	17	0.93
(1,2199)	2:15:A:THR:HG23	2:5:B:LEU:HD12	1	0.93
(1,2065)	2:26:B:LYS:HD3	2:28:B:LYS:H	1	0.93
(1,1962)	2:34:B:LEU:HD22	2:62:B:LEU:HD21	14	0.93
(1,1902)	2:34:A:LEU:HD13	2:60:A:SER:H	11	0.93
(1,1712)	2:38:A:LEU:HD13	2:46:A:LEU:HB3	2	0.93
(1,1485)	2:46:A:LEU:HD21	2:39:A:THR:HG22	4	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1485)	2:46:A:LEU:HD22	2:39:A:THR:HG22	5	0.93
(1,1468)	2:46:A:LEU:HD11	1:1897:C:GLN:HE22	7	0.93
(1,1407)	2:49:A:ARG:HG2	2:54:A:ALA:HB2	7	0.93
(1,1403)	2:49:A:ARG:HA	2:54:A:ALA:HB2	2	0.93
(1,1098)	2:59:B:MET:HE1	2:62:B:LEU:H	18	0.93
(1,1044)	2:59:A:MET:HE3	2:59:A:MET:H	2	0.93
(1,1041)	2:59:A:MET:HE1	2:55:A:PHE:HD2	14	0.93
(1,727)	2:70:A:VAL:HG21	2:75:A:TYR:HB3	12	0.93
(1,621)	2:76:A:CYS:HA	1:1910:C:MET:HG2	5	0.93
(1,515)	2:79:B:LEU:HD13	2:82:B:ILE:HB	5	0.93
(1,514)	2:79:B:LEU:HD12	2:15:B:THR:HG22	10	0.93
(1,351)	2:82:B:ILE:HG23	2:81:B:CYS:H	17	0.93
(1,6626)	2:2:B:ALA:HB3	2:7:B:LYS:HE3	8	0.92
(1,6485)	2:11:B:VAL:HG13	2:8:B:ALA:HA	2	0.92
(1,6485)	2:11:B:VAL:HG13	2:8:B:ALA:HA	3	0.92
(1,6477)	2:11:B:VAL:HG13	2:7:B:LYS:HD2	16	0.92
(1,6475)	2:11:A:VAL:HG11	2:8:B:ALA:HB3	12	0.92
(1,6457)	2:12:A:MET:HE1	2:8:A:ALA:HA	1	0.92
(1,6360)	2:21:B:GLY:HA2	2:26:B:LYS:HD3	2	0.92
(1,6157)	2:36:A:GLU:HG2	2:40:A:ARG:HD3	16	0.92
(1,6104)	2:38:B:LEU:HD21	2:82:B:ILE:HB	9	0.92
(1,6051)	2:42:B:LEU:HD12	2:45:B:PHE:HB3	1	0.92
(1,6041)	2:42:A:LEU:HD12	2:39:A:THR:H	5	0.92
(1,6041)	2:42:A:LEU:HD12	2:39:A:THR:H	12	0.92
(1,5972)	2:58:B:LEU:HD22	2:62:B:LEU:HD13	19	0.92
(1,5971)	2:58:B:LEU:HD11	1:1921:C:LEU:HB2	15	0.92
(1,5948)	2:59:A:MET:HE3	2:69:A:GLU:H	4	0.92
(1,5787)	2:82:B:ILE:HD13	2:81:B:CYS:H	2	0.92
(1,5787)	2:82:B:ILE:HD13	2:81:B:CYS:H	15	0.92
(1,5747)	2:85:B:MET:HE1	2:61:B:ASN:HD21	18	0.92
(1,5743)	2:85:B:MET:HE2	1:1918:C:LYS:HE2	3	0.92
(1,5501)	1:1910:C:MET:HE2	2:84:A:MET:HA	15	0.92
(1,4982)	1:1911:C:ASN:HD22	1:1915:C:SER:HA	2	0.92
(1,4690)	1:1914:C:VAL:HG22	1:1915:C:SER:HB2	4	0.92
(1,4060)	2:85:B:MET:HE1	1:1928:C:PHE:HB3	8	0.92
(1,4060)	2:85:B:MET:HE1	1:1928:C:PHE:HB3	14	0.92
(1,4043)	2:85:A:MET:HE2	1:1898:C:ARG:HG2	14	0.92
(1,4017)	2:38:B:LEU:HD22	1:1929:C:VAL:HG11	12	0.92
(1,4017)	2:38:B:LEU:HD22	1:1929:C:VAL:HG12	12	0.92
(1,4017)	2:38:B:LEU:HD22	1:1929:C:VAL:HG13	12	0.92
(1,4010)	2:58:B:LEU:HD11	1:1917:C:LEU:HD11	16	0.92
(1,4010)	2:58:B:LEU:HD11	1:1917:C:LEU:HD12	16	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4010)	2:58:B:LEU:HD11	1:1917:C:LEU:HD13	16	0.92
(1,2876)	2:47:A:GLY:H	1:1897:C:GLN:HE22	3	0.92
(1,2546)	2:5:A:LEU:HD23	2:12:B:MET:HG3	2	0.92
(1,2388)	2:9:B:LEU:HD11	2:42:A:LEU:HB3	14	0.92
(1,2386)	2:9:B:LEU:HD13	2:5:B:LEU:HB3	4	0.92
(1,2386)	2:9:B:LEU:HD11	2:5:B:LEU:HB3	8	0.92
(1,2031)	2:29:A:LEU:HD11	2:37:A:LEU:HD12	19	0.92
(1,1962)	2:34:B:LEU:HD22	2:62:B:LEU:HD22	1	0.92
(1,1712)	2:38:A:LEU:HD13	2:46:A:LEU:HB3	4	0.92
(1,1712)	2:38:A:LEU:HD11	2:46:A:LEU:HB3	5	0.92
(1,1712)	2:38:A:LEU:HD13	2:46:A:LEU:HB3	11	0.92
(1,1708)	2:38:A:LEU:HD23	2:34:A:LEU:HA	16	0.92
(1,1570)	2:42:A:LEU:HD13	2:19:A:TYR:HD1	18	0.92
(1,1570)	2:42:A:LEU:HD13	2:19:A:TYR:HD2	18	0.92
(1,1485)	2:46:A:LEU:HD22	2:39:A:THR:HG22	10	0.92
(1,1119)	2:58:A:LEU:HD12	2:57:A:LYS:H	9	0.92
(1,1072)	2:59:B:MET:HE3	2:29:B:LEU:HD13	10	0.92
(1,727)	2:70:A:VAL:HG23	2:75:A:TYR:HB3	15	0.92
(1,727)	2:70:A:VAL:HG21	2:75:A:TYR:HB3	18	0.92
(1,499)	2:79:B:LEU:HD23	2:83:A:ALA:H	13	0.92
(1,6992)	2:27:A:PHE:HE2	2:26:A:LYS:HE2	14	0.91
(1,6550)	2:8:A:ALA:HB1	2:11:B:VAL:HG12	6	0.91
(1,6537)	2:8:A:ALA:HB3	2:12:B:MET:HG3	2	0.91
(1,6462)	2:12:A:MET:HE2	2:84:B:MET:H	9	0.91
(1,6461)	2:12:A:MET:HE2	2:11:A:VAL:H	16	0.91
(1,6449)	2:12:A:MET:HE2	2:9:A:LEU:HD12	15	0.91
(1,6433)	2:12:B:MET:HG3	2:13:B:VAL:HG12	14	0.91
(1,6419)	2:13:A:VAL:HG21	2:91:B:GLU:HB3	1	0.91
(1,6415)	2:13:A:VAL:HG12	2:89:B:PHE:HB2	10	0.91
(1,6415)	2:13:A:VAL:HG12	2:89:B:PHE:HB2	20	0.91
(1,6333)	2:23:B:GLU:HG2	2:22:B:LYS:H	14	0.91
(1,6286)	2:26:A:LYS:HB3	2:27:A:PHE:HD2	19	0.91
(1,6098)	2:38:B:LEU:HD12	2:31:B:LYS:HA	9	0.91
(1,6042)	2:42:A:LEU:HD13	2:8:B:ALA:H	14	0.91
(1,6037)	2:42:A:LEU:HD11	2:3:B:CYS:HB3	15	0.91
(1,5972)	2:58:B:LEU:HD22	2:62:B:LEU:HD13	8	0.91
(1,5826)	2:77:A:VAL:HG11	2:76:A:CYS:HG	14	0.91
(1,5787)	2:82:B:ILE:HD13	2:81:B:CYS:H	3	0.91
(1,5753)	2:84:A:MET:HE1	2:73:B:GLN:H	20	0.91
(1,5747)	2:85:B:MET:HE1	2:61:B:ASN:HD21	15	0.91
(1,5746)	2:85:B:MET:HE3	2:78:B:PHE:HE2	9	0.91
(1,5546)	1:1907:C:ALA:HB1	2:85:A:MET:HE3	7	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5546)	1:1907:C:ALA:HB2	2:85:A:MET:HE3	7	0.91
(1,5546)	1:1907:C:ALA:HB3	2:85:A:MET:HE3	7	0.91
(1,5546)	1:1907:C:ALA:HB1	2:85:A:MET:HE3	11	0.91
(1,5546)	1:1907:C:ALA:HB2	2:85:A:MET:HE3	11	0.91
(1,5546)	1:1907:C:ALA:HB3	2:85:A:MET:HE3	11	0.91
(1,5501)	1:1910:C:MET:HE1	2:84:A:MET:HA	20	0.91
(1,5128)	1:1934:C:MET:HE3	2:6:A:GLU:HA	13	0.91
(1,5026)	1:1907:C:ALA:H	2:85:A:MET:HB2	3	0.91
(1,4691)	2:74:B:GLU:HG3	1:1921:C:LEU:HD13	11	0.91
(1,4060)	2:85:B:MET:HE1	1:1928:C:PHE:HB3	17	0.91
(1,4002)	2:58:B:LEU:HD11	1:1928:C:PHE:HB2	12	0.91
(1,3909)	2:38:A:LEU:HD12	1:1900:C:LEU:HB2	7	0.91
(1,2280)	2:12:B:MET:HE3	2:84:A:MET:H	8	0.91
(1,1962)	2:34:B:LEU:HD22	2:62:B:LEU:HD21	5	0.91
(1,1902)	2:34:A:LEU:HD13	2:60:A:SER:H	1	0.91
(1,1902)	2:34:A:LEU:HD13	2:60:A:SER:H	2	0.91
(1,1712)	2:38:A:LEU:HD11	2:46:A:LEU:HB3	14	0.91
(1,1708)	2:38:A:LEU:HD21	2:34:A:LEU:HA	4	0.91
(1,1570)	2:42:A:LEU:HD13	2:19:A:TYR:HD1	10	0.91
(1,1570)	2:42:A:LEU:HD13	2:19:A:TYR:HD2	10	0.91
(1,1403)	2:49:A:ARG:HA	2:54:A:ALA:HB1	15	0.91
(1,1103)	2:59:B:MET:HE2	2:67:B:ASP:H	11	0.91
(1,1098)	2:59:B:MET:HE2	2:62:B:LEU:H	14	0.91
(1,1073)	2:59:B:MET:HE1	2:34:B:LEU:HD21	2	0.91
(1,1071)	2:59:B:MET:HE3	2:29:B:LEU:HD23	13	0.91
(1,1071)	2:59:B:MET:HE1	2:29:B:LEU:HD22	14	0.91
(1,1071)	2:59:B:MET:HE3	2:29:B:LEU:HD22	15	0.91
(1,1071)	2:59:B:MET:HE3	2:29:B:LEU:HD22	18	0.91
(1,727)	2:70:A:VAL:HG22	2:75:A:TYR:HB3	2	0.91
(1,499)	2:79:B:LEU:HD23	2:83:A:ALA:H	2	0.91
(1,499)	2:79:B:LEU:HD23	2:83:A:ALA:H	6	0.91
(1,351)	2:82:B:ILE:HG23	2:81:B:CYS:H	11	0.91
(1,137)	2:85:A:MET:HE1	2:9:B:LEU:HD22	4	0.91
(1,6627)	2:2:A:ALA:HB2	2:4:A:PRO:HG2	12	0.9
(1,6619)	2:2:A:ALA:HB1	2:6:A:GLU:H	4	0.9
(1,6550)	2:8:A:ALA:HB1	2:11:B:VAL:HG12	5	0.9
(1,6537)	2:8:A:ALA:HB3	2:12:B:MET:HG3	16	0.9
(1,6509)	2:9:B:LEU:HD12	2:6:B:GLU:HA	19	0.9
(1,6427)	2:13:A:VAL:HG21	2:72:A:PHE:HE2	1	0.9
(1,6419)	2:13:A:VAL:HG22	2:91:B:GLU:HB3	15	0.9
(1,6415)	2:13:A:VAL:HG13	2:89:B:PHE:HB2	4	0.9
(1,6294)	2:26:A:LYS:HG3	2:27:A:PHE:HD2	16	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6239)	2:29:A:LEU:HD11	2:59:A:MET:HE3	6	0.9
(1,6041)	2:42:A:LEU:HD12	2:39:A:THR:H	3	0.9
(1,6033)	2:42:A:LEU:HD12	2:37:A:LEU:HA	1	0.9
(1,6010)	2:49:B:ARG:HD2	2:35:B:LYS:HD2	5	0.9
(1,5818)	2:79:B:LEU:HD21	2:80:B:SER:HB3	8	0.9
(1,5792)	2:82:B:ILE:HD12	1:1921:C:LEU:HD12	16	0.9
(1,5779)	2:82:A:ILE:HG22	2:42:A:LEU:HD12	14	0.9
(1,5753)	2:84:A:MET:HE1	2:73:B:GLN:H	1	0.9
(1,5753)	2:84:A:MET:HE3	2:73:B:GLN:H	7	0.9
(1,5753)	2:84:A:MET:HE3	2:73:B:GLN:H	15	0.9
(1,5753)	2:84:A:MET:HE1	2:73:B:GLN:H	19	0.9
(1,5747)	2:85:B:MET:HE1	2:61:B:ASN:HD21	4	0.9
(1,5746)	2:85:B:MET:HE3	2:78:B:PHE:HE1	3	0.9
(1,5744)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	19	0.9
(1,5630)	1:1903:C:ALA:HB1	2:9:B:LEU:HD11	4	0.9
(1,5630)	1:1903:C:ALA:HB2	2:9:B:LEU:HD11	4	0.9
(1,5630)	1:1903:C:ALA:HB3	2:9:B:LEU:HD11	4	0.9
(1,5546)	1:1907:C:ALA:HB1	2:85:A:MET:HE3	3	0.9
(1,5546)	1:1907:C:ALA:HB2	2:85:A:MET:HE3	3	0.9
(1,5546)	1:1907:C:ALA:HB3	2:85:A:MET:HE3	3	0.9
(1,5501)	1:1910:C:MET:HE2	2:84:A:MET:HA	11	0.9
(1,5360)	1:1917:C:LEU:HD21	1:1918:C:LYS:HE2	1	0.9
(1,5360)	1:1917:C:LEU:HD22	1:1918:C:LYS:HE2	1	0.9
(1,5360)	1:1917:C:LEU:HD23	1:1918:C:LYS:HE2	1	0.9
(1,5360)	1:1917:C:LEU:HD21	1:1918:C:LYS:HE3	16	0.9
(1,5360)	1:1917:C:LEU:HD22	1:1918:C:LYS:HE3	16	0.9
(1,5360)	1:1917:C:LEU:HD23	1:1918:C:LYS:HE3	16	0.9
(1,5026)	1:1907:C:ALA:H	2:85:A:MET:HB2	15	0.9
(1,4691)	2:74:B:GLU:HG3	1:1921:C:LEU:HD12	17	0.9
(1,4164)	2:54:B:ALA:HB3	1:1928:C:PHE:HD2	8	0.9
(1,4126)	2:76:A:CYS:HA	1:1910:C:MET:HG2	20	0.9
(1,4061)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	19	0.9
(1,4043)	2:85:A:MET:HE2	1:1898:C:ARG:HG2	6	0.9
(1,4023)	2:38:B:LEU:HD23	1:1929:C:VAL:HG21	19	0.9
(1,4023)	2:38:B:LEU:HD23	1:1929:C:VAL:HG22	19	0.9
(1,4023)	2:38:B:LEU:HD23	1:1929:C:VAL:HG23	19	0.9
(1,4019)	2:38:B:LEU:HD11	1:1928:C:PHE:HD2	18	0.9
(1,3787)	2:28:A:LYS:H	2:28:A:LYS:HE3	6	0.9
(1,2876)	2:47:A:GLY:H	1:1897:C:GLN:HE22	19	0.9
(1,2546)	2:5:A:LEU:HD23	2:12:B:MET:HG3	4	0.9
(1,2388)	2:9:B:LEU:HD12	2:42:A:LEU:HB3	1	0.9
(1,2386)	2:9:B:LEU:HD12	2:5:B:LEU:HB3	1	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2386)	2:9:B:LEU:HD13	2:5:B:LEU:HB3	9	0.9
(1,2280)	2:12:B:MET:HE2	2:84:A:MET:H	7	0.9
(1,2280)	2:12:B:MET:HE3	2:84:A:MET:H	11	0.9
(1,2280)	2:12:B:MET:HE3	2:84:A:MET:H	18	0.9
(1,1988)	2:31:A:LYS:HD3	2:55:A:PHE:HD2	4	0.9
(1,1775)	2:37:B:LEU:HD12	2:29:B:LEU:HD11	19	0.9
(1,1712)	2:38:A:LEU:HD13	2:46:A:LEU:HB3	15	0.9
(1,1708)	2:38:A:LEU:HD22	2:34:A:LEU:HA	14	0.9
(1,1657)	2:39:B:THR:HG23	2:40:B:ARG:HD2	11	0.9
(1,1582)	2:42:B:LEU:HD13	2:82:B:ILE:HG22	12	0.9
(1,1582)	2:42:B:LEU:HD13	2:82:B:ILE:HG21	20	0.9
(1,1303)	2:54:B:ALA:HB3	1:1928:C:PHE:HD2	8	0.9
(1,1157)	2:58:A:LEU:HD22	2:45:A:PHE:HB3	17	0.9
(1,1119)	2:58:A:LEU:HD13	2:57:A:LYS:H	8	0.9
(1,1102)	2:59:B:MET:HE3	2:34:B:LEU:H	9	0.9
(1,1071)	2:59:B:MET:HE1	2:29:B:LEU:HD23	16	0.9
(1,727)	2:70:A:VAL:HG21	2:75:A:TYR:HB3	4	0.9
(1,727)	2:70:A:VAL:HG23	2:75:A:TYR:HB3	19	0.9
(1,621)	2:76:A:CYS:HA	1:1910:C:MET:HG2	20	0.9
(1,460)	2:79:A:LEU:HD23	2:76:A:CYS:HA	2	0.9
(1,6627)	2:2:A:ALA:HB2	2:4:A:PRO:HG2	7	0.89
(1,6624)	2:2:B:ALA:HB1	2:4:B:PRO:HB2	15	0.89
(1,6550)	2:8:A:ALA:HB1	2:11:B:VAL:HG11	2	0.89
(1,6550)	2:8:A:ALA:HB1	2:11:B:VAL:HG12	20	0.89
(1,6537)	2:8:A:ALA:HB1	2:12:B:MET:HG3	7	0.89
(1,6517)	2:9:A:LEU:HD21	2:12:A:MET:HB2	5	0.89
(1,6485)	2:11:B:VAL:HG13	2:8:B:ALA:HA	12	0.89
(1,6475)	2:11:A:VAL:HG13	2:8:B:ALA:HB1	8	0.89
(1,6457)	2:12:A:MET:HE1	2:8:A:ALA:HA	18	0.89
(1,6433)	2:12:B:MET:HG3	2:13:B:VAL:HG12	12	0.89
(1,6427)	2:13:A:VAL:HG21	2:72:A:PHE:HE1	17	0.89
(1,6419)	2:13:A:VAL:HG21	2:91:B:GLU:HB3	8	0.89
(1,6360)	2:21:A:GLY:HA2	2:26:A:LYS:HD3	18	0.89
(1,6130)	2:37:B:LEU:HD12	2:19:B:TYR:HE2	17	0.89
(1,6104)	2:38:B:LEU:HD21	2:82:B:ILE:HB	11	0.89
(1,6066)	2:40:B:ARG:HD3	2:19:B:TYR:HD1	19	0.89
(1,6041)	2:42:A:LEU:HD12	2:39:A:THR:H	1	0.89
(1,6041)	2:42:A:LEU:HD12	2:39:A:THR:H	6	0.89
(1,6033)	2:42:A:LEU:HD12	2:37:A:LEU:HA	2	0.89
(1,6033)	2:42:A:LEU:HD12	2:37:A:LEU:HA	18	0.89
(1,5994)	2:54:B:ALA:HB2	1:1926:C:LEU:HD13	15	0.89
(1,5971)	2:58:B:LEU:HD11	1:1921:C:LEU:HB2	20	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5927)	2:62:B:LEU:HD22	2:85:B:MET:HE1	13	0.89
(1,5822)	2:77:A:VAL:HG13	2:73:A:GLN:HE22	7	0.89
(1,5822)	2:77:A:VAL:HG13	2:73:A:GLN:HE22	11	0.89
(1,5818)	2:79:B:LEU:HD21	2:80:B:SER:HB3	15	0.89
(1,5818)	2:79:B:LEU:HD21	2:80:B:SER:HB3	20	0.89
(1,5812)	2:79:B:LEU:HD13	2:75:B:TYR:HA	9	0.89
(1,5787)	2:82:B:ILE:HD13	2:81:B:CYS:H	19	0.89
(1,5786)	2:82:B:ILE:HD13	2:80:B:SER:H	8	0.89
(1,5752)	2:84:A:MET:HE2	2:86:A:CYS:H	14	0.89
(1,5746)	2:85:B:MET:HE3	2:78:B:PHE:HE2	13	0.89
(1,5743)	2:85:B:MET:HE2	1:1918:C:LYS:HE2	8	0.89
(1,5501)	1:1910:C:MET:HE3	2:84:A:MET:HA	18	0.89
(1,4088)	2:84:B:MET:HE3	1:1913:C:GLU:HG3	2	0.89
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG21	14	0.89
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG22	14	0.89
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG23	14	0.89
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD11	9	0.89
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD12	9	0.89
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD13	9	0.89
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD11	9	0.89
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD12	9	0.89
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD13	9	0.89
(1,2889)	2:49:A:ARG:H	2:54:A:ALA:HB2	5	0.89
(1,2546)	2:5:A:LEU:HD23	2:12:B:MET:HB3	20	0.89
(1,2388)	2:9:B:LEU:HD13	2:42:A:LEU:HB3	15	0.89
(1,2388)	2:9:B:LEU:HD13	2:42:A:LEU:HB3	17	0.89
(1,2386)	2:9:B:LEU:HD12	2:5:B:LEU:HB3	3	0.89
(1,2386)	2:9:B:LEU:HD13	2:5:B:LEU:HB3	10	0.89
(1,2386)	2:9:B:LEU:HD13	2:5:B:LEU:HB3	15	0.89
(1,2280)	2:12:B:MET:HE2	2:84:A:MET:H	20	0.89
(1,2199)	2:15:A:THR:HG23	2:5:B:LEU:HD12	7	0.89
(1,2199)	2:15:A:THR:HG23	2:5:B:LEU:HD12	19	0.89
(1,2031)	2:29:A:LEU:HD11	2:37:A:LEU:HD13	11	0.89
(1,1903)	2:34:A:LEU:HD12	2:55:A:PHE:HD1	8	0.89
(1,1902)	2:34:A:LEU:HD13	2:60:A:SER:H	13	0.89
(1,1902)	2:34:A:LEU:HD13	2:60:A:SER:H	20	0.89
(1,1775)	2:37:B:LEU:HD13	2:29:B:LEU:HD11	11	0.89
(1,1708)	2:38:A:LEU:HD21	2:34:A:LEU:HA	13	0.89
(1,1608)	2:42:B:LEU:HD13	2:9:A:LEU:H	13	0.89
(1,1570)	2:42:A:LEU:HD13	2:19:A:TYR:HD1	9	0.89
(1,1570)	2:42:A:LEU:HD13	2:19:A:TYR:HD2	9	0.89
(1,1544)	2:42:A:LEU:HD13	2:82:A:ILE:HG22	3	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1485)	2:46:A:LEU:HD22	2:39:A:THR:HG22	7	0.89
(1,1485)	2:46:A:LEU:HD21	2:39:A:THR:HG23	12	0.89
(1,1096)	2:59:B:MET:HE3	2:75:B:TYR:HD1	8	0.89
(1,1096)	2:59:B:MET:HE3	2:75:B:TYR:HD2	8	0.89
(1,1096)	2:59:B:MET:HE3	2:75:B:TYR:HD1	20	0.89
(1,1096)	2:59:B:MET:HE3	2:75:B:TYR:HD2	20	0.89
(1,944)	2:62:B:LEU:HD22	2:70:B:VAL:HB	1	0.89
(1,727)	2:70:A:VAL:HG21	2:75:A:TYR:HB3	5	0.89
(1,499)	2:79:B:LEU:HD23	2:83:A:ALA:H	19	0.89
(1,460)	2:79:A:LEU:HD23	2:76:A:CYS:HA	4	0.89
(1,252)	2:84:B:MET:HE1	2:72:A:PHE:HD1	7	0.89
(1,252)	2:84:B:MET:HE1	2:72:A:PHE:HD2	7	0.89
(1,6627)	2:2:A:ALA:HB2	2:4:A:PRO:HG2	13	0.88
(1,6593)	2:5:B:LEU:HD23	2:42:A:LEU:HD13	15	0.88
(1,6543)	2:8:B:ALA:HB2	2:10:B:ASP:HB2	8	0.88
(1,6543)	2:8:B:ALA:HB3	2:10:B:ASP:HB2	17	0.88
(1,6509)	2:9:B:LEU:HD12	2:12:B:MET:HA	11	0.88
(1,6461)	2:12:A:MET:HE2	2:11:A:VAL:H	6	0.88
(1,6442)	2:12:B:MET:HE3	2:75:B:TYR:HD1	19	0.88
(1,6427)	2:13:A:VAL:HG23	2:72:A:PHE:HE2	6	0.88
(1,6427)	2:13:B:VAL:HG21	2:72:B:PHE:HE1	10	0.88
(1,6244)	2:29:B:LEU:HD11	2:34:B:LEU:HB3	20	0.88
(1,6242)	2:29:B:LEU:HD12	2:37:B:LEU:HD11	18	0.88
(1,6105)	2:38:B:LEU:HD22	2:58:B:LEU:HD22	9	0.88
(1,6098)	2:38:B:LEU:HD12	2:31:B:LYS:HA	7	0.88
(1,6098)	2:38:B:LEU:HD13	2:31:B:LYS:HA	11	0.88
(1,6098)	2:38:B:LEU:HD11	2:31:B:LYS:HA	14	0.88
(1,6084)	2:38:A:LEU:HD12	2:39:A:THR:HA	19	0.88
(1,6041)	2:42:A:LEU:HD12	2:39:A:THR:H	2	0.88
(1,6041)	2:42:A:LEU:HD12	2:39:A:THR:H	18	0.88
(1,6037)	2:42:A:LEU:HD11	2:3:B:CYS:HB3	12	0.88
(1,6037)	2:42:A:LEU:HD11	2:3:B:CYS:HB3	18	0.88
(1,6033)	2:42:A:LEU:HD13	2:41:A:GLU:HG2	9	0.88
(1,6033)	2:42:A:LEU:HD12	2:37:A:LEU:HA	10	0.88
(1,6010)	2:49:B:ARG:HD3	2:35:B:LYS:HD2	13	0.88
(1,6010)	2:49:B:ARG:HD2	2:35:B:LYS:HD2	18	0.88
(1,5974)	2:58:B:LEU:HD21	2:55:B:PHE:HB2	9	0.88
(1,5792)	2:82:B:ILE:HD12	1:1921:C:LEU:HD13	3	0.88
(1,5786)	2:82:B:ILE:HD13	2:80:B:SER:H	7	0.88
(1,5747)	2:85:B:MET:HE1	2:61:B:ASN:HD21	20	0.88
(1,5743)	2:85:B:MET:HE2	1:1918:C:LYS:HE3	16	0.88
(1,5742)	2:85:B:MET:HE1	1:1921:C:LEU:HD13	8	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5742)	2:85:B:MET:HE2	1:1921:C:LEU:HD11	16	0.88
(1,5741)	2:85:A:MET:HE2	2:58:A:LEU:HD23	6	0.88
(1,5657)	1:1900:C:LEU:HD12	2:46:A:LEU:HA	18	0.88
(1,5542)	1:1907:C:ALA:HB1	2:62:A:LEU:HD23	3	0.88
(1,5542)	1:1907:C:ALA:HB2	2:62:A:LEU:HD23	3	0.88
(1,5542)	1:1907:C:ALA:HB3	2:62:A:LEU:HD23	3	0.88
(1,5501)	1:1910:C:MET:HE2	2:84:A:MET:HA	1	0.88
(1,5501)	1:1910:C:MET:HE1	2:84:A:MET:HA	4	0.88
(1,5501)	1:1910:C:MET:HE1	2:84:A:MET:HA	10	0.88
(1,5501)	1:1910:C:MET:HE3	2:84:A:MET:HA	17	0.88
(1,4411)	2:46:B:LEU:HD11	1:1928:C:PHE:HD1	3	0.88
(1,4178)	2:46:A:LEU:HD21	1:1897:C:GLN:HG2	2	0.88
(1,4126)	2:76:A:CYS:HA	1:1910:C:MET:HG2	2	0.88
(1,4060)	2:85:B:MET:HE3	1:1928:C:PHE:HB3	12	0.88
(1,4013)	2:46:B:LEU:HD21	1:1928:C:PHE:HZ	7	0.88
(1,4010)	2:58:B:LEU:HD11	1:1917:C:LEU:HD11	2	0.88
(1,4010)	2:58:B:LEU:HD11	1:1917:C:LEU:HD12	2	0.88
(1,4010)	2:58:B:LEU:HD11	1:1917:C:LEU:HD13	2	0.88
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG21	7	0.88
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG22	7	0.88
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG23	7	0.88
(1,3909)	2:38:A:LEU:HD13	1:1900:C:LEU:HB2	1	0.88
(1,2876)	2:47:A:GLY:H	1:1897:C:GLN:HE22	5	0.88
(1,2199)	2:15:A:THR:HG22	2:5:B:LEU:HD12	9	0.88
(1,1902)	2:34:A:LEU:HD13	2:60:A:SER:H	4	0.88
(1,1902)	2:34:A:LEU:HD13	2:60:A:SER:H	17	0.88
(1,1851)	2:35:A:LYS:HD2	2:55:A:PHE:HD2	1	0.88
(1,1608)	2:42:B:LEU:HD13	2:9:A:LEU:H	16	0.88
(1,1570)	2:42:A:LEU:HD13	2:19:A:TYR:HD1	5	0.88
(1,1570)	2:42:A:LEU:HD13	2:19:A:TYR:HD2	5	0.88
(1,1483)	2:46:A:LEU:HD23	1:1897:C:GLN:HG2	10	0.88
(1,1327)	2:53:B:ALA:HB3	2:56:B:GLN:HB3	9	0.88
(1,1155)	2:58:A:LEU:HD23	2:85:A:MET:HE2	6	0.88
(1,1093)	2:59:B:MET:HE2	2:30:B:ASN:HD22	17	0.88
(1,1072)	2:59:B:MET:HE3	2:29:B:LEU:HD13	3	0.88
(1,1072)	2:59:B:MET:HE3	2:29:B:LEU:HD11	7	0.88
(1,1053)	2:59:A:MET:HE1	2:75:A:TYR:HD1	10	0.88
(1,1053)	2:59:A:MET:HE1	2:75:A:TYR:HD2	10	0.88
(1,785)	2:70:B:VAL:HG22	2:29:B:LEU:HD11	16	0.88
(1,621)	2:76:A:CYS:HA	1:1910:C:MET:HG2	2	0.88
(1,351)	2:82:B:ILE:HG23	2:81:B:CYS:H	4	0.88
(1,126)	2:85:A:MET:HE2	1:1898:C:ARG:H	16	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6624)	2:2:B:ALA:HB3	2:4:B:PRO:HB2	9	0.87
(1,6619)	2:2:A:ALA:HB2	2:6:A:GLU:H	5	0.87
(1,6543)	2:8:B:ALA:HB3	2:10:B:ASP:HB2	4	0.87
(1,6475)	2:11:A:VAL:HG13	2:8:B:ALA:HB2	17	0.87
(1,6462)	2:12:A:MET:HE2	2:84:B:MET:H	11	0.87
(1,6461)	2:12:A:MET:HE2	2:13:A:VAL:H	13	0.87
(1,6448)	2:12:A:MET:HE1	2:9:A:LEU:HD23	3	0.87
(1,6443)	2:12:B:MET:HE2	2:82:A:ILE:H	6	0.87
(1,6433)	2:12:B:MET:HG3	2:13:B:VAL:HG12	1	0.87
(1,6419)	2:13:A:VAL:HG21	2:91:B:GLU:HB3	2	0.87
(1,6244)	2:29:B:LEU:HD13	2:34:B:LEU:HB3	3	0.87
(1,6244)	2:29:B:LEU:HD11	2:34:B:LEU:HB3	6	0.87
(1,6242)	2:29:B:LEU:HD11	2:37:B:LEU:HD13	3	0.87
(1,6242)	2:29:B:LEU:HD12	2:37:B:LEU:HD11	9	0.87
(1,6242)	2:29:B:LEU:HD13	2:37:B:LEU:HD12	10	0.87
(1,6240)	2:29:A:LEU:HD11	2:34:A:LEU:HB3	6	0.87
(1,6041)	2:42:A:LEU:HD11	2:39:A:THR:H	9	0.87
(1,6041)	2:42:A:LEU:HD12	2:39:A:THR:H	20	0.87
(1,6037)	2:42:A:LEU:HD13	2:3:B:CYS:HB3	19	0.87
(1,6009)	2:49:B:ARG:HG3	2:35:B:LYS:HD2	5	0.87
(1,5972)	2:58:B:LEU:HD22	2:62:B:LEU:HD13	17	0.87
(1,5927)	2:62:B:LEU:HD23	2:85:B:MET:HE1	15	0.87
(1,5818)	2:79:B:LEU:HD21	2:80:B:SER:HB3	1	0.87
(1,5812)	2:79:B:LEU:HD13	2:75:B:TYR:HA	11	0.87
(1,5792)	2:82:B:ILE:HD12	1:1921:C:LEU:HD12	13	0.87
(1,5787)	2:82:B:ILE:HD13	2:81:B:CYS:H	13	0.87
(1,5630)	1:1903:C:ALA:HB1	2:9:B:LEU:HD11	15	0.87
(1,5630)	1:1903:C:ALA:HB2	2:9:B:LEU:HD11	15	0.87
(1,5630)	1:1903:C:ALA:HB3	2:9:B:LEU:HD11	15	0.87
(1,5546)	1:1907:C:ALA:HB1	2:85:A:MET:HE3	10	0.87
(1,5546)	1:1907:C:ALA:HB2	2:85:A:MET:HE3	10	0.87
(1,5546)	1:1907:C:ALA:HB3	2:85:A:MET:HE3	10	0.87
(1,5542)	1:1907:C:ALA:HB1	2:62:A:LEU:HD21	4	0.87
(1,5542)	1:1907:C:ALA:HB2	2:62:A:LEU:HD21	4	0.87
(1,5542)	1:1907:C:ALA:HB3	2:62:A:LEU:HD21	4	0.87
(1,5501)	1:1910:C:MET:HE2	2:84:A:MET:HA	8	0.87
(1,5501)	1:1910:C:MET:HE2	2:84:A:MET:HA	13	0.87
(1,4907)	1:1918:C:LYS:H	1:1922:C:ARG:HB3	7	0.87
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG21	9	0.87
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG22	9	0.87
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG23	9	0.87
(1,4018)	2:38:B:LEU:HD23	1:1927:C:PRO:HB2	19	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4013)	2:46:B:LEU:HD21	1:1928:C:PHE:HZ	12	0.87
(1,4010)	2:58:B:LEU:HD11	1:1917:C:LEU:HD11	4	0.87
(1,4010)	2:58:B:LEU:HD11	1:1917:C:LEU:HD12	4	0.87
(1,4010)	2:58:B:LEU:HD11	1:1917:C:LEU:HD13	4	0.87
(1,4010)	2:58:B:LEU:HD12	1:1917:C:LEU:HD11	11	0.87
(1,4010)	2:58:B:LEU:HD12	1:1917:C:LEU:HD12	11	0.87
(1,4010)	2:58:B:LEU:HD12	1:1917:C:LEU:HD13	11	0.87
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG21	6	0.87
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG22	6	0.87
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG23	6	0.87
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG21	16	0.87
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG22	16	0.87
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG23	16	0.87
(1,3990)	2:58:B:LEU:HD12	1:1929:C:VAL:HG21	19	0.87
(1,3990)	2:58:B:LEU:HD12	1:1929:C:VAL:HG22	19	0.87
(1,3990)	2:58:B:LEU:HD12	1:1929:C:VAL:HG23	19	0.87
(1,2386)	2:9:B:LEU:HD13	2:5:B:LEU:HB3	6	0.87
(1,1962)	2:34:B:LEU:HD23	2:62:B:LEU:HD22	10	0.87
(1,1962)	2:34:B:LEU:HD22	2:62:B:LEU:HD23	11	0.87
(1,1712)	2:38:A:LEU:HD11	2:46:A:LEU:HB3	3	0.87
(1,1712)	2:38:A:LEU:HD13	2:46:A:LEU:HB3	13	0.87
(1,1695)	2:38:A:LEU:HD11	2:42:A:LEU:H	17	0.87
(1,1608)	2:42:B:LEU:HD13	2:9:A:LEU:H	4	0.87
(1,1608)	2:42:B:LEU:HD13	2:9:A:LEU:H	6	0.87
(1,1608)	2:42:B:LEU:HD13	2:9:A:LEU:H	8	0.87
(1,1582)	2:42:B:LEU:HD13	2:82:B:ILE:HG22	10	0.87
(1,1544)	2:42:A:LEU:HD13	2:82:A:ILE:HG22	8	0.87
(1,1102)	2:59:B:MET:HE2	2:34:B:LEU:H	5	0.87
(1,1093)	2:59:B:MET:HE2	2:30:B:ASN:HD22	5	0.87
(1,1093)	2:59:B:MET:HE2	2:30:B:ASN:HD22	12	0.87
(1,1072)	2:59:B:MET:HE3	2:29:B:LEU:HD13	13	0.87
(1,1072)	2:59:B:MET:HE1	2:29:B:LEU:HD11	19	0.87
(1,727)	2:70:A:VAL:HG22	2:75:A:TYR:HB3	9	0.87
(1,577)	2:46:B:LEU:HD23	2:43:B:PRO:HB2	10	0.87
(1,499)	2:79:B:LEU:HD23	2:83:A:ALA:H	10	0.87
(1,460)	2:79:A:LEU:HD23	2:76:A:CYS:HA	19	0.87
(1,6608)	2:3:A:CYS:HA	2:6:A:GLU:HA	1	0.86
(1,6475)	2:11:A:VAL:HG11	2:8:B:ALA:HB3	1	0.86
(1,6475)	2:11:A:VAL:HG12	2:8:B:ALA:HB1	6	0.86
(1,6461)	2:12:A:MET:HE3	2:76:A:CYS:H	3	0.86
(1,6449)	2:12:A:MET:HE2	2:9:A:LEU:HD12	11	0.86
(1,6448)	2:12:A:MET:HE1	2:9:A:LEU:HD23	14	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6244)	2:29:B:LEU:HD11	2:34:B:LEU:HB3	16	0.86
(1,6242)	2:29:B:LEU:HD12	2:37:B:LEU:HD13	2	0.86
(1,6240)	2:29:A:LEU:HD11	2:34:A:LEU:HB3	20	0.86
(1,6147)	2:37:A:LEU:HD23	2:15:A:THR:HG23	5	0.86
(1,6135)	2:37:A:LEU:HD12	2:41:A:GLU:HB2	18	0.86
(1,6098)	2:38:B:LEU:HD11	2:31:B:LYS:HA	3	0.86
(1,6084)	2:38:A:LEU:HD12	2:39:A:THR:HA	9	0.86
(1,6074)	2:39:A:THR:HG21	2:50:A:THR:HA	2	0.86
(1,6074)	2:39:A:THR:HG21	2:50:A:THR:HA	14	0.86
(1,6041)	2:42:A:LEU:HD12	2:39:A:THR:H	16	0.86
(1,5927)	2:62:B:LEU:HD22	2:85:B:MET:HE1	5	0.86
(1,5927)	2:62:B:LEU:HD22	2:85:B:MET:HE1	14	0.86
(1,5927)	2:62:B:LEU:HD22	2:85:B:MET:HE1	18	0.86
(1,5826)	2:77:A:VAL:HG12	2:81:A:CYS:HB2	12	0.86
(1,5818)	2:79:B:LEU:HD21	2:80:B:SER:HB3	4	0.86
(1,5792)	2:82:B:ILE:HD12	1:1921:C:LEU:HD11	20	0.86
(1,5768)	2:83:B:ALA:HB1	2:79:B:LEU:HA	11	0.86
(1,5743)	2:85:B:MET:HE1	1:1928:C:PHE:HB3	19	0.86
(1,5657)	1:1900:C:LEU:HD13	2:46:A:LEU:HA	1	0.86
(1,5542)	1:1907:C:ALA:HB1	2:62:A:LEU:HD22	7	0.86
(1,5542)	1:1907:C:ALA:HB2	2:62:A:LEU:HD22	7	0.86
(1,5542)	1:1907:C:ALA:HB3	2:62:A:LEU:HD22	7	0.86
(1,5128)	1:1934:C:MET:HE2	2:13:A:VAL:HA	11	0.86
(1,5120)	1:1934:C:MET:HE1	2:9:A:LEU:HD11	9	0.86
(1,5120)	1:1934:C:MET:HE2	2:9:A:LEU:HD11	9	0.86
(1,5120)	1:1934:C:MET:HE3	2:9:A:LEU:HD11	9	0.86
(1,4691)	2:74:B:GLU:HG3	1:1921:C:LEU:HD12	9	0.86
(1,4180)	2:46:A:LEU:HD23	1:1900:C:LEU:HB3	16	0.86
(1,4126)	2:76:A:CYS:HA	1:1910:C:MET:HG2	13	0.86
(1,4060)	2:85:B:MET:HE1	1:1928:C:PHE:HB3	19	0.86
(1,4043)	2:85:A:MET:HE2	1:1898:C:ARG:HG2	18	0.86
(1,4028)	2:82:B:ILE:HG23	1:1926:C:LEU:HD11	7	0.86
(1,4028)	2:82:B:ILE:HG23	1:1926:C:LEU:HD12	7	0.86
(1,4028)	2:82:B:ILE:HG23	1:1926:C:LEU:HD13	7	0.86
(1,4028)	2:82:B:ILE:HG21	1:1926:C:LEU:HD11	12	0.86
(1,4028)	2:82:B:ILE:HG21	1:1926:C:LEU:HD12	12	0.86
(1,4028)	2:82:B:ILE:HG21	1:1926:C:LEU:HD13	12	0.86
(1,3985)	2:62:B:LEU:HD23	1:1917:C:LEU:HA	14	0.86
(1,3963)	2:77:B:VAL:HG23	1:1920:C:LYS:HG3	15	0.86
(1,2454)	2:8:A:ALA:HB2	2:11:A:VAL:H	18	0.86
(1,2388)	2:9:B:LEU:HD13	2:42:A:LEU:HB3	9	0.86
(1,2386)	2:9:B:LEU:HD12	2:5:B:LEU:HB3	5	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2280)	2:12:B:MET:HE2	2:84:A:MET:H	16	0.86
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD1	20	0.86
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD2	20	0.86
(1,1988)	2:31:A:LYS:HD3	2:55:A:PHE:HD2	18	0.86
(1,1902)	2:34:A:LEU:HD13	2:60:A:SER:H	5	0.86
(1,1608)	2:42:B:LEU:HD13	2:9:A:LEU:H	3	0.86
(1,1608)	2:42:B:LEU:HD13	2:9:A:LEU:H	12	0.86
(1,1582)	2:42:B:LEU:HD13	2:82:B:ILE:HG21	16	0.86
(1,1102)	2:59:B:MET:HE3	2:34:B:LEU:H	4	0.86
(1,1102)	2:59:B:MET:HE3	2:34:B:LEU:H	6	0.86
(1,1096)	2:59:B:MET:HE3	2:75:B:TYR:HD1	12	0.86
(1,1096)	2:59:B:MET:HE3	2:75:B:TYR:HD2	12	0.86
(1,1072)	2:59:B:MET:HE3	2:29:B:LEU:HD11	5	0.86
(1,1041)	2:59:A:MET:HE1	2:55:A:PHE:HD1	8	0.86
(1,983)	2:61:B:ASN:HB3	1:1917:C:LEU:HD21	9	0.86
(1,983)	2:61:B:ASN:HB3	1:1917:C:LEU:HD22	9	0.86
(1,983)	2:61:B:ASN:HB3	1:1917:C:LEU:HD23	9	0.86
(1,727)	2:70:A:VAL:HG22	2:75:A:TYR:HB3	11	0.86
(1,621)	2:76:A:CYS:HA	1:1910:C:MET:HG2	13	0.86
(1,577)	2:46:B:LEU:HD22	2:43:B:PRO:HB2	11	0.86
(1,499)	2:79:B:LEU:HD23	2:83:A:ALA:H	4	0.86
(1,499)	2:79:B:LEU:HD23	2:83:A:ALA:H	16	0.86
(1,460)	2:79:A:LEU:HD23	2:76:A:CYS:HA	7	0.86
(1,126)	2:85:A:MET:HE2	1:1898:C:ARG:H	9	0.86
(1,6619)	2:2:A:ALA:HB1	2:6:A:GLU:H	10	0.85
(1,6543)	2:8:B:ALA:HB2	2:10:B:ASP:HB2	18	0.85
(1,6475)	2:11:A:VAL:HG12	2:8:B:ALA:HB2	9	0.85
(1,6475)	2:11:A:VAL:HG12	2:8:B:ALA:HB1	15	0.85
(1,6459)	2:12:A:MET:HE2	2:72:A:PHE:HE2	13	0.85
(1,6441)	2:12:B:MET:HE3	2:78:B:PHE:HD2	2	0.85
(1,6441)	2:12:B:MET:HE3	2:78:B:PHE:HD1	12	0.85
(1,6240)	2:29:A:LEU:HD13	2:34:A:LEU:HB3	3	0.85
(1,6240)	2:29:A:LEU:HD11	2:34:A:LEU:HB3	16	0.85
(1,6104)	2:38:B:LEU:HD23	2:82:B:ILE:HB	1	0.85
(1,6104)	2:38:B:LEU:HD22	2:82:B:ILE:HB	19	0.85
(1,6041)	2:42:A:LEU:HD12	2:39:A:THR:H	13	0.85
(1,6037)	2:42:A:LEU:HD11	2:3:B:CYS:HB3	13	0.85
(1,6020)	2:46:A:LEU:HD23	1:1900:C:LEU:HG	18	0.85
(1,6010)	2:49:B:ARG:HD2	2:35:B:LYS:HD2	10	0.85
(1,5972)	2:58:B:LEU:HD22	2:62:B:LEU:HD13	6	0.85
(1,5826)	2:77:A:VAL:HG13	2:81:A:CYS:HB2	9	0.85
(1,5787)	2:82:B:ILE:HD12	2:81:B:CYS:H	4	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5787)	2:82:B:ILE:HD13	2:81:B:CYS:H	18	0.85
(1,5780)	2:82:A:ILE:HD12	2:42:A:LEU:HD12	14	0.85
(1,5753)	2:84:A:MET:HE3	2:73:B:GLN:H	9	0.85
(1,5742)	2:85:B:MET:HE1	1:1926:C:LEU:HD13	2	0.85
(1,5542)	1:1907:C:ALA:HB1	2:62:A:LEU:HD23	2	0.85
(1,5542)	1:1907:C:ALA:HB2	2:62:A:LEU:HD23	2	0.85
(1,5542)	1:1907:C:ALA:HB3	2:62:A:LEU:HD23	2	0.85
(1,5542)	1:1907:C:ALA:HB1	2:62:A:LEU:HD23	11	0.85
(1,5542)	1:1907:C:ALA:HB2	2:62:A:LEU:HD23	11	0.85
(1,5542)	1:1907:C:ALA:HB3	2:62:A:LEU:HD23	11	0.85
(1,5342)	1:1917:C:LEU:HD23	1:1920:C:LYS:H	9	0.85
(1,5120)	1:1934:C:MET:HE1	2:9:A:LEU:HD11	4	0.85
(1,5120)	1:1934:C:MET:HE2	2:9:A:LEU:HD11	4	0.85
(1,5120)	1:1934:C:MET:HE3	2:9:A:LEU:HD11	4	0.85
(1,4752)	2:58:A:LEU:H	1:1898:C:ARG:HD3	7	0.85
(1,4126)	2:76:A:CYS:HA	1:1910:C:MET:HG2	19	0.85
(1,4088)	2:84:B:MET:HE3	1:1913:C:GLU:HG3	4	0.85
(1,4088)	2:84:B:MET:HE3	1:1913:C:GLU:HG3	5	0.85
(1,4088)	2:84:B:MET:HE3	1:1913:C:GLU:HG3	10	0.85
(1,4060)	2:85:B:MET:HE3	1:1928:C:PHE:HB3	15	0.85
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG21	18	0.85
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG22	18	0.85
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG23	18	0.85
(1,4013)	2:46:B:LEU:HD21	1:1928:C:PHE:HZ	16	0.85
(1,3909)	2:38:A:LEU:HD11	1:1900:C:LEU:HB2	8	0.85
(1,2454)	2:8:A:ALA:HB2	2:11:A:VAL:H	15	0.85
(1,2386)	2:9:B:LEU:HD11	2:5:B:LEU:HB3	7	0.85
(1,2280)	2:12:B:MET:HE2	2:84:A:MET:H	5	0.85
(1,2280)	2:12:B:MET:HE2	2:84:A:MET:H	19	0.85
(1,1712)	2:38:A:LEU:HD12	2:46:A:LEU:HB3	20	0.85
(1,1708)	2:38:A:LEU:HD21	2:34:A:LEU:HA	10	0.85
(1,1608)	2:42:B:LEU:HD13	2:9:A:LEU:H	2	0.85
(1,1582)	2:42:B:LEU:HD13	2:82:B:ILE:HG22	8	0.85
(1,1362)	2:52:B:GLU:HG2	2:53:B:ALA:HB3	1	0.85
(1,1159)	2:58:A:LEU:HD22	2:62:A:LEU:HD22	19	0.85
(1,1119)	2:58:A:LEU:HD11	2:57:A:LYS:H	6	0.85
(1,1071)	2:59:B:MET:HE3	2:29:B:LEU:HD22	17	0.85
(1,621)	2:76:A:CYS:HA	1:1910:C:MET:HG2	19	0.85
(1,514)	2:79:B:LEU:HD11	2:15:B:THR:HG21	16	0.85
(1,514)	2:79:B:LEU:HD13	2:15:B:THR:HG21	20	0.85
(1,126)	2:85:A:MET:HE2	1:1898:C:ARG:H	20	0.85
(1,6706)	2:23:A:GLU:H	2:26:A:LYS:HA	5	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6706)	2:23:B:GLU:H	2:26:B:LYS:HA	7	0.84
(1,6619)	2:2:A:ALA:HB1	2:6:A:GLU:H	14	0.84
(1,6608)	2:3:A:CYS:HA	2:6:A:GLU:HA	6	0.84
(1,6608)	2:3:A:CYS:HA	2:6:A:GLU:HA	10	0.84
(1,6550)	2:8:A:ALA:HB1	2:11:B:VAL:HG11	16	0.84
(1,6537)	2:8:A:ALA:HB3	2:12:B:MET:HG3	5	0.84
(1,6537)	2:8:A:ALA:HB3	2:12:B:MET:HG3	20	0.84
(1,6475)	2:11:A:VAL:HG11	2:8:B:ALA:HB1	2	0.84
(1,6475)	2:11:A:VAL:HG13	2:8:B:ALA:HB3	14	0.84
(1,6461)	2:12:A:MET:HE1	2:13:A:VAL:H	19	0.84
(1,6449)	2:12:A:MET:HE2	2:9:A:LEU:HD13	14	0.84
(1,6415)	2:13:A:VAL:HG13	2:72:A:PHE:HA	9	0.84
(1,6360)	2:21:A:GLY:HA2	2:26:A:LYS:HD3	14	0.84
(1,6360)	2:21:B:GLY:HA2	2:26:B:LYS:HD3	19	0.84
(1,6185)	2:34:A:LEU:HD23	1:1900:C:LEU:HD21	6	0.84
(1,6104)	2:38:B:LEU:HD21	2:82:B:ILE:HB	8	0.84
(1,6104)	2:38:B:LEU:HD21	2:82:B:ILE:HB	13	0.84
(1,6098)	2:38:B:LEU:HD12	2:31:B:LYS:HA	16	0.84
(1,6041)	2:42:A:LEU:HD12	2:39:A:THR:H	10	0.84
(1,6041)	2:42:A:LEU:HD12	2:39:A:THR:H	11	0.84
(1,6037)	2:42:A:LEU:HD11	2:3:B:CYS:HB3	7	0.84
(1,6033)	2:42:A:LEU:HD12	2:37:A:LEU:HA	15	0.84
(1,5948)	2:59:A:MET:HE3	2:69:A:GLU:H	13	0.84
(1,5826)	2:77:A:VAL:HG12	2:81:A:CYS:HB2	11	0.84
(1,5746)	2:85:B:MET:HE3	2:78:B:PHE:HE1	2	0.84
(1,5746)	2:85:B:MET:HE3	2:78:B:PHE:HE2	18	0.84
(1,5501)	1:1910:C:MET:HE3	2:84:A:MET:HA	7	0.84
(1,5501)	1:1910:C:MET:HE2	2:84:A:MET:HA	16	0.84
(1,4411)	2:46:B:LEU:HD11	1:1928:C:PHE:HD2	15	0.84
(1,4088)	2:84:B:MET:HE3	1:1913:C:GLU:HG3	8	0.84
(1,4043)	2:85:A:MET:HE2	1:1898:C:ARG:HG2	8	0.84
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG21	2	0.84
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG22	2	0.84
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG23	2	0.84
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG21	19	0.84
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG22	19	0.84
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG23	19	0.84
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG21	1	0.84
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG22	1	0.84
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG23	1	0.84
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG21	4	0.84
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG22	4	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG23	4	0.84
(1,3963)	2:77:B:VAL:HG23	1:1920:C:LYS:HG3	5	0.84
(1,3909)	2:38:A:LEU:HD12	1:1900:C:LEU:HB2	10	0.84
(1,3909)	2:38:A:LEU:HD13	1:1900:C:LEU:HB2	15	0.84
(1,3909)	2:38:A:LEU:HD12	1:1900:C:LEU:HB2	16	0.84
(1,2889)	2:49:A:ARG:H	2:54:A:ALA:HB2	2	0.84
(1,2546)	2:5:A:LEU:HD23	2:12:B:MET:HG3	19	0.84
(1,2454)	2:8:A:ALA:HB2	2:11:A:VAL:H	11	0.84
(1,2280)	2:12:B:MET:HE2	2:84:A:MET:H	4	0.84
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD1	14	0.84
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD2	14	0.84
(1,2031)	2:29:A:LEU:HD12	2:37:A:LEU:HD12	7	0.84
(1,1958)	2:34:B:LEU:HD21	2:70:B:VAL:HG13	11	0.84
(1,1903)	2:34:A:LEU:HD13	2:55:A:PHE:HE1	3	0.84
(1,1775)	2:37:B:LEU:HD12	2:29:B:LEU:HD12	7	0.84
(1,1608)	2:42:B:LEU:HD13	2:9:A:LEU:H	1	0.84
(1,1582)	2:42:B:LEU:HD12	2:82:B:ILE:HG22	4	0.84
(1,1544)	2:42:A:LEU:HD13	2:82:A:ILE:HG22	18	0.84
(1,1485)	2:46:A:LEU:HD21	2:39:A:THR:HG23	14	0.84
(1,1485)	2:46:A:LEU:HD21	2:39:A:THR:HG22	17	0.84
(1,1468)	2:46:A:LEU:HD11	1:1897:C:GLN:HE22	20	0.84
(1,1347)	2:52:A:GLU:HG2	2:35:A:LYS:HD3	13	0.84
(1,1102)	2:59:B:MET:HE3	2:34:B:LEU:H	18	0.84
(1,1093)	2:59:B:MET:HE2	2:30:B:ASN:HD22	20	0.84
(1,1072)	2:59:B:MET:HE3	2:29:B:LEU:HD11	4	0.84
(1,961)	2:62:B:LEU:HD22	2:78:B:PHE:H	20	0.84
(1,577)	2:46:B:LEU:HD22	2:43:B:PRO:HB2	4	0.84
(1,577)	2:46:B:LEU:HD23	2:43:B:PRO:HB2	13	0.84
(1,515)	2:79:B:LEU:HD11	2:82:B:ILE:HB	20	0.84
(1,460)	2:79:A:LEU:HD23	2:76:A:CYS:HA	6	0.84
(1,351)	2:82:B:ILE:HG21	2:81:B:CYS:H	1	0.84
(1,6968)	2:17:A:HIS:H	2:26:A:LYS:HE2	15	0.83
(1,6706)	2:23:A:GLU:H	2:26:A:LYS:HA	15	0.83
(1,6624)	2:2:B:ALA:HB1	2:4:B:PRO:HB2	1	0.83
(1,6608)	2:3:A:CYS:HA	2:6:A:GLU:HA	3	0.83
(1,6608)	2:3:A:CYS:HA	2:6:A:GLU:HA	9	0.83
(1,6608)	2:3:A:CYS:HA	2:6:A:GLU:HA	13	0.83
(1,6593)	2:5:B:LEU:HD22	2:42:A:LEU:HD13	17	0.83
(1,6550)	2:8:A:ALA:HB2	2:11:B:VAL:HG11	10	0.83
(1,6461)	2:12:A:MET:HE2	2:13:A:VAL:H	7	0.83
(1,6457)	2:12:A:MET:HE1	2:8:A:ALA:HA	11	0.83
(1,6457)	2:12:A:MET:HE1	2:8:A:ALA:HA	15	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6448)	2:12:A:MET:HE2	2:9:A:LEU:HD21	9	0.83
(1,6441)	2:12:B:MET:HE3	2:78:B:PHE:HD1	9	0.83
(1,6244)	2:29:B:LEU:HD13	2:34:B:LEU:HB3	12	0.83
(1,6240)	2:29:A:LEU:HD11	2:34:A:LEU:HB3	1	0.83
(1,6240)	2:29:A:LEU:HD13	2:34:A:LEU:HB3	12	0.83
(1,6084)	2:38:A:LEU:HD12	2:39:A:THR:HA	16	0.83
(1,5959)	2:59:B:MET:HE1	2:60:B:SER:HB3	7	0.83
(1,5927)	2:62:B:LEU:HD23	2:85:B:MET:HE1	12	0.83
(1,5753)	2:84:A:MET:HE1	2:73:B:GLN:H	14	0.83
(1,5746)	2:85:B:MET:HE3	2:78:B:PHE:HE1	14	0.83
(1,5657)	1:1900:C:LEU:HD13	2:46:A:LEU:HA	11	0.83
(1,5542)	1:1907:C:ALA:HB1	2:62:A:LEU:HD21	10	0.83
(1,5542)	1:1907:C:ALA:HB2	2:62:A:LEU:HD21	10	0.83
(1,5542)	1:1907:C:ALA:HB3	2:62:A:LEU:HD21	10	0.83
(1,5342)	1:1917:C:LEU:HD23	1:1920:C:LYS:H	13	0.83
(1,5120)	1:1934:C:MET:HE1	2:9:A:LEU:HD12	8	0.83
(1,5120)	1:1934:C:MET:HE2	2:9:A:LEU:HD12	8	0.83
(1,5120)	1:1934:C:MET:HE3	2:9:A:LEU:HD12	8	0.83
(1,5026)	1:1907:C:ALA:H	2:85:A:MET:HB2	6	0.83
(1,4752)	2:58:A:LEU:H	1:1898:C:ARG:HD3	19	0.83
(1,4723)	2:82:A:ILE:HD13	1:1900:C:LEU:HB2	13	0.83
(1,4691)	2:74:B:GLU:HG3	1:1921:C:LEU:HD12	8	0.83
(1,4691)	2:74:B:GLU:HG3	1:1921:C:LEU:HD13	10	0.83
(1,4691)	2:74:B:GLU:HG3	1:1921:C:LEU:HD12	12	0.83
(1,4180)	2:46:A:LEU:HD22	1:1900:C:LEU:HB3	1	0.83
(1,4088)	2:84:B:MET:HE3	1:1913:C:GLU:HG3	3	0.83
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG21	20	0.83
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG22	20	0.83
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG23	20	0.83
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG11	5	0.83
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG12	5	0.83
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG13	5	0.83
(1,4018)	2:38:B:LEU:HD22	1:1927:C:PRO:HB2	8	0.83
(1,4017)	2:38:B:LEU:HD22	1:1929:C:VAL:HG11	5	0.83
(1,4017)	2:38:B:LEU:HD22	1:1929:C:VAL:HG12	5	0.83
(1,4017)	2:38:B:LEU:HD22	1:1929:C:VAL:HG13	5	0.83
(1,4013)	2:46:B:LEU:HD21	1:1928:C:PHE:HZ	13	0.83
(1,3909)	2:38:A:LEU:HD12	1:1900:C:LEU:HB2	9	0.83
(1,3909)	2:38:A:LEU:HD12	1:1900:C:LEU:HB2	12	0.83
(1,3909)	2:38:A:LEU:HD13	1:1900:C:LEU:HB2	13	0.83
(1,3909)	2:38:A:LEU:HD12	1:1900:C:LEU:HB2	20	0.83
(1,2454)	2:8:A:ALA:HB1	2:11:A:VAL:H	14	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2388)	2:9:B:LEU:HD13	2:42:A:LEU:HB3	19	0.83
(1,2386)	2:9:B:LEU:HD13	2:5:B:LEU:HB3	20	0.83
(1,2281)	2:12:B:MET:HE3	2:76:B:CYS:H	13	0.83
(1,2280)	2:12:B:MET:HE2	2:84:A:MET:H	2	0.83
(1,1988)	2:31:A:LYS:HD3	2:55:A:PHE:HD2	20	0.83
(1,1962)	2:34:B:LEU:HD22	2:62:B:LEU:HD21	4	0.83
(1,1851)	2:35:A:LYS:HD2	2:55:A:PHE:HD2	8	0.83
(1,1708)	2:38:A:LEU:HD23	2:34:A:LEU:HA	1	0.83
(1,1708)	2:38:A:LEU:HD22	2:34:A:LEU:HA	6	0.83
(1,1708)	2:38:A:LEU:HD21	2:34:A:LEU:HA	11	0.83
(1,1103)	2:59:B:MET:HE3	2:67:B:ASP:H	2	0.83
(1,1102)	2:59:B:MET:HE1	2:34:B:LEU:H	7	0.83
(1,1102)	2:59:B:MET:HE3	2:34:B:LEU:H	15	0.83
(1,1000)	2:60:B:SER:HB3	2:59:B:MET:HE1	7	0.83
(1,944)	2:62:B:LEU:HD23	2:70:B:VAL:HB	11	0.83
(1,577)	2:46:B:LEU:HD22	2:43:B:PRO:HB2	9	0.83
(1,577)	2:46:B:LEU:HD23	2:43:B:PRO:HB2	17	0.83
(1,577)	2:46:B:LEU:HD22	2:43:B:PRO:HB2	19	0.83
(1,460)	2:79:A:LEU:HD22	2:76:A:CYS:HA	13	0.83
(1,252)	2:84:B:MET:HE1	2:72:A:PHE:HD1	16	0.83
(1,252)	2:84:B:MET:HE1	2:72:A:PHE:HD2	16	0.83
(1,175)	2:85:B:MET:HE3	1:1928:C:PHE:HA	5	0.83
(1,137)	2:85:A:MET:HE1	2:9:B:LEU:HD21	10	0.83
(1,6824)	2:73:A:GLN:H	2:75:A:TYR:HD2	4	0.82
(1,6706)	2:23:A:GLU:H	2:26:A:LYS:HA	18	0.82
(1,6619)	2:2:A:ALA:HB3	2:6:A:GLU:H	3	0.82
(1,6608)	2:3:A:CYS:HA	2:6:A:GLU:HA	2	0.82
(1,6537)	2:8:A:ALA:HB2	2:12:B:MET:HG3	19	0.82
(1,6461)	2:12:A:MET:HE2	2:11:A:VAL:H	20	0.82
(1,6457)	2:12:A:MET:HE1	2:8:A:ALA:HA	17	0.82
(1,6449)	2:12:A:MET:HE2	2:9:A:LEU:HD11	3	0.82
(1,6441)	2:12:B:MET:HE3	2:78:B:PHE:HD2	1	0.82
(1,6415)	2:13:A:VAL:HG11	2:72:A:PHE:HA	13	0.82
(1,6286)	2:26:A:LYS:HB3	2:27:A:PHE:HD2	3	0.82
(1,6244)	2:29:B:LEU:HD11	2:34:B:LEU:HB3	1	0.82
(1,6244)	2:29:B:LEU:HD11	2:34:B:LEU:HB3	14	0.82
(1,6240)	2:29:A:LEU:HD11	2:34:A:LEU:HB3	14	0.82
(1,6084)	2:38:A:LEU:HD12	2:36:A:GLU:HA	1	0.82
(1,6084)	2:38:A:LEU:HD12	2:39:A:THR:HA	7	0.82
(1,6084)	2:38:A:LEU:HD11	2:39:A:THR:HA	18	0.82
(1,6033)	2:42:A:LEU:HD12	2:37:A:LEU:HA	17	0.82
(1,5946)	2:59:A:MET:HE2	2:30:A:ASN:HB3	4	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5943)	2:59:A:MET:HE3	2:58:A:LEU:HG	6	0.82
(1,5927)	2:62:B:LEU:HD23	2:85:B:MET:HE1	8	0.82
(1,5908)	2:29:A:LEU:HD21	2:22:A:LYS:H	11	0.82
(1,5818)	2:79:B:LEU:HD21	2:80:B:SER:HB3	16	0.82
(1,5787)	2:82:B:ILE:HD12	2:81:B:CYS:H	12	0.82
(1,5787)	2:82:B:ILE:HD13	2:81:B:CYS:H	20	0.82
(1,5768)	2:83:B:ALA:HB1	2:79:B:LEU:HA	3	0.82
(1,5753)	2:84:A:MET:HE1	2:73:B:GLN:H	5	0.82
(1,5743)	2:85:B:MET:HE2	1:1918:C:LYS:HE3	14	0.82
(1,5542)	1:1907:C:ALA:HB1	2:62:A:LEU:HD21	9	0.82
(1,5542)	1:1907:C:ALA:HB2	2:62:A:LEU:HD21	9	0.82
(1,5542)	1:1907:C:ALA:HB3	2:62:A:LEU:HD21	9	0.82
(1,5542)	1:1907:C:ALA:HB1	2:62:A:LEU:HD21	16	0.82
(1,5542)	1:1907:C:ALA:HB2	2:62:A:LEU:HD21	16	0.82
(1,5542)	1:1907:C:ALA:HB3	2:62:A:LEU:HD21	16	0.82
(1,5120)	1:1934:C:MET:HE1	2:9:A:LEU:HD12	7	0.82
(1,5120)	1:1934:C:MET:HE2	2:9:A:LEU:HD12	7	0.82
(1,5120)	1:1934:C:MET:HE3	2:9:A:LEU:HD12	7	0.82
(1,5098)	1:1935:C:ALA:HB1	1:1933:C:ARG:HD3	1	0.82
(1,5098)	1:1935:C:ALA:HB2	1:1933:C:ARG:HD3	1	0.82
(1,5098)	1:1935:C:ALA:HB3	1:1933:C:ARG:HD3	1	0.82
(1,4720)	2:82:A:ILE:HG21	1:1900:C:LEU:HB2	13	0.82
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD21	18	0.82
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD22	18	0.82
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD23	18	0.82
(1,4180)	2:46:A:LEU:HD22	1:1900:C:LEU:HB3	2	0.82
(1,4178)	2:46:A:LEU:HD21	1:1897:C:GLN:HG2	13	0.82
(1,4126)	2:76:A:CYS:HA	1:1910:C:MET:HG2	16	0.82
(1,4120)	2:77:B:VAL:HG11	1:1917:C:LEU:H	13	0.82
(1,4056)	2:85:B:MET:HE1	1:1922:C:ARG:HG2	11	0.82
(1,4043)	2:85:A:MET:HE2	1:1898:C:ARG:HG2	17	0.82
(1,4018)	2:38:B:LEU:HD23	1:1927:C:PRO:HB2	18	0.82
(1,4013)	2:46:B:LEU:HD21	1:1928:C:PHE:HZ	9	0.82
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG21	12	0.82
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG22	12	0.82
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG23	12	0.82
(1,3955)	2:77:B:VAL:HG21	1:1914:C:VAL:HG11	9	0.82
(1,3955)	2:77:B:VAL:HG21	1:1914:C:VAL:HG11	10	0.82
(1,3955)	2:77:B:VAL:HG21	1:1914:C:VAL:HG12	19	0.82
(1,3909)	2:38:A:LEU:HD13	1:1900:C:LEU:HB2	4	0.82
(1,3909)	2:38:A:LEU:HD11	1:1900:C:LEU:HB2	14	0.82
(1,2546)	2:5:A:LEU:HD23	2:12:B:MET:HB3	5	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2454)	2:8:A:ALA:HB2	2:11:A:VAL:H	5	0.82
(1,2388)	2:9:B:LEU:HD12	2:42:A:LEU:HB3	5	0.82
(1,2388)	2:9:B:LEU:HD13	2:42:A:LEU:HB3	20	0.82
(1,2275)	2:12:B:MET:HE2	2:80:B:SER:HA	11	0.82
(1,1951)	2:34:B:LEU:HD23	2:31:B:LYS:HA	20	0.82
(1,1914)	2:34:A:LEU:HD23	2:31:A:LYS:HA	20	0.82
(1,1903)	2:34:A:LEU:HD12	2:55:A:PHE:HD2	5	0.82
(1,1775)	2:37:B:LEU:HD13	2:29:B:LEU:HD11	20	0.82
(1,1708)	2:38:A:LEU:HD22	2:34:A:LEU:HA	3	0.82
(1,1708)	2:38:A:LEU:HD21	2:34:A:LEU:HA	9	0.82
(1,1708)	2:38:A:LEU:HD23	2:34:A:LEU:HA	20	0.82
(1,1485)	2:46:A:LEU:HD22	2:39:A:THR:HG21	20	0.82
(1,1483)	2:46:A:LEU:HD23	1:1897:C:GLN:HG2	5	0.82
(1,1404)	2:49:A:ARG:HA	2:50:A:THR:HG21	7	0.82
(1,1403)	2:49:A:ARG:HA	2:54:A:ALA:HB3	7	0.82
(1,1327)	2:53:B:ALA:HB3	2:56:B:GLN:HB3	5	0.82
(1,1125)	2:58:A:LEU:HD12	2:61:A:ASN:HD22	9	0.82
(1,1102)	2:59:B:MET:HE3	2:34:B:LEU:H	3	0.82
(1,1102)	2:59:B:MET:HE3	2:34:B:LEU:H	20	0.82
(1,1071)	2:59:B:MET:HE3	2:29:B:LEU:HD23	11	0.82
(1,621)	2:76:A:CYS:HA	1:1910:C:MET:HG2	16	0.82
(1,577)	2:46:B:LEU:HD23	2:43:B:PRO:HB2	18	0.82
(1,577)	2:46:B:LEU:HD22	2:43:B:PRO:HB2	20	0.82
(1,514)	2:79:B:LEU:HD12	2:15:B:THR:HG23	7	0.82
(1,371)	2:82:B:ILE:HG22	2:12:A:MET:HE2	20	0.82
(1,351)	2:82:B:ILE:HG21	2:81:B:CYS:H	15	0.82
(1,351)	2:82:B:ILE:HG22	2:81:B:CYS:H	20	0.82
(1,6991)	2:27:A:PHE:HD1	2:27:A:PHE:H	19	0.81
(1,6708)	2:23:B:GLU:H	2:33:B:GLU:HA	11	0.81
(1,6706)	2:23:B:GLU:H	2:26:B:LYS:HA	6	0.81
(1,6706)	2:23:A:GLU:H	2:26:A:LYS:HA	20	0.81
(1,6619)	2:2:A:ALA:HB3	2:6:A:GLU:H	8	0.81
(1,6608)	2:3:A:CYS:HA	2:6:A:GLU:HA	19	0.81
(1,6569)	2:22:B:LYS:HD3	2:19:B:TYR:HA	5	0.81
(1,6517)	2:9:A:LEU:HD22	2:12:A:MET:HB2	20	0.81
(1,6509)	2:9:B:LEU:HD13	2:6:B:GLU:HA	7	0.81
(1,6509)	2:9:B:LEU:HD12	2:6:B:GLU:HA	15	0.81
(1,6475)	2:11:A:VAL:HG11	2:8:B:ALA:HB1	16	0.81
(1,6475)	2:11:A:VAL:HG12	2:8:B:ALA:HB1	20	0.81
(1,6462)	2:12:A:MET:HE2	2:84:B:MET:H	17	0.81
(1,6461)	2:12:A:MET:HE3	2:76:A:CYS:H	17	0.81
(1,6453)	2:12:A:MET:HE3	2:76:A:CYS:HB2	1	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6453)	2:12:A:MET:HE3	2:76:A:CYS:HB2	17	0.81
(1,6450)	2:12:A:MET:HE1	2:11:A:VAL:HG21	1	0.81
(1,6450)	2:12:A:MET:HE1	2:11:A:VAL:HG21	11	0.81
(1,6441)	2:12:B:MET:HE3	2:78:B:PHE:HD2	5	0.81
(1,6441)	2:12:B:MET:HE3	2:78:B:PHE:HD1	18	0.81
(1,6427)	2:13:A:VAL:HG22	2:72:A:PHE:HE1	8	0.81
(1,6419)	2:13:A:VAL:HG22	2:91:B:GLU:HB3	18	0.81
(1,6415)	2:13:A:VAL:HG13	2:89:B:PHE:HB2	1	0.81
(1,6415)	2:13:A:VAL:HG13	2:89:B:PHE:HB2	17	0.81
(1,6242)	2:29:B:LEU:HD12	2:37:B:LEU:HD12	14	0.81
(1,6084)	2:38:A:LEU:HD11	2:39:A:THR:HA	3	0.81
(1,6084)	2:38:A:LEU:HD11	2:39:A:THR:HA	14	0.81
(1,5971)	2:58:B:LEU:HD11	1:1921:C:LEU:HB2	11	0.81
(1,5792)	2:82:B:ILE:HD12	1:1921:C:LEU:HD13	18	0.81
(1,5753)	2:84:A:MET:HE3	2:73:B:GLN:H	2	0.81
(1,5753)	2:84:A:MET:HE3	2:73:B:GLN:H	10	0.81
(1,5752)	2:84:A:MET:HE2	2:86:A:CYS:H	9	0.81
(1,5747)	2:85:B:MET:HE3	2:45:B:PHE:HE1	8	0.81
(1,5497)	1:1910:C:MET:HE2	2:81:A:CYS:HB2	5	0.81
(1,5395)	1:1914:C:VAL:HG12	1:1912:C:ARG:HD2	5	0.81
(1,5120)	1:1934:C:MET:HE1	2:9:A:LEU:HD12	14	0.81
(1,5120)	1:1934:C:MET:HE2	2:9:A:LEU:HD12	14	0.81
(1,5120)	1:1934:C:MET:HE3	2:9:A:LEU:HD12	14	0.81
(1,4126)	2:76:A:CYS:HA	1:1910:C:MET:HG2	7	0.81
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG21	1	0.81
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG22	1	0.81
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG23	1	0.81
(1,4018)	2:38:B:LEU:HD23	1:1927:C:PRO:HB2	2	0.81
(1,4013)	2:46:B:LEU:HD21	1:1928:C:PHE:HZ	14	0.81
(1,4013)	2:46:B:LEU:HD21	1:1928:C:PHE:HZ	19	0.81
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG21	11	0.81
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG22	11	0.81
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG23	11	0.81
(1,3990)	2:58:B:LEU:HD12	1:1929:C:VAL:HG21	17	0.81
(1,3990)	2:58:B:LEU:HD12	1:1929:C:VAL:HG22	17	0.81
(1,3990)	2:58:B:LEU:HD12	1:1929:C:VAL:HG23	17	0.81
(1,3963)	2:77:B:VAL:HG23	1:1920:C:LYS:HG3	13	0.81
(1,3963)	2:77:B:VAL:HG23	1:1920:C:LYS:HG3	18	0.81
(1,3909)	2:38:A:LEU:HD13	1:1900:C:LEU:HB2	2	0.81
(1,3750)	2:93:B:PHE:H	2:101:B:LYS:HG2	9	0.81
(1,2454)	2:8:A:ALA:HB1	2:11:A:VAL:H	13	0.81
(1,2454)	2:8:A:ALA:HB2	2:11:A:VAL:H	16	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2388)	2:9:B:LEU:HD12	2:42:A:LEU:HB3	3	0.81
(1,2388)	2:9:B:LEU:HD13	2:42:A:LEU:HB3	4	0.81
(1,2388)	2:9:B:LEU:HD12	2:42:A:LEU:HB3	18	0.81
(1,2386)	2:9:B:LEU:HD11	2:5:B:LEU:HB3	16	0.81
(1,2275)	2:12:B:MET:HE2	2:80:B:SER:HA	1	0.81
(1,2275)	2:12:B:MET:HE2	2:80:B:SER:HA	15	0.81
(1,1708)	2:38:A:LEU:HD21	2:34:A:LEU:HA	12	0.81
(1,1708)	2:38:A:LEU:HD21	2:34:A:LEU:HA	15	0.81
(1,1708)	2:38:A:LEU:HD22	2:34:A:LEU:HA	18	0.81
(1,1708)	2:38:A:LEU:HD22	2:34:A:LEU:HA	19	0.81
(1,1608)	2:42:B:LEU:HD13	2:9:A:LEU:H	18	0.81
(1,1409)	2:49:A:ARG:HD3	2:54:A:ALA:HB1	10	0.81
(1,1362)	2:52:B:GLU:HG3	2:53:B:ALA:HB1	3	0.81
(1,1362)	2:52:B:GLU:HG2	2:53:B:ALA:HB1	12	0.81
(1,1157)	2:58:A:LEU:HD23	2:45:A:PHE:HB3	2	0.81
(1,1156)	2:58:A:LEU:HD23	1:1899:C:GLU:HG3	14	0.81
(1,1103)	2:59:B:MET:HE2	2:67:B:ASP:H	4	0.81
(1,1098)	2:59:B:MET:HE1	2:62:B:LEU:H	4	0.81
(1,1096)	2:59:B:MET:HE3	2:75:B:TYR:HD1	6	0.81
(1,1096)	2:59:B:MET:HE3	2:75:B:TYR:HD2	6	0.81
(1,1072)	2:59:B:MET:HE3	2:29:B:LEU:HD13	17	0.81
(1,944)	2:62:B:LEU:HD21	2:70:B:VAL:HB	4	0.81
(1,621)	2:76:A:CYS:HA	1:1910:C:MET:HG2	7	0.81
(1,577)	2:46:B:LEU:HD22	2:43:B:PRO:HB2	16	0.81
(1,252)	2:84:B:MET:HE1	2:72:A:PHE:HD1	17	0.81
(1,252)	2:84:B:MET:HE1	2:72:A:PHE:HD2	17	0.81
(1,126)	2:85:A:MET:HE2	1:1898:C:ARG:H	14	0.81
(1,6608)	2:3:A:CYS:HA	2:6:A:GLU:HA	5	0.8
(1,6608)	2:3:A:CYS:HA	2:6:A:GLU:HA	7	0.8
(1,6608)	2:3:A:CYS:HA	2:6:A:GLU:HA	12	0.8
(1,6608)	2:3:A:CYS:HA	2:6:A:GLU:HA	20	0.8
(1,6475)	2:11:A:VAL:HG11	2:8:B:ALA:HB2	3	0.8
(1,6458)	2:12:A:MET:HE3	2:75:A:TYR:HD2	4	0.8
(1,6448)	2:12:A:MET:HE2	2:9:A:LEU:HD22	8	0.8
(1,6448)	2:12:A:MET:HE1	2:9:A:LEU:HD23	11	0.8
(1,6448)	2:12:A:MET:HE2	2:9:A:LEU:HD22	18	0.8
(1,6443)	2:12:B:MET:HE2	2:82:A:ILE:H	13	0.8
(1,6419)	2:13:A:VAL:HG23	2:91:B:GLU:HB3	3	0.8
(1,6419)	2:13:A:VAL:HG23	2:91:B:GLU:HB3	12	0.8
(1,6270)	2:27:A:PHE:HA	2:75:A:TYR:HD2	4	0.8
(1,6244)	2:29:B:LEU:HD12	2:34:B:LEU:HB3	9	0.8
(1,6240)	2:29:A:LEU:HD12	2:34:A:LEU:HB3	9	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6240)	2:29:A:LEU:HD11	2:34:A:LEU:HB3	19	0.8
(1,6195)	2:33:B:GLU:HA	2:37:B:LEU:HD13	4	0.8
(1,6105)	2:38:B:LEU:HD23	2:58:B:LEU:HD22	14	0.8
(1,6084)	2:38:A:LEU:HD12	2:39:A:THR:HA	10	0.8
(1,6084)	2:38:A:LEU:HD12	2:39:A:THR:HA	12	0.8
(1,6041)	2:42:A:LEU:HD12	2:39:A:THR:H	17	0.8
(1,6037)	2:42:A:LEU:HD11	2:3:B:CYS:HB3	8	0.8
(1,6019)	2:46:A:LEU:HD22	2:55:A:PHE:HA	14	0.8
(1,6009)	2:49:B:ARG:HG3	2:54:B:ALA:HB3	17	0.8
(1,5980)	2:56:B:GLN:HG2	2:31:B:LYS:HE2	16	0.8
(1,5818)	2:79:B:LEU:HD21	2:80:B:SER:HB3	7	0.8
(1,5787)	2:82:B:ILE:HD13	2:81:B:CYS:H	11	0.8
(1,5768)	2:83:B:ALA:HB1	2:79:B:LEU:HA	17	0.8
(1,5753)	2:84:A:MET:HE3	2:73:B:GLN:H	6	0.8
(1,5752)	2:84:A:MET:HE2	2:86:A:CYS:H	15	0.8
(1,5742)	2:85:B:MET:HE1	1:1921:C:LEU:HD13	12	0.8
(1,5741)	2:85:A:MET:HE2	2:58:A:LEU:HD23	8	0.8
(1,5657)	1:1900:C:LEU:HD12	2:46:A:LEU:HA	6	0.8
(1,5542)	1:1907:C:ALA:HB1	2:62:A:LEU:HD23	6	0.8
(1,5542)	1:1907:C:ALA:HB2	2:62:A:LEU:HD23	6	0.8
(1,5542)	1:1907:C:ALA:HB3	2:62:A:LEU:HD23	6	0.8
(1,5501)	1:1910:C:MET:HE2	2:84:A:MET:HA	3	0.8
(1,5501)	1:1910:C:MET:HE1	2:84:A:MET:HA	6	0.8
(1,5497)	1:1910:C:MET:HE1	2:81:A:CYS:HB2	19	0.8
(1,5342)	1:1917:C:LEU:HD22	1:1920:C:LYS:H	19	0.8
(1,5120)	1:1934:C:MET:HE1	2:9:A:LEU:HD11	15	0.8
(1,5120)	1:1934:C:MET:HE2	2:9:A:LEU:HD11	15	0.8
(1,5120)	1:1934:C:MET:HE3	2:9:A:LEU:HD11	15	0.8
(1,5120)	1:1934:C:MET:HE1	2:9:A:LEU:HD13	18	0.8
(1,5120)	1:1934:C:MET:HE2	2:9:A:LEU:HD13	18	0.8
(1,5120)	1:1934:C:MET:HE3	2:9:A:LEU:HD13	18	0.8
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD21	12	0.8
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD22	12	0.8
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD23	12	0.8
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD21	17	0.8
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD22	17	0.8
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD23	17	0.8
(1,4120)	2:77:B:VAL:HG13	1:1917:C:LEU:H	19	0.8
(1,4088)	2:84:B:MET:HE3	1:1913:C:GLU:HG3	7	0.8
(1,4088)	2:84:B:MET:HE3	1:1913:C:GLU:HG3	17	0.8
(1,4028)	2:82:B:ILE:HG21	1:1926:C:LEU:HD11	8	0.8
(1,4028)	2:82:B:ILE:HG21	1:1926:C:LEU:HD12	8	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4028)	2:82:B:ILE:HG21	1:1926:C:LEU:HD13	8	0.8
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG21	7	0.8
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG22	7	0.8
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG23	7	0.8
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG21	11	0.8
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG22	11	0.8
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG23	11	0.8
(1,4013)	2:46:B:LEU:HD21	1:1928:C:PHE:HZ	11	0.8
(1,4010)	2:58:B:LEU:HD11	1:1917:C:LEU:HD11	15	0.8
(1,4010)	2:58:B:LEU:HD11	1:1917:C:LEU:HD12	15	0.8
(1,4010)	2:58:B:LEU:HD11	1:1917:C:LEU:HD13	15	0.8
(1,3991)	2:58:B:LEU:HD13	1:1917:C:LEU:HD21	20	0.8
(1,3991)	2:58:B:LEU:HD13	1:1917:C:LEU:HD22	20	0.8
(1,3991)	2:58:B:LEU:HD13	1:1917:C:LEU:HD23	20	0.8
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG21	2	0.8
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG22	2	0.8
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG23	2	0.8
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG21	10	0.8
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG22	10	0.8
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG23	10	0.8
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG21	18	0.8
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG22	18	0.8
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG23	18	0.8
(1,3963)	2:77:B:VAL:HG23	1:1920:C:LYS:HG3	17	0.8
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD11	19	0.8
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD12	19	0.8
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD13	19	0.8
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD11	19	0.8
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD12	19	0.8
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD13	19	0.8
(1,2546)	2:5:A:LEU:HD23	2:12:B:MET:HB3	7	0.8
(1,2454)	2:8:A:ALA:HB3	2:11:A:VAL:H	7	0.8
(1,2454)	2:8:A:ALA:HB2	2:11:A:VAL:H	20	0.8
(1,2452)	2:8:B:ALA:HB3	2:12:B:MET:H	20	0.8
(1,2451)	2:8:A:ALA:HB3	2:12:A:MET:H	5	0.8
(1,2451)	2:8:A:ALA:HB3	2:12:A:MET:H	20	0.8
(1,2388)	2:9:B:LEU:HD13	2:42:A:LEU:HB3	11	0.8
(1,2280)	2:12:B:MET:HE2	2:84:A:MET:H	6	0.8
(1,2280)	2:12:B:MET:HE2	2:84:A:MET:H	10	0.8
(1,2065)	2:26:B:LYS:HD2	2:28:B:LYS:H	15	0.8
(1,2031)	2:29:A:LEU:HD11	2:37:A:LEU:HD13	20	0.8
(1,1988)	2:31:A:LYS:HD3	2:55:A:PHE:HD2	5	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1988)	2:31:A:LYS:HD3	2:55:A:PHE:HD2	13	0.8
(1,1903)	2:34:A:LEU:HD12	2:55:A:PHE:HD2	17	0.8
(1,1902)	2:34:A:LEU:HD13	2:60:A:SER:H	15	0.8
(1,1708)	2:38:A:LEU:HD23	2:34:A:LEU:HA	7	0.8
(1,1570)	2:42:A:LEU:HD13	2:19:A:TYR:HD1	11	0.8
(1,1570)	2:42:A:LEU:HD13	2:19:A:TYR:HD2	11	0.8
(1,1563)	2:42:A:LEU:HD12	2:34:A:LEU:HA	4	0.8
(1,1468)	2:46:A:LEU:HD13	1:1897:C:GLN:HE22	6	0.8
(1,1362)	2:52:B:GLU:HG3	2:53:B:ALA:HB1	20	0.8
(1,1347)	2:52:A:GLU:HG3	2:35:A:LYS:HD2	16	0.8
(1,1317)	2:53:A:ALA:HB1	2:52:A:GLU:HG2	6	0.8
(1,1155)	2:58:A:LEU:HD23	2:85:A:MET:HE2	8	0.8
(1,1102)	2:59:B:MET:HE3	2:34:B:LEU:H	11	0.8
(1,1102)	2:59:B:MET:HE1	2:34:B:LEU:H	14	0.8
(1,1102)	2:59:B:MET:HE1	2:34:B:LEU:H	16	0.8
(1,1098)	2:59:B:MET:HE1	2:62:B:LEU:H	15	0.8
(1,1093)	2:59:B:MET:HE2	2:30:B:ASN:HD22	8	0.8
(1,1033)	2:59:A:MET:HE2	2:68:A:ASN:HB2	6	0.8
(1,577)	2:46:B:LEU:HD22	2:43:B:PRO:HB2	5	0.8
(1,577)	2:46:B:LEU:HD22	2:43:B:PRO:HB2	14	0.8
(1,252)	2:84:B:MET:HE1	2:72:A:PHE:HD1	4	0.8
(1,252)	2:84:B:MET:HE1	2:72:A:PHE:HD2	4	0.8
(1,213)	2:84:A:MET:HE1	2:72:B:PHE:HD1	16	0.8
(1,213)	2:84:A:MET:HE1	2:72:B:PHE:HD2	16	0.8
(1,6968)	2:17:A:HIS:H	2:26:A:LYS:HE2	1	0.79
(1,6824)	2:73:A:GLN:H	2:75:A:TYR:HD1	15	0.79
(1,6627)	2:2:A:ALA:HB3	2:4:A:PRO:HG2	9	0.79
(1,6608)	2:3:A:CYS:HA	2:6:A:GLU:HA	8	0.79
(1,6608)	2:3:A:CYS:HA	2:6:A:GLU:HA	17	0.79
(1,6608)	2:3:A:CYS:HA	2:6:A:GLU:HA	18	0.79
(1,6593)	2:5:B:LEU:HD23	2:42:A:LEU:HD13	20	0.79
(1,6537)	2:8:A:ALA:HB1	2:12:B:MET:HG3	4	0.79
(1,6509)	2:9:B:LEU:HD12	2:6:B:GLU:HA	4	0.79
(1,6475)	2:11:A:VAL:HG12	2:8:B:ALA:HB3	13	0.79
(1,6475)	2:11:A:VAL:HG12	2:8:B:ALA:HB1	18	0.79
(1,6461)	2:12:A:MET:HE1	2:13:A:VAL:H	4	0.79
(1,6456)	2:12:A:MET:HE1	2:9:A:LEU:HA	11	0.79
(1,6453)	2:12:A:MET:HE3	2:76:A:CYS:HB2	11	0.79
(1,6449)	2:12:A:MET:HE2	2:9:A:LEU:HD12	9	0.79
(1,6448)	2:12:A:MET:HE2	2:9:A:LEU:HD23	1	0.79
(1,6441)	2:12:B:MET:HE3	2:78:B:PHE:HD1	10	0.79
(1,6419)	2:13:A:VAL:HG22	2:91:B:GLU:HB3	20	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6333)	2:23:B:GLU:HG2	2:22:B:LYS:H	3	0.79
(1,6244)	2:29:B:LEU:HD11	2:34:B:LEU:HB3	7	0.79
(1,6244)	2:29:B:LEU:HD11	2:34:B:LEU:HB3	19	0.79
(1,6242)	2:29:B:LEU:HD12	2:37:B:LEU:HD13	15	0.79
(1,6240)	2:29:A:LEU:HD11	2:34:A:LEU:HB3	7	0.79
(1,6175)	2:34:A:LEU:HD11	2:78:A:PHE:HB3	5	0.79
(1,6084)	2:38:A:LEU:HD11	2:39:A:THR:HA	8	0.79
(1,6033)	2:42:A:LEU:HD12	2:37:A:LEU:HA	4	0.79
(1,6033)	2:42:A:LEU:HD12	2:37:A:LEU:HA	20	0.79
(1,5972)	2:58:B:LEU:HD22	2:62:B:LEU:HD13	12	0.79
(1,5972)	2:58:B:LEU:HD22	2:62:B:LEU:HD13	18	0.79
(1,5822)	2:77:A:VAL:HG11	2:73:A:GLN:HE22	8	0.79
(1,5787)	2:82:B:ILE:HD13	2:81:B:CYS:H	1	0.79
(1,5787)	2:82:B:ILE:HD13	2:81:B:CYS:H	17	0.79
(1,5768)	2:83:B:ALA:HB1	2:79:B:LEU:HA	8	0.79
(1,5768)	2:83:B:ALA:HB1	2:79:B:LEU:HA	12	0.79
(1,5752)	2:84:A:MET:HE2	2:86:A:CYS:H	2	0.79
(1,5752)	2:84:A:MET:HE2	2:86:A:CYS:H	6	0.79
(1,5542)	1:1907:C:ALA:HB1	2:62:A:LEU:HD21	5	0.79
(1,5542)	1:1907:C:ALA:HB2	2:62:A:LEU:HD21	5	0.79
(1,5542)	1:1907:C:ALA:HB3	2:62:A:LEU:HD21	5	0.79
(1,5542)	1:1907:C:ALA:HB1	2:62:A:LEU:HD21	15	0.79
(1,5542)	1:1907:C:ALA:HB2	2:62:A:LEU:HD21	15	0.79
(1,5542)	1:1907:C:ALA:HB3	2:62:A:LEU:HD21	15	0.79
(1,5497)	1:1910:C:MET:HE3	2:81:A:CYS:HB2	6	0.79
(1,5497)	1:1910:C:MET:HE1	2:81:A:CYS:HB2	13	0.79
(1,5120)	1:1934:C:MET:HE1	2:9:A:LEU:HD11	11	0.79
(1,5120)	1:1934:C:MET:HE2	2:9:A:LEU:HD11	11	0.79
(1,5120)	1:1934:C:MET:HE3	2:9:A:LEU:HD11	11	0.79
(1,4180)	2:46:A:LEU:HD23	1:1900:C:LEU:HB3	5	0.79
(1,4126)	2:76:A:CYS:HA	1:1910:C:MET:HG2	4	0.79
(1,4043)	2:85:A:MET:HE2	1:1898:C:ARG:HG3	10	0.79
(1,4028)	2:82:B:ILE:HG21	1:1926:C:LEU:HD11	2	0.79
(1,4028)	2:82:B:ILE:HG21	1:1926:C:LEU:HD12	2	0.79
(1,4028)	2:82:B:ILE:HG21	1:1926:C:LEU:HD13	2	0.79
(1,4028)	2:82:B:ILE:HG21	1:1926:C:LEU:HD11	10	0.79
(1,4028)	2:82:B:ILE:HG21	1:1926:C:LEU:HD12	10	0.79
(1,4028)	2:82:B:ILE:HG21	1:1926:C:LEU:HD13	10	0.79
(1,4018)	2:38:B:LEU:HD23	1:1927:C:PRO:HB2	3	0.79
(1,4013)	2:46:B:LEU:HD21	1:1928:C:PHE:HZ	5	0.79
(1,4013)	2:46:B:LEU:HD21	1:1928:C:PHE:HZ	20	0.79
(1,4002)	2:58:B:LEU:HD13	1:1928:C:PHE:HB2	18	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG21	13	0.79
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG22	13	0.79
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG23	13	0.79
(1,3909)	2:38:A:LEU:HD13	1:1900:C:LEU:HB2	11	0.79
(1,2454)	2:8:A:ALA:HB1	2:11:A:VAL:H	12	0.79
(1,2452)	2:8:B:ALA:HB3	2:12:B:MET:H	5	0.79
(1,2451)	2:8:A:ALA:HB1	2:12:A:MET:H	4	0.79
(1,2388)	2:9:B:LEU:HD13	2:42:A:LEU:HB3	2	0.79
(1,2388)	2:9:B:LEU:HD13	2:42:A:LEU:HB3	10	0.79
(1,2275)	2:12:B:MET:HE3	2:80:B:SER:HA	12	0.79
(1,1902)	2:34:A:LEU:HD13	2:60:A:SER:H	19	0.79
(1,1570)	2:42:A:LEU:HD13	2:19:A:TYR:HD1	19	0.79
(1,1570)	2:42:A:LEU:HD13	2:19:A:TYR:HD2	19	0.79
(1,1407)	2:49:A:ARG:HG2	2:54:A:ALA:HB1	3	0.79
(1,1361)	2:52:B:GLU:HG3	2:51:B:ASP:HB2	11	0.79
(1,1327)	2:53:B:ALA:HB3	2:56:B:GLN:HB3	4	0.79
(1,1103)	2:59:B:MET:HE2	2:67:B:ASP:H	7	0.79
(1,1097)	2:59:B:MET:HE2	2:68:B:ASN:HD21	3	0.79
(1,1097)	2:59:B:MET:HE2	2:68:B:ASN:HD21	18	0.79
(1,1096)	2:59:B:MET:HE3	2:75:B:TYR:HD1	3	0.79
(1,1096)	2:59:B:MET:HE3	2:75:B:TYR:HD2	3	0.79
(1,621)	2:76:A:CYS:HA	1:1910:C:MET:HG2	4	0.79
(1,499)	2:79:B:LEU:HD23	2:83:A:ALA:H	5	0.79
(1,499)	2:79:B:LEU:HD23	2:83:A:ALA:H	7	0.79
(1,499)	2:79:B:LEU:HD23	2:83:A:ALA:H	17	0.79
(1,499)	2:79:B:LEU:HD23	2:83:A:ALA:H	20	0.79
(1,252)	2:84:B:MET:HE1	2:72:A:PHE:HD1	6	0.79
(1,252)	2:84:B:MET:HE1	2:72:A:PHE:HD2	6	0.79
(1,137)	2:85:A:MET:HE1	2:9:B:LEU:HD21	3	0.79
(1,6991)	2:27:A:PHE:HD1	2:27:A:PHE:H	14	0.78
(1,6847)	2:83:A:ALA:H	2:72:B:PHE:HE1	8	0.78
(1,6631)	2:4:A:PRO:HA	2:8:B:ALA:H	4	0.78
(1,6619)	2:2:A:ALA:HB1	2:6:A:GLU:H	16	0.78
(1,6608)	2:3:A:CYS:HA	2:6:A:GLU:HA	14	0.78
(1,6453)	2:12:A:MET:HE3	2:76:A:CYS:HB2	14	0.78
(1,6443)	2:12:B:MET:HE2	2:82:A:ILE:H	16	0.78
(1,6331)	2:23:B:GLU:HG2	2:30:B:ASN:HD21	20	0.78
(1,6302)	2:26:A:LYS:HD3	2:25:A:ASP:HA	3	0.78
(1,6105)	2:38:B:LEU:HD23	2:58:B:LEU:HD22	19	0.78
(1,5948)	2:59:A:MET:HE3	2:69:A:GLU:H	7	0.78
(1,5948)	2:59:A:MET:HE3	2:69:A:GLU:H	20	0.78
(1,5822)	2:77:A:VAL:HG11	2:73:A:GLN:HE22	2	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5747)	2:85:B:MET:HE3	2:45:B:PHE:HE1	9	0.78
(1,5743)	2:85:B:MET:HE2	1:1918:C:LYS:HE3	4	0.78
(1,5542)	1:1907:C:ALA:HB1	2:62:A:LEU:HD22	19	0.78
(1,5542)	1:1907:C:ALA:HB2	2:62:A:LEU:HD22	19	0.78
(1,5542)	1:1907:C:ALA:HB3	2:62:A:LEU:HD22	19	0.78
(1,5497)	1:1910:C:MET:HE3	2:81:A:CYS:HB2	14	0.78
(1,5180)	1:1929:C:VAL:HG21	2:45:B:PHE:HA	5	0.78
(1,5180)	1:1929:C:VAL:HG22	2:45:B:PHE:HA	5	0.78
(1,5180)	1:1929:C:VAL:HG23	2:45:B:PHE:HA	5	0.78
(1,5120)	1:1934:C:MET:HE1	2:9:A:LEU:HD11	2	0.78
(1,5120)	1:1934:C:MET:HE2	2:9:A:LEU:HD11	2	0.78
(1,5120)	1:1934:C:MET:HE3	2:9:A:LEU:HD11	2	0.78
(1,5120)	1:1934:C:MET:HE1	2:9:A:LEU:HD13	12	0.78
(1,5120)	1:1934:C:MET:HE2	2:9:A:LEU:HD13	12	0.78
(1,5120)	1:1934:C:MET:HE3	2:9:A:LEU:HD13	12	0.78
(1,4723)	2:82:A:ILE:HD13	1:1900:C:LEU:HB2	2	0.78
(1,4691)	2:74:B:GLU:HG3	1:1921:C:LEU:HD11	18	0.78
(1,4563)	1:1917:C:LEU:HD21	1:1917:C:LEU:HA	9	0.78
(1,4563)	1:1917:C:LEU:HD22	1:1917:C:LEU:HA	9	0.78
(1,4563)	1:1917:C:LEU:HD23	1:1917:C:LEU:HA	9	0.78
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD21	1	0.78
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD22	1	0.78
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD23	1	0.78
(1,4162)	2:54:A:ALA:HB3	1:1900:C:LEU:HB3	3	0.78
(1,4126)	2:76:A:CYS:HA	1:1910:C:MET:HG2	3	0.78
(1,4126)	2:76:A:CYS:HA	1:1910:C:MET:HG2	6	0.78
(1,4054)	2:85:B:MET:HE2	1:1921:C:LEU:HD11	10	0.78
(1,4054)	2:85:B:MET:HE2	1:1921:C:LEU:HD12	10	0.78
(1,4054)	2:85:B:MET:HE2	1:1921:C:LEU:HD13	10	0.78
(1,4043)	2:85:A:MET:HE2	1:1898:C:ARG:HG2	12	0.78
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG21	12	0.78
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG22	12	0.78
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG23	12	0.78
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG21	17	0.78
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG22	17	0.78
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG23	17	0.78
(1,3923)	2:58:A:LEU:HD22	1:1903:C:ALA:HB1	17	0.78
(1,3923)	2:58:A:LEU:HD22	1:1903:C:ALA:HB2	17	0.78
(1,3923)	2:58:A:LEU:HD22	1:1903:C:ALA:HB3	17	0.78
(1,3908)	2:38:A:LEU:HD13	1:1900:C:LEU:HB3	20	0.78
(1,2454)	2:8:A:ALA:HB2	2:11:A:VAL:H	6	0.78
(1,2452)	2:8:B:ALA:HB1	2:12:B:MET:H	4	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2451)	2:8:A:ALA:HB1	2:12:A:MET:H	7	0.78
(1,2388)	2:9:B:LEU:HD12	2:42:A:LEU:HB3	12	0.78
(1,2349)	2:11:A:VAL:HG22	2:15:A:THR:HA	7	0.78
(1,2281)	2:12:B:MET:HE3	2:76:B:CYS:H	6	0.78
(1,2281)	2:12:B:MET:HE3	2:76:B:CYS:H	16	0.78
(1,2237)	2:13:B:VAL:HG22	2:90:A:PHE:H	1	0.78
(1,2233)	2:13:A:VAL:HG23	2:87:B:ASN:H	11	0.78
(1,2031)	2:29:A:LEU:HD11	2:37:A:LEU:HD13	17	0.78
(1,1956)	2:34:B:LEU:HD22	2:38:B:LEU:HB2	3	0.78
(1,1956)	2:34:B:LEU:HD22	2:38:B:LEU:HB2	7	0.78
(1,1544)	2:42:A:LEU:HD13	2:82:A:ILE:HG22	6	0.78
(1,1543)	2:42:A:LEU:HD13	2:82:A:ILE:HD12	15	0.78
(1,1485)	2:46:A:LEU:HD21	2:39:A:THR:HG23	1	0.78
(1,1485)	2:46:A:LEU:HD22	2:39:A:THR:HG23	19	0.78
(1,1327)	2:53:B:ALA:HB3	2:56:B:GLN:HB3	18	0.78
(1,1157)	2:58:A:LEU:HD22	2:45:A:PHE:HB3	5	0.78
(1,1156)	2:58:A:LEU:HD22	1:1899:C:GLU:HG3	17	0.78
(1,1125)	2:58:A:LEU:HD11	2:61:A:ASN:HD22	3	0.78
(1,1096)	2:59:B:MET:HE1	2:75:B:TYR:HD1	16	0.78
(1,1096)	2:59:B:MET:HE1	2:75:B:TYR:HD2	16	0.78
(1,1093)	2:59:B:MET:HE2	2:30:B:ASN:HD22	6	0.78
(1,1074)	2:59:B:MET:HE3	2:70:B:VAL:HG12	17	0.78
(1,621)	2:76:A:CYS:HA	1:1910:C:MET:HG2	3	0.78
(1,621)	2:76:A:CYS:HA	1:1910:C:MET:HG2	6	0.78
(1,245)	2:84:B:MET:HE2	2:85:B:MET:HG2	3	0.78
(1,126)	2:85:A:MET:HE2	1:1898:C:ARG:H	3	0.78
(1,6706)	2:23:A:GLU:H	2:26:A:LYS:HA	9	0.77
(1,6631)	2:4:A:PRO:HA	2:8:B:ALA:H	16	0.77
(1,6608)	2:3:A:CYS:HA	2:6:A:GLU:HA	16	0.77
(1,6475)	2:11:A:VAL:HG13	2:8:B:ALA:HB2	7	0.77
(1,6462)	2:12:A:MET:HE2	2:84:B:MET:H	1	0.77
(1,6457)	2:12:A:MET:HE1	2:8:A:ALA:HA	12	0.77
(1,6456)	2:12:A:MET:HE1	2:9:A:LEU:HA	9	0.77
(1,6450)	2:12:A:MET:HE1	2:11:A:VAL:HG21	18	0.77
(1,6449)	2:12:A:MET:HE2	2:9:A:LEU:HD13	8	0.77
(1,6441)	2:12:B:MET:HE3	2:78:B:PHE:HD1	8	0.77
(1,6441)	2:12:B:MET:HE3	2:78:B:PHE:HD2	11	0.77
(1,6419)	2:13:A:VAL:HG23	2:91:B:GLU:HB3	10	0.77
(1,6240)	2:29:A:LEU:HD13	2:34:A:LEU:HB3	17	0.77
(1,6239)	2:29:A:LEU:HD11	2:59:A:MET:HE1	20	0.77
(1,6104)	2:38:B:LEU:HD23	2:82:B:ILE:HB	7	0.77
(1,6084)	2:38:A:LEU:HD11	2:39:A:THR:HA	5	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6041)	2:42:A:LEU:HD11	2:39:A:THR:H	14	0.77
(1,6037)	2:42:A:LEU:HD11	2:3:B:CYS:HB3	1	0.77
(1,6037)	2:42:A:LEU:HD11	2:3:B:CYS:HB3	17	0.77
(1,6020)	2:46:A:LEU:HD22	1:1900:C:LEU:HG	2	0.77
(1,6020)	2:46:A:LEU:HD22	1:1900:C:LEU:HG	13	0.77
(1,6019)	2:46:A:LEU:HD22	2:55:A:PHE:HA	18	0.77
(1,5972)	2:58:B:LEU:HD22	2:62:B:LEU:HD13	11	0.77
(1,5959)	2:59:B:MET:HE1	2:58:B:LEU:HA	9	0.77
(1,5812)	2:79:B:LEU:HD13	2:75:B:TYR:HA	16	0.77
(1,5787)	2:82:B:ILE:HD13	2:81:B:CYS:H	10	0.77
(1,5752)	2:84:A:MET:HE2	2:86:A:CYS:H	10	0.77
(1,5747)	2:85:B:MET:HE1	2:61:B:ASN:HD21	11	0.77
(1,5744)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	17	0.77
(1,5744)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	18	0.77
(1,5542)	1:1907:C:ALA:HB1	2:62:A:LEU:HD23	13	0.77
(1,5542)	1:1907:C:ALA:HB2	2:62:A:LEU:HD23	13	0.77
(1,5542)	1:1907:C:ALA:HB3	2:62:A:LEU:HD23	13	0.77
(1,5501)	1:1910:C:MET:HE3	2:84:A:MET:HA	14	0.77
(1,5497)	1:1910:C:MET:HE3	2:81:A:CYS:HB2	20	0.77
(1,5342)	1:1917:C:LEU:HD23	1:1920:C:LYS:H	10	0.77
(1,4723)	2:82:A:ILE:HD13	1:1900:C:LEU:HB2	6	0.77
(1,4691)	2:74:B:GLU:HG3	1:1921:C:LEU:HD11	6	0.77
(1,4691)	2:74:B:GLU:HG3	1:1921:C:LEU:HD13	13	0.77
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD11	14	0.77
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD12	14	0.77
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD13	14	0.77
(1,4180)	2:46:A:LEU:HD23	1:1900:C:LEU:HB3	4	0.77
(1,4180)	2:46:A:LEU:HD23	1:1900:C:LEU:HB3	14	0.77
(1,4155)	2:58:A:LEU:HD12	1:1903:C:ALA:H	14	0.77
(1,4088)	2:84:B:MET:HE3	1:1913:C:GLU:HG3	6	0.77
(1,4088)	2:84:B:MET:HE3	1:1913:C:GLU:HG3	9	0.77
(1,4088)	2:84:B:MET:HE3	1:1913:C:GLU:HG3	15	0.77
(1,4088)	2:84:B:MET:HE3	1:1913:C:GLU:HG3	16	0.77
(1,4061)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	17	0.77
(1,4061)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	18	0.77
(1,4054)	2:85:B:MET:HE2	1:1921:C:LEU:HD11	6	0.77
(1,4054)	2:85:B:MET:HE2	1:1921:C:LEU:HD12	6	0.77
(1,4054)	2:85:B:MET:HE2	1:1921:C:LEU:HD13	6	0.77
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG21	3	0.77
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG22	3	0.77
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG23	3	0.77
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG21	13	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG22	13	0.77
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG23	13	0.77
(1,4018)	2:38:B:LEU:HD23	1:1927:C:PRO:HB2	6	0.77
(1,4018)	2:38:B:LEU:HD22	1:1927:C:PRO:HB2	10	0.77
(1,4018)	2:38:B:LEU:HD22	1:1927:C:PRO:HB2	13	0.77
(1,4018)	2:38:B:LEU:HD22	1:1927:C:PRO:HB2	15	0.77
(1,4013)	2:46:B:LEU:HD21	1:1928:C:PHE:HZ	17	0.77
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG21	8	0.77
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG22	8	0.77
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG23	8	0.77
(1,3990)	2:58:B:LEU:HD11	1:1929:C:VAL:HG21	9	0.77
(1,3990)	2:58:B:LEU:HD11	1:1929:C:VAL:HG22	9	0.77
(1,3990)	2:58:B:LEU:HD11	1:1929:C:VAL:HG23	9	0.77
(1,3963)	2:77:B:VAL:HG23	1:1920:C:LYS:HG3	7	0.77
(1,3963)	2:77:B:VAL:HG23	1:1920:C:LYS:HG3	8	0.77
(1,3963)	2:77:B:VAL:HG23	1:1920:C:LYS:HG3	12	0.77
(1,2454)	2:8:A:ALA:HB1	2:11:A:VAL:H	1	0.77
(1,2454)	2:8:A:ALA:HB3	2:11:A:VAL:H	9	0.77
(1,2452)	2:8:B:ALA:HB1	2:12:B:MET:H	7	0.77
(1,2388)	2:9:B:LEU:HD11	2:42:A:LEU:HB3	7	0.77
(1,2349)	2:11:A:VAL:HG21	2:15:A:THR:HA	4	0.77
(1,2281)	2:12:B:MET:HE3	2:76:B:CYS:H	7	0.77
(1,2281)	2:12:B:MET:HE3	2:76:B:CYS:H	20	0.77
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD1	9	0.77
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD2	9	0.77
(1,1956)	2:34:B:LEU:HD22	2:38:B:LEU:HB2	8	0.77
(1,1902)	2:34:A:LEU:HD13	2:60:A:SER:H	18	0.77
(1,1712)	2:38:A:LEU:HD11	2:46:A:LEU:HB3	18	0.77
(1,1708)	2:38:A:LEU:HD22	2:34:A:LEU:HA	2	0.77
(1,1657)	2:39:B:THR:HG21	2:40:B:ARG:HD2	19	0.77
(1,1608)	2:42:B:LEU:HD13	2:9:A:LEU:H	5	0.77
(1,1407)	2:49:A:ARG:HG2	2:54:A:ALA:HB2	5	0.77
(1,1362)	2:52:B:GLU:HG2	2:53:B:ALA:HB3	7	0.77
(1,1156)	2:58:A:LEU:HD23	1:1899:C:GLU:HG3	2	0.77
(1,1102)	2:59:B:MET:HE1	2:34:B:LEU:H	1	0.77
(1,1102)	2:59:B:MET:HE1	2:34:B:LEU:H	2	0.77
(1,1102)	2:59:B:MET:HE2	2:34:B:LEU:H	8	0.77
(1,1053)	2:59:A:MET:HE1	2:75:A:TYR:HD1	4	0.77
(1,1053)	2:59:A:MET:HE1	2:75:A:TYR:HD2	4	0.77
(1,961)	2:62:B:LEU:HD22	2:78:B:PHE:H	4	0.77
(1,577)	2:46:B:LEU:HD23	2:43:B:PRO:HB2	3	0.77
(1,577)	2:46:B:LEU:HD22	2:43:B:PRO:HB2	12	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,376)	2:82:B:ILE:HG23	1:1929:C:VAL:HG11	9	0.77
(1,376)	2:82:B:ILE:HG23	1:1929:C:VAL:HG12	9	0.77
(1,376)	2:82:B:ILE:HG23	1:1929:C:VAL:HG13	9	0.77
(1,245)	2:84:B:MET:HE2	2:85:B:MET:HG2	18	0.77
(1,213)	2:84:A:MET:HE1	2:72:B:PHE:HD1	6	0.77
(1,213)	2:84:A:MET:HE1	2:72:B:PHE:HD2	6	0.77
(1,6991)	2:27:A:PHE:HD2	2:27:A:PHE:H	8	0.76
(1,6858)	2:2:B:ALA:H	2:7:B:LYS:HB2	4	0.76
(1,6619)	2:2:A:ALA:HB3	2:6:A:GLU:H	19	0.76
(1,6537)	2:8:A:ALA:HB1	2:12:B:MET:HG3	10	0.76
(1,6475)	2:11:A:VAL:HG11	2:8:B:ALA:HB2	10	0.76
(1,6462)	2:12:A:MET:HE2	2:84:B:MET:H	13	0.76
(1,6462)	2:12:A:MET:HE2	2:84:B:MET:H	19	0.76
(1,6460)	2:12:A:MET:HE1	2:9:A:LEU:H	15	0.76
(1,6457)	2:12:A:MET:HE1	2:8:A:ALA:HA	4	0.76
(1,6457)	2:12:A:MET:HE1	2:8:A:ALA:HA	8	0.76
(1,6441)	2:12:B:MET:HE3	2:78:B:PHE:HD2	14	0.76
(1,6322)	2:23:A:GLU:HB2	2:30:A:ASN:HD21	13	0.76
(1,6244)	2:29:B:LEU:HD13	2:34:B:LEU:HB3	13	0.76
(1,6244)	2:29:B:LEU:HD11	2:34:B:LEU:HB3	18	0.76
(1,6240)	2:29:A:LEU:HD11	2:34:A:LEU:HB3	18	0.76
(1,6187)	2:34:A:LEU:HD23	2:36:A:GLU:H	8	0.76
(1,6105)	2:38:B:LEU:HD23	2:58:B:LEU:HD22	18	0.76
(1,6084)	2:38:A:LEU:HD12	2:39:A:THR:HA	6	0.76
(1,6066)	2:40:A:ARG:HD3	2:19:A:TYR:HD1	20	0.76
(1,6063)	2:40:B:ARG:HD2	2:39:B:THR:HG23	20	0.76
(1,6020)	2:46:A:LEU:HD22	1:1900:C:LEU:HG	1	0.76
(1,6020)	2:46:A:LEU:HD23	1:1900:C:LEU:HG	16	0.76
(1,5971)	2:58:B:LEU:HD11	1:1921:C:LEU:HB2	17	0.76
(1,5899)	2:29:B:LEU:HD21	2:19:B:TYR:HB3	1	0.76
(1,5768)	2:83:B:ALA:HB1	2:79:B:LEU:HA	9	0.76
(1,5752)	2:84:A:MET:HE2	2:86:A:CYS:H	4	0.76
(1,5744)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	13	0.76
(1,5742)	2:85:B:MET:HE1	1:1926:C:LEU:HD13	6	0.76
(1,5542)	1:1907:C:ALA:HB1	2:62:A:LEU:HD23	8	0.76
(1,5542)	1:1907:C:ALA:HB2	2:62:A:LEU:HD23	8	0.76
(1,5542)	1:1907:C:ALA:HB3	2:62:A:LEU:HD23	8	0.76
(1,5120)	1:1934:C:MET:HE1	2:9:A:LEU:HD11	19	0.76
(1,5120)	1:1934:C:MET:HE2	2:9:A:LEU:HD11	19	0.76
(1,5120)	1:1934:C:MET:HE3	2:9:A:LEU:HD11	19	0.76
(1,4691)	2:74:B:GLU:HG3	1:1921:C:LEU:HD12	5	0.76
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD21	2	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD22	2	0.76
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD23	2	0.76
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD21	16	0.76
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD22	16	0.76
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD23	16	0.76
(1,4180)	2:46:A:LEU:HD23	1:1900:C:LEU:HB3	7	0.76
(1,4155)	2:58:A:LEU:HD11	1:1903:C:ALA:H	13	0.76
(1,4088)	2:84:B:MET:HE3	1:1913:C:GLU:HG3	18	0.76
(1,4088)	2:84:B:MET:HE3	1:1913:C:GLU:HG3	19	0.76
(1,4061)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	13	0.76
(1,4056)	2:85:B:MET:HE2	1:1922:C:ARG:HG2	6	0.76
(1,4019)	2:38:B:LEU:HD13	1:1928:C:PHE:HD2	13	0.76
(1,4018)	2:38:B:LEU:HD22	1:1927:C:PRO:HB2	11	0.76
(1,4013)	2:46:B:LEU:HD21	1:1928:C:PHE:HZ	4	0.76
(1,4010)	2:58:B:LEU:HD11	1:1917:C:LEU:HD11	17	0.76
(1,4010)	2:58:B:LEU:HD11	1:1917:C:LEU:HD12	17	0.76
(1,4010)	2:58:B:LEU:HD11	1:1917:C:LEU:HD13	17	0.76
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG21	3	0.76
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG22	3	0.76
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG23	3	0.76
(1,3963)	2:77:B:VAL:HG23	1:1920:C:LYS:HG3	6	0.76
(1,3963)	2:77:B:VAL:HG23	1:1920:C:LYS:HG3	11	0.76
(1,3963)	2:77:B:VAL:HG23	1:1920:C:LYS:HG3	16	0.76
(1,3955)	2:77:B:VAL:HG21	1:1914:C:VAL:HG12	13	0.76
(1,3955)	2:77:B:VAL:HG23	1:1917:C:LEU:HD11	20	0.76
(1,3909)	2:38:A:LEU:HD12	1:1900:C:LEU:HB2	6	0.76
(1,3909)	2:38:A:LEU:HD11	1:1900:C:LEU:HB2	18	0.76
(1,3787)	2:28:A:LYS:H	2:28:A:LYS:HE2	7	0.76
(1,2570)	2:84:B:MET:HE1	2:72:A:PHE:HZ	11	0.76
(1,2451)	2:8:A:ALA:HB1	2:12:A:MET:H	10	0.76
(1,2349)	2:11:A:VAL:HG21	2:15:A:THR:HA	6	0.76
(1,2349)	2:11:A:VAL:HG23	2:15:A:THR:HA	16	0.76
(1,1962)	2:34:B:LEU:HD22	2:62:B:LEU:HD22	17	0.76
(1,1956)	2:34:B:LEU:HD22	2:38:B:LEU:HB2	11	0.76
(1,1775)	2:37:B:LEU:HD13	2:29:B:LEU:HD11	17	0.76
(1,1695)	2:38:A:LEU:HD11	2:42:A:LEU:H	20	0.76
(1,1671)	2:39:B:THR:HG23	2:40:B:ARG:HD2	20	0.76
(1,1609)	2:42:B:LEU:HD11	2:45:B:PHE:H	13	0.76
(1,1608)	2:42:B:LEU:HD13	2:9:A:LEU:H	10	0.76
(1,1608)	2:42:B:LEU:HD13	2:9:A:LEU:H	11	0.76
(1,1544)	2:42:A:LEU:HD13	2:82:A:ILE:HG22	11	0.76
(1,1485)	2:46:A:LEU:HD22	2:39:A:THR:HG23	3	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1322)	2:53:A:ALA:HB1	2:56:A:GLN:HE22	20	0.76
(1,1157)	2:58:A:LEU:HD23	2:45:A:PHE:HB3	14	0.76
(1,1156)	2:58:A:LEU:HD22	1:1899:C:GLU:HG3	3	0.76
(1,1156)	2:58:A:LEU:HD23	1:1899:C:GLU:HG3	20	0.76
(1,1049)	2:59:A:MET:HE3	2:71:A:ASP:H	13	0.76
(1,583)	2:77:A:VAL:HG22	1:1910:C:MET:HG2	5	0.76
(1,577)	2:46:B:LEU:HD23	2:43:B:PRO:HB2	6	0.76
(1,499)	2:79:B:LEU:HD23	2:83:A:ALA:H	15	0.76
(1,355)	2:82:B:ILE:HG22	2:78:B:PHE:HD1	11	0.76
(1,355)	2:82:B:ILE:HG22	2:78:B:PHE:HD2	11	0.76
(1,252)	2:84:B:MET:HE1	2:72:A:PHE:HD1	10	0.76
(1,252)	2:84:B:MET:HE1	2:72:A:PHE:HD2	10	0.76
(1,175)	2:85:B:MET:HE1	1:1928:C:PHE:HA	16	0.76
(1,126)	2:85:A:MET:HE2	1:1898:C:ARG:H	7	0.76
(1,6992)	2:27:B:PHE:HE2	2:26:B:LYS:HE2	1	0.75
(1,6706)	2:23:B:GLU:H	2:26:B:LYS:HA	14	0.75
(1,6631)	2:4:A:PRO:HA	2:8:B:ALA:H	7	0.75
(1,6627)	2:2:A:ALA:HB1	2:4:A:PRO:HG2	15	0.75
(1,6619)	2:2:A:ALA:HB3	2:6:A:GLU:H	11	0.75
(1,6619)	2:2:A:ALA:HB3	2:6:A:GLU:H	13	0.75
(1,6608)	2:3:A:CYS:HA	2:6:A:GLU:HA	4	0.75
(1,6517)	2:9:A:LEU:HD23	2:12:A:MET:HB2	10	0.75
(1,6477)	2:11:A:VAL:HG11	2:7:A:LYS:HD2	6	0.75
(1,6461)	2:12:A:MET:HE1	2:13:A:VAL:H	2	0.75
(1,6449)	2:12:A:MET:HE2	2:9:A:LEU:HD11	18	0.75
(1,6441)	2:12:B:MET:HE3	2:78:B:PHE:HD2	3	0.75
(1,6441)	2:12:B:MET:HE3	2:78:B:PHE:HD2	15	0.75
(1,6419)	2:13:A:VAL:HG23	2:91:B:GLU:HB3	11	0.75
(1,6374)	2:19:B:TYR:HA	2:22:B:LYS:HE3	16	0.75
(1,6351)	2:22:B:LYS:HD2	2:22:B:LYS:H	13	0.75
(1,6331)	2:23:A:GLU:HG2	2:30:A:ASN:HD21	14	0.75
(1,6301)	2:26:A:LYS:HD3	2:27:A:PHE:HE2	9	0.75
(1,6244)	2:29:B:LEU:HD11	2:34:B:LEU:HB3	11	0.75
(1,6244)	2:29:B:LEU:HD13	2:34:B:LEU:HB3	17	0.75
(1,6242)	2:29:B:LEU:HD12	2:37:B:LEU:HD12	16	0.75
(1,6240)	2:29:A:LEU:HD11	2:34:A:LEU:HB3	11	0.75
(1,6240)	2:29:A:LEU:HD13	2:34:A:LEU:HB3	13	0.75
(1,6105)	2:38:B:LEU:HD22	2:58:B:LEU:HD22	12	0.75
(1,6033)	2:42:A:LEU:HD13	2:41:A:GLU:HG2	14	0.75
(1,6020)	2:46:A:LEU:HD21	1:1900:C:LEU:HG	9	0.75
(1,5984)	2:54:A:ALA:HB1	1:1898:C:ARG:HB2	18	0.75
(1,5972)	2:58:B:LEU:HD22	2:62:B:LEU:HD13	1	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5927)	2:62:B:LEU:HD22	2:85:B:MET:HE1	20	0.75
(1,5822)	2:77:A:VAL:HG13	2:73:B:GLN:HE22	16	0.75
(1,5768)	2:83:B:ALA:HB1	2:79:B:LEU:HA	1	0.75
(1,5743)	2:85:B:MET:HE2	1:1918:C:LYS:HE2	17	0.75
(1,5742)	2:85:B:MET:HE2	1:1921:C:LEU:HD12	1	0.75
(1,5630)	1:1903:C:ALA:HB1	2:9:B:LEU:HD11	9	0.75
(1,5630)	1:1903:C:ALA:HB2	2:9:B:LEU:HD11	9	0.75
(1,5630)	1:1903:C:ALA:HB3	2:9:B:LEU:HD11	9	0.75
(1,5630)	1:1903:C:ALA:HB1	2:9:B:LEU:HD12	14	0.75
(1,5630)	1:1903:C:ALA:HB2	2:9:B:LEU:HD12	14	0.75
(1,5630)	1:1903:C:ALA:HB3	2:9:B:LEU:HD12	14	0.75
(1,5128)	1:1934:C:MET:HE2	2:13:A:VAL:HA	7	0.75
(1,5120)	1:1934:C:MET:HE1	2:9:A:LEU:HD11	6	0.75
(1,5120)	1:1934:C:MET:HE2	2:9:A:LEU:HD11	6	0.75
(1,5120)	1:1934:C:MET:HE3	2:9:A:LEU:HD11	6	0.75
(1,5099)	1:1935:C:ALA:HB1	1:1933:C:ARG:HB3	17	0.75
(1,5099)	1:1935:C:ALA:HB2	1:1933:C:ARG:HB3	17	0.75
(1,5099)	1:1935:C:ALA:HB3	1:1933:C:ARG:HB3	17	0.75
(1,4720)	2:82:A:ILE:HG21	1:1900:C:LEU:HB2	6	0.75
(1,4533)	1:1923:C:ARG:HB3	1:1920:C:LYS:HA	17	0.75
(1,4411)	2:46:B:LEU:HD11	1:1928:C:PHE:HD1	2	0.75
(1,4180)	2:46:A:LEU:HD21	1:1900:C:LEU:HB3	9	0.75
(1,4088)	2:84:B:MET:HE3	1:1913:C:GLU:HG3	20	0.75
(1,4028)	2:82:B:ILE:HG21	1:1926:C:LEU:HD11	13	0.75
(1,4028)	2:82:B:ILE:HG21	1:1926:C:LEU:HD12	13	0.75
(1,4028)	2:82:B:ILE:HG21	1:1926:C:LEU:HD13	13	0.75
(1,4028)	2:82:B:ILE:HG23	1:1926:C:LEU:HD11	18	0.75
(1,4028)	2:82:B:ILE:HG23	1:1926:C:LEU:HD12	18	0.75
(1,4028)	2:82:B:ILE:HG23	1:1926:C:LEU:HD13	18	0.75
(1,4018)	2:38:B:LEU:HD23	1:1927:C:PRO:HB2	14	0.75
(1,4002)	2:58:B:LEU:HD13	1:1928:C:PHE:HB2	14	0.75
(1,3909)	2:38:A:LEU:HD11	1:1900:C:LEU:HB2	3	0.75
(1,2454)	2:8:A:ALA:HB2	2:11:A:VAL:H	2	0.75
(1,2454)	2:8:A:ALA:HB3	2:11:A:VAL:H	3	0.75
(1,2454)	2:8:A:ALA:HB3	2:11:A:VAL:H	4	0.75
(1,2454)	2:8:A:ALA:HB2	2:11:A:VAL:H	8	0.75
(1,2454)	2:8:A:ALA:HB3	2:11:A:VAL:H	10	0.75
(1,2388)	2:9:B:LEU:HD13	2:42:A:LEU:HB3	6	0.75
(1,2388)	2:9:B:LEU:HD11	2:42:A:LEU:HB3	8	0.75
(1,2349)	2:11:A:VAL:HG21	2:15:A:THR:HA	5	0.75
(1,2349)	2:11:A:VAL:HG21	2:15:A:THR:HA	10	0.75
(1,2182)	2:15:B:THR:HG23	2:41:B:GLU:HG2	2	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1903)	2:34:A:LEU:HD13	2:55:A:PHE:HE1	1	0.75
(1,1902)	2:34:A:LEU:HD13	2:60:A:SER:H	10	0.75
(1,1775)	2:37:B:LEU:HD12	2:29:B:LEU:HD11	10	0.75
(1,1709)	2:38:A:LEU:HD13	2:42:A:LEU:HD22	3	0.75
(1,1708)	2:38:A:LEU:HD21	2:34:A:LEU:HA	8	0.75
(1,1609)	2:42:B:LEU:HD11	2:45:B:PHE:H	8	0.75
(1,1485)	2:46:A:LEU:HD23	2:39:A:THR:HG21	6	0.75
(1,1327)	2:53:B:ALA:HB3	2:56:B:GLN:HB3	11	0.75
(1,1317)	2:53:A:ALA:HB1	2:52:A:GLU:HG2	4	0.75
(1,1125)	2:58:A:LEU:HD11	2:61:A:ASN:HD22	20	0.75
(1,1053)	2:59:A:MET:HE3	2:75:A:TYR:HD1	12	0.75
(1,1053)	2:59:A:MET:HE3	2:75:A:TYR:HD2	12	0.75
(1,961)	2:62:B:LEU:HD23	2:78:B:PHE:H	15	0.75
(1,583)	2:77:A:VAL:HG22	1:1910:C:MET:HG2	20	0.75
(1,577)	2:46:B:LEU:HD23	2:43:B:PRO:HB2	2	0.75
(1,499)	2:79:B:LEU:HD23	2:83:A:ALA:H	18	0.75
(1,245)	2:84:B:MET:HE2	2:85:B:MET:HG2	19	0.75
(2,46)	1:1916:C:SER:H	1:1912:C:ARG:HB2	7	0.74
(2,46)	1:1916:C:SER:H	1:1912:C:ARG:HB2	12	0.74
(1,6771)	2:28:A:LYS:H	2:17:A:HIS:HA	20	0.74
(1,6717)	2:23:B:GLU:H	2:23:B:GLU:HG2	1	0.74
(1,6706)	2:23:A:GLU:H	2:26:A:LYS:HA	8	0.74
(1,6631)	2:4:A:PRO:HA	2:8:B:ALA:H	10	0.74
(1,6460)	2:12:A:MET:HE1	2:9:A:LEU:H	11	0.74
(1,6457)	2:12:A:MET:HE1	2:8:A:ALA:HA	2	0.74
(1,6457)	2:12:A:MET:HE1	2:8:A:ALA:HA	3	0.74
(1,6453)	2:12:A:MET:HE3	2:76:A:CYS:HB2	12	0.74
(1,6443)	2:12:B:MET:HE2	2:82:A:ILE:H	7	0.74
(1,6441)	2:12:B:MET:HE3	2:78:B:PHE:HD1	17	0.74
(1,6436)	2:12:B:MET:HE2	2:9:B:LEU:HD12	15	0.74
(1,6360)	2:21:B:GLY:HA2	2:26:B:LYS:HD2	3	0.74
(1,6302)	2:26:B:LYS:HD3	2:25:B:ASP:HA	15	0.74
(1,6302)	2:26:B:LYS:HD3	2:25:B:ASP:HA	20	0.74
(1,6286)	2:26:A:LYS:HB3	2:27:A:PHE:HD2	8	0.74
(1,6244)	2:29:B:LEU:HD11	2:34:B:LEU:HB3	2	0.74
(1,6244)	2:29:B:LEU:HD11	2:34:B:LEU:HB3	15	0.74
(1,6240)	2:29:A:LEU:HD11	2:34:A:LEU:HB3	2	0.74
(1,6105)	2:38:B:LEU:HD21	2:58:B:LEU:HD22	20	0.74
(1,6104)	2:38:B:LEU:HD22	2:82:B:ILE:HB	6	0.74
(1,6066)	2:40:A:ARG:HD3	2:19:A:TYR:HD1	14	0.74
(1,6037)	2:42:A:LEU:HD13	2:3:B:CYS:HB3	4	0.74
(1,6020)	2:46:A:LEU:HD23	1:1900:C:LEU:HG	4	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5899)	2:29:B:LEU:HD23	2:19:B:TYR:HB3	3	0.74
(1,5831)	2:77:B:VAL:HG13	2:73:B:GLN:HE22	4	0.74
(1,5780)	2:82:A:ILE:HD12	2:42:A:LEU:HD12	19	0.74
(1,5768)	2:83:B:ALA:HB1	2:79:B:LEU:HA	14	0.74
(1,5768)	2:83:B:ALA:HB1	2:79:B:LEU:HA	18	0.74
(1,5742)	2:85:B:MET:HE1	1:1926:C:LEU:HD12	13	0.74
(1,5542)	1:1907:C:ALA:HB1	2:62:A:LEU:HD23	20	0.74
(1,5542)	1:1907:C:ALA:HB2	2:62:A:LEU:HD23	20	0.74
(1,5542)	1:1907:C:ALA:HB3	2:62:A:LEU:HD23	20	0.74
(1,5497)	1:1910:C:MET:HE1	2:81:A:CYS:HB2	12	0.74
(1,5360)	1:1917:C:LEU:HD21	1:1918:C:LYS:HE3	15	0.74
(1,5360)	1:1917:C:LEU:HD22	1:1918:C:LYS:HE3	15	0.74
(1,5360)	1:1917:C:LEU:HD23	1:1918:C:LYS:HE3	15	0.74
(1,5120)	1:1934:C:MET:HE1	2:9:A:LEU:HD13	3	0.74
(1,5120)	1:1934:C:MET:HE2	2:9:A:LEU:HD13	3	0.74
(1,5120)	1:1934:C:MET:HE3	2:9:A:LEU:HD13	3	0.74
(1,4180)	2:46:A:LEU:HD23	1:1900:C:LEU:HB3	12	0.74
(1,4180)	2:46:A:LEU:HD23	1:1900:C:LEU:HB3	17	0.74
(1,4162)	2:54:A:ALA:HB1	1:1900:C:LEU:HB3	7	0.74
(1,4162)	2:54:A:ALA:HB1	1:1900:C:LEU:HB3	8	0.74
(1,4088)	2:84:B:MET:HE3	1:1913:C:GLU:HG3	11	0.74
(1,4056)	2:85:B:MET:HE2	1:1922:C:ARG:HG2	7	0.74
(1,4028)	2:82:B:ILE:HG21	1:1926:C:LEU:HD11	17	0.74
(1,4028)	2:82:B:ILE:HG21	1:1926:C:LEU:HD12	17	0.74
(1,4028)	2:82:B:ILE:HG21	1:1926:C:LEU:HD13	17	0.74
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG21	4	0.74
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG22	4	0.74
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG23	4	0.74
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG21	6	0.74
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG22	6	0.74
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG23	6	0.74
(1,4002)	2:58:B:LEU:HD13	1:1928:C:PHE:HB2	5	0.74
(1,4002)	2:58:B:LEU:HD12	1:1928:C:PHE:HB2	19	0.74
(1,3963)	2:77:B:VAL:HG23	1:1920:C:LYS:HG3	1	0.74
(1,3963)	2:77:B:VAL:HG23	1:1920:C:LYS:HG3	9	0.74
(1,3963)	2:77:B:VAL:HG23	1:1920:C:LYS:HG3	10	0.74
(1,3963)	2:77:B:VAL:HG23	1:1920:C:LYS:HG3	19	0.74
(1,3919)	2:58:A:LEU:HD12	1:1899:C:GLU:HG3	20	0.74
(1,2570)	2:84:B:MET:HE1	2:72:A:PHE:HZ	12	0.74
(1,2546)	2:5:A:LEU:HD23	2:12:B:MET:HG3	10	0.74
(1,2454)	2:8:A:ALA:HB1	2:11:A:VAL:H	19	0.74
(1,2452)	2:8:B:ALA:HB1	2:12:B:MET:H	10	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2452)	2:8:B:ALA:HB3	2:12:B:MET:H	15	0.74
(1,2452)	2:8:B:ALA:HB3	2:12:B:MET:H	16	0.74
(1,2451)	2:8:A:ALA:HB3	2:12:A:MET:H	6	0.74
(1,2451)	2:8:A:ALA:HB3	2:12:A:MET:H	16	0.74
(1,2451)	2:8:A:ALA:HB2	2:12:A:MET:H	19	0.74
(1,2349)	2:11:A:VAL:HG23	2:15:A:THR:HA	13	0.74
(1,2275)	2:12:B:MET:HE2	2:80:B:SER:HA	3	0.74
(1,1775)	2:37:B:LEU:HD11	2:29:B:LEU:HD12	1	0.74
(1,1608)	2:42:B:LEU:HD13	2:9:A:LEU:H	20	0.74
(1,1544)	2:42:A:LEU:HD13	2:82:A:ILE:HG22	1	0.74
(1,1403)	2:49:A:ARG:HA	2:54:A:ALA:HB3	6	0.74
(1,1361)	2:52:B:GLU:HG2	2:51:B:ASP:HB2	8	0.74
(1,1347)	2:52:A:GLU:HG2	2:35:A:LYS:HD3	5	0.74
(1,1327)	2:53:B:ALA:HB3	2:56:B:GLN:HB3	6	0.74
(1,1327)	2:53:B:ALA:HB1	2:56:B:GLN:HB3	15	0.74
(1,1139)	2:58:A:LEU:HD12	1:1899:C:GLU:HG3	20	0.74
(1,1102)	2:59:B:MET:HE2	2:34:B:LEU:H	13	0.74
(1,1098)	2:59:B:MET:HE1	2:62:B:LEU:H	3	0.74
(1,1098)	2:59:B:MET:HE1	2:62:B:LEU:H	11	0.74
(1,1096)	2:59:B:MET:HE3	2:75:B:TYR:HD1	1	0.74
(1,1096)	2:59:B:MET:HE3	2:75:B:TYR:HD2	1	0.74
(1,1091)	2:59:B:MET:HE3	2:69:B:GLU:H	9	0.74
(1,1071)	2:59:B:MET:HE3	2:29:B:LEU:HD23	8	0.74
(1,1070)	2:59:B:MET:HE3	2:62:B:LEU:HD22	7	0.74
(1,1041)	2:59:A:MET:HE2	2:55:A:PHE:HD2	10	0.74
(1,727)	2:70:A:VAL:HG23	2:75:A:TYR:HB3	10	0.74
(1,577)	2:46:B:LEU:HD23	2:43:B:PRO:HB2	7	0.74
(1,499)	2:79:B:LEU:HD23	2:83:A:ALA:H	9	0.74
(1,499)	2:79:B:LEU:HD23	2:83:A:ALA:H	14	0.74
(1,213)	2:84:A:MET:HE1	2:72:B:PHE:HD1	14	0.74
(1,213)	2:84:A:MET:HE1	2:72:B:PHE:HD2	14	0.74
(1,213)	2:84:A:MET:HE1	2:72:B:PHE:HD1	20	0.74
(1,213)	2:84:A:MET:HE1	2:72:B:PHE:HD2	20	0.74
(1,175)	2:85:B:MET:HE3	1:1928:C:PHE:HA	6	0.74
(1,126)	2:85:A:MET:HE2	1:1898:C:ARG:H	17	0.74
(1,7000)	2:75:A:TYR:HD1	2:16:A:PHE:HD2	17	0.73
(1,6717)	2:23:B:GLU:H	2:23:B:GLU:HG2	3	0.73
(1,6706)	2:23:B:GLU:H	2:26:B:LYS:HA	13	0.73
(1,6706)	2:23:B:GLU:H	2:26:B:LYS:HA	19	0.73
(1,6631)	2:4:A:PRO:HA	2:8:B:ALA:H	11	0.73
(1,6627)	2:2:A:ALA:HB1	2:4:A:PRO:HG2	1	0.73
(1,6619)	2:2:A:ALA:HB2	2:6:A:GLU:H	1	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6619)	2:2:A:ALA:HB3	2:6:A:GLU:H	12	0.73
(1,6608)	2:3:A:CYS:HA	2:6:A:GLU:HA	11	0.73
(1,6608)	2:3:A:CYS:HA	2:6:A:GLU:HA	15	0.73
(1,6535)	2:8:B:ALA:HA	2:11:B:VAL:HB	15	0.73
(1,6462)	2:12:A:MET:HE2	2:84:B:MET:H	15	0.73
(1,6457)	2:12:A:MET:HE1	2:8:A:ALA:HA	14	0.73
(1,6453)	2:12:A:MET:HE3	2:76:A:CYS:HB2	15	0.73
(1,6449)	2:12:A:MET:HE2	2:9:A:LEU:HD11	1	0.73
(1,6441)	2:12:B:MET:HE3	2:78:B:PHE:HD2	4	0.73
(1,6419)	2:13:A:VAL:HG23	2:91:B:GLU:HB3	5	0.73
(1,6354)	2:22:B:LYS:HD2	2:19:B:TYR:HD1	5	0.73
(1,6242)	2:29:B:LEU:HD12	2:37:B:LEU:HD13	4	0.73
(1,6242)	2:29:B:LEU:HD12	2:37:B:LEU:HD12	6	0.73
(1,6240)	2:29:A:LEU:HD11	2:34:A:LEU:HB3	15	0.73
(1,6010)	2:49:B:ARG:HD2	2:35:B:LYS:HD2	2	0.73
(1,5959)	2:59:B:MET:HE1	2:58:B:LEU:HA	6	0.73
(1,5822)	2:77:A:VAL:HG13	2:73:A:GLN:HE22	19	0.73
(1,5792)	2:82:B:ILE:HD12	1:1921:C:LEU:HD11	17	0.73
(1,5768)	2:83:B:ALA:HB1	2:79:B:LEU:HA	16	0.73
(1,5753)	2:84:A:MET:HE3	2:73:B:GLN:H	16	0.73
(1,5752)	2:84:A:MET:HE2	2:86:A:CYS:H	7	0.73
(1,5752)	2:84:A:MET:HE2	2:86:A:CYS:H	16	0.73
(1,5747)	2:85:B:MET:HE3	2:45:B:PHE:HE1	7	0.73
(1,5742)	2:85:B:MET:HE2	1:1921:C:LEU:HD13	4	0.73
(1,5742)	2:85:B:MET:HE2	1:1921:C:LEU:HD11	7	0.73
(1,5497)	1:1910:C:MET:HE2	2:81:A:CYS:HB2	8	0.73
(1,5497)	1:1910:C:MET:HE3	2:81:A:CYS:HB2	9	0.73
(1,5497)	1:1910:C:MET:HE3	2:81:A:CYS:HB2	18	0.73
(1,5120)	1:1934:C:MET:HE1	2:9:A:LEU:HD13	5	0.73
(1,5120)	1:1934:C:MET:HE2	2:9:A:LEU:HD13	5	0.73
(1,5120)	1:1934:C:MET:HE3	2:9:A:LEU:HD13	5	0.73
(1,5120)	1:1934:C:MET:HE1	2:9:A:LEU:HD11	17	0.73
(1,5120)	1:1934:C:MET:HE2	2:9:A:LEU:HD11	17	0.73
(1,5120)	1:1934:C:MET:HE3	2:9:A:LEU:HD11	17	0.73
(1,4589)	1:1918:C:LYS:HD2	1:1915:C:SER:HB2	18	0.73
(1,4163)	2:54:A:ALA:HB3	1:1897:C:GLN:HA	10	0.73
(1,4162)	2:54:A:ALA:HB3	1:1900:C:LEU:HB3	9	0.73
(1,4162)	2:54:A:ALA:HB1	1:1900:C:LEU:HB3	14	0.73
(1,4088)	2:84:B:MET:HE3	1:1913:C:GLU:HG3	1	0.73
(1,4018)	2:38:B:LEU:HD21	1:1927:C:PRO:HB2	7	0.73
(1,4002)	2:58:B:LEU:HD13	1:1928:C:PHE:HB2	2	0.73
(1,3979)	2:62:B:LEU:HD12	1:1920:C:LYS:HG3	14	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3750)	2:93:B:PHE:H	2:101:B:LYS:HG2	3	0.73
(1,2570)	2:84:B:MET:HE1	2:72:A:PHE:HZ	15	0.73
(1,2454)	2:8:A:ALA:HB3	2:11:A:VAL:H	17	0.73
(1,2452)	2:8:B:ALA:HB3	2:12:B:MET:H	6	0.73
(1,2452)	2:8:B:ALA:HB2	2:12:B:MET:H	19	0.73
(1,2451)	2:8:A:ALA:HB3	2:12:A:MET:H	15	0.73
(1,2388)	2:9:B:LEU:HD11	2:42:A:LEU:HB3	16	0.73
(1,2349)	2:11:A:VAL:HG21	2:15:A:THR:HA	2	0.73
(1,1956)	2:34:B:LEU:HD22	2:38:B:LEU:HB2	2	0.73
(1,1902)	2:34:A:LEU:HD13	2:60:A:SER:H	6	0.73
(1,1712)	2:38:A:LEU:HD12	2:46:A:LEU:HB3	19	0.73
(1,1582)	2:42:B:LEU:HD13	2:82:B:ILE:HG22	2	0.73
(1,1408)	2:49:A:ARG:HD2	2:54:A:ALA:HB1	1	0.73
(1,1327)	2:53:B:ALA:HB3	2:56:B:GLN:HB3	12	0.73
(1,1327)	2:53:B:ALA:HB2	2:56:B:GLN:HB3	20	0.73
(1,1317)	2:53:A:ALA:HB2	2:52:A:GLU:HG2	18	0.73
(1,1290)	2:54:A:ALA:HB2	1:1897:C:GLN:HG2	19	0.73
(1,1156)	2:58:A:LEU:HD23	1:1899:C:GLU:HG3	4	0.73
(1,1156)	2:58:A:LEU:HD22	1:1899:C:GLU:HG3	5	0.73
(1,1156)	2:58:A:LEU:HD22	1:1899:C:GLU:HG3	18	0.73
(1,1125)	2:58:A:LEU:HD12	2:61:A:ASN:HD22	7	0.73
(1,1053)	2:59:A:MET:HE1	2:75:A:TYR:HD1	2	0.73
(1,1053)	2:59:A:MET:HE1	2:75:A:TYR:HD2	2	0.73
(1,1053)	2:59:A:MET:HE2	2:75:A:TYR:HD1	5	0.73
(1,1053)	2:59:A:MET:HE2	2:75:A:TYR:HD2	5	0.73
(1,961)	2:62:B:LEU:HD23	2:78:B:PHE:H	7	0.73
(1,727)	2:70:A:VAL:HG21	2:75:A:TYR:HB3	17	0.73
(1,577)	2:46:B:LEU:HD23	2:43:B:PRO:HB2	15	0.73
(1,379)	2:82:B:ILE:HD11	2:42:B:LEU:HD22	9	0.73
(1,245)	2:84:B:MET:HE2	2:85:B:MET:HG2	8	0.73
(1,245)	2:84:B:MET:HE2	2:85:B:MET:HG2	9	0.73
(1,213)	2:84:A:MET:HE1	2:72:B:PHE:HD1	4	0.73
(1,213)	2:84:A:MET:HE1	2:72:B:PHE:HD2	4	0.73
(1,213)	2:84:A:MET:HE1	2:72:B:PHE:HD1	13	0.73
(1,213)	2:84:A:MET:HE1	2:72:B:PHE:HD2	13	0.73
(2,46)	1:1916:C:SER:H	1:1912:C:ARG:HB2	20	0.72
(1,6631)	2:4:A:PRO:HA	2:8:B:ALA:H	15	0.72
(1,6593)	2:5:B:LEU:HD23	2:42:A:LEU:HD13	5	0.72
(1,6535)	2:8:B:ALA:HA	2:11:B:VAL:HB	14	0.72
(1,6461)	2:12:A:MET:HE3	2:76:A:CYS:H	18	0.72
(1,6457)	2:12:A:MET:HE1	2:8:A:ALA:HA	5	0.72
(1,6456)	2:12:A:MET:HE1	2:9:A:LEU:HA	8	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6450)	2:12:A:MET:HE1	2:11:A:VAL:HG21	15	0.72
(1,6440)	2:12:B:MET:HE1	2:9:B:LEU:HA	11	0.72
(1,6360)	2:21:A:GLY:HA2	2:26:A:LYS:HD3	16	0.72
(1,6354)	2:22:B:LYS:HD2	2:19:B:TYR:HD1	10	0.72
(1,6333)	2:23:B:GLU:HG2	2:22:B:LYS:H	1	0.72
(1,6309)	2:25:B:ASP:HA	2:26:B:LYS:HG2	13	0.72
(1,6187)	2:34:A:LEU:HD21	2:36:A:GLU:H	16	0.72
(1,6067)	2:40:A:ARG:HD3	2:19:A:TYR:HE1	10	0.72
(1,6067)	2:40:B:ARG:HD3	2:19:B:TYR:HE1	11	0.72
(1,6066)	2:40:B:ARG:HD3	2:19:B:TYR:HD1	12	0.72
(1,6066)	2:40:B:ARG:HD3	2:19:B:TYR:HD1	17	0.72
(1,5971)	2:58:B:LEU:HD11	1:1921:C:LEU:HB2	1	0.72
(1,5787)	2:82:B:ILE:HD13	2:81:B:CYS:H	16	0.72
(1,5744)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	16	0.72
(1,5742)	2:85:B:MET:HE2	1:1921:C:LEU:HD11	11	0.72
(1,5742)	2:85:B:MET:HE1	1:1926:C:LEU:HD11	19	0.72
(1,5620)	1:1903:C:ALA:HB1	2:89:A:PHE:HB2	16	0.72
(1,5542)	1:1907:C:ALA:HB1	2:62:A:LEU:HD21	12	0.72
(1,5542)	1:1907:C:ALA:HB2	2:62:A:LEU:HD21	12	0.72
(1,5542)	1:1907:C:ALA:HB3	2:62:A:LEU:HD21	12	0.72
(1,5542)	1:1907:C:ALA:HB1	2:62:A:LEU:HD23	18	0.72
(1,5542)	1:1907:C:ALA:HB2	2:62:A:LEU:HD23	18	0.72
(1,5542)	1:1907:C:ALA:HB3	2:62:A:LEU:HD23	18	0.72
(1,5500)	1:1910:C:MET:HE2	2:73:B:GLN:HA	3	0.72
(1,5120)	1:1934:C:MET:HE1	2:9:A:LEU:HD11	10	0.72
(1,5120)	1:1934:C:MET:HE2	2:9:A:LEU:HD11	10	0.72
(1,5120)	1:1934:C:MET:HE3	2:9:A:LEU:HD11	10	0.72
(1,4790)	1:1934:C:MET:H	1:1933:C:ARG:HG2	8	0.72
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD21	10	0.72
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD22	10	0.72
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD23	10	0.72
(1,4178)	2:46:A:LEU:HD22	1:1897:C:GLN:HG2	4	0.72
(1,4178)	2:46:A:LEU:HD22	1:1897:C:GLN:HG2	17	0.72
(1,4120)	2:77:B:VAL:HG13	1:1917:C:LEU:H	9	0.72
(1,4061)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	16	0.72
(1,4028)	2:82:B:ILE:HG21	1:1926:C:LEU:HD11	11	0.72
(1,4028)	2:82:B:ILE:HG21	1:1926:C:LEU:HD12	11	0.72
(1,4028)	2:82:B:ILE:HG21	1:1926:C:LEU:HD13	11	0.72
(1,4013)	2:46:B:LEU:HD23	1:1928:C:PHE:HZ	1	0.72
(1,4010)	2:58:B:LEU:HD11	1:1917:C:LEU:HD11	3	0.72
(1,4010)	2:58:B:LEU:HD11	1:1917:C:LEU:HD12	3	0.72
(1,4010)	2:58:B:LEU:HD11	1:1917:C:LEU:HD13	3	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4002)	2:58:B:LEU:HD13	1:1928:C:PHE:HB2	13	0.72
(1,4002)	2:58:B:LEU:HD12	1:1928:C:PHE:HB2	17	0.72
(1,3923)	2:58:A:LEU:HD23	1:1903:C:ALA:HB1	14	0.72
(1,3923)	2:58:A:LEU:HD23	1:1903:C:ALA:HB2	14	0.72
(1,3923)	2:58:A:LEU:HD23	1:1903:C:ALA:HB3	14	0.72
(1,2889)	2:49:A:ARG:H	2:54:A:ALA:HB1	6	0.72
(1,2570)	2:84:B:MET:HE1	2:72:A:PHE:HZ	17	0.72
(1,2031)	2:29:A:LEU:HD12	2:37:A:LEU:HD11	1	0.72
(1,1956)	2:34:B:LEU:HD22	2:38:B:LEU:HB2	14	0.72
(1,1903)	2:34:A:LEU:HD12	2:55:A:PHE:HD2	6	0.72
(1,1903)	2:34:A:LEU:HD13	2:55:A:PHE:HE2	11	0.72
(1,1902)	2:34:A:LEU:HD13	2:60:A:SER:H	16	0.72
(1,1695)	2:38:A:LEU:HD11	2:42:A:LEU:H	7	0.72
(1,1608)	2:42:B:LEU:HD13	2:9:A:LEU:H	17	0.72
(1,1570)	2:42:A:LEU:HD11	2:19:A:TYR:HD1	8	0.72
(1,1570)	2:42:A:LEU:HD11	2:19:A:TYR:HD2	8	0.72
(1,1570)	2:42:A:LEU:HD13	2:19:A:TYR:HD1	17	0.72
(1,1570)	2:42:A:LEU:HD13	2:19:A:TYR:HD2	17	0.72
(1,1544)	2:42:A:LEU:HD13	2:82:A:ILE:HG22	16	0.72
(1,1407)	2:49:A:ARG:HG2	2:54:A:ALA:HB2	19	0.72
(1,1311)	2:54:B:ALA:HB2	2:50:B:THR:HG22	3	0.72
(1,1157)	2:58:A:LEU:HD23	2:45:A:PHE:HB3	19	0.72
(1,1156)	2:58:A:LEU:HD23	1:1899:C:GLU:HG3	8	0.72
(1,1096)	2:59:B:MET:HE3	2:75:B:TYR:HD1	7	0.72
(1,1096)	2:59:B:MET:HE3	2:75:B:TYR:HD2	7	0.72
(1,1096)	2:59:B:MET:HE3	2:75:B:TYR:HD1	10	0.72
(1,1096)	2:59:B:MET:HE3	2:75:B:TYR:HD2	10	0.72
(1,1053)	2:59:A:MET:HE1	2:75:A:TYR:HD1	7	0.72
(1,1053)	2:59:A:MET:HE1	2:75:A:TYR:HD2	7	0.72
(1,1053)	2:59:A:MET:HE3	2:75:A:TYR:HD1	9	0.72
(1,1053)	2:59:A:MET:HE3	2:75:A:TYR:HD2	9	0.72
(1,1053)	2:59:A:MET:HE1	2:75:A:TYR:HD1	14	0.72
(1,1053)	2:59:A:MET:HE1	2:75:A:TYR:HD2	14	0.72
(1,1053)	2:59:A:MET:HE1	2:75:A:TYR:HD1	20	0.72
(1,1053)	2:59:A:MET:HE1	2:75:A:TYR:HD2	20	0.72
(1,944)	2:62:B:LEU:HD22	2:70:B:VAL:HB	17	0.72
(1,785)	2:70:B:VAL:HG22	2:29:B:LEU:HD13	13	0.72
(1,499)	2:79:B:LEU:HD23	2:83:A:ALA:H	3	0.72
(1,499)	2:79:B:LEU:HD23	2:83:A:ALA:H	12	0.72
(1,460)	2:79:A:LEU:HD23	2:76:A:CYS:HA	14	0.72
(1,252)	2:84:B:MET:HE1	2:72:A:PHE:HD1	11	0.72
(1,252)	2:84:B:MET:HE1	2:72:A:PHE:HD2	11	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,246)	2:84:B:MET:HE2	1:1918:C:LYS:HE3	15	0.72
(1,213)	2:84:A:MET:HE1	2:72:B:PHE:HD1	15	0.72
(1,213)	2:84:A:MET:HE1	2:72:B:PHE:HD2	15	0.72
(1,175)	2:85:B:MET:HE1	1:1928:C:PHE:HA	9	0.72
(1,6968)	2:17:A:HIS:H	2:26:A:LYS:HE3	19	0.71
(1,6951)	2:82:B:ILE:H	1:1917:C:LEU:HD11	14	0.71
(1,6631)	2:4:A:PRO:HA	2:8:B:ALA:H	2	0.71
(1,6631)	2:4:A:PRO:HA	2:8:B:ALA:H	13	0.71
(1,6517)	2:9:A:LEU:HD21	2:12:A:MET:HB2	4	0.71
(1,6475)	2:11:A:VAL:HG12	2:8:B:ALA:HB1	5	0.71
(1,6459)	2:12:A:MET:HE2	2:78:B:PHE:HD1	17	0.71
(1,6459)	2:12:A:MET:HE2	2:78:B:PHE:HD1	18	0.71
(1,6457)	2:12:A:MET:HE1	2:8:A:ALA:HA	9	0.71
(1,6456)	2:12:A:MET:HE1	2:9:A:LEU:HA	15	0.71
(1,6450)	2:12:A:MET:HE1	2:11:A:VAL:HG22	14	0.71
(1,6443)	2:12:B:MET:HE2	2:82:A:ILE:H	2	0.71
(1,6443)	2:12:B:MET:HE2	2:82:A:ILE:H	20	0.71
(1,6441)	2:12:B:MET:HE3	2:78:B:PHE:HD1	19	0.71
(1,6294)	2:26:A:LYS:HG3	2:27:A:PHE:HD2	17	0.71
(1,6247)	2:29:B:LEU:HD21	2:30:B:ASN:HD22	10	0.71
(1,6084)	2:38:A:LEU:HD12	2:36:A:GLU:HA	2	0.71
(1,6084)	2:38:A:LEU:HD12	2:36:A:GLU:HA	13	0.71
(1,6071)	2:39:B:THR:HG21	2:38:B:LEU:HB3	16	0.71
(1,6037)	2:42:A:LEU:HD11	2:3:B:CYS:HB3	3	0.71
(1,6033)	2:42:A:LEU:HD12	2:37:A:LEU:HA	8	0.71
(1,6033)	2:42:A:LEU:HD12	2:37:A:LEU:HA	11	0.71
(1,6020)	2:46:A:LEU:HD23	1:1900:C:LEU:HG	7	0.71
(1,6020)	2:46:A:LEU:HD23	1:1900:C:LEU:HG	14	0.71
(1,5971)	2:58:B:LEU:HD11	1:1921:C:LEU:HB2	4	0.71
(1,5946)	2:59:A:MET:HE2	2:30:A:ASN:HB3	13	0.71
(1,5765)	2:83:A:ALA:HB1	2:72:B:PHE:HZ	17	0.71
(1,5657)	1:1900:C:LEU:HD13	2:46:A:LEU:HA	13	0.71
(1,5497)	1:1910:C:MET:HE2	2:81:A:CYS:HB2	1	0.71
(1,5360)	1:1917:C:LEU:HD21	1:1918:C:LYS:HE3	12	0.71
(1,5360)	1:1917:C:LEU:HD22	1:1918:C:LYS:HE3	12	0.71
(1,5360)	1:1917:C:LEU:HD23	1:1918:C:LYS:HE3	12	0.71
(1,5360)	1:1917:C:LEU:HD21	1:1918:C:LYS:HE3	14	0.71
(1,5360)	1:1917:C:LEU:HD22	1:1918:C:LYS:HE3	14	0.71
(1,5360)	1:1917:C:LEU:HD23	1:1918:C:LYS:HE3	14	0.71
(1,5128)	1:1934:C:MET:HE1	2:6:A:GLU:HA	16	0.71
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD21	20	0.71
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD22	20	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD23	20	0.71
(1,4162)	2:54:A:ALA:HB2	1:1900:C:LEU:HB3	15	0.71
(1,4155)	2:58:A:LEU:HD11	1:1903:C:ALA:H	1	0.71
(1,4155)	2:58:A:LEU:HD12	1:1903:C:ALA:H	18	0.71
(1,4125)	2:76:A:CYS:HB3	1:1910:C:MET:HG2	2	0.71
(1,4125)	2:76:A:CYS:HB3	1:1910:C:MET:HG2	6	0.71
(1,4125)	2:76:A:CYS:HB3	1:1910:C:MET:HG2	19	0.71
(1,4028)	2:82:B:ILE:HG23	1:1926:C:LEU:HD11	5	0.71
(1,4028)	2:82:B:ILE:HG23	1:1926:C:LEU:HD12	5	0.71
(1,4028)	2:82:B:ILE:HG23	1:1926:C:LEU:HD13	5	0.71
(1,4018)	2:38:B:LEU:HD22	1:1927:C:PRO:HB2	5	0.71
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG21	15	0.71
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG22	15	0.71
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG23	15	0.71
(1,3990)	2:58:B:LEU:HD12	1:1929:C:VAL:HG21	20	0.71
(1,3990)	2:58:B:LEU:HD12	1:1929:C:VAL:HG22	20	0.71
(1,3990)	2:58:B:LEU:HD12	1:1929:C:VAL:HG23	20	0.71
(1,2889)	2:49:A:ARG:H	2:54:A:ALA:HB2	16	0.71
(1,2570)	2:84:B:MET:HE1	2:72:A:PHE:HZ	8	0.71
(1,2451)	2:8:A:ALA:HB2	2:12:A:MET:H	13	0.71
(1,2388)	2:9:B:LEU:HD11	2:42:A:LEU:HB3	13	0.71
(1,2280)	2:12:B:MET:HE2	2:84:A:MET:H	13	0.71
(1,1988)	2:31:A:LYS:HD3	2:55:A:PHE:HD2	17	0.71
(1,1956)	2:34:B:LEU:HD23	2:38:B:LEU:HB2	10	0.71
(1,1951)	2:34:B:LEU:HD23	2:31:B:LYS:HA	18	0.71
(1,1914)	2:34:A:LEU:HD23	2:31:A:LYS:HA	18	0.71
(1,1712)	2:38:A:LEU:HD12	2:46:A:LEU:HB3	17	0.71
(1,1652)	2:39:A:THR:HB	2:36:A:GLU:HB2	2	0.71
(1,1608)	2:42:B:LEU:HD13	2:9:A:LEU:H	14	0.71
(1,1608)	2:42:B:LEU:HD13	2:9:A:LEU:H	19	0.71
(1,1317)	2:53:A:ALA:HB3	2:52:A:GLU:HG2	17	0.71
(1,1291)	2:54:A:ALA:HB1	1:1897:C:GLN:HG3	1	0.71
(1,1159)	2:58:A:LEU:HD22	2:62:A:LEU:HD21	6	0.71
(1,1157)	2:58:A:LEU:HD23	2:45:A:PHE:HB3	8	0.71
(1,1125)	2:58:A:LEU:HD12	2:61:A:ASN:HD22	11	0.71
(1,1125)	2:58:A:LEU:HD12	2:61:A:ASN:HD22	12	0.71
(1,1096)	2:59:B:MET:HE3	2:75:B:TYR:HD1	18	0.71
(1,1096)	2:59:B:MET:HE3	2:75:B:TYR:HD2	18	0.71
(1,1053)	2:59:A:MET:HE2	2:75:A:TYR:HD1	11	0.71
(1,1053)	2:59:A:MET:HE2	2:75:A:TYR:HD2	11	0.71
(1,1053)	2:59:A:MET:HE1	2:75:A:TYR:HD1	13	0.71
(1,1053)	2:59:A:MET:HE1	2:75:A:TYR:HD2	13	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1032)	2:59:A:MET:HE1	2:59:A:MET:HG2	16	0.71
(1,499)	2:79:B:LEU:HD23	2:83:A:ALA:H	1	0.71
(1,499)	2:79:B:LEU:HD23	2:83:A:ALA:H	8	0.71
(1,246)	2:84:B:MET:HE2	1:1918:C:LYS:HE2	2	0.71
(1,245)	2:84:B:MET:HE2	2:85:B:MET:HG2	11	0.71
(1,245)	2:84:B:MET:HE2	2:85:B:MET:HG2	13	0.71
(1,245)	2:84:B:MET:HE2	2:85:B:MET:HG2	16	0.71
(1,126)	2:85:A:MET:HE2	1:1898:C:ARG:H	8	0.71
(1,126)	2:85:A:MET:HE2	1:1898:C:ARG:H	18	0.71
(1,6858)	2:2:B:ALA:H	2:7:B:LYS:HB2	2	0.7
(1,6675)	2:26:B:LYS:H	2:26:B:LYS:HG2	13	0.7
(1,6631)	2:4:A:PRO:HA	2:8:B:ALA:H	19	0.7
(1,6631)	2:4:A:PRO:HA	2:8:B:ALA:H	20	0.7
(1,6619)	2:2:A:ALA:HB1	2:6:A:GLU:H	6	0.7
(1,6574)	2:6:A:GLU:HA	2:41:B:GLU:HB2	12	0.7
(1,6543)	2:8:B:ALA:HB1	2:10:B:ASP:HB2	14	0.7
(1,6517)	2:9:A:LEU:HD21	2:12:A:MET:HB2	2	0.7
(1,6456)	2:12:A:MET:HE1	2:9:A:LEU:HA	18	0.7
(1,6449)	2:12:A:MET:HE2	2:9:A:LEU:HD11	12	0.7
(1,6436)	2:12:B:MET:HE2	2:9:B:LEU:HD12	11	0.7
(1,6419)	2:13:A:VAL:HG23	2:91:B:GLU:HB3	19	0.7
(1,6293)	2:26:A:LYS:HG2	2:27:A:PHE:HD2	16	0.7
(1,6187)	2:34:A:LEU:HD21	2:36:A:GLU:H	19	0.7
(1,6147)	2:37:A:LEU:HD22	2:15:A:THR:HG23	6	0.7
(1,6138)	2:37:A:LEU:HD12	2:34:A:LEU:HD21	7	0.7
(1,6107)	2:38:B:LEU:HD13	2:34:B:LEU:HD13	10	0.7
(1,6084)	2:38:A:LEU:HD12	2:36:A:GLU:HA	4	0.7
(1,6084)	2:38:A:LEU:HD12	2:36:A:GLU:HA	11	0.7
(1,6084)	2:38:A:LEU:HD12	2:39:A:THR:HA	17	0.7
(1,6033)	2:42:A:LEU:HD12	2:37:A:LEU:HA	5	0.7
(1,6033)	2:42:A:LEU:HD12	2:37:A:LEU:HA	12	0.7
(1,6020)	2:46:A:LEU:HD23	1:1900:C:LEU:HG	3	0.7
(1,6019)	2:46:A:LEU:HD23	2:55:A:PHE:HA	9	0.7
(1,5972)	2:58:B:LEU:HD22	2:62:B:LEU:HD13	2	0.7
(1,5822)	2:77:A:VAL:HG11	2:73:A:GLN:HE22	9	0.7
(1,5768)	2:83:B:ALA:HB1	2:79:B:LEU:HA	20	0.7
(1,5761)	2:83:A:ALA:HB3	2:80:A:SER:H	10	0.7
(1,5752)	2:84:A:MET:HE2	2:86:A:CYS:H	8	0.7
(1,5747)	2:85:B:MET:HE1	2:61:B:ASN:HD21	2	0.7
(1,5747)	2:85:B:MET:HE1	2:61:B:ASN:HD21	17	0.7
(1,5744)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	14	0.7
(1,5497)	1:1910:C:MET:HE2	2:81:A:CYS:HB2	3	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD21	5	0.7
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD22	5	0.7
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD23	5	0.7
(1,4155)	2:58:A:LEU:HD12	1:1903:C:ALA:H	17	0.7
(1,4088)	2:84:B:MET:HE3	1:1913:C:GLU:HG3	14	0.7
(1,4061)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	14	0.7
(1,4054)	2:85:B:MET:HE1	1:1921:C:LEU:HD11	5	0.7
(1,4054)	2:85:B:MET:HE1	1:1921:C:LEU:HD12	5	0.7
(1,4054)	2:85:B:MET:HE1	1:1921:C:LEU:HD13	5	0.7
(1,4054)	2:85:B:MET:HE1	1:1921:C:LEU:HD11	13	0.7
(1,4054)	2:85:B:MET:HE1	1:1921:C:LEU:HD12	13	0.7
(1,4054)	2:85:B:MET:HE1	1:1921:C:LEU:HD13	13	0.7
(1,4028)	2:82:B:ILE:HG22	1:1926:C:LEU:HD11	1	0.7
(1,4028)	2:82:B:ILE:HG22	1:1926:C:LEU:HD12	1	0.7
(1,4028)	2:82:B:ILE:HG22	1:1926:C:LEU:HD13	1	0.7
(1,4002)	2:58:B:LEU:HD13	1:1928:C:PHE:HB2	1	0.7
(1,4002)	2:58:B:LEU:HD13	1:1928:C:PHE:HB2	3	0.7
(1,4002)	2:58:B:LEU:HD12	1:1928:C:PHE:HB2	20	0.7
(1,3919)	2:58:A:LEU:HD11	1:1899:C:GLU:HG3	10	0.7
(1,2452)	2:8:B:ALA:HB2	2:12:B:MET:H	13	0.7
(1,2451)	2:8:A:ALA:HB3	2:12:A:MET:H	2	0.7
(1,2349)	2:11:A:VAL:HG21	2:15:A:THR:HA	1	0.7
(1,2275)	2:12:B:MET:HE2	2:80:B:SER:HA	9	0.7
(1,2182)	2:15:B:THR:HG22	2:41:B:GLU:HG2	10	0.7
(1,1958)	2:34:B:LEU:HD21	2:70:B:VAL:HG13	3	0.7
(1,1956)	2:34:B:LEU:HD22	2:38:B:LEU:HB2	1	0.7
(1,1956)	2:34:B:LEU:HD22	2:38:B:LEU:HB2	4	0.7
(1,1956)	2:34:B:LEU:HD23	2:38:B:LEU:HB2	19	0.7
(1,1914)	2:34:A:LEU:HD22	2:31:A:LYS:HA	7	0.7
(1,1903)	2:34:A:LEU:HD13	2:55:A:PHE:HE2	4	0.7
(1,1851)	2:35:A:LYS:HD2	2:55:A:PHE:HE1	7	0.7
(1,1609)	2:42:B:LEU:HD11	2:45:B:PHE:H	11	0.7
(1,1608)	2:42:B:LEU:HD13	2:9:A:LEU:H	15	0.7
(1,1544)	2:42:A:LEU:HD13	2:82:A:ILE:HG22	20	0.7
(1,1409)	2:49:A:ARG:HD3	2:54:A:ALA:HB2	14	0.7
(1,1345)	2:52:A:GLU:HG3	2:55:A:PHE:HB3	13	0.7
(1,1317)	2:53:A:ALA:HB3	2:52:A:GLU:HG2	11	0.7
(1,1156)	2:58:A:LEU:HD23	1:1899:C:GLU:HG3	1	0.7
(1,1156)	2:58:A:LEU:HD22	1:1899:C:GLU:HG3	9	0.7
(1,1139)	2:58:A:LEU:HD11	1:1899:C:GLU:HG3	10	0.7
(1,1093)	2:59:B:MET:HE2	2:30:B:ASN:HD22	10	0.7
(1,1053)	2:59:A:MET:HE3	2:75:A:TYR:HD1	6	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1053)	2:59:A:MET:HE3	2:75:A:TYR:HD2	6	0.7
(1,1053)	2:59:A:MET:HE1	2:75:A:TYR:HD1	17	0.7
(1,1053)	2:59:A:MET:HE1	2:75:A:TYR:HD2	17	0.7
(1,1041)	2:59:A:MET:HE3	2:55:A:PHE:HD2	18	0.7
(1,499)	2:79:B:LEU:HD23	2:83:A:ALA:H	11	0.7
(1,460)	2:79:A:LEU:HD23	2:76:A:CYS:HA	16	0.7
(1,355)	2:82:B:ILE:HG22	2:78:B:PHE:HD1	3	0.7
(1,355)	2:82:B:ILE:HG22	2:78:B:PHE:HD2	3	0.7
(1,245)	2:84:B:MET:HE2	2:85:B:MET:HG2	10	0.7
(1,213)	2:84:A:MET:HE1	2:72:B:PHE:HD1	9	0.7
(1,213)	2:84:A:MET:HE1	2:72:B:PHE:HD2	9	0.7
(1,213)	2:84:A:MET:HE1	2:72:B:PHE:HD1	11	0.7
(1,213)	2:84:A:MET:HE1	2:72:B:PHE:HD2	11	0.7
(1,176)	2:85:B:MET:HE1	1:1928:C:PHE:H	8	0.7
(1,106)	2:86:B:CYS:HB3	2:83:B:ALA:HB2	5	0.7
(1,6706)	2:23:B:GLU:H	2:26:B:LYS:HA	2	0.69
(1,6631)	2:4:A:PRO:HA	2:8:B:ALA:H	6	0.69
(1,6631)	2:4:A:PRO:HA	2:8:B:ALA:H	14	0.69
(1,6517)	2:9:A:LEU:HD21	2:12:A:MET:HB2	7	0.69
(1,6487)	2:11:A:VAL:HG12	2:4:B:PRO:HD2	5	0.69
(1,6462)	2:12:A:MET:HE2	2:84:B:MET:H	6	0.69
(1,6456)	2:12:A:MET:HE1	2:9:A:LEU:HA	3	0.69
(1,6453)	2:12:A:MET:HE3	2:76:A:CYS:HB2	8	0.69
(1,6443)	2:12:B:MET:HE2	2:82:A:ILE:H	5	0.69
(1,6296)	2:26:A:LYS:HG3	2:21:A:GLY:HA2	6	0.69
(1,6187)	2:34:A:LEU:HD23	2:36:A:GLU:H	3	0.69
(1,6175)	2:34:A:LEU:HD11	2:78:A:PHE:HB3	3	0.69
(1,6105)	2:38:B:LEU:HD23	2:58:B:LEU:HD22	3	0.69
(1,5994)	2:54:B:ALA:HB3	1:1926:C:LEU:HD11	20	0.69
(1,5971)	2:58:B:LEU:HD11	1:1921:C:LEU:HB2	5	0.69
(1,5971)	2:58:B:LEU:HD11	1:1921:C:LEU:HB2	6	0.69
(1,5761)	2:83:A:ALA:HB1	2:80:A:SER:H	19	0.69
(1,5744)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	8	0.69
(1,5743)	2:85:B:MET:HE2	1:1918:C:LYS:HE3	10	0.69
(1,5360)	1:1917:C:LEU:HD21	1:1918:C:LYS:HE2	3	0.69
(1,5360)	1:1917:C:LEU:HD22	1:1918:C:LYS:HE2	3	0.69
(1,5360)	1:1917:C:LEU:HD23	1:1918:C:LYS:HE2	3	0.69
(1,5360)	1:1917:C:LEU:HD21	1:1918:C:LYS:HE2	5	0.69
(1,5360)	1:1917:C:LEU:HD22	1:1918:C:LYS:HE2	5	0.69
(1,5360)	1:1917:C:LEU:HD23	1:1918:C:LYS:HE2	5	0.69
(1,4752)	2:58:A:LEU:H	1:1898:C:ARG:HD3	14	0.69
(1,4690)	1:1914:C:VAL:HG23	1:1915:C:SER:HB2	7	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4563)	1:1917:C:LEU:HD21	1:1917:C:LEU:HA	13	0.69
(1,4563)	1:1917:C:LEU:HD22	1:1917:C:LEU:HA	13	0.69
(1,4563)	1:1917:C:LEU:HD23	1:1917:C:LEU:HA	13	0.69
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD21	8	0.69
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD22	8	0.69
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD23	8	0.69
(1,4162)	2:54:A:ALA:HB3	1:1900:C:LEU:HB3	10	0.69
(1,4162)	2:54:A:ALA:HB2	1:1900:C:LEU:HB3	11	0.69
(1,4150)	2:61:B:ASN:HA	1:1921:C:LEU:HB3	14	0.69
(1,4125)	2:76:A:CYS:HB3	1:1910:C:MET:HG2	16	0.69
(1,4088)	2:84:B:MET:HE3	1:1913:C:GLU:HG3	13	0.69
(1,4061)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	8	0.69
(1,4026)	2:82:B:ILE:HD12	1:1929:C:VAL:HG21	15	0.69
(1,4026)	2:82:B:ILE:HD12	1:1929:C:VAL:HG22	15	0.69
(1,4026)	2:82:B:ILE:HD12	1:1929:C:VAL:HG23	15	0.69
(1,4013)	2:46:B:LEU:HD23	1:1928:C:PHE:HZ	6	0.69
(1,4002)	2:58:B:LEU:HD13	1:1928:C:PHE:HB2	4	0.69
(1,4002)	2:58:B:LEU:HD13	1:1928:C:PHE:HB2	6	0.69
(1,4002)	2:58:B:LEU:HD13	1:1928:C:PHE:HB2	10	0.69
(1,3991)	2:58:B:LEU:HD11	1:1917:C:LEU:HD21	10	0.69
(1,3991)	2:58:B:LEU:HD11	1:1917:C:LEU:HD22	10	0.69
(1,3991)	2:58:B:LEU:HD11	1:1917:C:LEU:HD23	10	0.69
(1,3991)	2:58:B:LEU:HD11	1:1917:C:LEU:HD21	13	0.69
(1,3991)	2:58:B:LEU:HD11	1:1917:C:LEU:HD22	13	0.69
(1,3991)	2:58:B:LEU:HD11	1:1917:C:LEU:HD23	13	0.69
(1,3919)	2:58:A:LEU:HD11	1:1899:C:GLU:HG3	19	0.69
(1,3908)	2:38:A:LEU:HD13	1:1900:C:LEU:HB3	13	0.69
(1,2570)	2:84:B:MET:HE1	2:72:A:PHE:HZ	14	0.69
(1,2452)	2:8:B:ALA:HB3	2:12:B:MET:H	2	0.69
(1,2452)	2:8:B:ALA:HB2	2:12:B:MET:H	14	0.69
(1,2349)	2:11:A:VAL:HG21	2:15:A:THR:HA	15	0.69
(1,2349)	2:11:A:VAL:HG21	2:15:A:THR:HA	19	0.69
(1,2349)	2:11:A:VAL:HG21	2:15:A:THR:HA	20	0.69
(1,2275)	2:12:B:MET:HE2	2:80:B:SER:HA	14	0.69
(1,2233)	2:13:A:VAL:HG23	2:87:B:ASN:H	19	0.69
(1,2031)	2:29:A:LEU:HD12	2:37:A:LEU:HD11	18	0.69
(1,1988)	2:31:A:LYS:HD3	2:55:A:PHE:HD2	16	0.69
(1,1956)	2:34:B:LEU:HD23	2:38:B:LEU:HB2	18	0.69
(1,1951)	2:34:B:LEU:HD22	2:31:B:LYS:HA	7	0.69
(1,1854)	2:35:A:LYS:HE3	2:32:A:SER:HA	7	0.69
(1,1707)	2:38:A:LEU:HD22	2:35:A:LYS:HA	5	0.69
(1,1608)	2:42:B:LEU:HD13	2:9:A:LEU:H	9	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1544)	2:42:A:LEU:HD13	2:82:A:ILE:HG22	10	0.69
(1,1544)	2:42:A:LEU:HD13	2:82:A:ILE:HG22	12	0.69
(1,1543)	2:42:A:LEU:HD13	2:82:A:ILE:HD12	20	0.69
(1,1322)	2:53:A:ALA:HB3	2:56:A:GLN:HE22	7	0.69
(1,1291)	2:54:A:ALA:HB1	1:1897:C:GLN:HG3	10	0.69
(1,1157)	2:58:A:LEU:HD22	2:45:A:PHE:HB3	12	0.69
(1,1156)	2:58:A:LEU:HD22	1:1899:C:GLU:HG3	7	0.69
(1,1156)	2:58:A:LEU:HD22	1:1899:C:GLU:HG3	12	0.69
(1,1139)	2:58:A:LEU:HD11	1:1899:C:GLU:HG3	19	0.69
(1,1125)	2:58:A:LEU:HD11	2:61:A:ASN:HD22	2	0.69
(1,1125)	2:58:A:LEU:HD13	2:61:A:ASN:HD22	8	0.69
(1,1098)	2:59:B:MET:HE1	2:62:B:LEU:H	9	0.69
(1,1053)	2:59:A:MET:HE3	2:75:A:TYR:HD1	1	0.69
(1,1053)	2:59:A:MET:HE3	2:75:A:TYR:HD2	1	0.69
(1,1053)	2:59:A:MET:HE3	2:75:A:TYR:HD1	18	0.69
(1,1053)	2:59:A:MET:HE3	2:75:A:TYR:HD2	18	0.69
(1,1032)	2:59:A:MET:HE2	2:59:A:MET:HG2	19	0.69
(1,1030)	2:59:A:MET:HE1	2:70:A:VAL:HG12	5	0.69
(1,961)	2:62:B:LEU:HD21	2:78:B:PHE:H	11	0.69
(1,944)	2:62:B:LEU:HD22	2:70:B:VAL:HB	10	0.69
(1,460)	2:79:A:LEU:HD23	2:76:A:CYS:HA	9	0.69
(1,376)	2:82:B:ILE:HG21	1:1929:C:VAL:HG11	14	0.69
(1,376)	2:82:B:ILE:HG21	1:1929:C:VAL:HG12	14	0.69
(1,376)	2:82:B:ILE:HG21	1:1929:C:VAL:HG13	14	0.69
(1,245)	2:84:B:MET:HE2	2:85:B:MET:HG2	5	0.69
(1,245)	2:84:B:MET:HE2	2:85:B:MET:HG2	12	0.69
(1,245)	2:84:B:MET:HE2	2:85:B:MET:HG2	20	0.69
(1,176)	2:85:B:MET:HE1	1:1928:C:PHE:H	7	0.69
(1,176)	2:85:B:MET:HE1	1:1928:C:PHE:H	16	0.69
(1,6771)	2:28:A:LYS:H	2:17:A:HIS:HA	19	0.68
(1,6768)	2:27:B:PHE:H	2:28:B:LYS:HG2	3	0.68
(1,6631)	2:4:A:PRO:HA	2:8:B:ALA:H	8	0.68
(1,6626)	2:2:B:ALA:HB2	2:7:B:LYS:HE2	1	0.68
(1,6619)	2:2:A:ALA:HB1	2:6:A:GLU:H	9	0.68
(1,6574)	2:6:B:GLU:HA	2:41:A:GLU:HB2	8	0.68
(1,6550)	2:8:A:ALA:HB2	2:11:B:VAL:HG13	4	0.68
(1,6535)	2:8:A:ALA:HA	2:11:A:VAL:HB	11	0.68
(1,6516)	2:9:B:LEU:HD21	2:12:B:MET:HB2	9	0.68
(1,6477)	2:11:A:VAL:HG12	2:7:A:LYS:HD2	8	0.68
(1,6460)	2:12:A:MET:HE1	2:9:A:LEU:H	9	0.68
(1,6456)	2:12:A:MET:HE1	2:9:A:LEU:HA	14	0.68
(1,6453)	2:12:A:MET:HE3	2:76:A:CYS:HB2	9	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6453)	2:12:A:MET:HE3	2:76:A:CYS:HB2	18	0.68
(1,6427)	2:13:A:VAL:HG21	2:72:A:PHE:HE1	14	0.68
(1,6419)	2:13:A:VAL:HG23	2:91:B:GLU:HB3	16	0.68
(1,6333)	2:23:A:GLU:HG2	2:22:A:LYS:H	10	0.68
(1,6333)	2:23:A:GLU:HG2	2:22:A:LYS:H	19	0.68
(1,6239)	2:29:A:LEU:HD11	2:59:A:MET:HE1	14	0.68
(1,6239)	2:29:A:LEU:HD11	2:59:A:MET:HE3	15	0.68
(1,6187)	2:34:A:LEU:HD21	2:36:A:GLU:H	10	0.68
(1,6158)	2:88:B:GLU:HG3	2:87:B:ASN:HA	11	0.68
(1,6105)	2:38:B:LEU:HD23	2:58:B:LEU:HD22	2	0.68
(1,6104)	2:38:B:LEU:HD21	2:82:B:ILE:HB	10	0.68
(1,6037)	2:42:A:LEU:HD11	2:3:B:CYS:HB3	5	0.68
(1,6020)	2:46:A:LEU:HD23	1:1900:C:LEU:HG	5	0.68
(1,6019)	2:46:A:LEU:HD21	2:55:A:PHE:HA	13	0.68
(1,5927)	2:62:B:LEU:HD22	2:85:B:MET:HE1	9	0.68
(1,5897)	2:62:A:LEU:HD22	2:59:A:MET:HE3	18	0.68
(1,5787)	2:82:B:ILE:HD12	2:81:B:CYS:H	7	0.68
(1,5752)	2:84:A:MET:HE2	2:86:A:CYS:H	3	0.68
(1,5744)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	2	0.68
(1,5744)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	10	0.68
(1,5657)	1:1900:C:LEU:HD13	2:46:A:LEU:HA	4	0.68
(1,5657)	1:1900:C:LEU:HD11	2:46:A:LEU:HA	15	0.68
(1,5497)	1:1910:C:MET:HE1	2:81:A:CYS:HB2	2	0.68
(1,5360)	1:1917:C:LEU:HD21	1:1918:C:LYS:HE3	2	0.68
(1,5360)	1:1917:C:LEU:HD22	1:1918:C:LYS:HE3	2	0.68
(1,5360)	1:1917:C:LEU:HD23	1:1918:C:LYS:HE3	2	0.68
(1,5360)	1:1917:C:LEU:HD21	1:1918:C:LYS:HE2	6	0.68
(1,5360)	1:1917:C:LEU:HD22	1:1918:C:LYS:HE2	6	0.68
(1,5360)	1:1917:C:LEU:HD23	1:1918:C:LYS:HE2	6	0.68
(1,4162)	2:54:A:ALA:HB2	1:1900:C:LEU:HB3	20	0.68
(1,4155)	2:58:A:LEU:HD13	1:1903:C:ALA:H	5	0.68
(1,4125)	2:76:A:CYS:HB3	1:1910:C:MET:HG2	4	0.68
(1,4125)	2:76:A:CYS:HB3	1:1910:C:MET:HG2	7	0.68
(1,4061)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	2	0.68
(1,4061)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	10	0.68
(1,4054)	2:85:B:MET:HE1	1:1921:C:LEU:HD11	18	0.68
(1,4054)	2:85:B:MET:HE1	1:1921:C:LEU:HD12	18	0.68
(1,4054)	2:85:B:MET:HE1	1:1921:C:LEU:HD13	18	0.68
(1,4028)	2:82:B:ILE:HG21	1:1926:C:LEU:HD11	4	0.68
(1,4028)	2:82:B:ILE:HG21	1:1926:C:LEU:HD12	4	0.68
(1,4028)	2:82:B:ILE:HG21	1:1926:C:LEU:HD13	4	0.68
(1,4028)	2:82:B:ILE:HG21	1:1926:C:LEU:HD11	6	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4028)	2:82:B:ILE:HG21	1:1926:C:LEU:HD12	6	0.68
(1,4028)	2:82:B:ILE:HG21	1:1926:C:LEU:HD13	6	0.68
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG11	7	0.68
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG12	7	0.68
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG13	7	0.68
(1,4025)	2:82:B:ILE:HD12	1:1929:C:VAL:HG11	8	0.68
(1,4025)	2:82:B:ILE:HD12	1:1929:C:VAL:HG12	8	0.68
(1,4025)	2:82:B:ILE:HD12	1:1929:C:VAL:HG13	8	0.68
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG11	18	0.68
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG12	18	0.68
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG13	18	0.68
(1,4013)	2:46:B:LEU:HD23	1:1928:C:PHE:HZ	10	0.68
(1,4002)	2:58:B:LEU:HD13	1:1928:C:PHE:HB2	11	0.68
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG21	14	0.68
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG22	14	0.68
(1,3990)	2:58:B:LEU:HD13	1:1929:C:VAL:HG23	14	0.68
(1,3985)	2:62:B:LEU:HD21	1:1917:C:LEU:HA	1	0.68
(1,3931)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	18	0.68
(1,3919)	2:58:A:LEU:HD12	1:1899:C:GLU:HG3	3	0.68
(1,2889)	2:49:A:ARG:H	2:54:A:ALA:HB3	7	0.68
(1,2570)	2:84:B:MET:HE1	2:72:A:PHE:HZ	9	0.68
(1,2517)	2:5:B:LEU:HD21	2:9:B:LEU:HD13	13	0.68
(1,2451)	2:8:A:ALA:HB2	2:12:A:MET:H	14	0.68
(1,2109)	2:78:B:PHE:HA	1:1917:C:LEU:HD11	9	0.68
(1,2109)	2:78:B:PHE:HA	1:1917:C:LEU:HD12	9	0.68
(1,2109)	2:78:B:PHE:HA	1:1917:C:LEU:HD13	9	0.68
(1,2031)	2:29:A:LEU:HD12	2:37:A:LEU:HD11	9	0.68
(1,1956)	2:34:B:LEU:HD22	2:38:B:LEU:HB2	5	0.68
(1,1956)	2:34:B:LEU:HD23	2:38:B:LEU:HB2	20	0.68
(1,1903)	2:34:A:LEU:HD12	2:55:A:PHE:HD1	12	0.68
(1,1775)	2:37:B:LEU:HD11	2:29:B:LEU:HD12	18	0.68
(1,1712)	2:38:A:LEU:HD12	2:46:A:LEU:HB3	10	0.68
(1,1652)	2:39:A:THR:HB	2:36:A:GLU:HB2	18	0.68
(1,1609)	2:42:B:LEU:HD11	2:45:B:PHE:H	12	0.68
(1,1609)	2:42:B:LEU:HD11	2:45:B:PHE:H	16	0.68
(1,1570)	2:42:A:LEU:HD13	2:19:A:TYR:HD1	12	0.68
(1,1570)	2:42:A:LEU:HD13	2:19:A:TYR:HD2	12	0.68
(1,1563)	2:42:A:LEU:HD12	2:34:A:LEU:HA	19	0.68
(1,1409)	2:49:A:ARG:HD3	2:54:A:ALA:HB3	15	0.68
(1,1407)	2:49:A:ARG:HG2	2:54:A:ALA:HB2	14	0.68
(1,1156)	2:58:A:LEU:HD23	1:1899:C:GLU:HG3	10	0.68
(1,1139)	2:58:A:LEU:HD12	1:1899:C:GLU:HG3	3	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1053)	2:59:A:MET:HE1	2:75:A:TYR:HD1	8	0.68
(1,1053)	2:59:A:MET:HE1	2:75:A:TYR:HD2	8	0.68
(1,1052)	2:59:A:MET:HE3	2:62:A:LEU:H	8	0.68
(1,1032)	2:59:A:MET:HE2	2:59:A:MET:HG2	3	0.68
(1,944)	2:62:B:LEU:HD22	2:70:B:VAL:HB	7	0.68
(1,944)	2:62:B:LEU:HD21	2:70:B:VAL:HB	9	0.68
(1,944)	2:62:B:LEU:HD22	2:70:B:VAL:HB	16	0.68
(1,944)	2:62:B:LEU:HD21	2:70:B:VAL:HB	18	0.68
(1,584)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	18	0.68
(1,245)	2:84:B:MET:HE2	2:85:B:MET:HG2	6	0.68
(1,6858)	2:2:B:ALA:H	2:7:B:LYS:HB2	13	0.67
(1,6706)	2:23:B:GLU:H	2:26:B:LYS:HA	1	0.67
(1,6667)	2:26:B:LYS:H	2:27:B:PHE:HD2	9	0.67
(1,6631)	2:4:A:PRO:HA	2:8:B:ALA:H	3	0.67
(1,6631)	2:4:A:PRO:HA	2:8:B:ALA:H	18	0.67
(1,6517)	2:9:A:LEU:HD22	2:12:A:MET:HB2	16	0.67
(1,6487)	2:11:A:VAL:HG13	2:4:B:PRO:HD3	7	0.67
(1,6458)	2:12:A:MET:HE3	2:75:A:TYR:HD1	6	0.67
(1,6456)	2:12:A:MET:HE1	2:9:A:LEU:HA	1	0.67
(1,6440)	2:12:B:MET:HE1	2:9:B:LEU:HA	9	0.67
(1,6436)	2:12:B:MET:HE2	2:9:B:LEU:HD11	3	0.67
(1,6419)	2:13:A:VAL:HG22	2:91:B:GLU:HB3	9	0.67
(1,6331)	2:23:A:GLU:HG2	2:30:A:ASN:HD21	9	0.67
(1,6296)	2:26:A:LYS:HG3	2:21:A:GLY:HA2	15	0.67
(1,6270)	2:27:B:PHE:HA	2:75:B:TYR:HD2	11	0.67
(1,6244)	2:29:B:LEU:HD11	2:34:B:LEU:HB3	5	0.67
(1,6239)	2:29:A:LEU:HD12	2:59:A:MET:HE3	9	0.67
(1,6206)	2:32:B:SER:HB2	2:33:B:GLU:HG2	7	0.67
(1,6187)	2:34:A:LEU:HD23	2:36:A:GLU:H	1	0.67
(1,6187)	2:34:A:LEU:HD23	2:36:A:GLU:H	17	0.67
(1,6175)	2:34:A:LEU:HD11	2:78:A:PHE:HB3	7	0.67
(1,6105)	2:38:B:LEU:HD22	2:58:B:LEU:HD22	11	0.67
(1,6104)	2:38:B:LEU:HD23	2:82:B:ILE:HB	16	0.67
(1,6047)	2:42:B:LEU:HD13	2:79:B:LEU:HD22	9	0.67
(1,6019)	2:46:A:LEU:HD22	2:55:A:PHE:HA	5	0.67
(1,5984)	2:54:A:ALA:HB1	1:1898:C:ARG:HB2	1	0.67
(1,5974)	2:58:B:LEU:HD21	2:55:B:PHE:HB2	4	0.67
(1,5826)	2:77:A:VAL:HG13	2:81:A:CYS:HB2	8	0.67
(1,5768)	2:83:B:ALA:HB1	2:79:B:LEU:HA	7	0.67
(1,5744)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	3	0.67
(1,5741)	2:85:A:MET:HE2	2:58:A:LEU:HD22	16	0.67
(1,5630)	1:1903:C:ALA:HB1	2:9:B:LEU:HD11	2	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5630)	1:1903:C:ALA:HB2	2:9:B:LEU:HD11	2	0.67
(1,5630)	1:1903:C:ALA:HB3	2:9:B:LEU:HD11	2	0.67
(1,5500)	1:1910:C:MET:HE1	2:73:B:GLN:HA	14	0.67
(1,5360)	1:1917:C:LEU:HD21	1:1918:C:LYS:HE2	11	0.67
(1,5360)	1:1917:C:LEU:HD22	1:1918:C:LYS:HE2	11	0.67
(1,5360)	1:1917:C:LEU:HD23	1:1918:C:LYS:HE2	11	0.67
(1,5360)	1:1917:C:LEU:HD21	1:1918:C:LYS:HE2	17	0.67
(1,5360)	1:1917:C:LEU:HD22	1:1918:C:LYS:HE2	17	0.67
(1,5360)	1:1917:C:LEU:HD23	1:1918:C:LYS:HE2	17	0.67
(1,5360)	1:1917:C:LEU:HD21	1:1918:C:LYS:HE3	18	0.67
(1,5360)	1:1917:C:LEU:HD22	1:1918:C:LYS:HE3	18	0.67
(1,5360)	1:1917:C:LEU:HD23	1:1918:C:LYS:HE3	18	0.67
(1,5128)	1:1934:C:MET:HE3	2:6:A:GLU:HA	17	0.67
(1,5120)	1:1934:C:MET:HE1	2:9:A:LEU:HD13	1	0.67
(1,5120)	1:1934:C:MET:HE2	2:9:A:LEU:HD13	1	0.67
(1,5120)	1:1934:C:MET:HE3	2:9:A:LEU:HD13	1	0.67
(1,5120)	1:1934:C:MET:HE1	2:9:A:LEU:HD11	20	0.67
(1,5120)	1:1934:C:MET:HE2	2:9:A:LEU:HD11	20	0.67
(1,5120)	1:1934:C:MET:HE3	2:9:A:LEU:HD11	20	0.67
(1,4180)	2:46:A:LEU:HD21	1:1900:C:LEU:HB3	20	0.67
(1,4125)	2:76:A:CYS:HB3	1:1910:C:MET:HG2	3	0.67
(1,4061)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	3	0.67
(1,4056)	2:85:B:MET:HE2	1:1922:C:ARG:HG2	8	0.67
(1,4027)	2:82:B:ILE:HG23	1:1929:C:VAL:HG11	5	0.67
(1,4027)	2:82:B:ILE:HG23	1:1929:C:VAL:HG12	5	0.67
(1,4027)	2:82:B:ILE:HG23	1:1929:C:VAL:HG13	5	0.67
(1,4013)	2:46:B:LEU:HD23	1:1928:C:PHE:HZ	18	0.67
(1,4002)	2:58:B:LEU:HD11	1:1928:C:PHE:HB2	9	0.67
(1,4002)	2:58:B:LEU:HD13	1:1928:C:PHE:HB2	16	0.67
(1,3985)	2:62:B:LEU:HD22	1:1917:C:LEU:HA	11	0.67
(1,3954)	2:77:B:VAL:HG13	1:1914:C:VAL:HG11	16	0.67
(1,3954)	2:77:B:VAL:HG13	1:1914:C:VAL:HG12	16	0.67
(1,3954)	2:77:B:VAL:HG13	1:1914:C:VAL:HG13	16	0.67
(1,3919)	2:58:A:LEU:HD13	1:1899:C:GLU:HG3	11	0.67
(1,3908)	2:38:A:LEU:HD11	1:1900:C:LEU:HB3	15	0.67
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD11	13	0.67
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD12	13	0.67
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD13	13	0.67
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD11	13	0.67
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD12	13	0.67
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD13	13	0.67
(1,2570)	2:84:B:MET:HE1	2:72:A:PHE:HZ	5	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2452)	2:8:B:ALA:HB1	2:12:B:MET:H	17	0.67
(1,2451)	2:8:A:ALA:HB1	2:12:A:MET:H	17	0.67
(1,2349)	2:11:A:VAL:HG23	2:15:A:THR:HA	3	0.67
(1,2349)	2:11:A:VAL:HG21	2:15:A:THR:HA	17	0.67
(1,2281)	2:12:B:MET:HE3	2:76:B:CYS:H	3	0.67
(1,2233)	2:13:A:VAL:HG21	2:87:B:ASN:H	17	0.67
(1,2180)	2:15:B:THR:HG23	2:37:B:LEU:HD22	4	0.67
(1,2031)	2:29:A:LEU:HD12	2:37:A:LEU:HD13	2	0.67
(1,2031)	2:29:A:LEU:HD11	2:37:A:LEU:HD13	3	0.67
(1,2031)	2:29:A:LEU:HD13	2:37:A:LEU:HD12	10	0.67
(1,1961)	2:34:B:LEU:HD23	2:62:B:LEU:HD13	20	0.67
(1,1951)	2:34:B:LEU:HD22	2:31:B:LYS:HA	17	0.67
(1,1903)	2:34:A:LEU:HD13	2:55:A:PHE:HE2	10	0.67
(1,1903)	2:34:A:LEU:HD13	2:55:A:PHE:HE2	13	0.67
(1,1854)	2:35:A:LYS:HE2	2:32:A:SER:HA	8	0.67
(1,1775)	2:37:B:LEU:HD13	2:29:B:LEU:HD11	3	0.67
(1,1775)	2:37:B:LEU:HD11	2:29:B:LEU:HD12	9	0.67
(1,1609)	2:42:B:LEU:HD11	2:45:B:PHE:H	6	0.67
(1,1608)	2:42:B:LEU:HD13	2:9:A:LEU:H	7	0.67
(1,1563)	2:42:A:LEU:HD12	2:34:A:LEU:HA	14	0.67
(1,1468)	2:46:A:LEU:HD12	1:1897:C:GLN:HE22	10	0.67
(1,1408)	2:49:A:ARG:HD2	2:54:A:ALA:HB2	8	0.67
(1,1361)	2:52:B:GLU:HG2	2:51:B:ASP:HB2	10	0.67
(1,1156)	2:58:A:LEU:HD23	1:1899:C:GLU:HG3	19	0.67
(1,1155)	2:58:A:LEU:HD22	2:85:A:MET:HE2	16	0.67
(1,1139)	2:58:A:LEU:HD13	1:1899:C:GLU:HG3	11	0.67
(1,1096)	2:59:B:MET:HE1	2:75:B:TYR:HD1	2	0.67
(1,1096)	2:59:B:MET:HE1	2:75:B:TYR:HD2	2	0.67
(1,1052)	2:59:A:MET:HE3	2:62:A:LEU:H	3	0.67
(1,1046)	2:59:A:MET:HE3	2:67:A:ASP:H	13	0.67
(1,1033)	2:59:A:MET:HE2	2:68:A:ASN:HB2	1	0.67
(1,1033)	2:59:A:MET:HE2	2:68:A:ASN:HB2	17	0.67
(1,961)	2:62:B:LEU:HD23	2:78:B:PHE:H	1	0.67
(1,961)	2:62:B:LEU:HD22	2:78:B:PHE:H	3	0.67
(1,577)	2:46:B:LEU:HD23	2:43:B:PRO:HB2	8	0.67
(1,355)	2:82:B:ILE:HG22	2:78:B:PHE:HD1	17	0.67
(1,355)	2:82:B:ILE:HG22	2:78:B:PHE:HD2	17	0.67
(1,246)	2:84:B:MET:HE2	1:1918:C:LYS:HE3	18	0.67
(1,213)	2:84:A:MET:HE1	2:72:B:PHE:HD1	1	0.67
(1,213)	2:84:A:MET:HE1	2:72:B:PHE:HD2	1	0.67
(1,213)	2:84:A:MET:HE1	2:72:B:PHE:HD1	7	0.67
(1,213)	2:84:A:MET:HE1	2:72:B:PHE:HD2	7	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,213)	2:84:A:MET:HE1	2:72:B:PHE:HD1	12	0.67
(1,213)	2:84:A:MET:HE1	2:72:B:PHE:HD2	12	0.67
(1,213)	2:84:A:MET:HE1	2:72:B:PHE:HD1	19	0.67
(1,213)	2:84:A:MET:HE1	2:72:B:PHE:HD2	19	0.67
(1,175)	2:85:B:MET:HE1	1:1928:C:PHE:HA	8	0.67
(2,46)	1:1916:C:SER:H	1:1912:C:ARG:HB2	5	0.66
(1,7005)	2:72:A:PHE:HE1	2:13:A:VAL:HG21	10	0.66
(1,7005)	2:72:A:PHE:HE1	2:13:A:VAL:HG21	11	0.66
(1,6951)	2:82:B:ILE:H	1:1917:C:LEU:HD13	2	0.66
(1,6631)	2:4:A:PRO:HA	2:8:B:ALA:H	1	0.66
(1,6631)	2:4:A:PRO:HA	2:8:B:ALA:H	17	0.66
(1,6573)	2:6:B:GLU:HA	2:43:A:PRO:HD3	1	0.66
(1,6537)	2:8:A:ALA:HB2	2:12:B:MET:HG3	12	0.66
(1,6516)	2:9:B:LEU:HD22	2:12:B:MET:HB2	8	0.66
(1,6516)	2:9:B:LEU:HD22	2:12:B:MET:HB2	15	0.66
(1,6475)	2:11:A:VAL:HG13	2:8:B:ALA:HB2	4	0.66
(1,6460)	2:12:A:MET:HE1	2:9:A:LEU:H	18	0.66
(1,6456)	2:12:A:MET:HE1	2:9:A:LEU:HA	12	0.66
(1,6436)	2:12:B:MET:HE2	2:9:B:LEU:HD13	14	0.66
(1,6331)	2:23:B:GLU:HG2	2:30:B:ASN:HD21	8	0.66
(1,6293)	2:26:A:LYS:HG2	2:27:A:PHE:HD2	14	0.66
(1,6270)	2:27:B:PHE:HA	2:75:B:TYR:HD2	10	0.66
(1,6250)	2:28:B:LYS:HB3	2:29:B:LEU:HB2	5	0.66
(1,6240)	2:29:A:LEU:HD11	2:34:A:LEU:HB3	5	0.66
(1,6187)	2:34:A:LEU:HD23	2:36:A:GLU:H	7	0.66
(1,6187)	2:34:A:LEU:HD21	2:36:A:GLU:H	9	0.66
(1,6147)	2:37:B:LEU:HD21	2:15:B:THR:HG22	15	0.66
(1,6104)	2:38:B:LEU:HD22	2:82:B:ILE:HB	2	0.66
(1,6104)	2:38:B:LEU:HD21	2:82:B:ILE:HB	5	0.66
(1,6104)	2:38:B:LEU:HD23	2:82:B:ILE:HB	20	0.66
(1,6066)	2:40:B:ARG:HD3	2:19:B:TYR:HD1	6	0.66
(1,6037)	2:42:A:LEU:HD11	2:3:B:CYS:HB3	2	0.66
(1,6037)	2:42:A:LEU:HD11	2:3:B:CYS:HB3	6	0.66
(1,5994)	2:54:B:ALA:HB1	1:1926:C:LEU:HD11	14	0.66
(1,5804)	2:79:A:LEU:HD22	2:12:B:MET:HE2	9	0.66
(1,5775)	2:83:A:ALA:HB1	2:9:B:LEU:HD22	15	0.66
(1,5752)	2:84:A:MET:HE2	2:86:A:CYS:H	11	0.66
(1,5542)	1:1907:C:ALA:HB1	2:62:A:LEU:HD22	17	0.66
(1,5542)	1:1907:C:ALA:HB2	2:62:A:LEU:HD22	17	0.66
(1,5542)	1:1907:C:ALA:HB3	2:62:A:LEU:HD22	17	0.66
(1,5500)	1:1910:C:MET:HE1	2:73:B:GLN:HA	18	0.66
(1,5497)	1:1910:C:MET:HE3	2:81:A:CYS:HB2	7	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5497)	1:1910:C:MET:HE1	2:81:A:CYS:HB2	16	0.66
(1,4618)	2:77:B:VAL:HB	1:1914:C:VAL:HG12	20	0.66
(1,4180)	2:46:A:LEU:HD23	1:1900:C:LEU:HB3	3	0.66
(1,4162)	2:54:A:ALA:HB1	1:1900:C:LEU:HB3	19	0.66
(1,4026)	2:82:B:ILE:HD12	1:1929:C:VAL:HG21	16	0.66
(1,4026)	2:82:B:ILE:HD12	1:1929:C:VAL:HG22	16	0.66
(1,4026)	2:82:B:ILE:HD12	1:1929:C:VAL:HG23	16	0.66
(1,4018)	2:38:B:LEU:HD21	1:1927:C:PRO:HB2	1	0.66
(1,4018)	2:38:B:LEU:HD22	1:1927:C:PRO:HB2	9	0.66
(1,4013)	2:46:B:LEU:HD23	1:1928:C:PHE:HZ	3	0.66
(1,4013)	2:46:B:LEU:HD23	1:1928:C:PHE:HZ	15	0.66
(1,4002)	2:58:B:LEU:HD13	1:1928:C:PHE:HB2	15	0.66
(1,3963)	2:77:B:VAL:HG23	1:1920:C:LYS:HG3	2	0.66
(1,3919)	2:58:A:LEU:HD12	1:1899:C:GLU:HG3	4	0.66
(1,3919)	2:58:A:LEU:HD13	1:1899:C:GLU:HG3	15	0.66
(1,3908)	2:38:A:LEU:HD13	1:1900:C:LEU:HB3	9	0.66
(1,3803)	2:22:A:LYS:H	2:22:A:LYS:HE2	16	0.66
(1,2733)	2:22:B:LYS:H	2:22:B:LYS:HE2	16	0.66
(1,2570)	2:84:B:MET:HE1	2:72:A:PHE:HZ	16	0.66
(1,2453)	2:8:B:ALA:HB2	2:11:B:VAL:H	18	0.66
(1,2349)	2:11:A:VAL:HG22	2:15:A:THR:HA	11	0.66
(1,2349)	2:11:A:VAL:HG22	2:15:A:THR:HA	12	0.66
(1,2233)	2:13:A:VAL:HG23	2:87:B:ASN:H	7	0.66
(1,1988)	2:31:A:LYS:HD2	2:55:A:PHE:HD1	1	0.66
(1,1961)	2:34:B:LEU:HD23	2:62:B:LEU:HD13	19	0.66
(1,1956)	2:34:B:LEU:HD23	2:38:B:LEU:HB2	6	0.66
(1,1956)	2:34:B:LEU:HD23	2:38:B:LEU:HB2	13	0.66
(1,1956)	2:34:B:LEU:HD22	2:38:B:LEU:HB2	17	0.66
(1,1903)	2:34:A:LEU:HD13	2:55:A:PHE:HE2	19	0.66
(1,1775)	2:37:B:LEU:HD13	2:29:B:LEU:HD12	2	0.66
(1,1708)	2:38:A:LEU:HD21	2:34:A:LEU:HA	5	0.66
(1,1609)	2:42:B:LEU:HD11	2:45:B:PHE:H	15	0.66
(1,1409)	2:49:A:ARG:HD3	2:54:A:ALA:HB1	1	0.66
(1,1362)	2:52:B:GLU:HG2	2:53:B:ALA:HB1	11	0.66
(1,1327)	2:53:B:ALA:HB1	2:56:B:GLN:HB3	13	0.66
(1,1322)	2:53:A:ALA:HB2	2:56:A:GLN:HE22	9	0.66
(1,1290)	2:54:A:ALA:HB3	1:1897:C:GLN:HG2	1	0.66
(1,1156)	2:58:A:LEU:HD23	1:1899:C:GLU:HG3	13	0.66
(1,1139)	2:58:A:LEU:HD12	1:1899:C:GLU:HG3	4	0.66
(1,1139)	2:58:A:LEU:HD13	1:1899:C:GLU:HG3	15	0.66
(1,1125)	2:58:A:LEU:HD12	2:61:A:ASN:HD22	5	0.66
(1,1125)	2:58:A:LEU:HD11	2:61:A:ASN:HD22	17	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1097)	2:59:B:MET:HE2	2:68:B:ASN:HD21	10	0.66
(1,1093)	2:59:B:MET:HE2	2:30:B:ASN:HD22	9	0.66
(1,1093)	2:59:B:MET:HE2	2:30:B:ASN:HD22	13	0.66
(1,1053)	2:59:A:MET:HE3	2:75:A:TYR:HD1	15	0.66
(1,1053)	2:59:A:MET:HE3	2:75:A:TYR:HD2	15	0.66
(1,1052)	2:59:A:MET:HE2	2:62:A:LEU:H	6	0.66
(1,1033)	2:59:A:MET:HE1	2:68:A:ASN:HB2	18	0.66
(1,1030)	2:59:A:MET:HE3	2:70:A:VAL:HG12	9	0.66
(1,944)	2:62:B:LEU:HD21	2:70:B:VAL:HB	3	0.66
(1,583)	2:77:A:VAL:HG22	1:1910:C:MET:HG2	2	0.66
(1,355)	2:82:B:ILE:HG21	2:78:B:PHE:HD1	18	0.66
(1,355)	2:82:B:ILE:HG21	2:78:B:PHE:HD2	18	0.66
(1,252)	2:84:B:MET:HE1	2:72:A:PHE:HD1	1	0.66
(1,252)	2:84:B:MET:HE1	2:72:A:PHE:HD2	1	0.66
(1,246)	2:84:B:MET:HE2	1:1918:C:LYS:HE2	9	0.66
(1,246)	2:84:B:MET:HE2	1:1918:C:LYS:HE2	12	0.66
(1,245)	2:84:B:MET:HE2	2:85:B:MET:HG2	4	0.66
(1,245)	2:84:B:MET:HE2	2:85:B:MET:HG2	15	0.66
(1,243)	2:84:B:MET:HE2	2:85:B:MET:HB2	18	0.66
(1,175)	2:85:B:MET:HE3	1:1928:C:PHE:HA	3	0.66
(1,175)	2:85:B:MET:HE3	1:1928:C:PHE:HA	4	0.66
(1,175)	2:85:B:MET:HE3	1:1928:C:PHE:HA	10	0.66
(1,126)	2:85:A:MET:HE2	1:1898:C:ARG:H	19	0.66
(1,7015)	2:19:B:TYR:HE1	2:36:B:GLU:HB3	1	0.65
(1,6991)	2:27:A:PHE:HD1	2:27:A:PHE:H	16	0.65
(1,6858)	2:2:B:ALA:H	2:7:B:LYS:HB2	12	0.65
(1,6706)	2:23:A:GLU:H	2:26:A:LYS:HA	4	0.65
(1,6631)	2:4:A:PRO:HA	2:8:B:ALA:H	9	0.65
(1,6573)	2:6:B:GLU:HA	2:43:A:PRO:HD3	3	0.65
(1,6535)	2:8:B:ALA:HA	2:11:B:VAL:HB	4	0.65
(1,6524)	2:9:A:LEU:HD12	2:12:A:MET:HA	17	0.65
(1,6487)	2:11:A:VAL:HG12	2:4:B:PRO:HD2	20	0.65
(1,6460)	2:12:A:MET:HE1	2:9:A:LEU:H	17	0.65
(1,6459)	2:12:A:MET:HE3	2:72:A:PHE:HE1	12	0.65
(1,6458)	2:12:A:MET:HE3	2:75:A:TYR:HD1	16	0.65
(1,6456)	2:12:A:MET:HE1	2:9:A:LEU:HA	17	0.65
(1,6453)	2:12:A:MET:HE2	2:76:A:CYS:HB2	10	0.65
(1,6443)	2:12:B:MET:HE2	2:82:A:ILE:H	4	0.65
(1,6442)	2:12:B:MET:HE3	2:75:B:TYR:HD1	15	0.65
(1,6428)	2:13:B:VAL:HG22	2:72:B:PHE:HZ	8	0.65
(1,6427)	2:13:A:VAL:HG21	2:72:A:PHE:HE1	7	0.65
(1,6302)	2:26:B:LYS:HD3	2:25:B:ASP:HA	6	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6293)	2:26:B:LYS:HG2	2:27:B:PHE:HD2	17	0.65
(1,6270)	2:27:B:PHE:HA	2:75:B:TYR:HD2	18	0.65
(1,6242)	2:29:B:LEU:HD11	2:37:B:LEU:HD11	12	0.65
(1,6105)	2:38:B:LEU:HD22	2:58:B:LEU:HD22	10	0.65
(1,6105)	2:38:B:LEU:HD22	2:58:B:LEU:HD22	15	0.65
(1,6104)	2:38:B:LEU:HD21	2:82:B:ILE:HB	4	0.65
(1,6084)	2:38:A:LEU:HD12	2:36:A:GLU:HA	15	0.65
(1,6071)	2:39:B:THR:HG23	2:38:B:LEU:HB3	12	0.65
(1,6048)	2:42:B:LEU:HD22	2:79:B:LEU:HD22	7	0.65
(1,5994)	2:54:B:ALA:HB1	1:1926:C:LEU:HD12	19	0.65
(1,5972)	2:58:B:LEU:HD22	2:62:B:LEU:HD13	4	0.65
(1,5948)	2:59:A:MET:HE3	2:69:A:GLU:H	17	0.65
(1,5899)	2:29:B:LEU:HD21	2:19:B:TYR:HB3	16	0.65
(1,5743)	2:85:B:MET:HE2	1:1918:C:LYS:HE3	13	0.65
(1,5639)	1:1901:C:GLU:HB2	1:1905:C:GLU:HB2	4	0.65
(1,5500)	1:1910:C:MET:HE3	2:73:B:GLN:HA	11	0.65
(1,5500)	1:1910:C:MET:HE3	2:73:B:GLN:HA	13	0.65
(1,5364)	1:1917:C:LEU:HD21	1:1920:C:LYS:HG3	14	0.65
(1,5364)	1:1917:C:LEU:HD22	1:1920:C:LYS:HG3	14	0.65
(1,5364)	1:1917:C:LEU:HD23	1:1920:C:LYS:HG3	14	0.65
(1,5128)	1:1934:C:MET:HE1	2:13:A:VAL:HA	1	0.65
(1,4563)	1:1917:C:LEU:HD21	1:1917:C:LEU:HA	19	0.65
(1,4563)	1:1917:C:LEU:HD22	1:1917:C:LEU:HA	19	0.65
(1,4563)	1:1917:C:LEU:HD23	1:1917:C:LEU:HA	19	0.65
(1,4411)	2:46:B:LEU:HD11	1:1928:C:PHE:HD1	18	0.65
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD21	15	0.65
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD22	15	0.65
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD23	15	0.65
(1,4169)	2:54:B:ALA:HB3	1:1926:C:LEU:HD21	8	0.65
(1,4169)	2:54:B:ALA:HB3	1:1926:C:LEU:HD22	8	0.65
(1,4169)	2:54:B:ALA:HB3	1:1926:C:LEU:HD23	8	0.65
(1,4162)	2:54:A:ALA:HB3	1:1900:C:LEU:HB3	1	0.65
(1,4162)	2:54:A:ALA:HB2	1:1900:C:LEU:HB3	12	0.65
(1,4162)	2:54:A:ALA:HB1	1:1900:C:LEU:HB3	18	0.65
(1,4155)	2:58:A:LEU:HD12	1:1903:C:ALA:H	20	0.65
(1,4028)	2:82:B:ILE:HG21	1:1926:C:LEU:HD11	3	0.65
(1,4028)	2:82:B:ILE:HG21	1:1926:C:LEU:HD12	3	0.65
(1,4028)	2:82:B:ILE:HG21	1:1926:C:LEU:HD13	3	0.65
(1,4013)	2:46:B:LEU:HD23	1:1928:C:PHE:HZ	2	0.65
(1,4002)	2:58:B:LEU:HD13	1:1928:C:PHE:HB2	8	0.65
(1,3985)	2:62:B:LEU:HD21	1:1917:C:LEU:HA	19	0.65
(1,3919)	2:58:A:LEU:HD13	1:1899:C:GLU:HG3	7	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2570)	2:84:B:MET:HE1	2:72:A:PHE:HZ	1	0.65
(1,2517)	2:5:B:LEU:HD23	2:9:B:LEU:HD12	12	0.65
(1,2453)	2:8:B:ALA:HB2	2:11:B:VAL:H	15	0.65
(1,2275)	2:12:B:MET:HE2	2:80:B:SER:HA	18	0.65
(1,1988)	2:31:A:LYS:HD3	2:55:A:PHE:HD2	6	0.65
(1,1956)	2:34:B:LEU:HD23	2:38:B:LEU:HB2	9	0.65
(1,1956)	2:34:B:LEU:HD23	2:38:B:LEU:HB2	16	0.65
(1,1940)	2:34:B:LEU:HD13	2:59:B:MET:H	3	0.65
(1,1940)	2:34:B:LEU:HD13	2:59:B:MET:H	14	0.65
(1,1914)	2:34:A:LEU:HD22	2:31:A:LYS:HA	17	0.65
(1,1854)	2:35:A:LYS:HE2	2:32:A:SER:HA	17	0.65
(1,1327)	2:53:B:ALA:HB3	2:56:B:GLN:HB3	14	0.65
(1,1156)	2:58:A:LEU:HD23	1:1899:C:GLU:HG3	11	0.65
(1,1156)	2:58:A:LEU:HD23	1:1899:C:GLU:HG3	15	0.65
(1,1139)	2:58:A:LEU:HD13	1:1899:C:GLU:HG3	7	0.65
(1,1125)	2:58:A:LEU:HD13	2:61:A:ASN:HD22	10	0.65
(1,1102)	2:59:B:MET:HE3	2:34:B:LEU:H	12	0.65
(1,1096)	2:59:B:MET:HE3	2:75:B:TYR:HD1	9	0.65
(1,1096)	2:59:B:MET:HE3	2:75:B:TYR:HD2	9	0.65
(1,1093)	2:59:B:MET:HE3	2:30:B:ASN:HD22	19	0.65
(1,1073)	2:59:B:MET:HE1	2:34:B:LEU:HD22	16	0.65
(1,1071)	2:59:B:MET:HE3	2:29:B:LEU:HD22	3	0.65
(1,1052)	2:59:A:MET:HE1	2:62:A:LEU:H	5	0.65
(1,1052)	2:59:A:MET:HE2	2:62:A:LEU:H	15	0.65
(1,1041)	2:59:A:MET:HE3	2:55:A:PHE:HD2	9	0.65
(1,944)	2:62:B:LEU:HD21	2:70:B:VAL:HB	6	0.65
(1,944)	2:62:B:LEU:HD22	2:70:B:VAL:HB	8	0.65
(1,785)	2:70:B:VAL:HG22	2:29:B:LEU:HD11	5	0.65
(1,753)	2:70:B:VAL:HG22	2:74:B:GLU:H	1	0.65
(1,583)	2:77:A:VAL:HG22	1:1910:C:MET:HG2	12	0.65
(1,355)	2:82:B:ILE:HG21	2:78:B:PHE:HD1	16	0.65
(1,355)	2:82:B:ILE:HG21	2:78:B:PHE:HD2	16	0.65
(1,252)	2:84:B:MET:HE1	2:72:A:PHE:HD1	15	0.65
(1,252)	2:84:B:MET:HE1	2:72:A:PHE:HD2	15	0.65
(1,245)	2:84:B:MET:HE2	2:85:B:MET:HG2	17	0.65
(1,213)	2:84:A:MET:HE1	2:72:B:PHE:HD1	18	0.65
(1,213)	2:84:A:MET:HE1	2:72:B:PHE:HD2	18	0.65
(1,175)	2:85:B:MET:HE3	1:1928:C:PHE:HA	13	0.65
(1,175)	2:85:B:MET:HE1	1:1928:C:PHE:HA	19	0.65
(1,126)	2:85:A:MET:HE2	1:1898:C:ARG:H	5	0.65
(1,7005)	2:72:A:PHE:HE1	2:13:A:VAL:HG23	15	0.64
(1,7005)	2:72:A:PHE:HE2	2:13:A:VAL:HG23	16	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6858)	2:2:B:ALA:H	2:7:B:LYS:HB2	9	0.64
(1,6858)	2:2:B:ALA:H	2:7:B:LYS:HB2	15	0.64
(1,6619)	2:2:A:ALA:HB3	2:6:A:GLU:H	17	0.64
(1,6618)	2:2:A:ALA:HA	2:7:A:LYS:HE2	16	0.64
(1,6593)	2:5:B:LEU:HD23	2:42:A:LEU:HD13	8	0.64
(1,6574)	2:6:A:GLU:HA	2:41:B:GLU:HB2	1	0.64
(1,6475)	2:11:A:VAL:HG13	2:8:B:ALA:HB3	19	0.64
(1,6461)	2:12:A:MET:HE1	2:13:A:VAL:H	5	0.64
(1,6461)	2:12:A:MET:HE1	2:13:A:VAL:H	10	0.64
(1,6458)	2:12:A:MET:HE3	2:75:A:TYR:HD2	5	0.64
(1,6449)	2:12:A:MET:HE2	2:9:A:LEU:HD12	17	0.64
(1,6448)	2:12:A:MET:HE2	2:9:A:LEU:HD22	17	0.64
(1,6427)	2:13:A:VAL:HG23	2:72:A:PHE:HE2	4	0.64
(1,6427)	2:13:A:VAL:HG21	2:72:A:PHE:HE1	12	0.64
(1,6419)	2:13:A:VAL:HG23	2:91:B:GLU:HB3	7	0.64
(1,6351)	2:22:B:LYS:HD2	2:22:B:LYS:H	14	0.64
(1,6286)	2:26:A:LYS:HB3	2:27:A:PHE:HD2	20	0.64
(1,6270)	2:27:B:PHE:HA	2:75:B:TYR:HD2	13	0.64
(1,6242)	2:29:B:LEU:HD11	2:37:B:LEU:HD12	13	0.64
(1,6138)	2:37:A:LEU:HD12	2:29:A:LEU:HD12	14	0.64
(1,6105)	2:38:B:LEU:HD23	2:58:B:LEU:HD22	6	0.64
(1,6048)	2:42:B:LEU:HD23	2:79:B:LEU:HD22	19	0.64
(1,6038)	2:42:A:LEU:HD11	2:6:B:GLU:HA	1	0.64
(1,6020)	2:46:A:LEU:HD23	1:1900:C:LEU:HG	17	0.64
(1,6010)	2:49:B:ARG:HD2	2:35:B:LYS:HD2	9	0.64
(1,5994)	2:54:B:ALA:HB2	1:1926:C:LEU:HD13	13	0.64
(1,5974)	2:58:B:LEU:HD23	1:1928:C:PHE:HB2	6	0.64
(1,5972)	2:58:B:LEU:HD22	2:62:B:LEU:HD13	16	0.64
(1,5948)	2:59:A:MET:HE3	2:69:A:GLU:H	10	0.64
(1,5768)	2:83:B:ALA:HB1	2:79:B:LEU:HA	10	0.64
(1,5761)	2:83:A:ALA:HB3	2:80:A:SER:H	4	0.64
(1,5744)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	6	0.64
(1,5742)	2:85:B:MET:HE1	1:1926:C:LEU:HD12	9	0.64
(1,5657)	1:1900:C:LEU:HD12	2:46:A:LEU:HA	3	0.64
(1,5542)	1:1907:C:ALA:HB1	2:62:A:LEU:HD22	1	0.64
(1,5542)	1:1907:C:ALA:HB2	2:62:A:LEU:HD22	1	0.64
(1,5542)	1:1907:C:ALA:HB3	2:62:A:LEU:HD22	1	0.64
(1,5500)	1:1910:C:MET:HE3	2:73:B:GLN:HA	15	0.64
(1,5400)	1:1914:C:VAL:HG23	2:76:A:CYS:HB3	2	0.64
(1,5357)	1:1917:C:LEU:HD11	2:78:B:PHE:HB3	19	0.64
(1,5357)	1:1917:C:LEU:HD12	2:78:B:PHE:HB3	19	0.64
(1,5357)	1:1917:C:LEU:HD13	2:78:B:PHE:HB3	19	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4180)	2:46:A:LEU:HD22	1:1900:C:LEU:HB3	8	0.64
(1,4162)	2:54:A:ALA:HB1	1:1900:C:LEU:HB3	5	0.64
(1,4162)	2:54:A:ALA:HB1	1:1900:C:LEU:HB3	17	0.64
(1,4125)	2:76:A:CYS:HB3	1:1910:C:MET:HG2	5	0.64
(1,4125)	2:76:A:CYS:HB3	1:1910:C:MET:HG2	20	0.64
(1,4121)	2:77:B:VAL:HG12	1:1913:C:GLU:H	8	0.64
(1,4061)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	6	0.64
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG11	13	0.64
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG12	13	0.64
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG13	13	0.64
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG11	14	0.64
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG12	14	0.64
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG13	14	0.64
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG11	19	0.64
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG12	19	0.64
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG13	19	0.64
(1,4002)	2:58:B:LEU:HD13	1:1928:C:PHE:HB2	7	0.64
(1,3985)	2:62:B:LEU:HD21	1:1917:C:LEU:HA	17	0.64
(1,3803)	2:22:A:LYS:H	2:22:A:LYS:HE2	17	0.64
(1,2988)	2:61:A:ASN:H	2:62:A:LEU:HD21	6	0.64
(1,2733)	2:22:B:LYS:H	2:22:B:LYS:HE2	17	0.64
(1,2570)	2:84:B:MET:HE1	2:72:A:PHE:HZ	20	0.64
(1,2453)	2:8:B:ALA:HB2	2:11:B:VAL:H	11	0.64
(1,2452)	2:8:B:ALA:HB1	2:12:B:MET:H	3	0.64
(1,2451)	2:8:A:ALA:HB1	2:12:A:MET:H	3	0.64
(1,2233)	2:13:A:VAL:HG23	2:87:B:ASN:H	6	0.64
(1,2031)	2:29:A:LEU:HD12	2:37:A:LEU:HD12	14	0.64
(1,1956)	2:34:B:LEU:HD23	2:38:B:LEU:HB2	12	0.64
(1,1956)	2:34:B:LEU:HD23	2:38:B:LEU:HB2	15	0.64
(1,1951)	2:34:B:LEU:HD22	2:31:B:LYS:HA	2	0.64
(1,1918)	2:34:A:LEU:HD23	2:33:A:GLU:H	4	0.64
(1,1918)	2:34:A:LEU:HD21	2:33:A:GLU:H	10	0.64
(1,1918)	2:34:A:LEU:HD23	2:33:A:GLU:H	11	0.64
(1,1918)	2:34:A:LEU:HD21	2:33:A:GLU:H	19	0.64
(1,1914)	2:34:A:LEU:HD22	2:31:A:LYS:HA	2	0.64
(1,1754)	2:38:B:LEU:HD12	2:34:B:LEU:HG	15	0.64
(1,1712)	2:38:A:LEU:HD12	2:46:A:LEU:HB3	9	0.64
(1,1290)	2:54:A:ALA:HB2	1:1897:C:GLN:HG2	5	0.64
(1,1096)	2:59:B:MET:HE3	2:75:B:TYR:HD1	11	0.64
(1,1096)	2:59:B:MET:HE3	2:75:B:TYR:HD2	11	0.64
(1,1096)	2:59:B:MET:HE1	2:75:B:TYR:HD1	19	0.64
(1,1096)	2:59:B:MET:HE1	2:75:B:TYR:HD2	19	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1093)	2:59:B:MET:HE2	2:30:B:ASN:HD22	11	0.64
(1,1092)	2:59:B:MET:HE1	2:61:B:ASN:H	7	0.64
(1,1072)	2:59:B:MET:HE3	2:29:B:LEU:HD11	1	0.64
(1,1072)	2:59:B:MET:HE1	2:29:B:LEU:HD11	2	0.64
(1,1072)	2:59:B:MET:HE3	2:29:B:LEU:HD11	11	0.64
(1,1070)	2:59:B:MET:HE1	2:62:B:LEU:HD21	4	0.64
(1,1052)	2:59:A:MET:HE3	2:62:A:LEU:H	19	0.64
(1,961)	2:62:B:LEU:HD23	2:78:B:PHE:H	16	0.64
(1,590)	2:77:B:VAL:HG12	1:1913:C:GLU:H	8	0.64
(1,355)	2:82:B:ILE:HG22	2:78:B:PHE:HD1	6	0.64
(1,355)	2:82:B:ILE:HG22	2:78:B:PHE:HD2	6	0.64
(1,245)	2:84:B:MET:HE2	2:85:B:MET:HG2	7	0.64
(1,245)	2:84:B:MET:HE2	2:85:B:MET:HG2	14	0.64
(1,175)	2:85:B:MET:HE3	1:1928:C:PHE:HA	20	0.64
(1,6631)	2:4:A:PRO:HA	2:8:B:ALA:H	5	0.63
(1,6593)	2:5:B:LEU:HD23	2:42:A:LEU:HD13	16	0.63
(1,6574)	2:6:A:GLU:HA	2:41:B:GLU:HB2	3	0.63
(1,6573)	2:6:B:GLU:HA	2:43:A:PRO:HD3	10	0.63
(1,6535)	2:8:A:ALA:HA	2:11:A:VAL:HB	18	0.63
(1,6517)	2:9:A:LEU:HD23	2:12:A:MET:HB2	6	0.63
(1,6457)	2:12:A:MET:HE1	2:8:A:ALA:HA	10	0.63
(1,6455)	2:12:A:MET:HE2	2:76:A:CYS:HA	4	0.63
(1,6448)	2:12:A:MET:HE2	2:9:A:LEU:HD22	12	0.63
(1,6443)	2:12:B:MET:HE2	2:82:A:ILE:H	10	0.63
(1,6440)	2:12:B:MET:HE1	2:9:B:LEU:HA	8	0.63
(1,6242)	2:29:B:LEU:HD11	2:37:B:LEU:HD12	8	0.63
(1,6187)	2:34:A:LEU:HD21	2:36:A:GLU:H	6	0.63
(1,6187)	2:34:A:LEU:HD21	2:36:A:GLU:H	12	0.63
(1,6175)	2:34:A:LEU:HD11	2:78:A:PHE:HB3	11	0.63
(1,6147)	2:37:A:LEU:HD23	2:15:A:THR:HG23	16	0.63
(1,6130)	2:37:A:LEU:HD12	2:19:A:TYR:HE1	3	0.63
(1,6105)	2:38:B:LEU:HD21	2:58:B:LEU:HD22	17	0.63
(1,6104)	2:38:B:LEU:HD21	2:82:B:ILE:HB	15	0.63
(1,6067)	2:40:A:ARG:HD3	2:19:A:TYR:HE1	5	0.63
(1,6041)	2:42:A:LEU:HD11	2:39:A:THR:H	19	0.63
(1,6019)	2:46:A:LEU:HD22	2:55:A:PHE:HA	3	0.63
(1,6019)	2:46:A:LEU:HD22	2:55:A:PHE:HA	4	0.63
(1,5971)	2:58:B:LEU:HD11	1:1921:C:LEU:HB2	3	0.63
(1,5897)	2:62:A:LEU:HD21	2:59:A:MET:HE1	17	0.63
(1,5779)	2:82:A:ILE:HG22	2:42:A:LEU:HD12	19	0.63
(1,5744)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	5	0.63
(1,5744)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	11	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5742)	2:85:B:MET:HE1	1:1926:C:LEU:HD13	18	0.63
(1,5741)	2:85:A:MET:HE2	2:58:A:LEU:HD23	15	0.63
(1,5497)	1:1910:C:MET:HE1	2:81:A:CYS:HB2	4	0.63
(1,5360)	1:1917:C:LEU:HD21	1:1918:C:LYS:HE2	7	0.63
(1,5360)	1:1917:C:LEU:HD22	1:1918:C:LYS:HE2	7	0.63
(1,5360)	1:1917:C:LEU:HD23	1:1918:C:LYS:HE2	7	0.63
(1,4572)	1:1920:C:LYS:HG3	1:1917:C:LEU:HA	20	0.63
(1,4125)	2:76:A:CYS:HB3	1:1910:C:MET:HG2	13	0.63
(1,4061)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	5	0.63
(1,4061)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	11	0.63
(1,4056)	2:85:B:MET:HE2	1:1922:C:ARG:HG2	16	0.63
(1,4018)	2:38:B:LEU:HD22	1:1927:C:PRO:HB2	12	0.63
(1,4018)	2:38:B:LEU:HD21	1:1927:C:PRO:HB2	17	0.63
(1,3919)	2:58:A:LEU:HD12	1:1899:C:GLU:HG3	2	0.63
(1,3919)	2:58:A:LEU:HD13	1:1899:C:GLU:HG3	12	0.63
(1,3716)	2:89:B:PHE:H	2:101:B:LYS:HG2	16	0.63
(1,2889)	2:49:A:ARG:H	2:54:A:ALA:HB2	13	0.63
(1,2570)	2:84:B:MET:HE1	2:72:A:PHE:HZ	6	0.63
(1,2570)	2:84:B:MET:HE1	2:72:A:PHE:HZ	19	0.63
(1,2275)	2:12:B:MET:HE2	2:80:B:SER:HA	8	0.63
(1,2233)	2:13:A:VAL:HG23	2:87:B:ASN:H	12	0.63
(1,1961)	2:34:B:LEU:HD22	2:62:B:LEU:HD13	14	0.63
(1,1958)	2:34:B:LEU:HD21	2:70:B:VAL:HG13	17	0.63
(1,1918)	2:34:A:LEU:HD21	2:33:A:GLU:H	9	0.63
(1,1918)	2:34:A:LEU:HD21	2:33:A:GLU:H	13	0.63
(1,1754)	2:38:B:LEU:HD12	2:34:B:LEU:HG	13	0.63
(1,1754)	2:38:B:LEU:HD13	2:34:B:LEU:HG	14	0.63
(1,1652)	2:39:A:THR:HB	2:36:A:GLU:HB2	20	0.63
(1,1563)	2:42:A:LEU:HD12	2:34:A:LEU:HA	9	0.63
(1,1563)	2:42:A:LEU:HD12	2:34:A:LEU:HA	20	0.63
(1,1544)	2:42:A:LEU:HD12	2:82:A:ILE:HG22	4	0.63
(1,1408)	2:49:A:ARG:HD2	2:54:A:ALA:HB1	3	0.63
(1,1408)	2:49:A:ARG:HD2	2:54:A:ALA:HB3	15	0.63
(1,1408)	2:49:A:ARG:HD2	2:54:A:ALA:HB2	18	0.63
(1,1347)	2:52:A:GLU:HG2	2:35:A:LYS:HD2	1	0.63
(1,1345)	2:52:A:GLU:HG2	2:55:A:PHE:HB3	2	0.63
(1,1317)	2:53:A:ALA:HB2	2:52:A:GLU:HG2	12	0.63
(1,1156)	2:58:A:LEU:HD22	1:1899:C:GLU:HG3	16	0.63
(1,1155)	2:58:A:LEU:HD23	2:85:A:MET:HE2	15	0.63
(1,1139)	2:58:A:LEU:HD12	1:1899:C:GLU:HG3	2	0.63
(1,1139)	2:58:A:LEU:HD13	1:1899:C:GLU:HG3	12	0.63
(1,1096)	2:59:B:MET:HE3	2:75:B:TYR:HD1	15	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1096)	2:59:B:MET:HE3	2:75:B:TYR:HD2	15	0.63
(1,1093)	2:59:B:MET:HE2	2:30:B:ASN:HD22	15	0.63
(1,1046)	2:59:A:MET:HE2	2:67:A:ASP:H	3	0.63
(1,961)	2:62:B:LEU:HD23	2:78:B:PHE:H	10	0.63
(1,961)	2:62:B:LEU:HD23	2:78:B:PHE:H	17	0.63
(1,944)	2:62:B:LEU:HD21	2:70:B:VAL:HB	13	0.63
(1,900)	2:62:A:LEU:HD13	2:61:A:ASN:HB3	13	0.63
(1,577)	2:46:B:LEU:HD23	2:43:B:PRO:HB2	1	0.63
(1,376)	2:82:B:ILE:HG21	1:1929:C:VAL:HG11	3	0.63
(1,376)	2:82:B:ILE:HG21	1:1929:C:VAL:HG12	3	0.63
(1,376)	2:82:B:ILE:HG21	1:1929:C:VAL:HG13	3	0.63
(1,355)	2:82:B:ILE:HG22	2:78:B:PHE:HD1	4	0.63
(1,355)	2:82:B:ILE:HG22	2:78:B:PHE:HD2	4	0.63
(1,355)	2:82:B:ILE:HG23	2:78:B:PHE:HD1	15	0.63
(1,355)	2:82:B:ILE:HG23	2:78:B:PHE:HD2	15	0.63
(1,355)	2:82:B:ILE:HG21	2:78:B:PHE:HD1	20	0.63
(1,355)	2:82:B:ILE:HG21	2:78:B:PHE:HD2	20	0.63
(1,245)	2:84:B:MET:HE2	2:85:B:MET:HG2	2	0.63
(1,169)	2:85:B:MET:HE1	1:1922:C:ARG:HD3	1	0.63
(1,6991)	2:27:A:PHE:HD2	2:27:A:PHE:H	20	0.62
(1,6858)	2:2:B:ALA:H	2:7:B:LYS:HB2	16	0.62
(1,6771)	2:28:A:LYS:H	2:17:A:HIS:HA	16	0.62
(1,6593)	2:5:B:LEU:HD23	2:42:A:LEU:HD13	12	0.62
(1,6535)	2:8:B:ALA:HA	2:11:B:VAL:HB	20	0.62
(1,6460)	2:12:A:MET:HE1	2:9:A:LEU:H	14	0.62
(1,6455)	2:12:A:MET:HE2	2:76:A:CYS:HA	19	0.62
(1,6440)	2:12:B:MET:HE1	2:9:B:LEU:HA	18	0.62
(1,6260)	2:28:A:LYS:HD3	2:25:A:ASP:HB3	3	0.62
(1,6187)	2:34:A:LEU:HD21	2:36:A:GLU:H	15	0.62
(1,6187)	2:34:A:LEU:HD21	2:36:A:GLU:H	18	0.62
(1,6175)	2:34:A:LEU:HD11	2:78:A:PHE:HB3	16	0.62
(1,6066)	2:40:B:ARG:HD3	2:19:B:TYR:HD2	7	0.62
(1,6033)	2:42:A:LEU:HD12	2:37:A:LEU:HA	13	0.62
(1,6020)	2:46:A:LEU:HD23	1:1900:C:LEU:HG	12	0.62
(1,5984)	2:54:A:ALA:HB3	1:1898:C:ARG:HB2	10	0.62
(1,5925)	2:62:B:LEU:HD13	2:58:B:LEU:HG	19	0.62
(1,5804)	2:79:A:LEU:HD22	2:12:B:MET:HE2	8	0.62
(1,5768)	2:83:B:ALA:HB1	2:79:B:LEU:HA	4	0.62
(1,5768)	2:83:B:ALA:HB1	2:79:B:LEU:HA	6	0.62
(1,5500)	1:1910:C:MET:HE3	2:73:B:GLN:HA	8	0.62
(1,5482)	1:1910:C:MET:HG3	2:73:B:GLN:HB3	2	0.62
(1,4690)	1:1914:C:VAL:HG21	1:1915:C:SER:HB2	6	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4690)	1:1914:C:VAL:HG23	1:1915:C:SER:HB2	15	0.62
(1,4412)	2:38:B:LEU:HD23	1:1928:C:PHE:HD1	19	0.62
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD21	14	0.62
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD22	14	0.62
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD23	14	0.62
(1,4162)	2:54:A:ALA:HB3	1:1900:C:LEU:HB3	16	0.62
(1,4120)	2:77:B:VAL:HG13	1:1917:C:LEU:H	10	0.62
(1,4028)	2:82:B:ILE:HG21	1:1926:C:LEU:HD11	19	0.62
(1,4028)	2:82:B:ILE:HG21	1:1926:C:LEU:HD12	19	0.62
(1,4028)	2:82:B:ILE:HG21	1:1926:C:LEU:HD13	19	0.62
(1,4026)	2:82:B:ILE:HD12	1:1929:C:VAL:HG21	10	0.62
(1,4026)	2:82:B:ILE:HD12	1:1929:C:VAL:HG22	10	0.62
(1,4026)	2:82:B:ILE:HD12	1:1929:C:VAL:HG23	10	0.62
(1,4019)	2:38:B:LEU:HD13	1:1928:C:PHE:HD2	11	0.62
(1,4018)	2:38:B:LEU:HD21	1:1927:C:PRO:HB2	20	0.62
(1,3985)	2:62:B:LEU:HD21	1:1917:C:LEU:HA	7	0.62
(1,3931)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	3	0.62
(1,3919)	2:58:A:LEU:HD11	1:1899:C:GLU:HG3	16	0.62
(1,3909)	2:38:A:LEU:HD12	1:1900:C:LEU:HB2	17	0.62
(1,3908)	2:38:A:LEU:HD12	1:1900:C:LEU:HB3	14	0.62
(1,2889)	2:49:A:ARG:H	2:54:A:ALA:HB3	11	0.62
(1,2453)	2:8:B:ALA:HB1	2:11:B:VAL:H	14	0.62
(1,1918)	2:34:A:LEU:HD21	2:33:A:GLU:H	18	0.62
(1,1821)	2:36:B:GLU:HG3	2:40:B:ARG:HD3	11	0.62
(1,1754)	2:38:B:LEU:HD11	2:34:B:LEU:HG	20	0.62
(1,1609)	2:42:B:LEU:HD11	2:45:B:PHE:H	3	0.62
(1,1543)	2:42:A:LEU:HD13	2:82:A:ILE:HD12	6	0.62
(1,1361)	2:52:B:GLU:HG3	2:51:B:ASP:HB2	12	0.62
(1,1347)	2:52:A:GLU:HG2	2:35:A:LYS:HD3	15	0.62
(1,1345)	2:52:A:GLU:HG3	2:55:A:PHE:HB3	16	0.62
(1,1332)	2:53:B:ALA:HB3	2:56:B:GLN:H	9	0.62
(1,1332)	2:53:B:ALA:HB1	2:56:B:GLN:H	13	0.62
(1,1332)	2:53:B:ALA:HB2	2:56:B:GLN:H	20	0.62
(1,1157)	2:58:A:LEU:HD23	2:45:A:PHE:HB3	10	0.62
(1,1157)	2:58:A:LEU:HD23	2:45:A:PHE:HB3	13	0.62
(1,1139)	2:58:A:LEU:HD11	1:1899:C:GLU:HG3	16	0.62
(1,1125)	2:58:A:LEU:HD13	2:61:A:ASN:HD22	1	0.62
(1,1125)	2:58:A:LEU:HD11	2:61:A:ASN:HD22	4	0.62
(1,1098)	2:59:B:MET:HE1	2:62:B:LEU:H	10	0.62
(1,1093)	2:59:B:MET:HE2	2:30:B:ASN:HD22	3	0.62
(1,1092)	2:59:B:MET:HE2	2:61:B:ASN:H	16	0.62
(1,1052)	2:59:A:MET:HE1	2:62:A:LEU:H	11	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1033)	2:59:A:MET:HE1	2:68:A:ASN:HB2	16	0.62
(1,783)	2:70:B:VAL:HG12	2:62:B:LEU:HD21	5	0.62
(1,584)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	3	0.62
(1,583)	2:77:A:VAL:HG22	1:1910:C:MET:HG2	13	0.62
(1,558)	2:77:A:VAL:HG22	1:1910:C:MET:H	7	0.62
(1,355)	2:82:B:ILE:HG22	2:78:B:PHE:HD1	12	0.62
(1,355)	2:82:B:ILE:HG22	2:78:B:PHE:HD2	12	0.62
(1,246)	2:84:B:MET:HE2	1:1918:C:LYS:HE3	4	0.62
(1,213)	2:84:A:MET:HE1	2:72:B:PHE:HD1	2	0.62
(1,213)	2:84:A:MET:HE1	2:72:B:PHE:HD2	2	0.62
(1,6993)	2:72:B:PHE:HZ	2:83:A:ALA:HB2	5	0.61
(1,6993)	2:72:B:PHE:HZ	2:83:A:ALA:HB1	17	0.61
(1,6858)	2:2:B:ALA:H	2:7:B:LYS:HB2	1	0.61
(1,6847)	2:83:A:ALA:H	2:45:A:PHE:HE1	20	0.61
(1,6619)	2:2:A:ALA:HB2	2:6:A:GLU:H	20	0.61
(1,6535)	2:8:B:ALA:HA	2:11:B:VAL:HB	7	0.61
(1,6535)	2:8:B:ALA:HA	2:11:B:VAL:HB	10	0.61
(1,6535)	2:8:B:ALA:HA	2:11:B:VAL:HB	16	0.61
(1,6516)	2:9:B:LEU:HD22	2:12:B:MET:HG3	18	0.61
(1,6461)	2:12:A:MET:HE3	2:76:A:CYS:H	1	0.61
(1,6460)	2:12:A:MET:HE1	2:9:A:LEU:H	1	0.61
(1,6460)	2:12:A:MET:HE1	2:9:A:LEU:H	3	0.61
(1,6457)	2:12:A:MET:HE1	2:8:A:ALA:HA	19	0.61
(1,6450)	2:12:A:MET:HE1	2:11:A:VAL:HG23	2	0.61
(1,6440)	2:12:B:MET:HE1	2:9:B:LEU:HA	3	0.61
(1,6437)	2:12:B:MET:HE2	2:79:A:LEU:HB3	10	0.61
(1,6436)	2:12:B:MET:HE2	2:9:B:LEU:HD12	9	0.61
(1,6355)	2:22:B:LYS:HD2	2:19:B:TYR:HE1	5	0.61
(1,6331)	2:23:A:GLU:HG2	2:30:A:ASN:HD21	7	0.61
(1,6270)	2:27:B:PHE:HA	2:75:B:TYR:HD2	17	0.61
(1,6244)	2:29:B:LEU:HD13	2:34:B:LEU:HB3	10	0.61
(1,6240)	2:29:A:LEU:HD13	2:34:A:LEU:HB3	10	0.61
(1,6187)	2:34:A:LEU:HD21	2:36:A:GLU:H	13	0.61
(1,6067)	2:40:B:ARG:HD3	2:19:B:TYR:HE1	19	0.61
(1,6066)	2:40:B:ARG:HD3	2:19:B:TYR:HD1	4	0.61
(1,6038)	2:42:A:LEU:HD11	2:6:B:GLU:HA	12	0.61
(1,6038)	2:42:A:LEU:HD11	2:6:B:GLU:HA	16	0.61
(1,6020)	2:46:A:LEU:HD21	1:1900:C:LEU:HG	20	0.61
(1,5987)	2:54:B:ALA:HB3	1:1926:C:LEU:HD21	12	0.61
(1,5948)	2:59:A:MET:HE2	2:69:A:GLU:H	9	0.61
(1,5925)	2:62:B:LEU:HD13	2:58:B:LEU:HG	13	0.61
(1,5792)	2:82:B:ILE:HD12	1:1921:C:LEU:HD12	7	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5747)	2:85:B:MET:HE1	2:61:B:ASN:HD21	13	0.61
(1,5742)	2:85:B:MET:HE1	1:1926:C:LEU:HD13	3	0.61
(1,5657)	1:1900:C:LEU:HD13	2:46:A:LEU:HA	2	0.61
(1,5630)	1:1903:C:ALA:HB1	2:9:B:LEU:HD11	10	0.61
(1,5630)	1:1903:C:ALA:HB2	2:9:B:LEU:HD11	10	0.61
(1,5630)	1:1903:C:ALA:HB3	2:9:B:LEU:HD11	10	0.61
(1,5500)	1:1910:C:MET:HE1	2:73:B:GLN:HA	7	0.61
(1,5500)	1:1910:C:MET:HE3	2:73:B:GLN:HA	10	0.61
(1,5177)	1:1929:C:VAL:HG21	1:1928:C:PHE:HA	5	0.61
(1,5177)	1:1929:C:VAL:HG22	1:1928:C:PHE:HA	5	0.61
(1,5177)	1:1929:C:VAL:HG23	1:1928:C:PHE:HA	5	0.61
(1,5120)	1:1934:C:MET:HE1	2:9:A:LEU:HD12	16	0.61
(1,5120)	1:1934:C:MET:HE2	2:9:A:LEU:HD12	16	0.61
(1,5120)	1:1934:C:MET:HE3	2:9:A:LEU:HD12	16	0.61
(1,4846)	1:1926:C:LEU:H	2:54:B:ALA:HA	13	0.61
(1,4563)	1:1917:C:LEU:HD21	1:1917:C:LEU:HA	10	0.61
(1,4563)	1:1917:C:LEU:HD22	1:1917:C:LEU:HA	10	0.61
(1,4563)	1:1917:C:LEU:HD23	1:1917:C:LEU:HA	10	0.61
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD21	3	0.61
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD22	3	0.61
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD23	3	0.61
(1,4169)	2:54:B:ALA:HB3	1:1926:C:LEU:HD21	7	0.61
(1,4169)	2:54:B:ALA:HB3	1:1926:C:LEU:HD22	7	0.61
(1,4169)	2:54:B:ALA:HB3	1:1926:C:LEU:HD23	7	0.61
(1,4120)	2:77:B:VAL:HG11	1:1917:C:LEU:H	12	0.61
(1,4088)	2:84:B:MET:HE3	1:1913:C:GLU:HG3	12	0.61
(1,4054)	2:85:B:MET:HE1	1:1921:C:LEU:HD11	3	0.61
(1,4054)	2:85:B:MET:HE1	1:1921:C:LEU:HD12	3	0.61
(1,4054)	2:85:B:MET:HE1	1:1921:C:LEU:HD13	3	0.61
(1,4054)	2:85:B:MET:HE2	1:1921:C:LEU:HD11	16	0.61
(1,4054)	2:85:B:MET:HE2	1:1921:C:LEU:HD12	16	0.61
(1,4054)	2:85:B:MET:HE2	1:1921:C:LEU:HD13	16	0.61
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG11	2	0.61
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG12	2	0.61
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG13	2	0.61
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG11	11	0.61
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG12	11	0.61
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG13	11	0.61
(1,4019)	2:38:B:LEU:HD12	1:1928:C:PHE:HD2	19	0.61
(1,3985)	2:62:B:LEU:HD23	1:1917:C:LEU:HA	4	0.61
(1,3919)	2:58:A:LEU:HD11	1:1899:C:GLU:HG3	1	0.61
(1,3919)	2:58:A:LEU:HD13	1:1899:C:GLU:HG3	5	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3919)	2:58:A:LEU:HD12	1:1899:C:GLU:HG3	17	0.61
(1,3908)	2:38:A:LEU:HD12	1:1900:C:LEU:HB3	6	0.61
(1,3809)	2:18:A:LYS:H	2:18:A:LYS:HE3	18	0.61
(1,3787)	2:28:A:LYS:H	2:28:A:LYS:HE2	13	0.61
(1,2570)	2:84:B:MET:HE1	2:72:A:PHE:HZ	2	0.61
(1,2570)	2:84:B:MET:HE1	2:72:A:PHE:HZ	3	0.61
(1,2570)	2:84:B:MET:HE1	2:72:A:PHE:HZ	13	0.61
(1,2517)	2:5:B:LEU:HD21	2:9:B:LEU:HD12	5	0.61
(1,2453)	2:8:B:ALA:HB2	2:11:B:VAL:H	5	0.61
(1,2281)	2:12:B:MET:HE3	2:76:B:CYS:H	18	0.61
(1,2238)	2:13:A:VAL:HG21	2:17:A:HIS:HD2	18	0.61
(1,2233)	2:13:A:VAL:HG23	2:87:B:ASN:H	14	0.61
(1,1951)	2:34:B:LEU:HD23	2:31:B:LYS:HA	13	0.61
(1,1940)	2:34:B:LEU:HD13	2:59:B:MET:H	18	0.61
(1,1918)	2:34:A:LEU:HD23	2:33:A:GLU:H	3	0.61
(1,1918)	2:34:A:LEU:HD23	2:33:A:GLU:H	14	0.61
(1,1854)	2:35:A:LYS:HE2	2:32:A:SER:HA	16	0.61
(1,1775)	2:37:B:LEU:HD12	2:29:B:LEU:HD12	14	0.61
(1,1774)	2:37:B:LEU:HD11	2:16:B:PHE:HA	5	0.61
(1,1754)	2:38:B:LEU:HD12	2:34:B:LEU:HG	4	0.61
(1,1695)	2:38:A:LEU:HD11	2:42:A:LEU:H	10	0.61
(1,1661)	2:39:A:THR:HG23	2:55:A:PHE:HE1	19	0.61
(1,1652)	2:39:A:THR:HB	2:36:A:GLU:HB3	13	0.61
(1,1609)	2:42:B:LEU:HD11	2:45:B:PHE:H	4	0.61
(1,1563)	2:42:A:LEU:HD12	2:34:A:LEU:HA	10	0.61
(1,1543)	2:42:A:LEU:HD13	2:82:A:ILE:HD13	1	0.61
(1,1407)	2:49:A:ARG:HG2	2:54:A:ALA:HB2	18	0.61
(1,1327)	2:53:B:ALA:HB3	2:56:B:GLN:HB3	19	0.61
(1,1139)	2:58:A:LEU:HD11	1:1899:C:GLU:HG3	1	0.61
(1,1139)	2:58:A:LEU:HD13	1:1899:C:GLU:HG3	5	0.61
(1,1139)	2:58:A:LEU:HD12	1:1899:C:GLU:HG3	17	0.61
(1,1107)	2:59:B:MET:HE3	2:71:B:ASP:H	17	0.61
(1,1093)	2:59:B:MET:HE3	2:30:B:ASN:HD22	14	0.61
(1,1093)	2:59:B:MET:HE2	2:30:B:ASN:HD22	18	0.61
(1,1052)	2:59:A:MET:HE3	2:62:A:LEU:H	2	0.61
(1,1052)	2:59:A:MET:HE2	2:62:A:LEU:H	12	0.61
(1,1041)	2:59:A:MET:HE3	2:55:A:PHE:HD1	15	0.61
(1,744)	2:70:A:VAL:HG21	2:75:A:TYR:H	10	0.61
(1,558)	2:77:A:VAL:HG22	1:1910:C:MET:H	14	0.61
(1,558)	2:77:A:VAL:HG22	1:1910:C:MET:H	15	0.61
(1,383)	2:82:B:ILE:HD11	2:85:B:MET:HE3	1	0.61
(1,383)	2:82:B:ILE:HD11	2:85:B:MET:HE3	6	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,383)	2:82:B:ILE:HD11	2:85:B:MET:HE3	12	0.61
(1,376)	2:82:B:ILE:HG23	1:1929:C:VAL:HG11	16	0.61
(1,376)	2:82:B:ILE:HG23	1:1929:C:VAL:HG12	16	0.61
(1,376)	2:82:B:ILE:HG23	1:1929:C:VAL:HG13	16	0.61
(1,175)	2:85:B:MET:HE3	1:1928:C:PHE:HA	2	0.61
(1,7005)	2:72:A:PHE:HE2	2:13:A:VAL:HG21	1	0.6
(1,6968)	2:17:A:HIS:H	2:26:A:LYS:HE2	7	0.6
(1,6858)	2:2:B:ALA:H	2:7:B:LYS:HB2	17	0.6
(1,6858)	2:2:B:ALA:H	2:7:B:LYS:HB2	20	0.6
(1,6790)	2:41:A:GLU:H	2:19:A:TYR:HE1	2	0.6
(1,6631)	2:4:A:PRO:HA	2:8:B:ALA:H	12	0.6
(1,6593)	2:5:B:LEU:HD23	2:37:A:LEU:HD22	13	0.6
(1,6573)	2:6:B:GLU:HA	2:43:A:PRO:HD3	18	0.6
(1,6537)	2:8:A:ALA:HB3	2:12:B:MET:HG3	8	0.6
(1,6535)	2:8:B:ALA:HA	2:11:B:VAL:HB	1	0.6
(1,6535)	2:8:B:ALA:HA	2:11:B:VAL:HB	6	0.6
(1,6535)	2:8:B:ALA:HA	2:11:B:VAL:HB	13	0.6
(1,6516)	2:9:B:LEU:HD23	2:12:B:MET:HG3	3	0.6
(1,6516)	2:9:B:LEU:HD23	2:12:B:MET:HG3	14	0.6
(1,6509)	2:9:B:LEU:HD12	2:6:B:GLU:HA	10	0.6
(1,6509)	2:9:B:LEU:HD13	2:6:B:GLU:HA	14	0.6
(1,6509)	2:9:B:LEU:HD11	2:6:B:GLU:HA	18	0.6
(1,6487)	2:11:A:VAL:HG12	2:4:B:PRO:HD2	15	0.6
(1,6450)	2:12:A:MET:HE1	2:11:A:VAL:HG23	9	0.6
(1,6450)	2:12:A:MET:HE1	2:11:A:VAL:HG21	17	0.6
(1,6440)	2:12:B:MET:HE1	2:9:B:LEU:HA	15	0.6
(1,6436)	2:12:B:MET:HE2	2:9:B:LEU:HD13	8	0.6
(1,6250)	2:28:B:LYS:HB3	2:69:B:GLU:HG2	4	0.6
(1,6242)	2:29:B:LEU:HD12	2:37:B:LEU:HD11	5	0.6
(1,6197)	2:33:A:GLU:HA	2:36:A:GLU:HB2	16	0.6
(1,6187)	2:34:A:LEU:HD23	2:36:A:GLU:H	5	0.6
(1,6066)	2:40:B:ARG:HD3	2:19:B:TYR:HD2	2	0.6
(1,6038)	2:42:A:LEU:HD11	2:6:B:GLU:HA	15	0.6
(1,6033)	2:42:A:LEU:HD12	2:37:A:LEU:HA	16	0.6
(1,6020)	2:46:A:LEU:HD23	1:1900:C:LEU:HG	15	0.6
(1,6019)	2:46:A:LEU:HD22	2:55:A:PHE:HA	10	0.6
(1,6010)	2:49:B:ARG:HD2	2:35:B:LYS:HD2	14	0.6
(1,6001)	2:96:A:LYS:HE2	2:100:A:LYS:H	17	0.6
(1,5972)	2:58:B:LEU:HD22	2:62:B:LEU:HD13	7	0.6
(1,5918)	2:62:B:LEU:HD12	1:1921:C:LEU:HD23	2	0.6
(1,5897)	2:62:A:LEU:HD22	2:59:A:MET:HE3	20	0.6
(1,5891)	2:64:B:SER:HB2	2:63:B:ASP:HB2	14	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5812)	2:79:B:LEU:HD13	2:75:B:TYR:HA	8	0.6
(1,5768)	2:83:B:ALA:HB1	2:79:B:LEU:HA	13	0.6
(1,5742)	2:85:B:MET:HE1	1:1926:C:LEU:HD12	5	0.6
(1,5630)	1:1903:C:ALA:HB1	2:9:B:LEU:HD12	7	0.6
(1,5630)	1:1903:C:ALA:HB2	2:9:B:LEU:HD12	7	0.6
(1,5630)	1:1903:C:ALA:HB3	2:9:B:LEU:HD12	7	0.6
(1,5630)	1:1903:C:ALA:HB1	2:9:B:LEU:HD11	11	0.6
(1,5630)	1:1903:C:ALA:HB2	2:9:B:LEU:HD11	11	0.6
(1,5630)	1:1903:C:ALA:HB3	2:9:B:LEU:HD11	11	0.6
(1,5400)	1:1914:C:VAL:HG23	2:76:A:CYS:HB3	3	0.6
(1,4179)	2:46:A:LEU:HD21	1:1900:C:LEU:HG	6	0.6
(1,4162)	2:54:A:ALA:HB2	1:1900:C:LEU:HB3	4	0.6
(1,4121)	2:77:B:VAL:HG11	1:1913:C:GLU:H	12	0.6
(1,4121)	2:77:B:VAL:HG13	1:1913:C:GLU:H	18	0.6
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG11	12	0.6
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG12	12	0.6
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG13	12	0.6
(1,4019)	2:38:B:LEU:HD13	1:1928:C:PHE:HD2	1	0.6
(1,4019)	2:38:B:LEU:HD11	1:1928:C:PHE:HD2	3	0.6
(1,4019)	2:38:B:LEU:HD12	1:1928:C:PHE:HD2	10	0.6
(1,3954)	2:77:B:VAL:HG13	1:1914:C:VAL:HG11	15	0.6
(1,3954)	2:77:B:VAL:HG13	1:1914:C:VAL:HG12	15	0.6
(1,3954)	2:77:B:VAL:HG13	1:1914:C:VAL:HG13	15	0.6
(1,3931)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	2	0.6
(1,3931)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	5	0.6
(1,3919)	2:58:A:LEU:HD13	1:1899:C:GLU:HG3	9	0.6
(1,3919)	2:58:A:LEU:HD12	1:1899:C:GLU:HG3	14	0.6
(1,3908)	2:38:A:LEU:HD13	1:1900:C:LEU:HB3	12	0.6
(1,2889)	2:49:A:ARG:H	2:54:A:ALA:HB2	18	0.6
(1,2570)	2:84:B:MET:HE1	2:72:A:PHE:HZ	4	0.6
(1,2570)	2:84:B:MET:HE1	2:72:A:PHE:HZ	7	0.6
(1,2453)	2:8:B:ALA:HB1	2:11:B:VAL:H	13	0.6
(1,2453)	2:8:B:ALA:HB2	2:11:B:VAL:H	16	0.6
(1,2453)	2:8:B:ALA:HB2	2:11:B:VAL:H	20	0.6
(1,2452)	2:8:B:ALA:HB1	2:12:B:MET:H	9	0.6
(1,2349)	2:11:A:VAL:HG23	2:15:A:THR:HA	9	0.6
(1,2281)	2:12:B:MET:HE3	2:76:B:CYS:H	11	0.6
(1,2271)	2:12:B:MET:HE3	2:79:B:LEU:HA	7	0.6
(1,2233)	2:13:A:VAL:HG22	2:87:B:ASN:H	15	0.6
(1,2233)	2:13:A:VAL:HG22	2:87:B:ASN:H	20	0.6
(1,2216)	2:13:A:VAL:HG12	2:10:A:ASP:HA	11	0.6
(1,2129)	2:18:B:LYS:HE3	2:18:B:LYS:H	18	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2065)	2:26:B:LYS:HD3	2:28:B:LYS:H	7	0.6
(1,1954)	2:34:B:LEU:HD22	2:38:B:LEU:HG	3	0.6
(1,1951)	2:34:B:LEU:HD22	2:31:B:LYS:HA	1	0.6
(1,1918)	2:34:A:LEU:HD23	2:33:A:GLU:H	8	0.6
(1,1918)	2:34:A:LEU:HD21	2:33:A:GLU:H	16	0.6
(1,1914)	2:34:A:LEU:HD22	2:31:A:LYS:HA	1	0.6
(1,1914)	2:34:A:LEU:HD23	2:31:A:LYS:HA	13	0.6
(1,1903)	2:34:A:LEU:HD13	2:55:A:PHE:HE2	18	0.6
(1,1771)	2:37:A:LEU:HD11	2:16:A:PHE:HA	5	0.6
(1,1754)	2:38:B:LEU:HD11	2:34:B:LEU:HG	6	0.6
(1,1754)	2:38:B:LEU:HD11	2:34:B:LEU:HG	9	0.6
(1,1754)	2:38:B:LEU:HD11	2:34:B:LEU:HG	12	0.6
(1,1609)	2:42:B:LEU:HD11	2:45:B:PHE:H	2	0.6
(1,1609)	2:42:B:LEU:HD11	2:45:B:PHE:H	10	0.6
(1,1609)	2:42:B:LEU:HD11	2:45:B:PHE:H	18	0.6
(1,1544)	2:42:A:LEU:HD13	2:82:A:ILE:HG22	2	0.6
(1,1544)	2:42:A:LEU:HD13	2:82:A:ILE:HG22	7	0.6
(1,1543)	2:42:A:LEU:HD13	2:82:A:ILE:HD12	11	0.6
(1,1409)	2:49:A:ARG:HD3	2:54:A:ALA:HB2	17	0.6
(1,1361)	2:52:B:GLU:HG3	2:51:B:ASP:HB2	6	0.6
(1,1346)	2:52:A:GLU:HG2	2:53:A:ALA:HB1	6	0.6
(1,1317)	2:53:A:ALA:HB3	2:52:A:GLU:HG2	5	0.6
(1,1139)	2:58:A:LEU:HD13	1:1899:C:GLU:HG3	9	0.6
(1,1139)	2:58:A:LEU:HD12	1:1899:C:GLU:HG3	14	0.6
(1,1097)	2:59:B:MET:HE3	2:68:B:ASN:HD21	14	0.6
(1,1096)	2:59:B:MET:HE3	2:75:B:TYR:HD1	4	0.6
(1,1096)	2:59:B:MET:HE3	2:75:B:TYR:HD2	4	0.6
(1,1096)	2:59:B:MET:HE1	2:75:B:TYR:HD1	14	0.6
(1,1096)	2:59:B:MET:HE1	2:75:B:TYR:HD2	14	0.6
(1,1052)	2:59:A:MET:HE2	2:62:A:LEU:H	9	0.6
(1,1052)	2:59:A:MET:HE3	2:62:A:LEU:H	14	0.6
(1,1046)	2:59:A:MET:HE3	2:67:A:ASP:H	2	0.6
(1,1033)	2:59:A:MET:HE3	2:68:A:ASN:HB2	5	0.6
(1,1030)	2:59:A:MET:HE2	2:70:A:VAL:HG13	11	0.6
(1,753)	2:70:B:VAL:HG22	2:74:B:GLU:H	11	0.6
(1,590)	2:77:B:VAL:HG11	1:1913:C:GLU:H	12	0.6
(1,590)	2:77:B:VAL:HG13	1:1913:C:GLU:H	18	0.6
(1,584)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	2	0.6
(1,584)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	5	0.6
(1,558)	2:77:A:VAL:HG22	1:1910:C:MET:H	1	0.6
(1,558)	2:77:A:VAL:HG22	1:1910:C:MET:H	3	0.6
(1,558)	2:77:A:VAL:HG22	1:1910:C:MET:H	4	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,505)	2:79:B:LEU:HD22	2:78:B:PHE:HZ	18	0.6
(1,460)	2:79:A:LEU:HD23	2:76:A:CYS:HA	12	0.6
(1,355)	2:82:B:ILE:HG23	2:78:B:PHE:HD1	1	0.6
(1,355)	2:82:B:ILE:HG23	2:78:B:PHE:HD2	1	0.6
(1,355)	2:82:B:ILE:HG22	2:78:B:PHE:HD1	13	0.6
(1,355)	2:82:B:ILE:HG22	2:78:B:PHE:HD2	13	0.6
(1,246)	2:84:B:MET:HE2	1:1918:C:LYS:HE2	13	0.6
(1,245)	2:84:B:MET:HE2	2:85:B:MET:HG2	1	0.6
(1,178)	2:85:B:MET:HE2	1:1928:C:PHE:HZ	1	0.6
(1,175)	2:85:B:MET:HE1	1:1928:C:PHE:HA	17	0.6
(1,175)	2:85:B:MET:HE3	1:1928:C:PHE:HA	18	0.6
(1,169)	2:85:B:MET:HE1	1:1922:C:ARG:HD2	10	0.6
(1,169)	2:85:B:MET:HE1	1:1922:C:ARG:HD2	17	0.6
(1,134)	2:85:A:MET:HE1	2:82:A:ILE:HD13	6	0.6
(1,7005)	2:72:A:PHE:HE1	2:13:A:VAL:HG21	17	0.59
(1,6619)	2:2:A:ALA:HB2	2:6:A:GLU:H	15	0.59
(1,6535)	2:8:B:ALA:HA	2:11:B:VAL:HB	3	0.59
(1,6535)	2:8:A:ALA:HA	2:11:A:VAL:HB	8	0.59
(1,6458)	2:12:A:MET:HE3	2:75:A:TYR:HD1	13	0.59
(1,6443)	2:12:B:MET:HE2	2:82:A:ILE:H	8	0.59
(1,6443)	2:12:B:MET:HE2	2:82:A:ILE:H	19	0.59
(1,6436)	2:12:B:MET:HE2	2:9:B:LEU:HD11	18	0.59
(1,6399)	2:15:A:THR:HG23	2:41:A:GLU:HA	17	0.59
(1,6301)	2:26:B:LYS:HD3	2:27:B:PHE:HE2	15	0.59
(1,6270)	2:27:B:PHE:HA	2:75:B:TYR:HD2	3	0.59
(1,6239)	2:29:A:LEU:HD11	2:59:A:MET:HE1	4	0.59
(1,6187)	2:34:A:LEU:HD23	2:36:A:GLU:H	14	0.59
(1,6152)	2:37:B:LEU:HD22	2:19:B:TYR:HE2	4	0.59
(1,6152)	2:37:B:LEU:HD22	2:19:B:TYR:HE1	18	0.59
(1,6047)	2:42:B:LEU:HD12	2:79:B:LEU:HD22	4	0.59
(1,6047)	2:42:B:LEU:HD13	2:79:B:LEU:HD22	14	0.59
(1,6038)	2:42:A:LEU:HD11	2:6:B:GLU:HA	13	0.59
(1,6037)	2:42:A:LEU:HD11	2:3:B:CYS:HB3	11	0.59
(1,6033)	2:42:A:LEU:HD13	2:41:A:GLU:HG2	19	0.59
(1,6020)	2:46:A:LEU:HD23	1:1900:C:LEU:HG	19	0.59
(1,5972)	2:58:B:LEU:HD22	2:62:B:LEU:HD13	14	0.59
(1,5971)	2:58:B:LEU:HD11	1:1921:C:LEU:HB2	16	0.59
(1,5962)	2:58:A:LEU:HD11	2:61:A:ASN:HA	3	0.59
(1,5962)	2:58:A:LEU:HD11	2:61:A:ASN:HA	17	0.59
(1,5960)	2:59:B:MET:HE2	2:60:B:SER:HA	2	0.59
(1,5743)	2:85:B:MET:HE2	1:1918:C:LYS:HE2	11	0.59
(1,5500)	1:1910:C:MET:HE1	2:73:B:GLN:HA	6	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5500)	1:1910:C:MET:HE2	2:73:B:GLN:HA	19	0.59
(1,5359)	1:1917:C:LEU:HD21	2:61:B:ASN:HB2	20	0.59
(1,5359)	1:1917:C:LEU:HD22	2:61:B:ASN:HB2	20	0.59
(1,5359)	1:1917:C:LEU:HD23	2:61:B:ASN:HB2	20	0.59
(1,5357)	1:1917:C:LEU:HD11	2:78:B:PHE:HB3	9	0.59
(1,5357)	1:1917:C:LEU:HD12	2:78:B:PHE:HB3	9	0.59
(1,5357)	1:1917:C:LEU:HD13	2:78:B:PHE:HB3	9	0.59
(1,4907)	1:1918:C:LYS:H	1:1922:C:ARG:HB3	6	0.59
(1,4594)	2:83:B:ALA:H	1:1918:C:LYS:HB3	18	0.59
(1,4411)	2:46:B:LEU:HD11	1:1928:C:PHE:HD2	8	0.59
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD21	7	0.59
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD22	7	0.59
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD23	7	0.59
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD21	11	0.59
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD22	11	0.59
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD23	11	0.59
(1,4180)	2:46:A:LEU:HD23	1:1900:C:LEU:HB3	15	0.59
(1,4162)	2:54:A:ALA:HB1	1:1900:C:LEU:HB3	2	0.59
(1,4054)	2:85:B:MET:HE1	1:1921:C:LEU:HD11	8	0.59
(1,4054)	2:85:B:MET:HE1	1:1921:C:LEU:HD12	8	0.59
(1,4054)	2:85:B:MET:HE1	1:1921:C:LEU:HD13	8	0.59
(1,4054)	2:85:B:MET:HE1	1:1921:C:LEU:HD11	9	0.59
(1,4054)	2:85:B:MET:HE1	1:1921:C:LEU:HD12	9	0.59
(1,4054)	2:85:B:MET:HE1	1:1921:C:LEU:HD13	9	0.59
(1,4028)	2:82:B:ILE:HG23	1:1926:C:LEU:HD11	9	0.59
(1,4028)	2:82:B:ILE:HG23	1:1926:C:LEU:HD12	9	0.59
(1,4028)	2:82:B:ILE:HG23	1:1926:C:LEU:HD13	9	0.59
(1,4028)	2:82:B:ILE:HG23	1:1926:C:LEU:HD11	16	0.59
(1,4028)	2:82:B:ILE:HG23	1:1926:C:LEU:HD12	16	0.59
(1,4028)	2:82:B:ILE:HG23	1:1926:C:LEU:HD13	16	0.59
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG11	3	0.59
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG12	3	0.59
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG13	3	0.59
(1,3963)	2:77:B:VAL:HG22	1:1920:C:LYS:HG3	4	0.59
(1,3809)	2:18:A:LYS:H	2:18:A:LYS:HE2	20	0.59
(1,2889)	2:49:A:ARG:H	2:54:A:ALA:HB3	12	0.59
(1,2570)	2:84:B:MET:HE1	2:72:A:PHE:HZ	10	0.59
(1,2453)	2:8:B:ALA:HB3	2:11:B:VAL:H	7	0.59
(1,2451)	2:8:A:ALA:HB1	2:12:A:MET:H	9	0.59
(1,2349)	2:11:A:VAL:HG23	2:15:A:THR:HA	8	0.59
(1,2317)	2:12:A:MET:HE1	2:12:A:MET:H	11	0.59
(1,2279)	2:12:B:MET:HE2	2:83:A:ALA:H	5	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2233)	2:13:A:VAL:HG23	2:87:B:ASN:H	4	0.59
(1,2180)	2:15:B:THR:HG23	2:37:B:LEU:HD23	5	0.59
(1,2129)	2:18:B:LYS:HE2	2:18:B:LYS:H	20	0.59
(1,2031)	2:29:A:LEU:HD12	2:37:A:LEU:HD13	15	0.59
(1,1961)	2:34:B:LEU:HD23	2:62:B:LEU:HD13	12	0.59
(1,1954)	2:34:B:LEU:HD22	2:38:B:LEU:HG	1	0.59
(1,1954)	2:34:B:LEU:HD23	2:38:B:LEU:HG	10	0.59
(1,1954)	2:34:B:LEU:HD22	2:38:B:LEU:HG	11	0.59
(1,1948)	2:34:B:LEU:HD22	1:1928:C:PHE:HZ	5	0.59
(1,1948)	2:34:B:LEU:HD23	1:1928:C:PHE:HZ	10	0.59
(1,1918)	2:34:A:LEU:HD23	2:33:A:GLU:H	1	0.59
(1,1918)	2:34:A:LEU:HD23	2:33:A:GLU:H	2	0.59
(1,1918)	2:34:A:LEU:HD23	2:33:A:GLU:H	7	0.59
(1,1918)	2:34:A:LEU:HD21	2:33:A:GLU:H	20	0.59
(1,1775)	2:37:B:LEU:HD13	2:29:B:LEU:HD12	15	0.59
(1,1754)	2:38:B:LEU:HD12	2:34:B:LEU:HG	2	0.59
(1,1754)	2:38:B:LEU:HD11	2:34:B:LEU:HG	16	0.59
(1,1754)	2:38:B:LEU:HD13	2:34:B:LEU:HG	18	0.59
(1,1712)	2:38:A:LEU:HD12	2:46:A:LEU:HB3	12	0.59
(1,1705)	2:38:A:LEU:HD12	2:50:A:THR:HB	17	0.59
(1,1695)	2:38:A:LEU:HD13	2:42:A:LEU:H	18	0.59
(1,1652)	2:39:A:THR:HB	2:36:A:GLU:HB2	3	0.59
(1,1652)	2:39:A:THR:HB	2:36:A:GLU:HB3	6	0.59
(1,1582)	2:42:B:LEU:HD12	2:82:B:ILE:HG22	19	0.59
(1,1543)	2:42:A:LEU:HD13	2:82:A:ILE:HD12	10	0.59
(1,1405)	2:49:A:ARG:HB2	2:54:A:ALA:HB3	12	0.59
(1,1347)	2:52:A:GLU:HG2	2:35:A:LYS:HD3	3	0.59
(1,1347)	2:52:A:GLU:HG2	2:35:A:LYS:HD3	4	0.59
(1,1317)	2:53:A:ALA:HB1	2:52:A:GLU:HG2	8	0.59
(1,1107)	2:59:B:MET:HE1	2:71:B:ASP:H	2	0.59
(1,1097)	2:59:B:MET:HE2	2:68:B:ASN:HD21	1	0.59
(1,1093)	2:59:B:MET:HE2	2:30:B:ASN:HD22	1	0.59
(1,1091)	2:59:B:MET:HE2	2:69:B:GLU:H	15	0.59
(1,1070)	2:59:B:MET:HE1	2:62:B:LEU:HD23	11	0.59
(1,1046)	2:59:A:MET:HE2	2:67:A:ASP:H	1	0.59
(1,1046)	2:59:A:MET:HE1	2:67:A:ASP:H	5	0.59
(1,1046)	2:59:A:MET:HE2	2:67:A:ASP:H	12	0.59
(1,1033)	2:59:A:MET:HE3	2:68:A:ASN:HB2	11	0.59
(1,1033)	2:59:A:MET:HE1	2:68:A:ASN:HB2	15	0.59
(1,783)	2:70:B:VAL:HG11	2:62:B:LEU:HD21	14	0.59
(1,781)	2:70:B:VAL:HG21	2:62:B:LEU:HD22	10	0.59
(1,583)	2:77:A:VAL:HG22	1:1910:C:MET:HG2	3	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,558)	2:77:A:VAL:HG22	1:1910:C:MET:H	2	0.59
(1,558)	2:77:A:VAL:HG22	1:1910:C:MET:H	16	0.59
(1,376)	2:82:B:ILE:HG23	1:1929:C:VAL:HG11	18	0.59
(1,376)	2:82:B:ILE:HG23	1:1929:C:VAL:HG12	18	0.59
(1,376)	2:82:B:ILE:HG23	1:1929:C:VAL:HG13	18	0.59
(1,253)	2:84:B:MET:HE3	2:73:A:GLN:HE22	11	0.59
(1,178)	2:85:B:MET:HE1	1:1928:C:PHE:HZ	11	0.59
(1,175)	2:85:B:MET:HE1	1:1928:C:PHE:HA	7	0.59
(1,7005)	2:72:A:PHE:HE2	2:13:A:VAL:HG23	6	0.58
(1,6858)	2:2:B:ALA:H	2:7:B:LYS:HB2	6	0.58
(1,6847)	2:83:A:ALA:H	2:72:B:PHE:HE1	12	0.58
(1,6535)	2:8:B:ALA:HA	2:11:B:VAL:HB	19	0.58
(1,6450)	2:12:A:MET:HE1	2:11:A:VAL:HG23	8	0.58
(1,6442)	2:12:B:MET:HE3	2:75:B:TYR:HD1	11	0.58
(1,6440)	2:12:B:MET:HE1	2:9:B:LEU:HA	12	0.58
(1,6440)	2:12:B:MET:HE1	2:9:B:LEU:HA	14	0.58
(1,6399)	2:15:A:THR:HG21	2:41:A:GLU:HA	20	0.58
(1,6355)	2:22:B:LYS:HD2	2:19:B:TYR:HE1	1	0.58
(1,6291)	2:26:B:LYS:HG2	2:21:B:GLY:HA2	19	0.58
(1,6243)	2:29:B:LEU:HD11	2:34:B:LEU:HD22	16	0.58
(1,6239)	2:29:A:LEU:HD11	2:59:A:MET:HE1	7	0.58
(1,6239)	2:29:A:LEU:HD13	2:59:A:MET:HE1	17	0.58
(1,6239)	2:29:A:LEU:HD11	2:59:A:MET:HE3	18	0.58
(1,6147)	2:37:A:LEU:HD22	2:15:A:THR:HG23	13	0.58
(1,6063)	2:40:B:ARG:HD2	2:39:B:THR:HG22	8	0.58
(1,5994)	2:54:B:ALA:HB1	1:1926:C:LEU:HD11	18	0.58
(1,5980)	2:56:B:GLN:HG2	2:31:B:LYS:HE2	17	0.58
(1,5962)	2:58:A:LEU:HD11	2:61:A:ASN:HA	4	0.58
(1,5962)	2:58:A:LEU:HD11	2:61:A:ASN:HA	14	0.58
(1,5962)	2:58:A:LEU:HD11	2:61:A:ASN:HA	18	0.58
(1,5960)	2:59:B:MET:HE1	2:60:B:SER:HA	11	0.58
(1,5929)	2:62:B:LEU:HD13	1:1918:C:LYS:HA	10	0.58
(1,5768)	2:83:B:ALA:HB1	2:79:B:LEU:HA	2	0.58
(1,5768)	2:83:B:ALA:HB2	2:79:B:LEU:HA	15	0.58
(1,5745)	2:85:B:MET:HE3	2:86:B:CYS:HB2	7	0.58
(1,5639)	1:1901:C:GLU:HB2	1:1905:C:GLU:HB2	20	0.58
(1,5500)	1:1910:C:MET:HE1	2:73:B:GLN:HA	17	0.58
(1,5500)	1:1910:C:MET:HE2	2:73:B:GLN:HA	20	0.58
(1,5400)	1:1914:C:VAL:HG22	1:1913:C:GLU:HG3	6	0.58
(1,5357)	1:1917:C:LEU:HD11	2:78:B:PHE:HB3	13	0.58
(1,5357)	1:1917:C:LEU:HD12	2:78:B:PHE:HB3	13	0.58
(1,5357)	1:1917:C:LEU:HD13	2:78:B:PHE:HB3	13	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5172)	1:1929:C:VAL:HG21	1:1929:C:VAL:H	5	0.58
(1,5172)	1:1929:C:VAL:HG22	1:1929:C:VAL:H	5	0.58
(1,5172)	1:1929:C:VAL:HG23	1:1929:C:VAL:H	5	0.58
(1,5080)	1:1899:C:GLU:H	1:1898:C:ARG:HD3	18	0.58
(1,4690)	1:1914:C:VAL:HG21	1:1915:C:SER:HB2	13	0.58
(1,4180)	2:46:A:LEU:HD23	1:1900:C:LEU:HB3	19	0.58
(1,4054)	2:85:B:MET:HE1	1:1921:C:LEU:HD11	2	0.58
(1,4054)	2:85:B:MET:HE1	1:1921:C:LEU:HD12	2	0.58
(1,4054)	2:85:B:MET:HE1	1:1921:C:LEU:HD13	2	0.58
(1,3985)	2:62:B:LEU:HD21	1:1917:C:LEU:HA	10	0.58
(1,3985)	2:62:B:LEU:HD23	1:1917:C:LEU:HA	13	0.58
(1,3954)	2:77:B:VAL:HG12	1:1914:C:VAL:HG11	1	0.58
(1,3954)	2:77:B:VAL:HG12	1:1914:C:VAL:HG12	1	0.58
(1,3954)	2:77:B:VAL:HG12	1:1914:C:VAL:HG13	1	0.58
(1,3931)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	1	0.58
(1,3919)	2:58:A:LEU:HD12	1:1899:C:GLU:HG3	18	0.58
(1,3908)	2:38:A:LEU:HD11	1:1900:C:LEU:HB3	4	0.58
(1,3908)	2:38:A:LEU:HD11	1:1900:C:LEU:HB3	11	0.58
(1,3900)	2:62:A:LEU:HD23	1:1907:C:ALA:HB1	3	0.58
(1,3900)	2:62:A:LEU:HD23	1:1907:C:ALA:HB2	3	0.58
(1,3900)	2:62:A:LEU:HD23	1:1907:C:ALA:HB3	3	0.58
(1,3809)	2:18:A:LYS:H	2:18:A:LYS:HE3	17	0.58
(1,2598)	2:14:A:SER:HB2	2:90:B:PHE:HE1	4	0.58
(1,2598)	2:14:A:SER:HB2	2:90:B:PHE:HE2	4	0.58
(1,2453)	2:8:B:ALA:HB2	2:11:B:VAL:H	6	0.58
(1,2453)	2:8:B:ALA:HB1	2:11:B:VAL:H	12	0.58
(1,2349)	2:11:A:VAL:HG21	2:15:A:THR:HA	18	0.58
(1,2317)	2:12:A:MET:HE1	2:12:A:MET:H	1	0.58
(1,2317)	2:12:A:MET:HE1	2:12:A:MET:H	9	0.58
(1,2317)	2:12:A:MET:HE1	2:12:A:MET:H	15	0.58
(1,2281)	2:12:B:MET:HE3	2:76:B:CYS:H	8	0.58
(1,2281)	2:12:B:MET:HE3	2:76:B:CYS:H	12	0.58
(1,2238)	2:13:A:VAL:HG22	2:17:A:HIS:HD2	12	0.58
(1,2233)	2:13:A:VAL:HG23	2:87:B:ASN:H	3	0.58
(1,2233)	2:13:A:VAL:HG23	2:87:B:ASN:H	16	0.58
(1,2109)	2:78:B:PHE:HA	1:1917:C:LEU:HD11	19	0.58
(1,2109)	2:78:B:PHE:HA	1:1917:C:LEU:HD12	19	0.58
(1,2109)	2:78:B:PHE:HA	1:1917:C:LEU:HD13	19	0.58
(1,1975)	2:32:A:SER:HB3	2:32:A:SER:H	10	0.58
(1,1951)	2:34:B:LEU:HD22	2:31:B:LYS:HA	5	0.58
(1,1951)	2:34:B:LEU:HD22	2:31:B:LYS:HA	8	0.58
(1,1918)	2:34:A:LEU:HD21	2:33:A:GLU:H	6	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1914)	2:34:A:LEU:HD22	2:31:A:LYS:HA	5	0.58
(1,1754)	2:38:B:LEU:HD11	2:34:B:LEU:HG	10	0.58
(1,1754)	2:38:B:LEU:HD12	2:34:B:LEU:HG	11	0.58
(1,1708)	2:38:A:LEU:HD23	2:34:A:LEU:HA	17	0.58
(1,1671)	2:39:B:THR:HG22	2:40:B:ARG:HD2	8	0.58
(1,1657)	2:39:B:THR:HG23	2:40:B:ARG:HD2	16	0.58
(1,1652)	2:39:A:THR:HB	2:36:A:GLU:HB2	1	0.58
(1,1570)	2:42:A:LEU:HD13	2:19:A:TYR:HD1	14	0.58
(1,1570)	2:42:A:LEU:HD13	2:19:A:TYR:HD2	14	0.58
(1,1563)	2:42:A:LEU:HD12	2:34:A:LEU:HA	7	0.58
(1,1563)	2:42:A:LEU:HD12	2:34:A:LEU:HA	15	0.58
(1,1544)	2:42:A:LEU:HD13	2:82:A:ILE:HG22	13	0.58
(1,1409)	2:49:A:ARG:HD3	2:54:A:ALA:HB3	4	0.58
(1,1347)	2:52:A:GLU:HG2	2:35:A:LYS:HD3	6	0.58
(1,1345)	2:52:A:GLU:HG2	2:55:A:PHE:HB3	6	0.58
(1,1345)	2:52:A:GLU:HG2	2:55:A:PHE:HB3	12	0.58
(1,1332)	2:53:B:ALA:HB2	2:56:B:GLN:H	3	0.58
(1,1327)	2:53:B:ALA:HB2	2:56:B:GLN:HB3	1	0.58
(1,1157)	2:58:A:LEU:HD23	2:45:A:PHE:HB3	6	0.58
(1,1139)	2:58:A:LEU:HD12	1:1899:C:GLU:HG3	18	0.58
(1,1093)	2:59:B:MET:HE2	2:30:B:ASN:HD22	4	0.58
(1,1091)	2:59:B:MET:HE3	2:69:B:GLU:H	10	0.58
(1,1074)	2:59:B:MET:HE3	2:70:B:VAL:HG13	20	0.58
(1,1072)	2:59:B:MET:HE3	2:29:B:LEU:HD13	12	0.58
(1,944)	2:62:B:LEU:HD21	2:70:B:VAL:HB	20	0.58
(1,781)	2:70:B:VAL:HG23	2:62:B:LEU:HD21	4	0.58
(1,744)	2:70:A:VAL:HG21	2:75:A:TYR:H	20	0.58
(1,584)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	1	0.58
(1,558)	2:77:A:VAL:HG22	1:1910:C:MET:H	12	0.58
(1,505)	2:79:B:LEU:HD22	2:78:B:PHE:HZ	16	0.58
(1,460)	2:79:A:LEU:HD23	2:76:A:CYS:HA	8	0.58
(1,383)	2:82:B:ILE:HD11	2:85:B:MET:HE3	3	0.58
(1,376)	2:82:B:ILE:HG21	1:1929:C:VAL:HG11	19	0.58
(1,376)	2:82:B:ILE:HG21	1:1929:C:VAL:HG12	19	0.58
(1,376)	2:82:B:ILE:HG21	1:1929:C:VAL:HG13	19	0.58
(1,246)	2:84:B:MET:HE2	1:1918:C:LYS:HE2	14	0.58
(1,175)	2:85:B:MET:HE3	1:1928:C:PHE:HA	14	0.58
(1,169)	2:85:B:MET:HE1	1:1922:C:ARG:HD3	12	0.58
(1,128)	2:85:A:MET:HE1	2:45:A:PHE:H	14	0.58
(1,126)	2:85:A:MET:HE2	1:1898:C:ARG:H	12	0.58
(1,7026)	2:19:B:TYR:HE2	2:18:B:LYS:HD3	9	0.57
(1,7000)	2:75:B:TYR:HD2	2:16:B:PHE:HD1	4	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6968)	2:17:A:HIS:H	2:26:A:LYS:HE3	12	0.57
(1,6777)	2:34:A:LEU:H	2:59:A:MET:HE3	6	0.57
(1,6574)	2:6:A:GLU:HA	2:41:B:GLU:HB2	16	0.57
(1,6557)	2:8:A:ALA:HB2	2:6:A:GLU:H	20	0.57
(1,6537)	2:8:A:ALA:HB1	2:12:B:MET:HG3	3	0.57
(1,6524)	2:9:A:LEU:HD12	2:6:A:GLU:HA	19	0.57
(1,6516)	2:9:B:LEU:HD22	2:12:B:MET:HG3	17	0.57
(1,6509)	2:9:B:LEU:HD12	2:6:B:GLU:HA	9	0.57
(1,6509)	2:9:B:LEU:HD13	2:6:B:GLU:HA	16	0.57
(1,6487)	2:11:A:VAL:HG12	2:4:B:PRO:HD2	13	0.57
(1,6487)	2:11:A:VAL:HG13	2:4:B:PRO:HD2	19	0.57
(1,6443)	2:12:B:MET:HE2	2:82:A:ILE:H	9	0.57
(1,6384)	2:18:B:LYS:HD3	2:19:B:TYR:HE2	9	0.57
(1,6354)	2:22:B:LYS:HD2	2:19:B:TYR:HD2	7	0.57
(1,6239)	2:29:A:LEU:HD13	2:59:A:MET:HE1	8	0.57
(1,6206)	2:32:A:SER:HB2	2:33:A:GLU:HG2	15	0.57
(1,6187)	2:34:A:LEU:HD21	2:36:A:GLU:H	20	0.57
(1,6183)	2:34:A:LEU:HD22	2:38:A:LEU:HG	3	0.57
(1,6158)	2:88:B:GLU:HG3	2:87:B:ASN:HA	7	0.57
(1,6020)	2:46:A:LEU:HD22	1:1900:C:LEU:HG	8	0.57
(1,6001)	2:96:A:LYS:HE3	2:100:A:LYS:H	16	0.57
(1,5972)	2:58:B:LEU:HD22	2:62:B:LEU:HD13	20	0.57
(1,5962)	2:58:A:LEU:HD13	2:61:A:ASN:HA	1	0.57
(1,5962)	2:58:A:LEU:HD12	2:61:A:ASN:HA	7	0.57
(1,5962)	2:58:A:LEU:HD12	2:61:A:ASN:HA	15	0.57
(1,5962)	2:58:A:LEU:HD13	2:61:A:ASN:HA	19	0.57
(1,5948)	2:59:A:MET:HE3	2:69:A:GLU:H	2	0.57
(1,5943)	2:59:A:MET:HE3	2:58:A:LEU:HG	1	0.57
(1,5943)	2:59:A:MET:HE1	2:34:A:LEU:HB3	18	0.57
(1,5865)	2:73:A:GLN:HA	1:1914:C:VAL:HG23	9	0.57
(1,5804)	2:79:A:LEU:HD22	2:12:B:MET:HE2	18	0.57
(1,5743)	2:85:B:MET:HE2	1:1918:C:LYS:HE3	9	0.57
(1,5639)	1:1901:C:GLU:HB2	1:1905:C:GLU:HB2	15	0.57
(1,5630)	1:1903:C:ALA:HB1	2:9:B:LEU:HD11	19	0.57
(1,5630)	1:1903:C:ALA:HB2	2:9:B:LEU:HD11	19	0.57
(1,5630)	1:1903:C:ALA:HB3	2:9:B:LEU:HD11	19	0.57
(1,5500)	1:1910:C:MET:HE2	2:73:B:GLN:HA	16	0.57
(1,4572)	1:1920:C:LYS:HG3	1:1917:C:LEU:HA	14	0.57
(1,4121)	2:77:B:VAL:HG12	1:1913:C:GLU:H	5	0.57
(1,4065)	2:85:B:MET:HE3	1:1930:C:VAL:HA	3	0.57
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG11	1	0.57
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG12	1	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG13	1	0.57
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG11	6	0.57
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG12	6	0.57
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG13	6	0.57
(1,3954)	2:77:B:VAL:HG13	1:1914:C:VAL:HG11	4	0.57
(1,3954)	2:77:B:VAL:HG13	1:1914:C:VAL:HG12	4	0.57
(1,3954)	2:77:B:VAL:HG13	1:1914:C:VAL:HG13	4	0.57
(1,3954)	2:77:B:VAL:HG11	1:1914:C:VAL:HG11	7	0.57
(1,3954)	2:77:B:VAL:HG11	1:1914:C:VAL:HG12	7	0.57
(1,3954)	2:77:B:VAL:HG11	1:1914:C:VAL:HG13	7	0.57
(1,3954)	2:77:B:VAL:HG11	1:1914:C:VAL:HG11	14	0.57
(1,3954)	2:77:B:VAL:HG11	1:1914:C:VAL:HG12	14	0.57
(1,3954)	2:77:B:VAL:HG11	1:1914:C:VAL:HG13	14	0.57
(1,3931)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	4	0.57
(1,3923)	2:58:A:LEU:HD22	1:1903:C:ALA:HB1	5	0.57
(1,3923)	2:58:A:LEU:HD22	1:1903:C:ALA:HB2	5	0.57
(1,3923)	2:58:A:LEU:HD22	1:1903:C:ALA:HB3	5	0.57
(1,3909)	2:38:A:LEU:HD12	1:1900:C:LEU:HB2	19	0.57
(1,3908)	2:38:A:LEU:HD13	1:1900:C:LEU:HB3	7	0.57
(1,3900)	2:62:A:LEU:HD21	1:1907:C:ALA:HB1	4	0.57
(1,3900)	2:62:A:LEU:HD21	1:1907:C:ALA:HB2	4	0.57
(1,3900)	2:62:A:LEU:HD21	1:1907:C:ALA:HB3	4	0.57
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD11	10	0.57
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD12	10	0.57
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD13	10	0.57
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD11	10	0.57
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD12	10	0.57
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD13	10	0.57
(1,3809)	2:18:A:LYS:H	2:18:A:LYS:HE2	5	0.57
(1,2453)	2:8:B:ALA:HB1	2:11:B:VAL:H	1	0.57
(1,2453)	2:8:B:ALA:HB3	2:11:B:VAL:H	9	0.57
(1,2452)	2:8:B:ALA:HB3	2:12:B:MET:H	18	0.57
(1,2281)	2:12:B:MET:HE3	2:76:B:CYS:H	14	0.57
(1,2279)	2:12:B:MET:HE2	2:83:A:ALA:H	4	0.57
(1,2275)	2:12:B:MET:HE2	2:80:B:SER:HA	2	0.57
(1,2233)	2:13:A:VAL:HG23	2:87:B:ASN:H	5	0.57
(1,2182)	2:15:B:THR:HG23	2:41:B:GLU:HG2	1	0.57
(1,2129)	2:18:B:LYS:HE2	2:18:B:LYS:H	5	0.57
(1,2031)	2:29:A:LEU:HD12	2:37:A:LEU:HD12	6	0.57
(1,1988)	2:31:A:LYS:HD3	2:55:A:PHE:HD2	7	0.57
(1,1988)	2:31:A:LYS:HD3	2:55:A:PHE:HD1	15	0.57
(1,1975)	2:32:A:SER:HB3	2:32:A:SER:H	1	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1954)	2:34:B:LEU:HD22	2:38:B:LEU:HG	4	0.57
(1,1951)	2:34:B:LEU:HD23	2:31:B:LYS:HA	6	0.57
(1,1951)	2:34:B:LEU:HD23	2:31:B:LYS:HA	12	0.57
(1,1918)	2:34:A:LEU:HD21	2:33:A:GLU:H	12	0.57
(1,1914)	2:34:A:LEU:HD23	2:31:A:LYS:HA	6	0.57
(1,1914)	2:34:A:LEU:HD22	2:31:A:LYS:HA	8	0.57
(1,1754)	2:38:B:LEU:HD11	2:34:B:LEU:HG	19	0.57
(1,1695)	2:38:A:LEU:HD11	2:42:A:LEU:H	6	0.57
(1,1652)	2:39:A:THR:HB	2:36:A:GLU:HB3	4	0.57
(1,1652)	2:39:A:THR:HB	2:36:A:GLU:HB2	10	0.57
(1,1570)	2:42:A:LEU:HD12	2:19:A:TYR:HD1	4	0.57
(1,1570)	2:42:A:LEU:HD12	2:19:A:TYR:HD2	4	0.57
(1,1409)	2:49:A:ARG:HD3	2:54:A:ALA:HB2	18	0.57
(1,1347)	2:52:A:GLU:HG2	2:35:A:LYS:HD2	17	0.57
(1,1317)	2:53:A:ALA:HB3	2:52:A:GLU:HG2	9	0.57
(1,1317)	2:53:A:ALA:HB2	2:52:A:GLU:HG2	20	0.57
(1,1156)	2:58:A:LEU:HD23	1:1899:C:GLU:HG3	6	0.57
(1,1122)	2:58:A:LEU:HD12	2:61:A:ASN:HD21	9	0.57
(1,1107)	2:59:B:MET:HE3	2:71:B:ASP:H	12	0.57
(1,1107)	2:59:B:MET:HE3	2:71:B:ASP:H	18	0.57
(1,1098)	2:59:B:MET:HE1	2:62:B:LEU:H	8	0.57
(1,1097)	2:59:B:MET:HE2	2:68:B:ASN:HD21	15	0.57
(1,1071)	2:59:B:MET:HE3	2:29:B:LEU:HD23	12	0.57
(1,900)	2:62:A:LEU:HD11	2:61:A:ASN:HB3	3	0.57
(1,590)	2:77:B:VAL:HG12	1:1913:C:GLU:H	5	0.57
(1,584)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	4	0.57
(1,583)	2:77:A:VAL:HG22	1:1910:C:MET:HG2	18	0.57
(1,505)	2:79:B:LEU:HD22	2:78:B:PHE:HZ	13	0.57
(1,505)	2:79:B:LEU:HD22	2:78:B:PHE:HZ	15	0.57
(1,376)	2:82:B:ILE:HG22	1:1929:C:VAL:HG11	1	0.57
(1,376)	2:82:B:ILE:HG22	1:1929:C:VAL:HG12	1	0.57
(1,376)	2:82:B:ILE:HG22	1:1929:C:VAL:HG13	1	0.57
(1,376)	2:82:B:ILE:HG21	1:1929:C:VAL:HG11	6	0.57
(1,376)	2:82:B:ILE:HG21	1:1929:C:VAL:HG12	6	0.57
(1,376)	2:82:B:ILE:HG21	1:1929:C:VAL:HG13	6	0.57
(1,376)	2:82:B:ILE:HG21	1:1929:C:VAL:HG11	11	0.57
(1,376)	2:82:B:ILE:HG21	1:1929:C:VAL:HG12	11	0.57
(1,376)	2:82:B:ILE:HG21	1:1929:C:VAL:HG13	11	0.57
(1,376)	2:82:B:ILE:HG21	1:1929:C:VAL:HG11	12	0.57
(1,376)	2:82:B:ILE:HG21	1:1929:C:VAL:HG12	12	0.57
(1,376)	2:82:B:ILE:HG21	1:1929:C:VAL:HG13	12	0.57
(1,376)	2:82:B:ILE:HG22	1:1929:C:VAL:HG11	15	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,376)	2:82:B:ILE:HG22	1:1929:C:VAL:HG12	15	0.57
(1,376)	2:82:B:ILE:HG22	1:1929:C:VAL:HG13	15	0.57
(1,246)	2:84:B:MET:HE2	1:1918:C:LYS:HE3	5	0.57
(1,246)	2:84:B:MET:HE2	1:1918:C:LYS:HE3	16	0.57
(1,176)	2:85:B:MET:HE1	1:1928:C:PHE:H	10	0.57
(1,175)	2:85:B:MET:HE3	1:1928:C:PHE:HA	1	0.57
(1,169)	2:85:B:MET:HE2	1:1922:C:ARG:HD3	4	0.57
(1,134)	2:85:A:MET:HE3	2:82:A:ILE:HD13	15	0.57
(1,126)	2:85:A:MET:HE2	1:1898:C:ARG:H	1	0.57
(1,126)	2:85:A:MET:HE2	1:1898:C:ARG:H	10	0.57
(1,6858)	2:2:B:ALA:H	2:7:B:LYS:HB2	3	0.56
(1,6858)	2:2:B:ALA:H	2:7:B:LYS:HB2	8	0.56
(1,6810)	2:61:A:ASN:H	2:62:A:LEU:HG	6	0.56
(1,6619)	2:2:A:ALA:HB3	2:6:A:GLU:H	7	0.56
(1,6535)	2:8:B:ALA:HA	2:11:B:VAL:HB	9	0.56
(1,6535)	2:8:B:ALA:HA	2:11:B:VAL:HB	17	0.56
(1,6455)	2:12:A:MET:HE2	2:76:A:CYS:HA	2	0.56
(1,6448)	2:12:A:MET:HE2	2:9:A:LEU:HD21	7	0.56
(1,6448)	2:12:A:MET:HE2	2:9:A:LEU:HD22	16	0.56
(1,6442)	2:12:B:MET:HE3	2:75:B:TYR:HD1	18	0.56
(1,6437)	2:12:B:MET:HE2	2:79:A:LEU:HB3	4	0.56
(1,6436)	2:12:B:MET:HE2	2:9:B:LEU:HD11	12	0.56
(1,6354)	2:22:B:LYS:HD2	2:19:B:TYR:HD1	4	0.56
(1,6270)	2:27:B:PHE:HA	2:75:B:TYR:HD2	16	0.56
(1,6243)	2:29:B:LEU:HD13	2:34:B:LEU:HD21	8	0.56
(1,6210)	2:32:B:SER:HB2	2:33:B:GLU:H	15	0.56
(1,6206)	2:32:B:SER:HB2	2:33:B:GLU:HG2	3	0.56
(1,6067)	2:40:A:ARG:HD3	2:19:A:TYR:HE2	3	0.56
(1,6067)	2:40:A:ARG:HD3	2:19:A:TYR:HE1	14	0.56
(1,6033)	2:42:A:LEU:HD12	2:37:A:LEU:HA	6	0.56
(1,6010)	2:49:B:ARG:HD2	2:35:B:LYS:HD2	4	0.56
(1,5994)	2:54:B:ALA:HB3	1:1926:C:LEU:HD11	3	0.56
(1,5984)	2:54:A:ALA:HB3	1:1898:C:ARG:HB2	9	0.56
(1,5981)	2:56:B:GLN:HG2	2:57:B:LYS:HD3	2	0.56
(1,5962)	2:58:A:LEU:HD11	2:61:A:ASN:HA	2	0.56
(1,5962)	2:58:A:LEU:HD13	2:61:A:ASN:HA	10	0.56
(1,5948)	2:59:A:MET:HE2	2:69:A:GLU:H	1	0.56
(1,5948)	2:59:A:MET:HE3	2:69:A:GLU:H	8	0.56
(1,5744)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	7	0.56
(1,5630)	1:1903:C:ALA:HB1	2:9:B:LEU:HD11	6	0.56
(1,5630)	1:1903:C:ALA:HB2	2:9:B:LEU:HD11	6	0.56
(1,5630)	1:1903:C:ALA:HB3	2:9:B:LEU:HD11	6	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5622)	1:1903:C:ALA:HB1	1:1902:C:ASP:HB3	4	0.56
(1,5622)	1:1903:C:ALA:HB2	1:1902:C:ASP:HB3	4	0.56
(1,5622)	1:1903:C:ALA:HB3	1:1902:C:ASP:HB3	4	0.56
(1,5497)	1:1910:C:MET:HE2	2:81:A:CYS:HB2	15	0.56
(1,5009)	1:1909:C:ALA:H	1:1905:C:GLU:HB3	18	0.56
(1,4846)	1:1926:C:LEU:H	1:1920:C:LYS:HA	15	0.56
(1,4846)	1:1926:C:LEU:H	2:54:B:ALA:HA	19	0.56
(1,4790)	1:1934:C:MET:H	1:1933:C:ARG:HG2	3	0.56
(1,4594)	1:1914:C:VAL:H	1:1918:C:LYS:HB3	16	0.56
(1,4422)	2:58:B:LEU:HD11	1:1928:C:PHE:HZ	5	0.56
(1,4121)	2:77:B:VAL:HG11	1:1913:C:GLU:H	19	0.56
(1,4062)	2:85:B:MET:HE1	1:1922:C:ARG:HD2	3	0.56
(1,4061)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	7	0.56
(1,4028)	2:82:B:ILE:HG21	1:1926:C:LEU:HD11	14	0.56
(1,4028)	2:82:B:ILE:HG21	1:1926:C:LEU:HD12	14	0.56
(1,4028)	2:82:B:ILE:HG21	1:1926:C:LEU:HD13	14	0.56
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG11	4	0.56
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG12	4	0.56
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG13	4	0.56
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG11	17	0.56
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG12	17	0.56
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG13	17	0.56
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG11	20	0.56
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG12	20	0.56
(1,4025)	2:82:B:ILE:HD11	1:1929:C:VAL:HG13	20	0.56
(1,3948)	2:77:A:VAL:HG13	1:1910:C:MET:HA	8	0.56
(1,3931)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	15	0.56
(1,3908)	2:38:A:LEU:HD11	1:1900:C:LEU:HB3	2	0.56
(1,3900)	2:62:A:LEU:HD22	1:1907:C:ALA:HB1	7	0.56
(1,3900)	2:62:A:LEU:HD22	1:1907:C:ALA:HB2	7	0.56
(1,3900)	2:62:A:LEU:HD22	1:1907:C:ALA:HB3	7	0.56
(1,2570)	2:84:B:MET:HE1	2:72:A:PHE:HZ	18	0.56
(1,2554)	2:5:A:LEU:HD21	2:9:A:LEU:HD13	13	0.56
(1,2495)	2:5:B:LEU:HD13	2:6:B:GLU:HA	15	0.56
(1,2452)	2:8:B:ALA:HB3	2:12:B:MET:H	11	0.56
(1,2451)	2:8:A:ALA:HB3	2:12:A:MET:H	18	0.56
(1,2317)	2:12:A:MET:HE1	2:12:A:MET:H	13	0.56
(1,2281)	2:12:B:MET:HE3	2:76:B:CYS:H	1	0.56
(1,2281)	2:12:B:MET:HE3	2:76:B:CYS:H	9	0.56
(1,2281)	2:12:B:MET:HE3	2:76:B:CYS:H	15	0.56
(1,2281)	2:12:B:MET:HE3	2:76:B:CYS:H	17	0.56
(1,2279)	2:12:B:MET:HE2	2:83:A:ALA:H	2	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2233)	2:13:A:VAL:HG22	2:87:B:ASN:H	18	0.56
(1,2129)	2:18:B:LYS:HE3	2:18:B:LYS:H	17	0.56
(1,2031)	2:29:A:LEU:HD12	2:37:A:LEU:HD12	16	0.56
(1,1961)	2:34:B:LEU:HD23	2:62:B:LEU:HD13	13	0.56
(1,1954)	2:34:B:LEU:HD22	2:38:B:LEU:HG	8	0.56
(1,1951)	2:34:B:LEU:HD23	2:31:B:LYS:HA	19	0.56
(1,1948)	2:34:B:LEU:HD22	1:1928:C:PHE:HZ	4	0.56
(1,1948)	2:34:B:LEU:HD23	1:1928:C:PHE:HZ	6	0.56
(1,1948)	2:34:B:LEU:HD23	1:1928:C:PHE:HZ	16	0.56
(1,1948)	2:34:B:LEU:HD23	1:1928:C:PHE:HZ	18	0.56
(1,1914)	2:34:A:LEU:HD23	2:31:A:LYS:HA	12	0.56
(1,1902)	2:34:A:LEU:HD13	2:60:A:SER:H	3	0.56
(1,1754)	2:38:B:LEU:HD13	2:34:B:LEU:HG	3	0.56
(1,1754)	2:38:B:LEU:HD13	2:34:B:LEU:HG	8	0.56
(1,1709)	2:38:A:LEU:HD12	2:42:A:LEU:HD23	14	0.56
(1,1652)	2:39:A:THR:HB	2:36:A:GLU:HB2	19	0.56
(1,1609)	2:42:B:LEU:HD11	2:45:B:PHE:H	5	0.56
(1,1563)	2:42:A:LEU:HD12	2:34:A:LEU:HA	1	0.56
(1,1563)	2:42:A:LEU:HD12	2:34:A:LEU:HA	11	0.56
(1,1433)	2:48:A:LYS:HG3	2:49:A:ARG:H	16	0.56
(1,1409)	2:49:A:ARG:HD3	2:54:A:ALA:HB3	11	0.56
(1,1408)	2:49:A:ARG:HD2	2:54:A:ALA:HB3	6	0.56
(1,1345)	2:52:A:GLU:HG2	2:55:A:PHE:HB3	10	0.56
(1,1345)	2:52:A:GLU:HG2	2:55:A:PHE:HB3	14	0.56
(1,1345)	2:52:A:GLU:HG2	2:55:A:PHE:HB3	19	0.56
(1,1332)	2:53:B:ALA:HB3	2:56:B:GLN:H	11	0.56
(1,1327)	2:53:B:ALA:HB1	2:56:B:GLN:HB3	10	0.56
(1,1107)	2:59:B:MET:HE1	2:71:B:ASP:H	16	0.56
(1,1098)	2:59:B:MET:HE1	2:62:B:LEU:H	1	0.56
(1,1091)	2:59:B:MET:HE2	2:69:B:GLU:H	4	0.56
(1,1052)	2:59:A:MET:HE3	2:62:A:LEU:H	4	0.56
(1,1052)	2:59:A:MET:HE3	2:62:A:LEU:H	7	0.56
(1,1001)	2:60:B:SER:HB3	2:63:B:ASP:HB2	3	0.56
(1,961)	2:62:B:LEU:HD22	2:78:B:PHE:H	14	0.56
(1,900)	2:62:A:LEU:HD13	2:61:A:ASN:HB3	12	0.56
(1,785)	2:70:B:VAL:HG22	2:29:B:LEU:HD11	7	0.56
(1,781)	2:70:B:VAL:HG21	2:62:B:LEU:HD22	1	0.56
(1,590)	2:77:B:VAL:HG11	1:1913:C:GLU:H	19	0.56
(1,584)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	15	0.56
(1,583)	2:77:A:VAL:HG22	1:1910:C:MET:HG2	1	0.56
(1,558)	2:77:A:VAL:HG22	1:1910:C:MET:H	5	0.56
(1,505)	2:79:B:LEU:HD22	2:78:B:PHE:HZ	3	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,460)	2:79:A:LEU:HD23	2:76:A:CYS:HA	1	0.56
(1,383)	2:82:B:ILE:HD11	2:85:B:MET:HE3	4	0.56
(1,383)	2:82:B:ILE:HD11	2:85:B:MET:HE3	14	0.56
(1,376)	2:82:B:ILE:HG21	1:1929:C:VAL:HG11	2	0.56
(1,376)	2:82:B:ILE:HG21	1:1929:C:VAL:HG12	2	0.56
(1,376)	2:82:B:ILE:HG21	1:1929:C:VAL:HG13	2	0.56
(1,376)	2:82:B:ILE:HG21	1:1929:C:VAL:HG11	4	0.56
(1,376)	2:82:B:ILE:HG21	1:1929:C:VAL:HG12	4	0.56
(1,376)	2:82:B:ILE:HG21	1:1929:C:VAL:HG13	4	0.56
(1,253)	2:84:B:MET:HE3	2:73:A:GLN:HE22	12	0.56
(1,243)	2:84:B:MET:HE2	2:85:B:MET:HB2	20	0.56
(1,214)	2:84:A:MET:HE1	2:72:B:PHE:HE1	4	0.56
(1,214)	2:84:A:MET:HE1	2:72:B:PHE:HE2	4	0.56
(1,178)	2:85:B:MET:HE1	1:1928:C:PHE:HZ	4	0.56
(1,175)	2:85:B:MET:HE3	1:1928:C:PHE:HA	12	0.56
(1,169)	2:85:B:MET:HE1	1:1922:C:ARG:HD2	5	0.56
(1,6858)	2:2:B:ALA:H	2:7:B:LYS:HB2	5	0.55
(1,6858)	2:2:B:ALA:H	2:7:B:LYS:HB2	11	0.55
(1,6717)	2:23:B:GLU:H	2:23:B:GLU:HG2	13	0.55
(1,6517)	2:9:A:LEU:HD23	2:12:A:MET:HB2	13	0.55
(1,6487)	2:11:A:VAL:HG11	2:4:B:PRO:HD2	10	0.55
(1,6487)	2:11:A:VAL:HG11	2:4:B:PRO:HD2	16	0.55
(1,6487)	2:11:A:VAL:HG13	2:4:B:PRO:HD3	17	0.55
(1,6462)	2:12:A:MET:HE2	2:84:B:MET:H	10	0.55
(1,6460)	2:12:A:MET:HE1	2:9:A:LEU:H	8	0.55
(1,6450)	2:12:A:MET:HE1	2:11:A:VAL:HG23	13	0.55
(1,6450)	2:12:A:MET:HE1	2:11:A:VAL:HG23	19	0.55
(1,6443)	2:12:B:MET:HE2	2:82:A:ILE:H	14	0.55
(1,6442)	2:12:B:MET:HE3	2:75:B:TYR:HD1	9	0.55
(1,6442)	2:12:B:MET:HE3	2:75:B:TYR:HD1	17	0.55
(1,6440)	2:12:B:MET:HE1	2:9:B:LEU:HA	1	0.55
(1,6433)	2:12:B:MET:HG3	2:13:B:VAL:HG11	19	0.55
(1,6353)	2:22:B:LYS:HD3	2:19:B:TYR:HD1	4	0.55
(1,6322)	2:23:A:GLU:HB2	2:30:A:ASN:HD21	14	0.55
(1,6291)	2:26:A:LYS:HG2	2:21:A:GLY:HA2	4	0.55
(1,6105)	2:38:B:LEU:HD22	2:58:B:LEU:HD22	4	0.55
(1,6005)	2:50:B:THR:HG23	2:46:B:LEU:HB2	5	0.55
(1,5994)	2:54:B:ALA:HB3	1:1926:C:LEU:HD13	5	0.55
(1,5974)	2:58:B:LEU:HD23	1:1928:C:PHE:HB2	1	0.55
(1,5972)	2:58:B:LEU:HD22	2:62:B:LEU:HD13	3	0.55
(1,5972)	2:58:B:LEU:HD22	2:62:B:LEU:HD13	9	0.55
(1,5972)	2:58:B:LEU:HD22	2:62:B:LEU:HD13	10	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5948)	2:59:A:MET:HE2	2:69:A:GLU:H	18	0.55
(1,5925)	2:62:B:LEU:HD13	2:58:B:LEU:HG	18	0.55
(1,5783)	2:82:A:ILE:HD11	2:79:A:LEU:H	14	0.55
(1,5741)	2:85:A:MET:HE1	2:58:A:LEU:HD22	7	0.55
(1,5741)	2:85:A:MET:HE2	2:58:A:LEU:HD23	11	0.55
(1,5639)	1:1901:C:GLU:HB2	1:1905:C:GLU:HB2	6	0.55
(1,5500)	1:1910:C:MET:HE1	2:73:B:GLN:HA	9	0.55
(1,5497)	1:1910:C:MET:HE1	2:81:A:CYS:HB2	11	0.55
(1,4690)	1:1914:C:VAL:HG21	1:1915:C:SER:HB2	5	0.55
(1,4571)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD21	14	0.55
(1,4571)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD22	14	0.55
(1,4571)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD23	14	0.55
(1,4412)	2:38:B:LEU:HD22	1:1928:C:PHE:HD2	13	0.55
(1,4161)	2:54:A:ALA:HB1	1:1900:C:LEU:HG	7	0.55
(1,4155)	2:58:A:LEU:HD13	1:1903:C:ALA:H	12	0.55
(1,4121)	2:77:B:VAL:HG11	1:1913:C:GLU:H	13	0.55
(1,4120)	2:77:B:VAL:HG13	1:1917:C:LEU:H	18	0.55
(1,4065)	2:85:B:MET:HE3	1:1930:C:VAL:HA	16	0.55
(1,4019)	2:38:B:LEU:HD13	1:1928:C:PHE:HD2	2	0.55
(1,3991)	2:58:B:LEU:HD13	1:1917:C:LEU:HD21	19	0.55
(1,3991)	2:58:B:LEU:HD13	1:1917:C:LEU:HD22	19	0.55
(1,3991)	2:58:B:LEU:HD13	1:1917:C:LEU:HD23	19	0.55
(1,3985)	2:62:B:LEU:HD23	1:1917:C:LEU:HA	9	0.55
(1,3985)	2:62:B:LEU:HD21	1:1917:C:LEU:HA	12	0.55
(1,3979)	2:62:B:LEU:HD12	1:1920:C:LYS:HG3	19	0.55
(1,3948)	2:77:A:VAL:HG13	1:1910:C:MET:HA	9	0.55
(1,3931)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	11	0.55
(1,3908)	2:38:A:LEU:HD11	1:1900:C:LEU:HB3	1	0.55
(1,3908)	2:38:A:LEU:HD13	1:1900:C:LEU:HB3	10	0.55
(1,3908)	2:38:A:LEU:HD13	1:1900:C:LEU:HB3	16	0.55
(1,3900)	2:62:A:LEU:HD23	1:1907:C:ALA:HB1	2	0.55
(1,3900)	2:62:A:LEU:HD23	1:1907:C:ALA:HB2	2	0.55
(1,3900)	2:62:A:LEU:HD23	1:1907:C:ALA:HB3	2	0.55
(1,3900)	2:62:A:LEU:HD23	1:1907:C:ALA:HB1	11	0.55
(1,3900)	2:62:A:LEU:HD23	1:1907:C:ALA:HB2	11	0.55
(1,3900)	2:62:A:LEU:HD23	1:1907:C:ALA:HB3	11	0.55
(1,2889)	2:49:A:ARG:H	2:54:A:ALA:HB3	20	0.55
(1,2517)	2:5:B:LEU:HD21	2:9:B:LEU:HD12	6	0.55
(1,2517)	2:5:B:LEU:HD23	2:9:B:LEU:HD12	17	0.55
(1,2453)	2:8:B:ALA:HB2	2:11:B:VAL:H	2	0.55
(1,2453)	2:8:B:ALA:HB3	2:11:B:VAL:H	3	0.55
(1,2453)	2:8:B:ALA:HB2	2:11:B:VAL:H	8	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2453)	2:8:B:ALA:HB3	2:11:B:VAL:H	10	0.55
(1,2452)	2:8:B:ALA:HB2	2:12:B:MET:H	12	0.55
(1,2451)	2:8:A:ALA:HB2	2:12:A:MET:H	12	0.55
(1,2317)	2:12:A:MET:HE1	2:12:A:MET:H	14	0.55
(1,2317)	2:12:A:MET:HE1	2:12:A:MET:H	16	0.55
(1,2317)	2:12:A:MET:HE1	2:12:A:MET:H	18	0.55
(1,2312)	2:12:A:MET:HE1	2:78:A:PHE:HD1	7	0.55
(1,2312)	2:12:A:MET:HE1	2:78:A:PHE:HD2	7	0.55
(1,2275)	2:12:B:MET:HE2	2:80:B:SER:HA	19	0.55
(1,1954)	2:34:B:LEU:HD22	2:38:B:LEU:HG	14	0.55
(1,1948)	2:34:B:LEU:HD22	1:1928:C:PHE:HZ	1	0.55
(1,1948)	2:34:B:LEU:HD22	1:1928:C:PHE:HZ	17	0.55
(1,1775)	2:37:B:LEU:HD12	2:29:B:LEU:HD12	16	0.55
(1,1754)	2:38:B:LEU:HD12	2:34:B:LEU:HG	1	0.55
(1,1652)	2:39:A:THR:HB	2:36:A:GLU:HB2	7	0.55
(1,1609)	2:42:B:LEU:HD11	2:45:B:PHE:H	1	0.55
(1,1563)	2:42:A:LEU:HD12	2:34:A:LEU:HA	16	0.55
(1,1544)	2:42:A:LEU:HD13	2:82:A:ILE:HG22	17	0.55
(1,1409)	2:49:A:ARG:HD3	2:54:A:ALA:HB1	9	0.55
(1,1361)	2:52:B:GLU:HG2	2:51:B:ASP:HB2	16	0.55
(1,1346)	2:52:A:GLU:HG2	2:53:A:ALA:HB1	4	0.55
(1,1345)	2:52:A:GLU:HG2	2:55:A:PHE:HB3	1	0.55
(1,1345)	2:52:A:GLU:HG2	2:55:A:PHE:HB3	9	0.55
(1,1345)	2:52:A:GLU:HG2	2:55:A:PHE:HB3	20	0.55
(1,1329)	2:53:B:ALA:HB2	2:57:B:LYS:HE2	17	0.55
(1,1155)	2:58:A:LEU:HD22	2:85:A:MET:HE1	7	0.55
(1,1155)	2:58:A:LEU:HD23	2:85:A:MET:HE2	11	0.55
(1,1071)	2:59:B:MET:HE3	2:29:B:LEU:HD23	1	0.55
(1,1046)	2:59:A:MET:HE3	2:67:A:ASP:H	8	0.55
(1,900)	2:62:A:LEU:HD12	2:61:A:ASN:HB3	5	0.55
(1,590)	2:77:B:VAL:HG11	1:1913:C:GLU:H	13	0.55
(1,584)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	11	0.55
(1,583)	2:77:A:VAL:HG22	1:1910:C:MET:HG2	14	0.55
(1,558)	2:77:A:VAL:HG22	1:1910:C:MET:H	19	0.55
(1,505)	2:79:B:LEU:HD22	2:78:B:PHE:HZ	2	0.55
(1,505)	2:79:B:LEU:HD22	2:78:B:PHE:HZ	11	0.55
(1,505)	2:79:B:LEU:HD22	2:78:B:PHE:HZ	17	0.55
(1,355)	2:82:B:ILE:HG22	2:78:B:PHE:HD1	2	0.55
(1,355)	2:82:B:ILE:HG22	2:78:B:PHE:HD2	2	0.55
(1,253)	2:84:B:MET:HE3	2:73:A:GLN:HE22	10	0.55
(1,214)	2:84:A:MET:HE1	2:72:B:PHE:HE1	7	0.55
(1,214)	2:84:A:MET:HE1	2:72:B:PHE:HE2	7	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,207)	2:84:A:MET:HE1	2:81:A:CYS:HG	9	0.55
(1,175)	2:85:B:MET:HE3	1:1928:C:PHE:HA	11	0.55
(1,126)	2:85:A:MET:HE2	1:1898:C:ARG:H	13	0.55
(1,6975)	2:78:B:PHE:HD2	1:1921:C:LEU:HD12	20	0.54
(1,6965)	2:26:B:LYS:H	2:26:B:LYS:HG3	13	0.54
(1,6858)	2:2:B:ALA:H	2:7:B:LYS:HB2	7	0.54
(1,6717)	2:23:B:GLU:H	2:23:B:GLU:HG2	19	0.54
(1,6516)	2:9:B:LEU:HD22	2:12:B:MET:HG3	12	0.54
(1,6487)	2:11:A:VAL:HG12	2:4:B:PRO:HD2	9	0.54
(1,6460)	2:12:A:MET:HE1	2:9:A:LEU:H	12	0.54
(1,6443)	2:12:B:MET:HE2	2:82:A:ILE:H	1	0.54
(1,6443)	2:12:B:MET:HE2	2:82:A:ILE:H	3	0.54
(1,6443)	2:12:B:MET:HE2	2:82:A:ILE:H	15	0.54
(1,6442)	2:12:B:MET:HE3	2:75:B:TYR:HD1	1	0.54
(1,6436)	2:12:B:MET:HE2	2:9:B:LEU:HD11	1	0.54
(1,6428)	2:13:A:VAL:HG21	2:72:A:PHE:HZ	3	0.54
(1,6355)	2:22:B:LYS:HD2	2:19:B:TYR:HE1	10	0.54
(1,6354)	2:22:B:LYS:HD2	2:19:B:TYR:HD1	1	0.54
(1,6301)	2:26:A:LYS:HD3	2:27:A:PHE:HE2	19	0.54
(1,6291)	2:26:A:LYS:HG2	2:21:A:GLY:HA2	9	0.54
(1,6250)	2:28:B:LYS:HB3	2:29:B:LEU:HB2	3	0.54
(1,6250)	2:28:B:LYS:HB3	2:29:B:LEU:HB2	15	0.54
(1,6187)	2:34:A:LEU:HD23	2:36:A:GLU:H	11	0.54
(1,6183)	2:34:A:LEU:HD23	2:38:A:LEU:HG	10	0.54
(1,6175)	2:34:A:LEU:HD11	2:78:A:PHE:HB3	12	0.54
(1,6158)	2:88:B:GLU:HG3	2:87:B:ASN:HA	5	0.54
(1,6071)	2:39:B:THR:HG23	2:38:B:LEU:HB3	8	0.54
(1,6071)	2:39:B:THR:HG22	2:38:B:LEU:HB3	13	0.54
(1,6071)	2:39:B:THR:HG23	2:38:B:LEU:HB3	15	0.54
(1,6067)	2:40:B:ARG:HD3	2:19:B:TYR:HE1	12	0.54
(1,6067)	2:40:A:ARG:HD3	2:19:A:TYR:HE1	17	0.54
(1,6048)	2:42:B:LEU:HD22	2:79:B:LEU:HD22	14	0.54
(1,6038)	2:42:A:LEU:HD11	2:6:B:GLU:HA	20	0.54
(1,6020)	2:46:A:LEU:HD22	1:1900:C:LEU:HG	11	0.54
(1,6019)	2:46:A:LEU:HD21	2:55:A:PHE:HA	1	0.54
(1,5994)	2:54:B:ALA:HB1	1:1926:C:LEU:HD12	1	0.54
(1,5962)	2:58:A:LEU:HD13	2:61:A:ASN:HA	8	0.54
(1,5962)	2:58:A:LEU:HD12	2:61:A:ASN:HA	11	0.54
(1,5962)	2:58:A:LEU:HD13	2:61:A:ASN:HA	13	0.54
(1,5949)	2:59:A:MET:HE3	2:29:A:LEU:H	15	0.54
(1,5946)	2:59:A:MET:HE3	2:30:A:ASN:HB3	11	0.54
(1,5815)	2:79:B:LEU:HD21	2:9:A:LEU:HD23	9	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5814)	2:79:B:LEU:HD12	2:42:B:LEU:HD22	7	0.54
(1,5814)	2:79:B:LEU:HD11	2:9:A:LEU:HD23	9	0.54
(1,5812)	2:79:B:LEU:HD13	2:75:B:TYR:HA	3	0.54
(1,5804)	2:79:A:LEU:HD22	2:12:B:MET:HE2	11	0.54
(1,5783)	2:82:A:ILE:HD12	2:79:A:LEU:H	6	0.54
(1,5764)	2:83:A:ALA:HB1	2:72:B:PHE:HE1	20	0.54
(1,5744)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	1	0.54
(1,5744)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	4	0.54
(1,5743)	2:85:B:MET:HE2	1:1918:C:LYS:HE3	2	0.54
(1,5639)	1:1901:C:GLU:HB2	1:1905:C:GLU:HB2	3	0.54
(1,5639)	1:1901:C:GLU:HB2	1:1905:C:GLU:HB2	9	0.54
(1,5639)	1:1901:C:GLU:HB2	1:1905:C:GLU:HB2	10	0.54
(1,5570)	1:1906:C:THR:HG21	1:1905:C:GLU:HG2	6	0.54
(1,5570)	1:1906:C:THR:HG22	1:1905:C:GLU:HG2	6	0.54
(1,5570)	1:1906:C:THR:HG23	1:1905:C:GLU:HG2	6	0.54
(1,5500)	1:1910:C:MET:HE3	2:73:B:GLN:HA	1	0.54
(1,5500)	1:1910:C:MET:HE3	2:73:B:GLN:HA	2	0.54
(1,5500)	1:1910:C:MET:HE2	2:73:B:GLN:HA	4	0.54
(1,5486)	1:1910:C:MET:HE2	2:77:B:VAL:HG12	19	0.54
(1,5400)	1:1914:C:VAL:HG22	2:81:B:CYS:HB3	5	0.54
(1,5080)	1:1899:C:GLU:H	1:1898:C:ARG:HD3	12	0.54
(1,5009)	1:1909:C:ALA:H	1:1905:C:GLU:HB3	10	0.54
(1,4846)	1:1926:C:LEU:H	2:54:B:ALA:HA	20	0.54
(1,4422)	2:58:B:LEU:HD11	1:1928:C:PHE:HZ	18	0.54
(1,4150)	2:61:B:ASN:HA	1:1926:C:LEU:HG	13	0.54
(1,4121)	2:77:B:VAL:HG13	1:1913:C:GLU:H	9	0.54
(1,4061)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	1	0.54
(1,4061)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	4	0.54
(1,4054)	2:85:B:MET:HE1	1:1921:C:LEU:HD11	19	0.54
(1,4054)	2:85:B:MET:HE1	1:1921:C:LEU:HD12	19	0.54
(1,4054)	2:85:B:MET:HE1	1:1921:C:LEU:HD13	19	0.54
(1,3985)	2:62:B:LEU:HD23	1:1917:C:LEU:HA	3	0.54
(1,3931)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	16	0.54
(1,3931)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	19	0.54
(1,3931)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	20	0.54
(1,3919)	2:58:A:LEU:HD11	1:1899:C:GLU:HG3	8	0.54
(1,3809)	2:18:A:LYS:H	2:18:A:LYS:HE2	19	0.54
(1,3716)	2:89:B:PHE:H	2:101:B:LYS:HG2	13	0.54
(1,2988)	2:61:A:ASN:H	2:62:A:LEU:HD21	13	0.54
(1,2728)	2:21:B:GLY:H	2:26:B:LYS:HD3	9	0.54
(1,2517)	2:5:B:LEU:HD23	2:9:B:LEU:HD12	3	0.54
(1,2517)	2:5:B:LEU:HD23	2:9:B:LEU:HD12	4	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2517)	2:5:B:LEU:HD23	2:9:B:LEU:HD13	11	0.54
(1,2453)	2:8:B:ALA:HB3	2:11:B:VAL:H	4	0.54
(1,2451)	2:8:A:ALA:HB3	2:12:A:MET:H	11	0.54
(1,2317)	2:12:A:MET:HE1	2:12:A:MET:H	17	0.54
(1,2216)	2:13:A:VAL:HG12	2:10:A:ASP:HA	13	0.54
(1,2129)	2:18:B:LYS:HE2	2:18:B:LYS:H	19	0.54
(1,1954)	2:34:B:LEU:HD23	2:38:B:LEU:HG	15	0.54
(1,1948)	2:34:B:LEU:HD22	1:1928:C:PHE:HZ	14	0.54
(1,1918)	2:34:A:LEU:HD21	2:33:A:GLU:H	15	0.54
(1,1914)	2:34:A:LEU:HD23	2:31:A:LYS:HA	19	0.54
(1,1771)	2:37:A:LEU:HD11	2:16:A:PHE:HA	17	0.54
(1,1754)	2:38:B:LEU:HD11	2:34:B:LEU:HG	7	0.54
(1,1695)	2:38:A:LEU:HD13	2:42:A:LEU:H	3	0.54
(1,1695)	2:38:A:LEU:HD11	2:42:A:LEU:H	19	0.54
(1,1657)	2:39:B:THR:HG21	2:40:B:ARG:HD2	3	0.54
(1,1652)	2:39:A:THR:HB	2:36:A:GLU:HB2	8	0.54
(1,1582)	2:42:B:LEU:HD13	2:82:B:ILE:HG21	7	0.54
(1,1543)	2:42:A:LEU:HD13	2:82:A:ILE:HD12	18	0.54
(1,1483)	2:46:A:LEU:HD22	1:1897:C:GLN:HG2	1	0.54
(1,1409)	2:49:A:ARG:HD3	2:54:A:ALA:HB3	6	0.54
(1,1361)	2:52:B:GLU:HG2	2:51:B:ASP:HB2	4	0.54
(1,1332)	2:53:B:ALA:HB3	2:56:B:GLN:H	4	0.54
(1,1329)	2:53:B:ALA:HB1	2:57:B:LYS:HE2	13	0.54
(1,1327)	2:53:B:ALA:HB2	2:56:B:GLN:HB3	17	0.54
(1,1270)	2:56:B:GLN:HB2	2:57:B:LYS:HB2	2	0.54
(1,1157)	2:58:A:LEU:HD23	2:45:A:PHE:HB3	20	0.54
(1,1139)	2:58:A:LEU:HD11	1:1899:C:GLU:HG3	8	0.54
(1,1122)	2:58:A:LEU:HD11	2:61:A:ASN:HD21	20	0.54
(1,1107)	2:59:B:MET:HE3	2:71:B:ASP:H	6	0.54
(1,1098)	2:59:B:MET:HE1	2:62:B:LEU:H	12	0.54
(1,1092)	2:59:B:MET:HE2	2:61:B:ASN:H	2	0.54
(1,1091)	2:59:B:MET:HE2	2:69:B:GLU:H	3	0.54
(1,1085)	2:59:B:MET:HE1	2:31:B:LYS:HA	9	0.54
(1,1074)	2:59:B:MET:HE3	2:70:B:VAL:HG11	6	0.54
(1,1070)	2:59:B:MET:HE1	2:62:B:LEU:HD21	18	0.54
(1,1046)	2:59:A:MET:HE2	2:67:A:ASP:H	18	0.54
(1,1033)	2:59:A:MET:HE1	2:68:A:ASN:HB2	12	0.54
(1,1001)	2:60:B:SER:HB3	2:63:B:ASP:HB2	15	0.54
(1,785)	2:70:B:VAL:HG22	2:29:B:LEU:HD11	4	0.54
(1,785)	2:70:B:VAL:HG22	2:29:B:LEU:HD11	19	0.54
(1,781)	2:70:B:VAL:HG21	2:62:B:LEU:HD23	11	0.54
(1,590)	2:77:B:VAL:HG13	1:1913:C:GLU:H	9	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,584)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	16	0.54
(1,584)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	19	0.54
(1,584)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	20	0.54
(1,558)	2:77:A:VAL:HG22	1:1910:C:MET:H	6	0.54
(1,558)	2:77:A:VAL:HG22	1:1910:C:MET:H	18	0.54
(1,505)	2:79:B:LEU:HD22	2:78:B:PHE:HZ	19	0.54
(1,376)	2:82:B:ILE:HG23	1:1929:C:VAL:HG11	20	0.54
(1,376)	2:82:B:ILE:HG23	1:1929:C:VAL:HG12	20	0.54
(1,376)	2:82:B:ILE:HG23	1:1929:C:VAL:HG13	20	0.54
(1,355)	2:82:B:ILE:HG22	2:78:B:PHE:HD1	19	0.54
(1,355)	2:82:B:ILE:HG22	2:78:B:PHE:HD2	19	0.54
(1,266)	2:83:A:ALA:HB2	2:76:B:CYS:H	6	0.54
(1,246)	2:84:B:MET:HE2	1:1918:C:LYS:HE2	10	0.54
(1,207)	2:84:A:MET:HE3	2:81:A:CYS:HG	13	0.54
(1,178)	2:85:B:MET:HE2	1:1928:C:PHE:HZ	15	0.54
(1,176)	2:85:B:MET:HE1	1:1928:C:PHE:H	1	0.54
(1,6713)	2:23:B:GLU:H	2:23:B:GLU:HG3	13	0.53
(1,6612)	2:3:A:CYS:HB3	2:43:B:PRO:HD3	7	0.53
(1,6593)	2:5:B:LEU:HD23	2:37:A:LEU:HD22	6	0.53
(1,6537)	2:8:A:ALA:HB1	2:12:B:MET:HG3	17	0.53
(1,6535)	2:8:B:ALA:HA	2:11:B:VAL:HB	2	0.53
(1,6450)	2:12:A:MET:HE1	2:11:A:VAL:HG23	4	0.53
(1,6450)	2:12:A:MET:HE1	2:11:A:VAL:HG23	5	0.53
(1,6450)	2:12:A:MET:HE1	2:11:A:VAL:HG22	12	0.53
(1,6443)	2:12:B:MET:HE2	2:82:A:ILE:H	17	0.53
(1,6428)	2:13:B:VAL:HG22	2:72:B:PHE:HZ	20	0.53
(1,6183)	2:34:A:LEU:HD22	2:38:A:LEU:HG	1	0.53
(1,6183)	2:34:A:LEU:HD22	2:38:A:LEU:HG	4	0.53
(1,6183)	2:34:A:LEU:HD22	2:38:A:LEU:HG	11	0.53
(1,6183)	2:34:A:LEU:HD22	2:38:A:LEU:HG	14	0.53
(1,6138)	2:37:A:LEU:HD13	2:29:A:LEU:HD12	4	0.53
(1,6136)	2:37:B:LEU:HD12	2:36:B:GLU:HB2	17	0.53
(1,6066)	2:40:A:ARG:HD3	2:19:A:TYR:HD2	8	0.53
(1,6048)	2:42:B:LEU:HD23	2:79:B:LEU:HD22	20	0.53
(1,6038)	2:42:A:LEU:HD11	2:6:B:GLU:HA	5	0.53
(1,6010)	2:49:B:ARG:HD2	2:35:B:LYS:HD2	11	0.53
(1,5972)	2:58:B:LEU:HD22	2:62:B:LEU:HD13	15	0.53
(1,5960)	2:59:B:MET:HE1	2:60:B:SER:HA	1	0.53
(1,5897)	2:62:A:LEU:HD21	2:59:A:MET:HE3	6	0.53
(1,5891)	2:64:B:SER:HB2	2:65:B:ASN:HB3	2	0.53
(1,5865)	2:73:A:GLN:HA	1:1914:C:VAL:HG23	18	0.53
(1,5865)	2:73:A:GLN:HA	1:1914:C:VAL:HG21	19	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5792)	2:82:B:ILE:HD12	1:1921:C:LEU:HD12	11	0.53
(1,5783)	2:82:A:ILE:HD11	2:79:A:LEU:H	17	0.53
(1,5570)	1:1906:C:THR:HG21	1:1905:C:GLU:HG2	2	0.53
(1,5570)	1:1906:C:THR:HG22	1:1905:C:GLU:HG2	2	0.53
(1,5570)	1:1906:C:THR:HG23	1:1905:C:GLU:HG2	2	0.53
(1,5570)	1:1906:C:THR:HG21	1:1905:C:GLU:HG2	16	0.53
(1,5570)	1:1906:C:THR:HG22	1:1905:C:GLU:HG2	16	0.53
(1,5570)	1:1906:C:THR:HG23	1:1905:C:GLU:HG2	16	0.53
(1,5497)	1:1910:C:MET:HE3	2:81:A:CYS:HB2	17	0.53
(1,5482)	1:1910:C:MET:HG3	2:73:B:GLN:HB3	6	0.53
(1,5482)	1:1910:C:MET:HG3	2:73:B:GLN:HB3	7	0.53
(1,5009)	1:1909:C:ALA:H	1:1905:C:GLU:HB3	20	0.53
(1,4422)	2:58:B:LEU:HD11	1:1928:C:PHE:HZ	3	0.53
(1,4422)	2:58:B:LEU:HD13	1:1928:C:PHE:HZ	19	0.53
(1,4163)	2:54:A:ALA:HB1	1:1897:C:GLN:HA	3	0.53
(1,4148)	2:61:B:ASN:HA	1:1917:C:LEU:HD21	9	0.53
(1,4148)	2:61:B:ASN:HA	1:1917:C:LEU:HD22	9	0.53
(1,4148)	2:61:B:ASN:HA	1:1917:C:LEU:HD23	9	0.53
(1,4148)	2:61:B:ASN:HA	1:1917:C:LEU:HD21	13	0.53
(1,4148)	2:61:B:ASN:HA	1:1917:C:LEU:HD22	13	0.53
(1,4148)	2:61:B:ASN:HA	1:1917:C:LEU:HD23	13	0.53
(1,4121)	2:77:B:VAL:HG12	1:1913:C:GLU:H	1	0.53
(1,4121)	2:77:B:VAL:HG12	1:1913:C:GLU:H	11	0.53
(1,4065)	2:85:B:MET:HE3	1:1930:C:VAL:HA	12	0.53
(1,4062)	2:85:B:MET:HE1	1:1922:C:ARG:HD3	1	0.53
(1,4019)	2:38:B:LEU:HD11	1:1928:C:PHE:HD2	5	0.53
(1,3985)	2:62:B:LEU:HD21	1:1917:C:LEU:HA	8	0.53
(1,3985)	2:62:B:LEU:HD21	1:1917:C:LEU:HA	15	0.53
(1,3985)	2:62:B:LEU:HD21	1:1917:C:LEU:HA	16	0.53
(1,3963)	2:77:B:VAL:HG22	1:1920:C:LYS:HG3	3	0.53
(1,3954)	2:77:B:VAL:HG13	1:1914:C:VAL:HG11	2	0.53
(1,3954)	2:77:B:VAL:HG13	1:1914:C:VAL:HG12	2	0.53
(1,3954)	2:77:B:VAL:HG13	1:1914:C:VAL:HG13	2	0.53
(1,3919)	2:58:A:LEU:HD11	1:1899:C:GLU:HG3	6	0.53
(1,3900)	2:62:A:LEU:HD21	1:1907:C:ALA:HB1	10	0.53
(1,3900)	2:62:A:LEU:HD21	1:1907:C:ALA:HB2	10	0.53
(1,3900)	2:62:A:LEU:HD21	1:1907:C:ALA:HB3	10	0.53
(1,3809)	2:18:A:LYS:H	2:18:A:LYS:HE3	3	0.53
(1,3809)	2:18:A:LYS:H	2:18:A:LYS:HE2	14	0.53
(1,2554)	2:5:A:LEU:HD23	2:9:A:LEU:HD12	12	0.53
(1,2453)	2:8:B:ALA:HB3	2:11:B:VAL:H	17	0.53
(1,2453)	2:8:B:ALA:HB1	2:11:B:VAL:H	19	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2452)	2:8:B:ALA:HB2	2:12:B:MET:H	1	0.53
(1,2451)	2:8:A:ALA:HB3	2:12:A:MET:H	8	0.53
(1,2349)	2:11:A:VAL:HG23	2:15:A:THR:HA	14	0.53
(1,2331)	2:11:A:VAL:HG11	2:7:A:LYS:HG2	9	0.53
(1,2317)	2:12:A:MET:HE1	2:12:A:MET:H	7	0.53
(1,2313)	2:12:A:MET:HE3	2:9:B:LEU:H	19	0.53
(1,2279)	2:12:B:MET:HE2	2:83:A:ALA:H	10	0.53
(1,2279)	2:12:B:MET:HE2	2:83:A:ALA:H	19	0.53
(1,2271)	2:12:B:MET:HE3	2:79:B:LEU:HA	20	0.53
(1,2182)	2:15:B:THR:HG23	2:41:B:GLU:HG2	11	0.53
(1,2039)	2:29:B:LEU:HD13	2:34:B:LEU:HA	17	0.53
(1,2031)	2:29:A:LEU:HD12	2:37:A:LEU:HD13	4	0.53
(1,1988)	2:31:A:LYS:HD2	2:55:A:PHE:HD2	14	0.53
(1,1948)	2:34:B:LEU:HD22	1:1928:C:PHE:HZ	3	0.53
(1,1948)	2:34:B:LEU:HD23	1:1928:C:PHE:HZ	12	0.53
(1,1918)	2:34:A:LEU:HD23	2:33:A:GLU:H	17	0.53
(1,1775)	2:37:B:LEU:HD13	2:29:B:LEU:HD12	4	0.53
(1,1775)	2:37:B:LEU:HD12	2:29:B:LEU:HD12	6	0.53
(1,1774)	2:37:B:LEU:HD11	2:16:B:PHE:HA	17	0.53
(1,1652)	2:39:A:THR:HB	2:36:A:GLU:HB2	9	0.53
(1,1652)	2:39:A:THR:HB	2:36:A:GLU:HB3	15	0.53
(1,1582)	2:42:B:LEU:HD13	2:82:B:ILE:HG21	5	0.53
(1,1563)	2:42:A:LEU:HD12	2:34:A:LEU:HA	17	0.53
(1,1408)	2:49:A:ARG:HD2	2:54:A:ALA:HB2	5	0.53
(1,1407)	2:49:A:ARG:HG2	2:54:A:ALA:HB2	17	0.53
(1,1347)	2:52:A:GLU:HG2	2:35:A:LYS:HD3	2	0.53
(1,1347)	2:52:A:GLU:HG2	2:35:A:LYS:HD2	8	0.53
(1,1347)	2:52:A:GLU:HG2	2:35:A:LYS:HD3	18	0.53
(1,1346)	2:52:A:GLU:HG2	2:53:A:ALA:HB2	18	0.53
(1,1345)	2:52:A:GLU:HG2	2:55:A:PHE:HB3	3	0.53
(1,1345)	2:52:A:GLU:HG2	2:55:A:PHE:HB3	15	0.53
(1,1329)	2:53:B:ALA:HB2	2:57:B:LYS:HE2	1	0.53
(1,1329)	2:53:B:ALA:HB3	2:57:B:LYS:HE2	19	0.53
(1,1322)	2:53:A:ALA:HB1	2:56:A:GLN:HE22	3	0.53
(1,1270)	2:56:B:GLN:HB2	2:57:B:LYS:HB2	12	0.53
(1,1139)	2:58:A:LEU:HD11	1:1899:C:GLU:HG3	6	0.53
(1,1107)	2:59:B:MET:HE3	2:71:B:ASP:H	20	0.53
(1,1092)	2:59:B:MET:HE1	2:61:B:ASN:H	4	0.53
(1,1091)	2:59:B:MET:HE2	2:69:B:GLU:H	7	0.53
(1,1091)	2:59:B:MET:HE2	2:69:B:GLU:H	11	0.53
(1,1046)	2:59:A:MET:HE3	2:67:A:ASP:H	14	0.53
(1,1041)	2:59:A:MET:HE1	2:55:A:PHE:HD2	4	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1033)	2:59:A:MET:HE1	2:68:A:ASN:HB2	9	0.53
(1,983)	2:61:B:ASN:HB3	1:1917:C:LEU:HD21	20	0.53
(1,983)	2:61:B:ASN:HB3	1:1917:C:LEU:HD22	20	0.53
(1,983)	2:61:B:ASN:HB3	1:1917:C:LEU:HD23	20	0.53
(1,961)	2:62:B:LEU:HD22	2:78:B:PHE:H	2	0.53
(1,590)	2:77:B:VAL:HG12	1:1913:C:GLU:H	1	0.53
(1,590)	2:77:B:VAL:HG12	1:1913:C:GLU:H	11	0.53
(1,583)	2:77:A:VAL:HG22	1:1910:C:MET:HG2	4	0.53
(1,505)	2:79:B:LEU:HD22	2:78:B:PHE:HZ	4	0.53
(1,505)	2:79:B:LEU:HD22	2:78:B:PHE:HZ	9	0.53
(1,505)	2:79:B:LEU:HD22	2:78:B:PHE:HZ	14	0.53
(1,383)	2:82:B:ILE:HD11	2:85:B:MET:HE3	17	0.53
(1,383)	2:82:B:ILE:HD11	2:85:B:MET:HE3	19	0.53
(1,266)	2:83:A:ALA:HB1	2:76:B:CYS:H	13	0.53
(1,243)	2:84:B:MET:HE2	2:85:B:MET:HB2	12	0.53
(1,207)	2:84:A:MET:HE1	2:81:A:CYS:HG	15	0.53
(1,175)	2:85:B:MET:HE3	1:1928:C:PHE:HA	15	0.53
(1,169)	2:85:B:MET:HE1	1:1922:C:ARG:HD3	19	0.53
(1,134)	2:85:A:MET:HE3	2:82:A:ILE:HD13	2	0.53
(1,6968)	2:17:A:HIS:H	2:26:A:LYS:HE2	11	0.52
(1,6968)	2:17:A:HIS:H	2:26:A:LYS:HE2	20	0.52
(1,6858)	2:2:B:ALA:H	2:7:B:LYS:HB2	19	0.52
(1,6809)	2:61:A:ASN:H	2:59:A:MET:HB2	19	0.52
(1,6790)	2:41:A:GLU:H	2:19:A:TYR:HE1	7	0.52
(1,6516)	2:9:B:LEU:HD23	2:12:B:MET:HG3	1	0.52
(1,6462)	2:12:A:MET:HE2	2:84:B:MET:H	20	0.52
(1,6443)	2:12:B:MET:HE2	2:82:A:ILE:H	11	0.52
(1,6440)	2:12:B:MET:HE1	2:9:B:LEU:HA	17	0.52
(1,6270)	2:27:B:PHE:HA	2:75:B:TYR:HD2	8	0.52
(1,6210)	2:32:B:SER:HB2	2:33:B:GLU:H	7	0.52
(1,6183)	2:34:A:LEU:HD22	2:38:A:LEU:HG	8	0.52
(1,6105)	2:38:B:LEU:HD22	2:58:B:LEU:HD22	13	0.52
(1,6096)	2:38:A:LEU:HD22	2:62:A:LEU:HD22	19	0.52
(1,6086)	2:38:A:LEU:HD23	2:55:A:PHE:HA	19	0.52
(1,6067)	2:40:B:ARG:HD3	2:19:B:TYR:HE2	2	0.52
(1,6063)	2:40:B:ARG:HD2	2:39:B:THR:HG21	1	0.52
(1,5945)	2:59:A:MET:HE3	2:63:A:ASP:HB2	5	0.52
(1,5761)	2:83:A:ALA:HB2	2:80:A:SER:H	17	0.52
(1,5744)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	20	0.52
(1,5743)	2:85:B:MET:HE2	1:1918:C:LYS:HE3	6	0.52
(1,5743)	2:85:B:MET:HE2	1:1918:C:LYS:HE3	12	0.52
(1,5639)	1:1901:C:GLU:HB2	1:1905:C:GLU:HB2	18	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5570)	1:1906:C:THR:HG21	1:1905:C:GLU:HG2	9	0.52
(1,5570)	1:1906:C:THR:HG22	1:1905:C:GLU:HG2	9	0.52
(1,5570)	1:1906:C:THR:HG23	1:1905:C:GLU:HG2	9	0.52
(1,5500)	1:1910:C:MET:HE3	2:73:B:GLN:HA	12	0.52
(1,5080)	1:1899:C:GLU:H	1:1898:C:ARG:HD3	5	0.52
(1,5009)	1:1909:C:ALA:H	1:1905:C:GLU:HB3	3	0.52
(1,5009)	1:1909:C:ALA:H	1:1905:C:GLU:HB3	14	0.52
(1,4846)	1:1926:C:LEU:H	1:1920:C:LYS:HA	7	0.52
(1,4191)	2:50:B:THR:HA	1:1928:C:PHE:HD2	14	0.52
(1,4180)	2:46:A:LEU:HD22	1:1900:C:LEU:HB3	11	0.52
(1,4078)	2:84:A:MET:HE3	1:1910:C:MET:HB3	7	0.52
(1,4078)	2:84:A:MET:HE3	1:1910:C:MET:HB3	11	0.52
(1,4065)	2:85:B:MET:HE3	1:1930:C:VAL:HA	19	0.52
(1,4061)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	20	0.52
(1,3985)	2:62:B:LEU:HD23	1:1917:C:LEU:HA	2	0.52
(1,3948)	2:77:A:VAL:HG12	1:1910:C:MET:HA	12	0.52
(1,3948)	2:77:A:VAL:HG13	1:1910:C:MET:HA	18	0.52
(1,3931)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	14	0.52
(1,3908)	2:38:A:LEU:HD12	1:1900:C:LEU:HB3	5	0.52
(1,3900)	2:62:A:LEU:HD21	1:1907:C:ALA:HB1	9	0.52
(1,3900)	2:62:A:LEU:HD21	1:1907:C:ALA:HB2	9	0.52
(1,3900)	2:62:A:LEU:HD21	1:1907:C:ALA:HB3	9	0.52
(1,3900)	2:62:A:LEU:HD21	1:1907:C:ALA:HB1	16	0.52
(1,3900)	2:62:A:LEU:HD21	1:1907:C:ALA:HB2	16	0.52
(1,3900)	2:62:A:LEU:HD21	1:1907:C:ALA:HB3	16	0.52
(1,3787)	2:28:A:LYS:H	2:28:A:LYS:HE3	15	0.52
(1,2452)	2:8:B:ALA:HB3	2:12:B:MET:H	8	0.52
(1,2451)	2:8:A:ALA:HB2	2:12:A:MET:H	1	0.52
(1,2317)	2:12:A:MET:HE1	2:12:A:MET:H	8	0.52
(1,2300)	2:12:A:MET:HE3	2:79:A:LEU:HD11	1	0.52
(1,2271)	2:12:B:MET:HE3	2:79:B:LEU:HA	16	0.52
(1,2238)	2:13:A:VAL:HG22	2:17:A:HIS:HD2	16	0.52
(1,2129)	2:18:B:LYS:HE2	2:18:B:LYS:H	2	0.52
(1,2129)	2:18:B:LYS:HE2	2:18:B:LYS:H	14	0.52
(1,2039)	2:29:B:LEU:HD11	2:34:B:LEU:HA	1	0.52
(1,1961)	2:34:B:LEU:HD23	2:62:B:LEU:HD13	9	0.52
(1,1951)	2:34:B:LEU:HD23	2:31:B:LYS:HA	15	0.52
(1,1914)	2:34:A:LEU:HD23	2:31:A:LYS:HA	15	0.52
(1,1903)	2:34:A:LEU:HD12	2:55:A:PHE:HD2	14	0.52
(1,1903)	2:34:A:LEU:HD13	2:55:A:PHE:HE1	15	0.52
(1,1754)	2:38:B:LEU:HD13	2:34:B:LEU:HG	5	0.52
(1,1705)	2:38:A:LEU:HD11	2:50:A:THR:HB	8	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1671)	2:39:B:THR:HG21	2:40:B:ARG:HD2	1	0.52
(1,1591)	2:42:B:LEU:HD13	2:6:A:GLU:HB2	19	0.52
(1,1570)	2:42:A:LEU:HD13	2:19:A:TYR:HD1	6	0.52
(1,1570)	2:42:A:LEU:HD13	2:19:A:TYR:HD2	6	0.52
(1,1563)	2:42:A:LEU:HD12	2:34:A:LEU:HA	13	0.52
(1,1467)	2:46:A:LEU:HD23	1:1897:C:GLN:HE22	20	0.52
(1,1408)	2:49:A:ARG:HD2	2:54:A:ALA:HB2	19	0.52
(1,1361)	2:52:B:GLU:HG3	2:51:B:ASP:HB2	15	0.52
(1,1345)	2:52:A:GLU:HG2	2:55:A:PHE:HB3	8	0.52
(1,1317)	2:53:A:ALA:HB2	2:52:A:GLU:HG2	16	0.52
(1,1107)	2:59:B:MET:HE3	2:71:B:ASP:H	11	0.52
(1,1098)	2:59:B:MET:HE1	2:62:B:LEU:H	5	0.52
(1,1093)	2:59:B:MET:HE3	2:30:B:ASN:HD22	2	0.52
(1,1093)	2:59:B:MET:HE2	2:30:B:ASN:HD22	7	0.52
(1,1093)	2:59:B:MET:HE3	2:30:B:ASN:HD22	16	0.52
(1,1079)	2:59:B:MET:HE2	2:59:B:MET:HG3	9	0.52
(1,1049)	2:59:A:MET:HE3	2:71:A:ASP:H	4	0.52
(1,1001)	2:60:B:SER:HB3	2:63:B:ASP:HB2	7	0.52
(1,1001)	2:60:B:SER:HB3	2:63:B:ASP:HB2	18	0.52
(1,944)	2:62:B:LEU:HD22	2:70:B:VAL:HB	19	0.52
(1,744)	2:70:A:VAL:HG22	2:75:A:TYR:H	17	0.52
(1,584)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	14	0.52
(1,583)	2:77:A:VAL:HG22	1:1910:C:MET:HG2	7	0.52
(1,558)	2:77:A:VAL:HG22	1:1910:C:MET:H	13	0.52
(1,505)	2:79:B:LEU:HD22	2:78:B:PHE:HZ	1	0.52
(1,505)	2:79:B:LEU:HD22	2:78:B:PHE:HZ	6	0.52
(1,505)	2:79:B:LEU:HD22	2:78:B:PHE:HZ	7	0.52
(1,383)	2:82:B:ILE:HD11	2:85:B:MET:HE3	5	0.52
(1,383)	2:82:B:ILE:HD11	2:85:B:MET:HE3	7	0.52
(1,383)	2:82:B:ILE:HD11	2:85:B:MET:HE3	11	0.52
(1,383)	2:82:B:ILE:HD11	2:85:B:MET:HE3	13	0.52
(1,355)	2:82:B:ILE:HG21	2:78:B:PHE:HD1	7	0.52
(1,355)	2:82:B:ILE:HG21	2:78:B:PHE:HD2	7	0.52
(1,243)	2:84:B:MET:HE2	2:85:B:MET:HB2	2	0.52
(1,243)	2:84:B:MET:HE2	2:85:B:MET:HB2	5	0.52
(1,213)	2:84:A:MET:HE1	2:72:B:PHE:HD1	10	0.52
(1,213)	2:84:A:MET:HE1	2:72:B:PHE:HD2	10	0.52
(1,207)	2:84:A:MET:HE3	2:81:A:CYS:HG	19	0.52
(1,178)	2:85:B:MET:HE1	1:1928:C:PHE:HZ	3	0.52
(1,169)	2:85:B:MET:HE1	1:1922:C:ARG:HD3	7	0.52
(1,169)	2:85:B:MET:HE1	1:1922:C:ARG:HD2	15	0.52
(1,7005)	2:72:A:PHE:HE1	2:13:A:VAL:HG22	8	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6991)	2:27:A:PHE:HD2	2:27:A:PHE:H	9	0.51
(1,6828)	2:75:A:TYR:H	2:29:A:LEU:HD11	4	0.51
(1,6717)	2:23:A:GLU:H	2:23:A:GLU:HG2	10	0.51
(1,6574)	2:6:A:GLU:HA	2:41:B:GLU:HB2	2	0.51
(1,6573)	2:6:B:GLU:HA	2:43:A:PRO:HD3	5	0.51
(1,6557)	2:8:B:ALA:HB3	2:6:B:GLU:H	9	0.51
(1,6557)	2:8:B:ALA:HB3	2:6:B:GLU:H	10	0.51
(1,6557)	2:8:A:ALA:HB1	2:6:A:GLU:H	14	0.51
(1,6487)	2:11:A:VAL:HG11	2:4:B:PRO:HD2	1	0.51
(1,6450)	2:12:A:MET:HE1	2:11:A:VAL:HG22	7	0.51
(1,6443)	2:12:B:MET:HE2	2:82:A:ILE:H	18	0.51
(1,6360)	2:21:B:GLY:HA2	2:26:B:LYS:HD3	8	0.51
(1,6323)	2:23:A:GLU:HB2	2:30:A:ASN:HD22	11	0.51
(1,6219)	2:30:A:ASN:HA	2:69:A:GLU:HG2	14	0.51
(1,6105)	2:38:B:LEU:HD22	2:58:B:LEU:HD22	5	0.51
(1,6086)	2:38:A:LEU:HD21	2:55:A:PHE:HA	20	0.51
(1,6071)	2:39:B:THR:HG21	2:38:B:LEU:HB3	20	0.51
(1,6067)	2:40:A:ARG:HD3	2:19:A:TYR:HE2	8	0.51
(1,6048)	2:42:B:LEU:HD22	2:79:B:LEU:HD22	5	0.51
(1,6048)	2:42:B:LEU:HD23	2:79:B:LEU:HD22	17	0.51
(1,6041)	2:42:A:LEU:HD11	2:39:A:THR:H	4	0.51
(1,6010)	2:49:B:ARG:HD2	2:35:B:LYS:HD2	12	0.51
(1,5994)	2:54:B:ALA:HB3	1:1926:C:LEU:HD11	6	0.51
(1,5815)	2:79:B:LEU:HD21	2:9:A:LEU:HD23	7	0.51
(1,5753)	2:84:A:MET:HE1	2:73:B:GLN:H	12	0.51
(1,5746)	2:85:B:MET:HE3	2:78:B:PHE:HE1	5	0.51
(1,5639)	1:1901:C:GLU:HB2	1:1905:C:GLU:HB2	7	0.51
(1,5630)	1:1903:C:ALA:HB1	2:9:B:LEU:HD12	16	0.51
(1,5630)	1:1903:C:ALA:HB2	2:9:B:LEU:HD12	16	0.51
(1,5630)	1:1903:C:ALA:HB3	2:9:B:LEU:HD12	16	0.51
(1,5630)	1:1903:C:ALA:HB1	2:9:B:LEU:HD13	18	0.51
(1,5630)	1:1903:C:ALA:HB2	2:9:B:LEU:HD13	18	0.51
(1,5630)	1:1903:C:ALA:HB3	2:9:B:LEU:HD13	18	0.51
(1,5486)	1:1910:C:MET:HE1	2:77:B:VAL:HG11	18	0.51
(1,5053)	1:1904:C:THR:H	1:1902:C:ASP:HB3	4	0.51
(1,5009)	1:1909:C:ALA:H	1:1905:C:GLU:HB3	8	0.51
(1,4161)	2:54:A:ALA:HB3	1:1900:C:LEU:HG	3	0.51
(1,4161)	2:54:A:ALA:HB1	1:1900:C:LEU:HG	19	0.51
(1,4121)	2:77:B:VAL:HG13	1:1913:C:GLU:H	2	0.51
(1,4121)	2:77:B:VAL:HG13	1:1913:C:GLU:H	10	0.51
(1,4065)	2:85:B:MET:HE3	1:1930:C:VAL:HA	6	0.51
(1,4054)	2:85:B:MET:HE2	1:1921:C:LEU:HD11	7	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4054)	2:85:B:MET:HE2	1:1921:C:LEU:HD12	7	0.51
(1,4054)	2:85:B:MET:HE2	1:1921:C:LEU:HD13	7	0.51
(1,4054)	2:85:B:MET:HE1	1:1921:C:LEU:HD11	12	0.51
(1,4054)	2:85:B:MET:HE1	1:1921:C:LEU:HD12	12	0.51
(1,4054)	2:85:B:MET:HE1	1:1921:C:LEU:HD13	12	0.51
(1,3979)	2:62:B:LEU:HD12	1:1920:C:LYS:HG3	5	0.51
(1,3954)	2:77:B:VAL:HG13	1:1914:C:VAL:HG11	3	0.51
(1,3954)	2:77:B:VAL:HG13	1:1914:C:VAL:HG12	3	0.51
(1,3954)	2:77:B:VAL:HG13	1:1914:C:VAL:HG13	3	0.51
(1,3954)	2:77:B:VAL:HG12	1:1914:C:VAL:HG11	17	0.51
(1,3954)	2:77:B:VAL:HG12	1:1914:C:VAL:HG12	17	0.51
(1,3954)	2:77:B:VAL:HG12	1:1914:C:VAL:HG13	17	0.51
(1,3948)	2:77:A:VAL:HG12	1:1910:C:MET:HA	11	0.51
(1,3931)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	12	0.51
(1,3908)	2:38:A:LEU:HD12	1:1900:C:LEU:HB3	3	0.51
(1,3809)	2:18:A:LYS:H	2:18:A:LYS:HE2	2	0.51
(1,3809)	2:18:A:LYS:H	2:18:A:LYS:HE3	10	0.51
(1,2495)	2:5:B:LEU:HD13	2:6:B:GLU:HA	4	0.51
(1,2317)	2:12:A:MET:HE1	2:12:A:MET:H	3	0.51
(1,2317)	2:12:A:MET:HE1	2:12:A:MET:H	12	0.51
(1,2317)	2:12:A:MET:HE1	2:12:A:MET:H	20	0.51
(1,2312)	2:12:A:MET:HE1	2:78:A:PHE:HD1	20	0.51
(1,2312)	2:12:A:MET:HE1	2:78:A:PHE:HD2	20	0.51
(1,2271)	2:12:B:MET:HE3	2:79:B:LEU:HA	11	0.51
(1,2215)	2:13:A:VAL:HG13	2:86:B:CYS:H	14	0.51
(1,2182)	2:15:B:THR:HG21	2:41:B:GLU:HG2	6	0.51
(1,2182)	2:15:B:THR:HG23	2:41:B:GLU:HG2	8	0.51
(1,2182)	2:15:B:THR:HG22	2:41:B:GLU:HG2	12	0.51
(1,2129)	2:18:B:LYS:HE3	2:18:B:LYS:H	3	0.51
(1,2129)	2:18:B:LYS:HE2	2:18:B:LYS:H	15	0.51
(1,1988)	2:31:A:LYS:HD2	2:55:A:PHE:HD2	19	0.51
(1,1954)	2:34:B:LEU:HD22	2:38:B:LEU:HG	2	0.51
(1,1948)	2:34:B:LEU:HD22	1:1928:C:PHE:HZ	2	0.51
(1,1948)	2:34:B:LEU:HD23	1:1928:C:PHE:HZ	13	0.51
(1,1940)	2:34:B:LEU:HD13	2:59:B:MET:H	15	0.51
(1,1918)	2:34:A:LEU:HD23	2:33:A:GLU:H	5	0.51
(1,1709)	2:38:A:LEU:HD13	2:42:A:LEU:HD21	19	0.51
(1,1695)	2:38:A:LEU:HD12	2:42:A:LEU:H	4	0.51
(1,1695)	2:38:A:LEU:HD13	2:42:A:LEU:H	5	0.51
(1,1695)	2:38:A:LEU:HD11	2:42:A:LEU:H	12	0.51
(1,1609)	2:42:B:LEU:HD11	2:45:B:PHE:H	20	0.51
(1,1543)	2:42:A:LEU:HD13	2:82:A:ILE:HD11	2	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1409)	2:49:A:ARG:HD3	2:54:A:ALA:HB3	12	0.51
(1,1405)	2:49:A:ARG:HB2	2:54:A:ALA:HB1	1	0.51
(1,1347)	2:52:A:GLU:HG2	2:35:A:LYS:HD2	7	0.51
(1,1346)	2:52:A:GLU:HG2	2:53:A:ALA:HB3	17	0.51
(1,1345)	2:52:A:GLU:HG2	2:55:A:PHE:HB3	11	0.51
(1,1317)	2:53:A:ALA:HB1	2:52:A:GLU:HG2	1	0.51
(1,1159)	2:58:A:LEU:HD22	2:62:A:LEU:HD21	10	0.51
(1,1157)	2:58:A:LEU:HD22	2:45:A:PHE:HB3	18	0.51
(1,1107)	2:59:B:MET:HE3	2:71:B:ASP:H	1	0.51
(1,1107)	2:59:B:MET:HE3	2:71:B:ASP:H	13	0.51
(1,1091)	2:59:B:MET:HE3	2:69:B:GLU:H	6	0.51
(1,1091)	2:59:B:MET:HE3	2:69:B:GLU:H	19	0.51
(1,1079)	2:59:B:MET:HE1	2:59:B:MET:HG3	3	0.51
(1,1079)	2:59:B:MET:HE1	2:59:B:MET:HG3	15	0.51
(1,1041)	2:59:A:MET:HE2	2:55:A:PHE:HD2	11	0.51
(1,1033)	2:59:A:MET:HE2	2:68:A:ASN:HB2	8	0.51
(1,1033)	2:59:A:MET:HE2	2:68:A:ASN:HB2	19	0.51
(1,944)	2:62:B:LEU:HD22	2:70:B:VAL:HB	15	0.51
(1,900)	2:62:A:LEU:HD13	2:61:A:ASN:HB3	7	0.51
(1,590)	2:77:B:VAL:HG13	1:1913:C:GLU:H	2	0.51
(1,590)	2:77:B:VAL:HG13	1:1913:C:GLU:H	10	0.51
(1,584)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	12	0.51
(1,583)	2:77:A:VAL:HG22	1:1910:C:MET:HG2	9	0.51
(1,583)	2:77:A:VAL:HG22	1:1910:C:MET:HG2	11	0.51
(1,583)	2:77:A:VAL:HG22	1:1910:C:MET:HG2	15	0.51
(1,583)	2:77:A:VAL:HG22	1:1910:C:MET:HG2	19	0.51
(1,383)	2:82:B:ILE:HD11	2:85:B:MET:HE3	2	0.51
(1,243)	2:84:B:MET:HE2	2:85:B:MET:HB2	10	0.51
(1,213)	2:84:A:MET:HE1	2:72:B:PHE:HD1	17	0.51
(1,213)	2:84:A:MET:HE1	2:72:B:PHE:HD2	17	0.51
(1,178)	2:85:B:MET:HE1	1:1928:C:PHE:HZ	10	0.51
(1,176)	2:85:B:MET:HE1	1:1928:C:PHE:H	5	0.51
(1,169)	2:85:B:MET:HE1	1:1922:C:ARG:HD2	20	0.51
(1,6847)	2:83:A:ALA:H	2:72:B:PHE:HE1	18	0.5
(1,6790)	2:41:A:GLU:H	2:19:A:TYR:HE2	18	0.5
(1,6535)	2:8:B:ALA:HA	2:11:B:VAL:HB	5	0.5
(1,6509)	2:9:B:LEU:HD12	2:6:B:GLU:HA	20	0.5
(1,6360)	2:21:B:GLY:HA2	2:26:B:LYS:HD2	6	0.5
(1,6331)	2:23:B:GLU:HG2	2:30:B:ASN:HD21	6	0.5
(1,6270)	2:27:A:PHE:HA	2:75:A:TYR:HD2	6	0.5
(1,6250)	2:28:B:LYS:HB3	2:29:B:LEU:HB2	10	0.5
(1,6239)	2:29:A:LEU:HD11	2:59:A:MET:HE2	5	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6187)	2:34:A:LEU:HD23	2:36:A:GLU:H	4	0.5
(1,6175)	2:34:A:LEU:HD11	2:78:A:PHE:HB3	2	0.5
(1,6175)	2:34:A:LEU:HD11	2:78:A:PHE:HB3	13	0.5
(1,6158)	2:88:B:GLU:HG3	2:87:B:ASN:HA	20	0.5
(1,6107)	2:38:B:LEU:HD11	2:34:B:LEU:HD13	4	0.5
(1,6105)	2:38:B:LEU:HD21	2:58:B:LEU:HD22	16	0.5
(1,6071)	2:39:B:THR:HG22	2:38:B:LEU:HB3	4	0.5
(1,6063)	2:40:B:ARG:HD2	2:39:B:THR:HG22	18	0.5
(1,6010)	2:49:B:ARG:HD2	2:35:B:LYS:HD2	6	0.5
(1,5984)	2:54:A:ALA:HB2	1:1898:C:ARG:HB2	13	0.5
(1,5960)	2:59:B:MET:HE1	2:60:B:SER:HA	4	0.5
(1,5949)	2:59:A:MET:HE3	2:29:A:LEU:H	1	0.5
(1,5804)	2:79:A:LEU:HD22	2:12:A:MET:HE1	15	0.5
(1,5788)	2:82:B:ILE:HG22	2:42:B:LEU:HD22	11	0.5
(1,5788)	2:82:B:ILE:HG22	2:42:B:LEU:HD22	13	0.5
(1,5768)	2:83:B:ALA:HB2	2:79:B:LEU:HA	19	0.5
(1,5743)	2:85:B:MET:HE2	1:1918:C:LYS:HE2	7	0.5
(1,5570)	1:1906:C:THR:HG21	1:1905:C:GLU:HG2	14	0.5
(1,5570)	1:1906:C:THR:HG22	1:1905:C:GLU:HG2	14	0.5
(1,5570)	1:1906:C:THR:HG23	1:1905:C:GLU:HG2	14	0.5
(1,5143)	1:1930:C:VAL:HG13	1:1929:C:VAL:HA	2	0.5
(1,5080)	1:1899:C:GLU:H	1:1898:C:ARG:HD3	1	0.5
(1,5009)	1:1909:C:ALA:H	1:1905:C:GLU:HB3	12	0.5
(1,4594)	1:1914:C:VAL:H	1:1918:C:LYS:HB3	5	0.5
(1,4150)	2:61:B:ASN:HA	1:1926:C:LEU:HG	17	0.5
(1,4150)	2:61:B:ASN:HA	1:1926:C:LEU:HG	18	0.5
(1,4150)	2:61:B:ASN:HA	1:1926:C:LEU:HG	19	0.5
(1,4085)	2:84:B:MET:HE2	1:1918:C:LYS:HD2	6	0.5
(1,4078)	2:84:A:MET:HE3	1:1910:C:MET:HB3	10	0.5
(1,4078)	2:84:A:MET:HE3	1:1910:C:MET:HB3	16	0.5
(1,4062)	2:85:B:MET:HE1	1:1922:C:ARG:HD2	10	0.5
(1,4062)	2:85:B:MET:HE1	1:1922:C:ARG:HD2	17	0.5
(1,4049)	2:85:A:MET:HE2	1:1899:C:GLU:H	15	0.5
(1,4025)	2:82:B:ILE:HD12	1:1929:C:VAL:HG11	16	0.5
(1,4025)	2:82:B:ILE:HD12	1:1929:C:VAL:HG12	16	0.5
(1,4025)	2:82:B:ILE:HD12	1:1929:C:VAL:HG13	16	0.5
(1,3954)	2:77:B:VAL:HG11	1:1914:C:VAL:HG11	6	0.5
(1,3954)	2:77:B:VAL:HG11	1:1914:C:VAL:HG12	6	0.5
(1,3954)	2:77:B:VAL:HG11	1:1914:C:VAL:HG13	6	0.5
(1,3948)	2:77:A:VAL:HG13	1:1910:C:MET:HA	1	0.5
(1,3948)	2:77:A:VAL:HG13	1:1910:C:MET:HA	10	0.5
(1,3931)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	8	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3900)	2:62:A:LEU:HD23	1:1907:C:ALA:HB1	6	0.5
(1,3900)	2:62:A:LEU:HD23	1:1907:C:ALA:HB2	6	0.5
(1,3900)	2:62:A:LEU:HD23	1:1907:C:ALA:HB3	6	0.5
(1,3809)	2:18:A:LYS:H	2:18:A:LYS:HE2	6	0.5
(1,3809)	2:18:A:LYS:H	2:18:A:LYS:HE2	8	0.5
(1,3809)	2:18:A:LYS:H	2:18:A:LYS:HE2	15	0.5
(1,2756)	2:28:A:LYS:H	2:28:A:LYS:HD3	3	0.5
(1,2317)	2:12:A:MET:HE1	2:12:A:MET:H	6	0.5
(1,2312)	2:12:A:MET:HE1	2:78:A:PHE:HD1	16	0.5
(1,2312)	2:12:A:MET:HE1	2:78:A:PHE:HD2	16	0.5
(1,2271)	2:12:B:MET:HE3	2:79:B:LEU:HA	12	0.5
(1,2129)	2:18:B:LYS:HE2	2:18:B:LYS:H	6	0.5
(1,2129)	2:18:B:LYS:HE2	2:18:B:LYS:H	8	0.5
(1,2129)	2:18:B:LYS:HE3	2:18:B:LYS:H	10	0.5
(1,2109)	2:78:B:PHE:HA	1:1917:C:LEU:HD11	13	0.5
(1,2109)	2:78:B:PHE:HA	1:1917:C:LEU:HD12	13	0.5
(1,2109)	2:78:B:PHE:HA	1:1917:C:LEU:HD13	13	0.5
(1,2031)	2:29:A:LEU:HD11	2:37:A:LEU:HD11	12	0.5
(1,2031)	2:29:A:LEU:HD11	2:37:A:LEU:HD12	13	0.5
(1,1958)	2:34:B:LEU:HD21	2:70:B:VAL:HG13	5	0.5
(1,1954)	2:34:B:LEU:HD22	2:38:B:LEU:HG	5	0.5
(1,1943)	2:34:B:LEU:HD12	2:55:B:PHE:HD1	10	0.5
(1,1943)	2:34:B:LEU:HD12	2:55:B:PHE:HD2	10	0.5
(1,1940)	2:34:B:LEU:HD12	2:59:B:MET:H	19	0.5
(1,1792)	2:36:A:GLU:HB2	2:33:A:GLU:HA	16	0.5
(1,1705)	2:38:A:LEU:HD12	2:50:A:THR:HB	7	0.5
(1,1695)	2:38:A:LEU:HD12	2:42:A:LEU:H	13	0.5
(1,1695)	2:38:A:LEU:HD11	2:42:A:LEU:H	16	0.5
(1,1691)	2:38:A:LEU:HD22	2:39:A:THR:H	16	0.5
(1,1671)	2:39:B:THR:HG22	2:40:B:ARG:HD2	18	0.5
(1,1652)	2:39:A:THR:HB	2:36:A:GLU:HB3	12	0.5
(1,1652)	2:39:A:THR:HB	2:36:A:GLU:HB3	17	0.5
(1,1609)	2:42:B:LEU:HD11	2:45:B:PHE:H	17	0.5
(1,1563)	2:42:A:LEU:HD12	2:34:A:LEU:HA	3	0.5
(1,1543)	2:42:A:LEU:HD13	2:82:A:ILE:HD12	3	0.5
(1,1433)	2:48:A:LYS:HG3	2:49:A:ARG:H	7	0.5
(1,1433)	2:48:A:LYS:HG3	2:49:A:ARG:H	18	0.5
(1,1405)	2:49:A:ARG:HB2	2:54:A:ALA:HB1	16	0.5
(1,1347)	2:52:A:GLU:HG2	2:35:A:LYS:HD3	10	0.5
(1,1346)	2:52:A:GLU:HG2	2:53:A:ALA:HB3	11	0.5
(1,1345)	2:52:A:GLU:HG2	2:55:A:PHE:HB3	4	0.5
(1,1327)	2:53:B:ALA:HB3	2:56:B:GLN:HB3	2	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1317)	2:53:A:ALA:HB1	2:52:A:GLU:HG2	7	0.5
(1,1317)	2:53:A:ALA:HB3	2:52:A:GLU:HG2	14	0.5
(1,1157)	2:58:A:LEU:HD22	2:45:A:PHE:HB3	16	0.5
(1,1107)	2:59:B:MET:HE3	2:71:B:ASP:H	3	0.5
(1,1092)	2:59:B:MET:HE1	2:61:B:ASN:H	1	0.5
(1,1079)	2:59:B:MET:HE2	2:59:B:MET:HG3	10	0.5
(1,1074)	2:59:B:MET:HE1	2:70:B:VAL:HG12	5	0.5
(1,1052)	2:59:A:MET:HE2	2:62:A:LEU:H	1	0.5
(1,1046)	2:59:A:MET:HE2	2:67:A:ASP:H	6	0.5
(1,1033)	2:59:A:MET:HE3	2:68:A:ASN:HB2	14	0.5
(1,1030)	2:59:A:MET:HE3	2:70:A:VAL:HG12	19	0.5
(1,1001)	2:60:B:SER:HB2	2:63:B:ASP:HB2	9	0.5
(1,781)	2:70:B:VAL:HG21	2:62:B:LEU:HD21	3	0.5
(1,781)	2:70:B:VAL:HG21	2:62:B:LEU:HD21	6	0.5
(1,753)	2:70:B:VAL:HG21	2:74:B:GLU:H	17	0.5
(1,742)	2:70:A:VAL:HG23	2:58:A:LEU:HG	20	0.5
(1,584)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	8	0.5
(1,505)	2:79:B:LEU:HD22	2:78:B:PHE:HZ	10	0.5
(1,505)	2:79:B:LEU:HD22	2:78:B:PHE:HZ	20	0.5
(1,490)	2:79:B:LEU:HD11	2:83:A:ALA:H	6	0.5
(1,460)	2:79:A:LEU:HD23	2:76:A:CYS:HA	15	0.5
(1,383)	2:82:B:ILE:HD11	2:85:B:MET:HE3	20	0.5
(1,376)	2:82:B:ILE:HG21	1:1929:C:VAL:HG11	13	0.5
(1,376)	2:82:B:ILE:HG21	1:1929:C:VAL:HG12	13	0.5
(1,376)	2:82:B:ILE:HG21	1:1929:C:VAL:HG13	13	0.5
(1,243)	2:84:B:MET:HE2	2:85:B:MET:HB2	13	0.5
(1,160)	2:85:B:MET:HE3	2:82:B:ILE:HG12	9	0.5
(1,128)	2:85:A:MET:HE1	2:45:A:PHE:H	17	0.5
(2,45)	1:1918:C:LYS:H	1:1916:C:SER:HB2	9	0.49
(1,7000)	2:75:A:TYR:HD1	2:16:A:PHE:HD2	10	0.49
(1,6980)	2:78:B:PHE:HE2	2:34:B:LEU:HD13	9	0.49
(1,6968)	2:17:A:HIS:H	2:26:A:LYS:HE3	16	0.49
(1,6809)	2:61:A:ASN:H	2:59:A:MET:HB2	16	0.49
(1,6726)	2:33:B:GLU:H	2:33:B:GLU:HG2	16	0.49
(1,6717)	2:23:A:GLU:H	2:23:A:GLU:HG2	7	0.49
(1,6701)	2:99:B:ARG:H	2:99:B:ARG:HB3	19	0.49
(1,6612)	2:3:A:CYS:HB3	2:43:B:PRO:HD3	10	0.49
(1,6574)	2:6:A:GLU:HA	2:41:B:GLU:HB2	6	0.49
(1,6557)	2:8:A:ALA:HB2	2:6:A:GLU:H	16	0.49
(1,6524)	2:9:A:LEU:HD12	2:6:A:GLU:HA	15	0.49
(1,6487)	2:11:A:VAL:HG11	2:4:B:PRO:HD2	12	0.49
(1,6487)	2:11:A:VAL:HG13	2:4:B:PRO:HD2	14	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6455)	2:12:A:MET:HE2	2:76:A:CYS:HA	5	0.49
(1,6450)	2:12:A:MET:HE1	2:11:A:VAL:HG23	3	0.49
(1,6448)	2:12:A:MET:HE2	2:9:A:LEU:HD22	20	0.49
(1,6442)	2:12:B:MET:HE3	2:75:B:TYR:HD1	3	0.49
(1,6386)	2:18:B:LYS:HE3	2:19:B:TYR:HE1	7	0.49
(1,6354)	2:22:B:LYS:HD2	2:19:B:TYR:HD1	17	0.49
(1,6354)	2:22:B:LYS:HD2	2:19:B:TYR:HD2	18	0.49
(1,6323)	2:23:A:GLU:HB2	2:30:A:ASN:HD22	13	0.49
(1,6183)	2:34:A:LEU:HD23	2:38:A:LEU:HG	15	0.49
(1,6067)	2:40:A:ARG:HD3	2:19:A:TYR:HE1	4	0.49
(1,6067)	2:40:A:ARG:HD3	2:19:A:TYR:HE1	6	0.49
(1,6038)	2:42:A:LEU:HD11	2:6:B:GLU:HA	8	0.49
(1,6019)	2:46:A:LEU:HD22	2:55:A:PHE:HA	7	0.49
(1,6009)	2:49:B:ARG:HG3	2:54:B:ALA:HB2	16	0.49
(1,6005)	2:50:B:THR:HG23	2:46:B:LEU:HB2	15	0.49
(1,5962)	2:58:A:LEU:HD13	2:61:A:ASN:HA	16	0.49
(1,5865)	2:73:A:GLN:HA	1:1914:C:VAL:HG23	13	0.49
(1,5814)	2:79:B:LEU:HD12	2:9:A:LEU:HD21	15	0.49
(1,5804)	2:79:A:LEU:HD21	2:12:A:MET:HE1	3	0.49
(1,5783)	2:82:A:ILE:HD12	2:79:A:LEU:H	16	0.49
(1,5783)	2:82:A:ILE:HD12	2:79:A:LEU:H	20	0.49
(1,5761)	2:83:A:ALA:HB1	2:80:A:SER:H	15	0.49
(1,5756)	2:84:B:MET:HE2	1:1918:C:LYS:HA	7	0.49
(1,5742)	2:85:B:MET:HE2	1:1921:C:LEU:HD13	17	0.49
(1,5639)	1:1901:C:GLU:HB2	1:1905:C:GLU:HB2	1	0.49
(1,5570)	1:1906:C:THR:HG21	1:1905:C:GLU:HG2	19	0.49
(1,5570)	1:1906:C:THR:HG22	1:1905:C:GLU:HG2	19	0.49
(1,5570)	1:1906:C:THR:HG23	1:1905:C:GLU:HG2	19	0.49
(1,5497)	1:1910:C:MET:HE1	2:81:A:CYS:HB2	10	0.49
(1,5486)	1:1910:C:MET:HE2	2:77:B:VAL:HG11	10	0.49
(1,5486)	1:1910:C:MET:HE3	2:77:B:VAL:HG12	12	0.49
(1,5482)	1:1910:C:MET:HG3	2:73:B:GLN:HB3	16	0.49
(1,5357)	1:1917:C:LEU:HD11	2:78:B:PHE:HB3	10	0.49
(1,5357)	1:1917:C:LEU:HD12	2:78:B:PHE:HB3	10	0.49
(1,5357)	1:1917:C:LEU:HD13	2:78:B:PHE:HB3	10	0.49
(1,5298)	1:1921:C:LEU:HD11	1:1917:C:LEU:HD21	20	0.49
(1,5298)	1:1921:C:LEU:HD11	1:1917:C:LEU:HD22	20	0.49
(1,5298)	1:1921:C:LEU:HD11	1:1917:C:LEU:HD23	20	0.49
(1,5298)	1:1921:C:LEU:HD12	1:1917:C:LEU:HD21	20	0.49
(1,5298)	1:1921:C:LEU:HD12	1:1917:C:LEU:HD22	20	0.49
(1,5298)	1:1921:C:LEU:HD12	1:1917:C:LEU:HD23	20	0.49
(1,5298)	1:1921:C:LEU:HD13	1:1917:C:LEU:HD21	20	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5298)	1:1921:C:LEU:HD13	1:1917:C:LEU:HD22	20	0.49
(1,5298)	1:1921:C:LEU:HD13	1:1917:C:LEU:HD23	20	0.49
(1,5163)	1:1930:C:VAL:HG11	2:85:B:MET:HE3	3	0.49
(1,5163)	1:1930:C:VAL:HG12	2:85:B:MET:HE3	3	0.49
(1,5163)	1:1930:C:VAL:HG13	2:85:B:MET:HE3	3	0.49
(1,5080)	1:1899:C:GLU:H	1:1898:C:ARG:HD3	14	0.49
(1,5080)	1:1899:C:GLU:H	1:1898:C:ARG:HD3	17	0.49
(1,5009)	1:1909:C:ALA:H	1:1905:C:GLU:HB3	4	0.49
(1,5009)	1:1909:C:ALA:H	1:1905:C:GLU:HB3	15	0.49
(1,4594)	2:83:B:ALA:H	1:1918:C:LYS:HB3	10	0.49
(1,4422)	2:58:B:LEU:HD11	1:1928:C:PHE:HZ	8	0.49
(1,4412)	2:38:B:LEU:HD23	1:1928:C:PHE:HD2	3	0.49
(1,4155)	2:58:A:LEU:HD13	1:1903:C:ALA:H	7	0.49
(1,4121)	2:77:B:VAL:HG11	1:1913:C:GLU:H	14	0.49
(1,4121)	2:77:B:VAL:HG13	1:1913:C:GLU:H	15	0.49
(1,4078)	2:84:A:MET:HE3	1:1910:C:MET:HB3	3	0.49
(1,4065)	2:85:B:MET:HE3	1:1930:C:VAL:HA	4	0.49
(1,4065)	2:85:B:MET:HE3	1:1930:C:VAL:HA	10	0.49
(1,4065)	2:85:B:MET:HE3	1:1930:C:VAL:HA	11	0.49
(1,4058)	2:85:B:MET:HE3	1:1930:C:VAL:HB	3	0.49
(1,4054)	2:85:B:MET:HE2	1:1921:C:LEU:HD11	4	0.49
(1,4054)	2:85:B:MET:HE2	1:1921:C:LEU:HD12	4	0.49
(1,4054)	2:85:B:MET:HE2	1:1921:C:LEU:HD13	4	0.49
(1,4019)	2:38:B:LEU:HD11	1:1928:C:PHE:HD2	14	0.49
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD11	20	0.49
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD12	20	0.49
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD13	20	0.49
(1,3979)	2:62:B:LEU:HD12	1:1920:C:LYS:HG3	7	0.49
(1,3979)	2:62:B:LEU:HD12	1:1920:C:LYS:HG3	9	0.49
(1,3931)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	7	0.49
(1,3931)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	13	0.49
(1,3919)	2:58:A:LEU:HD11	1:1899:C:GLU:HG3	13	0.49
(1,3908)	2:38:A:LEU:HD12	1:1900:C:LEU:HB3	8	0.49
(1,3900)	2:62:A:LEU:HD21	1:1907:C:ALA:HB1	5	0.49
(1,3900)	2:62:A:LEU:HD21	1:1907:C:ALA:HB2	5	0.49
(1,3900)	2:62:A:LEU:HD21	1:1907:C:ALA:HB3	5	0.49
(1,3900)	2:62:A:LEU:HD21	1:1907:C:ALA:HB1	15	0.49
(1,3900)	2:62:A:LEU:HD21	1:1907:C:ALA:HB2	15	0.49
(1,3900)	2:62:A:LEU:HD21	1:1907:C:ALA:HB3	15	0.49
(1,3874)	2:45:A:PHE:HD1	2:85:A:MET:HE1	5	0.49
(1,3874)	2:45:A:PHE:HD2	2:85:A:MET:HE1	5	0.49
(1,3874)	2:45:A:PHE:HD1	2:85:A:MET:HE1	14	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3874)	2:45:A:PHE:HD2	2:85:A:MET:HE1	14	0.49
(1,3874)	2:45:A:PHE:HD1	2:85:A:MET:HE1	17	0.49
(1,3874)	2:45:A:PHE:HD2	2:85:A:MET:HE1	17	0.49
(1,3809)	2:18:A:LYS:H	2:18:A:LYS:HE2	11	0.49
(1,2889)	2:49:A:ARG:H	2:54:A:ALA:HB1	10	0.49
(1,2756)	2:28:A:LYS:H	2:28:A:LYS:HD3	17	0.49
(1,2426)	2:9:A:LEU:HD12	2:45:B:PHE:HZ	2	0.49
(1,2414)	2:9:B:LEU:HD23	2:82:A:ILE:HG22	7	0.49
(1,2414)	2:9:B:LEU:HD21	2:82:A:ILE:HG22	8	0.49
(1,2414)	2:9:B:LEU:HD21	2:82:A:ILE:HG22	11	0.49
(1,2331)	2:11:A:VAL:HG13	2:7:A:LYS:HG3	12	0.49
(1,2238)	2:13:A:VAL:HG23	2:17:A:HIS:HD2	17	0.49
(1,2238)	2:13:A:VAL:HG22	2:17:A:HIS:HD2	19	0.49
(1,2133)	2:18:A:LYS:HE3	2:18:A:LYS:HG2	9	0.49
(1,2129)	2:18:B:LYS:HE2	2:18:B:LYS:H	11	0.49
(1,1940)	2:34:B:LEU:HD13	2:59:B:MET:H	10	0.49
(1,1695)	2:38:A:LEU:HD12	2:42:A:LEU:H	11	0.49
(1,1609)	2:42:B:LEU:HD11	2:45:B:PHE:H	7	0.49
(1,1582)	2:42:B:LEU:HD12	2:82:B:ILE:HG22	14	0.49
(1,1581)	2:42:B:LEU:HD12	2:82:B:ILE:HD11	9	0.49
(1,1570)	2:42:A:LEU:HD13	2:19:A:TYR:HD1	20	0.49
(1,1570)	2:42:A:LEU:HD13	2:19:A:TYR:HD2	20	0.49
(1,1548)	2:42:A:LEU:HD12	2:37:A:LEU:HB3	19	0.49
(1,1407)	2:49:A:ARG:HG2	2:54:A:ALA:HB2	2	0.49
(1,1405)	2:49:A:ARG:HB2	2:54:A:ALA:HB2	8	0.49
(1,1385)	2:50:B:THR:HG23	1:1928:C:PHE:HD1	14	0.49
(1,1385)	2:50:B:THR:HG23	1:1928:C:PHE:HD2	14	0.49
(1,1332)	2:53:B:ALA:HB3	2:56:B:GLN:H	12	0.49
(1,1327)	2:53:B:ALA:HB1	2:56:B:GLN:HB3	16	0.49
(1,1291)	2:54:A:ALA:HB2	1:1897:C:GLN:HG3	5	0.49
(1,1290)	2:54:A:ALA:HB2	1:1897:C:GLN:HG2	13	0.49
(1,1139)	2:58:A:LEU:HD11	1:1899:C:GLU:HG3	13	0.49
(1,1091)	2:59:B:MET:HE3	2:69:B:GLU:H	1	0.49
(1,1079)	2:59:B:MET:HE1	2:59:B:MET:HG3	11	0.49
(1,1074)	2:59:B:MET:HE3	2:70:B:VAL:HG13	1	0.49
(1,1074)	2:59:B:MET:HE3	2:70:B:VAL:HG12	12	0.49
(1,1071)	2:59:B:MET:HE1	2:29:B:LEU:HD23	2	0.49
(1,944)	2:62:B:LEU:HD21	2:70:B:VAL:HB	2	0.49
(1,785)	2:70:B:VAL:HG22	2:29:B:LEU:HD13	12	0.49
(1,781)	2:70:B:VAL:HG23	2:62:B:LEU:HD22	16	0.49
(1,590)	2:77:B:VAL:HG11	1:1913:C:GLU:H	14	0.49
(1,590)	2:77:B:VAL:HG13	1:1913:C:GLU:H	15	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,584)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	7	0.49
(1,584)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	13	0.49
(1,490)	2:79:B:LEU:HD11	2:83:A:ALA:H	13	0.49
(1,472)	2:79:A:LEU:HD21	2:75:A:TYR:HE1	14	0.49
(1,472)	2:79:A:LEU:HD21	2:75:A:TYR:HE2	14	0.49
(1,355)	2:82:B:ILE:HG22	2:78:B:PHE:HD1	10	0.49
(1,355)	2:82:B:ILE:HG22	2:78:B:PHE:HD2	10	0.49
(1,355)	2:82:B:ILE:HG22	2:78:B:PHE:HD1	14	0.49
(1,355)	2:82:B:ILE:HG22	2:78:B:PHE:HD2	14	0.49
(1,353)	2:82:B:ILE:HG23	1:1928:C:PHE:HZ	9	0.49
(1,253)	2:84:B:MET:HE3	2:73:A:GLN:HE22	15	0.49
(1,178)	2:85:B:MET:HE1	1:1928:C:PHE:HZ	7	0.49
(2,46)	1:1916:C:SER:H	1:1912:C:ARG:HB2	1	0.48
(1,6980)	2:78:B:PHE:HE2	2:34:B:LEU:HD13	17	0.48
(1,6828)	2:75:A:TYR:H	2:29:A:LEU:HD11	20	0.48
(1,6809)	2:61:A:ASN:H	2:59:A:MET:HB2	3	0.48
(1,6717)	2:23:B:GLU:H	2:23:B:GLU:HG2	14	0.48
(1,6573)	2:6:B:GLU:HA	2:43:A:PRO:HD3	2	0.48
(1,6573)	2:6:A:GLU:HA	2:43:B:PRO:HD3	20	0.48
(1,6557)	2:8:A:ALA:HB2	2:6:A:GLU:H	11	0.48
(1,6557)	2:8:A:ALA:HB1	2:6:A:GLU:H	12	0.48
(1,6524)	2:9:A:LEU:HD13	2:6:A:GLU:HA	7	0.48
(1,6517)	2:9:A:LEU:HD22	2:12:A:MET:HB2	19	0.48
(1,6509)	2:9:B:LEU:HD13	2:6:B:GLU:HA	13	0.48
(1,6487)	2:11:A:VAL:HG13	2:4:B:PRO:HD2	4	0.48
(1,6487)	2:11:A:VAL:HG12	2:4:B:PRO:HD2	6	0.48
(1,6450)	2:12:A:MET:HE1	2:11:A:VAL:HG23	10	0.48
(1,6450)	2:12:A:MET:HE1	2:11:A:VAL:HG21	20	0.48
(1,6433)	2:12:B:MET:HG3	2:13:B:VAL:HG11	10	0.48
(1,6402)	2:15:A:THR:HG23	2:37:A:LEU:H	4	0.48
(1,6250)	2:28:B:LYS:HB3	2:29:B:LEU:HB2	17	0.48
(1,6071)	2:39:B:THR:HG22	2:38:B:LEU:HB3	1	0.48
(1,6066)	2:40:A:ARG:HD3	2:19:A:TYR:HD2	3	0.48
(1,6037)	2:42:A:LEU:HD11	2:3:B:CYS:HB3	10	0.48
(1,6006)	2:50:B:THR:HG21	2:54:B:ALA:HB3	17	0.48
(1,5962)	2:58:A:LEU:HD12	2:61:A:ASN:HA	12	0.48
(1,5948)	2:59:A:MET:HE2	2:69:A:GLU:H	15	0.48
(1,5925)	2:62:B:LEU:HD13	2:58:B:LEU:HG	5	0.48
(1,5899)	2:29:B:LEU:HD23	2:19:B:TYR:HB3	8	0.48
(1,5897)	2:62:A:LEU:HD21	2:59:A:MET:HE1	14	0.48
(1,5831)	2:77:B:VAL:HG13	2:73:B:GLN:HE22	15	0.48
(1,5814)	2:79:B:LEU:HD12	2:9:A:LEU:HD23	5	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5804)	2:79:A:LEU:HD22	2:12:B:MET:HE2	14	0.48
(1,5792)	2:82:B:ILE:HD12	1:1921:C:LEU:HD11	2	0.48
(1,5783)	2:82:A:ILE:HD12	2:79:A:LEU:H	18	0.48
(1,5783)	2:82:A:ILE:HD12	2:79:A:LEU:H	19	0.48
(1,5765)	2:83:A:ALA:HB2	2:72:B:PHE:HZ	10	0.48
(1,5756)	2:84:B:MET:HE2	1:1918:C:LYS:HA	8	0.48
(1,5756)	2:84:B:MET:HE2	1:1918:C:LYS:HA	10	0.48
(1,5756)	2:84:B:MET:HE2	1:1918:C:LYS:HA	16	0.48
(1,5756)	2:84:B:MET:HE2	1:1918:C:LYS:HA	17	0.48
(1,5756)	2:84:B:MET:HE2	1:1918:C:LYS:HA	19	0.48
(1,5743)	2:85:B:MET:HE2	1:1918:C:LYS:HE3	18	0.48
(1,5570)	1:1906:C:THR:HG21	1:1905:C:GLU:HG2	15	0.48
(1,5570)	1:1906:C:THR:HG22	1:1905:C:GLU:HG2	15	0.48
(1,5570)	1:1906:C:THR:HG23	1:1905:C:GLU:HG2	15	0.48
(1,5525)	1:1909:C:ALA:HB1	1:1912:C:ARG:HB3	2	0.48
(1,5525)	1:1909:C:ALA:HB2	1:1912:C:ARG:HB3	2	0.48
(1,5525)	1:1909:C:ALA:HB3	1:1912:C:ARG:HB3	2	0.48
(1,5486)	1:1910:C:MET:HE3	2:77:B:VAL:HG12	13	0.48
(1,5009)	1:1909:C:ALA:H	1:1905:C:GLU:HB3	1	0.48
(1,5009)	1:1909:C:ALA:H	1:1905:C:GLU:HB3	2	0.48
(1,5009)	1:1909:C:ALA:H	1:1905:C:GLU:HB3	9	0.48
(1,5009)	1:1909:C:ALA:H	1:1905:C:GLU:HB3	16	0.48
(1,5009)	1:1909:C:ALA:H	1:1905:C:GLU:HB3	17	0.48
(1,4594)	1:1914:C:VAL:H	1:1918:C:LYS:HB3	4	0.48
(1,4533)	1:1923:C:ARG:HB3	1:1920:C:LYS:HA	9	0.48
(1,4422)	2:58:B:LEU:HD11	1:1928:C:PHE:HZ	6	0.48
(1,4091)	2:84:B:MET:HE3	1:1915:C:SER:HB2	4	0.48
(1,4078)	2:84:A:MET:HE3	1:1910:C:MET:HB3	2	0.48
(1,4078)	2:84:A:MET:HE3	1:1910:C:MET:HB3	4	0.48
(1,4062)	2:85:B:MET:HE1	1:1922:C:ARG:HD3	12	0.48
(1,4054)	2:85:B:MET:HE2	1:1921:C:LEU:HD11	1	0.48
(1,4054)	2:85:B:MET:HE2	1:1921:C:LEU:HD12	1	0.48
(1,4054)	2:85:B:MET:HE2	1:1921:C:LEU:HD13	1	0.48
(1,4005)	2:58:B:LEU:HD23	1:1928:C:PHE:HB2	9	0.48
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD11	15	0.48
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD12	15	0.48
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD13	15	0.48
(1,3954)	2:77:B:VAL:HG12	1:1914:C:VAL:HG11	8	0.48
(1,3954)	2:77:B:VAL:HG12	1:1914:C:VAL:HG12	8	0.48
(1,3954)	2:77:B:VAL:HG12	1:1914:C:VAL:HG13	8	0.48
(1,3954)	2:77:B:VAL:HG13	1:1914:C:VAL:HG11	18	0.48
(1,3954)	2:77:B:VAL:HG13	1:1914:C:VAL:HG12	18	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3954)	2:77:B:VAL:HG13	1:1914:C:VAL:HG13	18	0.48
(1,3954)	2:77:B:VAL:HG11	1:1914:C:VAL:HG11	19	0.48
(1,3954)	2:77:B:VAL:HG11	1:1914:C:VAL:HG12	19	0.48
(1,3954)	2:77:B:VAL:HG11	1:1914:C:VAL:HG13	19	0.48
(1,3948)	2:77:A:VAL:HG12	1:1910:C:MET:HA	13	0.48
(1,3948)	2:77:A:VAL:HG13	1:1910:C:MET:HA	17	0.48
(1,3948)	2:77:A:VAL:HG12	1:1910:C:MET:HA	19	0.48
(1,3908)	2:38:A:LEU:HD13	1:1900:C:LEU:HB3	19	0.48
(1,3900)	2:62:A:LEU:HD22	1:1907:C:ALA:HB1	19	0.48
(1,3900)	2:62:A:LEU:HD22	1:1907:C:ALA:HB2	19	0.48
(1,3900)	2:62:A:LEU:HD22	1:1907:C:ALA:HB3	19	0.48
(1,3809)	2:18:A:LYS:H	2:18:A:LYS:HE2	12	0.48
(1,2889)	2:49:A:ARG:H	2:54:A:ALA:HB2	9	0.48
(1,2517)	2:5:B:LEU:HD23	2:9:B:LEU:HD11	8	0.48
(1,2517)	2:5:B:LEU:HD21	2:9:B:LEU:HD13	16	0.48
(1,2517)	2:5:B:LEU:HD21	2:9:B:LEU:HD11	18	0.48
(1,2426)	2:9:A:LEU:HD12	2:45:B:PHE:HZ	15	0.48
(1,2426)	2:9:A:LEU:HD12	2:45:B:PHE:HZ	17	0.48
(1,2311)	2:12:A:MET:HE3	2:12:A:MET:HA	10	0.48
(1,2279)	2:12:B:MET:HE2	2:83:A:ALA:H	15	0.48
(1,2182)	2:15:B:THR:HG23	2:41:B:GLU:HG2	3	0.48
(1,2129)	2:18:B:LYS:HE2	2:18:B:LYS:H	13	0.48
(1,1988)	2:31:A:LYS:HD3	2:55:A:PHE:HD2	11	0.48
(1,1961)	2:34:B:LEU:HD21	2:62:B:LEU:HD11	17	0.48
(1,1960)	2:34:B:LEU:HD22	2:29:B:LEU:HD11	16	0.48
(1,1954)	2:34:B:LEU:HD22	2:38:B:LEU:HG	7	0.48
(1,1954)	2:34:B:LEU:HD23	2:38:B:LEU:HG	9	0.48
(1,1954)	2:34:B:LEU:HD23	2:38:B:LEU:HG	16	0.48
(1,1951)	2:34:B:LEU:HD22	2:31:B:LYS:HA	3	0.48
(1,1948)	2:34:B:LEU:HD22	1:1928:C:PHE:HZ	11	0.48
(1,1903)	2:34:A:LEU:HD13	2:55:A:PHE:HE2	7	0.48
(1,1903)	2:34:A:LEU:HD13	2:55:A:PHE:HE2	20	0.48
(1,1754)	2:38:B:LEU:HD11	2:34:B:LEU:HG	17	0.48
(1,1695)	2:38:A:LEU:HD11	2:42:A:LEU:H	9	0.48
(1,1563)	2:42:A:LEU:HD12	2:34:A:LEU:HA	6	0.48
(1,1543)	2:42:A:LEU:HD12	2:82:A:ILE:HD13	4	0.48
(1,1408)	2:49:A:ARG:HD2	2:54:A:ALA:HB1	10	0.48
(1,1405)	2:49:A:ARG:HB2	2:54:A:ALA:HB2	13	0.48
(1,1385)	2:50:B:THR:HG21	1:1928:C:PHE:HD1	10	0.48
(1,1385)	2:50:B:THR:HG21	1:1928:C:PHE:HD2	10	0.48
(1,1347)	2:52:A:GLU:HG2	2:35:A:LYS:HD3	9	0.48
(1,1332)	2:53:B:ALA:HB3	2:56:B:GLN:H	5	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1329)	2:53:B:ALA:HB3	2:57:B:LYS:HE2	5	0.48
(1,1329)	2:53:B:ALA:HB3	2:57:B:LYS:HE2	8	0.48
(1,1317)	2:53:A:ALA:HB2	2:52:A:GLU:HG2	2	0.48
(1,1317)	2:53:A:ALA:HB2	2:52:A:GLU:HG2	10	0.48
(1,1317)	2:53:A:ALA:HB2	2:52:A:GLU:HG2	15	0.48
(1,1125)	2:58:A:LEU:HD13	2:61:A:ASN:HD22	13	0.48
(1,1125)	2:58:A:LEU:HD13	2:61:A:ASN:HD22	19	0.48
(1,1098)	2:59:B:MET:HE1	2:62:B:LEU:H	6	0.48
(1,1070)	2:59:B:MET:HE2	2:62:B:LEU:HD22	19	0.48
(1,1052)	2:59:A:MET:HE1	2:62:A:LEU:H	10	0.48
(1,1030)	2:59:A:MET:HE3	2:70:A:VAL:HG13	20	0.48
(1,1001)	2:60:B:SER:HB2	2:63:B:ASP:HB2	4	0.48
(1,1001)	2:60:B:SER:HB2	2:63:B:ASP:HB2	8	0.48
(1,900)	2:62:A:LEU:HD12	2:61:A:ASN:HB3	2	0.48
(1,753)	2:70:B:VAL:HG22	2:74:B:GLU:H	6	0.48
(1,505)	2:79:B:LEU:HD22	2:78:B:PHE:HZ	5	0.48
(1,505)	2:79:B:LEU:HD22	2:78:B:PHE:HZ	12	0.48
(1,376)	2:82:B:ILE:HG21	1:1929:C:VAL:HG11	10	0.48
(1,376)	2:82:B:ILE:HG21	1:1929:C:VAL:HG12	10	0.48
(1,376)	2:82:B:ILE:HG21	1:1929:C:VAL:HG13	10	0.48
(1,355)	2:82:B:ILE:HG21	2:78:B:PHE:HD1	5	0.48
(1,355)	2:82:B:ILE:HG21	2:78:B:PHE:HD2	5	0.48
(1,253)	2:84:B:MET:HE3	2:73:A:GLN:HE22	17	0.48
(1,252)	2:84:B:MET:HE1	2:72:A:PHE:HD1	8	0.48
(1,252)	2:84:B:MET:HE1	2:72:A:PHE:HD2	8	0.48
(1,252)	2:84:B:MET:HE1	2:72:A:PHE:HD1	12	0.48
(1,252)	2:84:B:MET:HE1	2:72:A:PHE:HD2	12	0.48
(1,246)	2:84:B:MET:HE2	1:1918:C:LYS:HE2	19	0.48
(1,243)	2:84:B:MET:HE2	2:85:B:MET:HB2	4	0.48
(1,243)	2:84:B:MET:HE2	2:85:B:MET:HB2	7	0.48
(1,214)	2:84:A:MET:HE1	2:72:B:PHE:HE1	2	0.48
(1,214)	2:84:A:MET:HE1	2:72:B:PHE:HE2	2	0.48
(1,207)	2:84:A:MET:HE3	2:81:A:CYS:HG	5	0.48
(1,178)	2:85:B:MET:HE1	1:1928:C:PHE:HZ	20	0.48
(1,176)	2:85:B:MET:HE1	1:1928:C:PHE:H	12	0.48
(1,6858)	2:2:B:ALA:H	2:7:B:LYS:HB2	18	0.47
(1,6612)	2:3:A:CYS:HB3	2:43:B:PRO:HD3	17	0.47
(1,6557)	2:8:A:ALA:HB3	2:6:A:GLU:H	7	0.47
(1,6557)	2:8:A:ALA:HB1	2:6:A:GLU:H	19	0.47
(1,6487)	2:11:A:VAL:HG11	2:4:B:PRO:HD2	2	0.47
(1,6482)	2:11:A:VAL:HG11	2:7:A:LYS:HE2	20	0.47
(1,6462)	2:12:A:MET:HE2	2:84:B:MET:H	5	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6459)	2:12:A:MET:HE3	2:72:A:PHE:HE1	14	0.47
(1,6450)	2:12:A:MET:HE1	2:11:A:VAL:HG23	16	0.47
(1,6449)	2:12:A:MET:HE2	2:9:A:LEU:HD13	7	0.47
(1,6443)	2:12:B:MET:HE2	2:82:A:ILE:H	12	0.47
(1,6442)	2:12:B:MET:HE3	2:75:B:TYR:HD1	12	0.47
(1,6296)	2:26:B:LYS:HG3	2:21:B:GLY:HA2	4	0.47
(1,6296)	2:26:A:LYS:HG3	2:21:A:GLY:HA2	9	0.47
(1,6250)	2:28:B:LYS:HB3	2:69:B:GLU:HG2	14	0.47
(1,6183)	2:34:A:LEU:HD22	2:38:A:LEU:HG	2	0.47
(1,6182)	2:34:A:LEU:HD23	2:59:A:MET:HB2	19	0.47
(1,6159)	2:36:B:GLU:HG2	2:39:B:THR:HG23	16	0.47
(1,6135)	2:37:A:LEU:HD12	2:41:A:GLU:HB2	15	0.47
(1,6071)	2:39:B:THR:HG21	2:38:B:LEU:HB3	11	0.47
(1,6038)	2:42:A:LEU:HD11	2:6:B:GLU:HA	18	0.47
(1,6010)	2:49:B:ARG:HD2	2:35:B:LYS:HD2	19	0.47
(1,5994)	2:54:B:ALA:HB3	1:1926:C:LEU:HD13	9	0.47
(1,5974)	2:58:B:LEU:HD23	1:1928:C:PHE:HB2	20	0.47
(1,5959)	2:59:B:MET:HE1	2:60:B:SER:HB2	17	0.47
(1,5946)	2:59:A:MET:HE1	2:30:A:ASN:HB3	15	0.47
(1,5944)	2:59:A:MET:HE2	2:31:A:LYS:HG3	10	0.47
(1,5815)	2:79:B:LEU:HD21	2:9:A:LEU:HD22	6	0.47
(1,5791)	2:82:B:ILE:HD12	2:58:B:LEU:HD11	18	0.47
(1,5788)	2:82:B:ILE:HG22	2:42:B:LEU:HD22	17	0.47
(1,5778)	2:83:A:ALA:HB3	2:12:B:MET:HE1	4	0.47
(1,5778)	2:83:A:ALA:HB1	2:12:B:MET:HE1	19	0.47
(1,5756)	2:84:B:MET:HE2	1:1918:C:LYS:HA	14	0.47
(1,5744)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	9	0.47
(1,5744)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	12	0.47
(1,5570)	1:1906:C:THR:HG21	1:1905:C:GLU:HG2	4	0.47
(1,5570)	1:1906:C:THR:HG22	1:1905:C:GLU:HG2	4	0.47
(1,5570)	1:1906:C:THR:HG23	1:1905:C:GLU:HG2	4	0.47
(1,5570)	1:1906:C:THR:HG21	1:1905:C:GLU:HG2	7	0.47
(1,5570)	1:1906:C:THR:HG22	1:1905:C:GLU:HG2	7	0.47
(1,5570)	1:1906:C:THR:HG23	1:1905:C:GLU:HG2	7	0.47
(1,5500)	1:1910:C:MET:HE3	2:73:B:GLN:HA	5	0.47
(1,5486)	1:1910:C:MET:HE3	2:77:B:VAL:HG13	8	0.47
(1,5486)	1:1910:C:MET:HE1	2:77:B:VAL:HG11	9	0.47
(1,5486)	1:1910:C:MET:HE1	2:77:B:VAL:HG12	14	0.47
(1,5080)	1:1899:C:GLU:H	1:1898:C:ARG:HD3	13	0.47
(1,5009)	1:1909:C:ALA:H	1:1905:C:GLU:HB3	13	0.47
(1,4477)	1:1925:C:ASP:H	1:1923:C:ARG:HB2	14	0.47
(1,4422)	2:58:B:LEU:HD13	1:1928:C:PHE:HZ	17	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD21	9	0.47
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD22	9	0.47
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD23	9	0.47
(1,4150)	2:61:B:ASN:HA	1:1926:C:LEU:HG	2	0.47
(1,4150)	2:61:B:ASN:HA	1:1926:C:LEU:HG	3	0.47
(1,4150)	2:61:B:ASN:HA	1:1926:C:LEU:HG	8	0.47
(1,4065)	2:85:B:MET:HE3	1:1930:C:VAL:HA	2	0.47
(1,4065)	2:85:B:MET:HE3	1:1930:C:VAL:HA	15	0.47
(1,4065)	2:85:B:MET:HE3	1:1930:C:VAL:HA	20	0.47
(1,4062)	2:85:B:MET:HE1	1:1922:C:ARG:HD3	4	0.47
(1,4061)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	9	0.47
(1,4061)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	12	0.47
(1,4027)	2:82:B:ILE:HG23	1:1929:C:VAL:HG11	9	0.47
(1,4027)	2:82:B:ILE:HG23	1:1929:C:VAL:HG12	9	0.47
(1,4027)	2:82:B:ILE:HG23	1:1929:C:VAL:HG13	9	0.47
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD11	6	0.47
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD12	6	0.47
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD13	6	0.47
(1,3985)	2:62:B:LEU:HD23	1:1917:C:LEU:HA	18	0.47
(1,3979)	2:62:B:LEU:HD12	1:1920:C:LYS:HG3	8	0.47
(1,3979)	2:62:B:LEU:HD12	1:1920:C:LYS:HG3	10	0.47
(1,3900)	2:62:A:LEU:HD23	1:1907:C:ALA:HB1	13	0.47
(1,3900)	2:62:A:LEU:HD23	1:1907:C:ALA:HB2	13	0.47
(1,3900)	2:62:A:LEU:HD23	1:1907:C:ALA:HB3	13	0.47
(1,3809)	2:18:A:LYS:H	2:18:A:LYS:HE2	13	0.47
(1,2728)	2:21:B:GLY:H	2:26:B:LYS:HD2	20	0.47
(1,2610)	2:2:A:ALA:H	2:2:B:ALA:HB2	10	0.47
(1,2517)	2:5:B:LEU:HD23	2:9:B:LEU:HD13	2	0.47
(1,2517)	2:5:B:LEU:HD21	2:9:B:LEU:HD12	15	0.47
(1,2312)	2:12:A:MET:HE1	2:78:A:PHE:HD1	6	0.47
(1,2312)	2:12:A:MET:HE1	2:78:A:PHE:HD2	6	0.47
(1,2300)	2:12:A:MET:HE1	2:79:A:LEU:HD13	17	0.47
(1,2271)	2:12:B:MET:HE3	2:79:B:LEU:HA	8	0.47
(1,2271)	2:12:B:MET:HE3	2:79:B:LEU:HA	17	0.47
(1,2215)	2:13:A:VAL:HG13	2:86:B:CYS:H	12	0.47
(1,2129)	2:18:B:LYS:HE2	2:18:B:LYS:H	12	0.47
(1,2109)	2:78:B:PHE:HA	1:1917:C:LEU:HD11	10	0.47
(1,2109)	2:78:B:PHE:HA	1:1917:C:LEU:HD12	10	0.47
(1,2109)	2:78:B:PHE:HA	1:1917:C:LEU:HD13	10	0.47
(1,1954)	2:34:B:LEU:HD23	2:38:B:LEU:HG	13	0.47
(1,1954)	2:34:B:LEU:HD23	2:38:B:LEU:HG	19	0.47
(1,1914)	2:34:A:LEU:HD22	2:31:A:LYS:HA	3	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1778)	2:37:B:LEU:HD23	2:75:B:TYR:HE1	19	0.47
(1,1778)	2:37:B:LEU:HD23	2:75:B:TYR:HE2	19	0.47
(1,1774)	2:37:B:LEU:HD13	2:16:B:PHE:HA	4	0.47
(1,1705)	2:38:A:LEU:HD13	2:50:A:THR:HB	13	0.47
(1,1691)	2:38:A:LEU:HD23	2:39:A:THR:H	12	0.47
(1,1672)	2:39:B:THR:HG23	2:36:B:GLU:HG2	16	0.47
(1,1661)	2:39:A:THR:HG22	2:55:A:PHE:HE1	13	0.47
(1,1570)	2:42:A:LEU:HD13	2:19:A:TYR:HD1	1	0.47
(1,1570)	2:42:A:LEU:HD13	2:19:A:TYR:HD2	1	0.47
(1,1570)	2:42:A:LEU:HD13	2:19:A:TYR:HD1	13	0.47
(1,1570)	2:42:A:LEU:HD13	2:19:A:TYR:HD2	13	0.47
(1,1570)	2:42:A:LEU:HD13	2:19:A:TYR:HD1	15	0.47
(1,1570)	2:42:A:LEU:HD13	2:19:A:TYR:HD2	15	0.47
(1,1563)	2:42:A:LEU:HD12	2:34:A:LEU:HA	18	0.47
(1,1461)	2:46:A:LEU:HD23	2:39:A:THR:H	2	0.47
(1,1408)	2:49:A:ARG:HD2	2:54:A:ALA:HB2	7	0.47
(1,1405)	2:49:A:ARG:HB2	2:54:A:ALA:HB2	18	0.47
(1,1290)	2:54:A:ALA:HB1	1:1897:C:GLN:HG2	9	0.47
(1,1157)	2:58:A:LEU:HD23	2:45:A:PHE:HB3	4	0.47
(1,1107)	2:59:B:MET:HE1	2:71:B:ASP:H	14	0.47
(1,1098)	2:59:B:MET:HE1	2:62:B:LEU:H	13	0.47
(1,1091)	2:59:B:MET:HE3	2:69:B:GLU:H	20	0.47
(1,1001)	2:60:B:SER:HB2	2:63:B:ASP:HB2	2	0.47
(1,1000)	2:60:B:SER:HB2	2:59:B:MET:HE1	17	0.47
(1,993)	2:60:B:SER:HB2	2:62:B:LEU:H	12	0.47
(1,944)	2:62:B:LEU:HD21	2:70:B:VAL:HB	5	0.47
(1,944)	2:62:B:LEU:HD22	2:70:B:VAL:HB	12	0.47
(1,785)	2:70:B:VAL:HG21	2:29:B:LEU:HD11	15	0.47
(1,781)	2:70:B:VAL:HG23	2:62:B:LEU:HD22	7	0.47
(1,753)	2:70:B:VAL:HG21	2:74:B:GLU:H	4	0.47
(1,744)	2:70:A:VAL:HG22	2:75:A:TYR:H	4	0.47
(1,742)	2:70:A:VAL:HG23	2:58:A:LEU:HG	19	0.47
(1,717)	2:70:B:VAL:HG12	2:78:B:PHE:HE1	10	0.47
(1,717)	2:70:B:VAL:HG12	2:78:B:PHE:HE2	10	0.47
(1,558)	2:77:A:VAL:HG22	1:1910:C:MET:H	11	0.47
(1,558)	2:77:A:VAL:HG22	1:1910:C:MET:H	20	0.47
(1,505)	2:79:B:LEU:HD22	2:78:B:PHE:HZ	8	0.47
(1,490)	2:79:B:LEU:HD13	2:83:A:ALA:H	16	0.47
(1,472)	2:79:A:LEU:HD21	2:75:A:TYR:HE1	1	0.47
(1,472)	2:79:A:LEU:HD21	2:75:A:TYR:HE2	1	0.47
(1,376)	2:82:B:ILE:HG21	1:1929:C:VAL:HG11	17	0.47
(1,376)	2:82:B:ILE:HG21	1:1929:C:VAL:HG12	17	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,376)	2:82:B:ILE:HG21	1:1929:C:VAL:HG13	17	0.47
(1,169)	2:85:B:MET:HE1	1:1922:C:ARG:HD2	18	0.47
(1,128)	2:85:A:MET:HE1	2:45:A:PHE:H	18	0.47
(1,7018)	2:19:A:TYR:HE2	2:41:A:GLU:HB2	11	0.46
(1,6992)	2:27:B:PHE:HE2	2:26:B:LYS:HE2	6	0.46
(1,6991)	2:27:A:PHE:HD2	2:27:A:PHE:H	3	0.46
(1,6858)	2:2:B:ALA:H	2:7:B:LYS:HB2	10	0.46
(1,6574)	2:6:B:GLU:HA	2:41:A:GLU:HB2	13	0.46
(1,6557)	2:8:A:ALA:HB2	2:6:A:GLU:H	8	0.46
(1,6461)	2:12:A:MET:HE3	2:76:A:CYS:H	11	0.46
(1,6458)	2:12:A:MET:HE3	2:75:A:TYR:HD1	10	0.46
(1,6449)	2:12:A:MET:HE1	2:9:A:LEU:HD12	4	0.46
(1,6448)	2:12:A:MET:HE2	2:9:A:LEU:HD23	6	0.46
(1,6399)	2:15:A:THR:HG23	2:41:A:GLU:HA	7	0.46
(1,6250)	2:28:B:LYS:HB3	2:29:B:LEU:HB2	2	0.46
(1,6187)	2:34:A:LEU:HD23	2:36:A:GLU:H	2	0.46
(1,6138)	2:37:A:LEU:HD12	2:29:A:LEU:HD11	8	0.46
(1,6104)	2:38:B:LEU:HD22	2:82:B:ILE:HB	14	0.46
(1,6048)	2:42:B:LEU:HD22	2:79:B:LEU:HD22	15	0.46
(1,6038)	2:42:A:LEU:HD11	2:6:B:GLU:HA	17	0.46
(1,5974)	2:58:B:LEU:HD23	1:1928:C:PHE:HB2	12	0.46
(1,5971)	2:58:B:LEU:HD11	1:1921:C:LEU:HB2	18	0.46
(1,5971)	2:58:B:LEU:HD11	1:1921:C:LEU:HB2	19	0.46
(1,5960)	2:59:B:MET:HE2	2:60:B:SER:HA	16	0.46
(1,5943)	2:59:A:MET:HE2	2:58:A:LEU:HG	9	0.46
(1,5822)	2:77:A:VAL:HG13	2:73:B:GLN:HE22	20	0.46
(1,5806)	2:79:A:LEU:HD21	2:12:A:MET:HG3	13	0.46
(1,5768)	2:83:B:ALA:HB2	2:79:B:LEU:HA	5	0.46
(1,5765)	2:83:B:ALA:HB1	2:72:A:PHE:HZ	5	0.46
(1,5761)	2:83:A:ALA:HB3	2:80:A:SER:H	2	0.46
(1,5756)	2:84:B:MET:HE2	1:1918:C:LYS:HA	4	0.46
(1,5756)	2:84:B:MET:HE2	1:1918:C:LYS:HA	9	0.46
(1,5486)	1:1910:C:MET:HE2	2:77:B:VAL:HG12	6	0.46
(1,5391)	1:1914:C:VAL:HG11	2:77:B:VAL:HB	16	0.46
(1,4412)	2:38:B:LEU:HD22	1:1928:C:PHE:HD2	10	0.46
(1,4161)	2:54:A:ALA:HB2	1:1900:C:LEU:HG	15	0.46
(1,4155)	2:58:A:LEU:HD12	1:1903:C:ALA:H	4	0.46
(1,4120)	2:77:B:VAL:HG12	1:1917:C:LEU:H	5	0.46
(1,4078)	2:84:A:MET:HE3	1:1910:C:MET:HB3	6	0.46
(1,4078)	2:84:A:MET:HE3	1:1910:C:MET:HB3	8	0.46
(1,4065)	2:85:B:MET:HE3	1:1930:C:VAL:HA	5	0.46
(1,4062)	2:85:B:MET:HE1	1:1922:C:ARG:HD2	5	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4058)	2:85:B:MET:HE3	1:1930:C:VAL:HB	6	0.46
(1,4054)	2:85:B:MET:HE2	1:1921:C:LEU:HD11	11	0.46
(1,4054)	2:85:B:MET:HE2	1:1921:C:LEU:HD12	11	0.46
(1,4054)	2:85:B:MET:HE2	1:1921:C:LEU:HD13	11	0.46
(1,4049)	2:85:A:MET:HE2	1:1899:C:GLU:H	6	0.46
(1,4049)	2:85:A:MET:HE2	1:1899:C:GLU:H	18	0.46
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD11	9	0.46
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD12	9	0.46
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD13	9	0.46
(1,3979)	2:62:B:LEU:HD12	1:1920:C:LYS:HG3	4	0.46
(1,3979)	2:62:B:LEU:HD12	1:1920:C:LYS:HG3	13	0.46
(1,3979)	2:62:B:LEU:HD12	1:1920:C:LYS:HG3	17	0.46
(1,3931)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	17	0.46
(1,3900)	2:62:A:LEU:HD23	1:1907:C:ALA:HB1	8	0.46
(1,3900)	2:62:A:LEU:HD23	1:1907:C:ALA:HB2	8	0.46
(1,3900)	2:62:A:LEU:HD23	1:1907:C:ALA:HB3	8	0.46
(1,3886)	2:82:A:ILE:HD12	1:1900:C:LEU:HD21	2	0.46
(1,3886)	2:82:A:ILE:HD12	1:1900:C:LEU:HD22	2	0.46
(1,3886)	2:82:A:ILE:HD12	1:1900:C:LEU:HD23	2	0.46
(1,3886)	2:82:A:ILE:HD13	1:1900:C:LEU:HD21	14	0.46
(1,3886)	2:82:A:ILE:HD13	1:1900:C:LEU:HD22	14	0.46
(1,3886)	2:82:A:ILE:HD13	1:1900:C:LEU:HD23	14	0.46
(1,2756)	2:28:A:LYS:H	2:28:A:LYS:HD3	14	0.46
(1,2414)	2:9:B:LEU:HD22	2:82:A:ILE:HG22	4	0.46
(1,2414)	2:9:B:LEU:HD21	2:82:A:ILE:HG22	10	0.46
(1,2311)	2:12:A:MET:HE1	2:12:A:MET:HA	17	0.46
(1,2275)	2:12:B:MET:HE2	2:80:B:SER:HA	10	0.46
(1,2271)	2:12:B:MET:HE3	2:79:B:LEU:HA	1	0.46
(1,2271)	2:12:B:MET:HE3	2:79:B:LEU:HA	3	0.46
(1,2238)	2:13:A:VAL:HG21	2:17:A:HIS:HD2	20	0.46
(1,2216)	2:13:A:VAL:HG12	2:10:A:ASP:HA	3	0.46
(1,2031)	2:29:A:LEU:HD11	2:37:A:LEU:HD12	8	0.46
(1,1961)	2:34:B:LEU:HD22	2:62:B:LEU:HD13	1	0.46
(1,1960)	2:34:B:LEU:HD21	2:29:B:LEU:HD13	8	0.46
(1,1954)	2:34:B:LEU:HD23	2:38:B:LEU:HG	18	0.46
(1,1951)	2:34:B:LEU:HD22	2:31:B:LYS:HA	14	0.46
(1,1951)	2:34:B:LEU:HD23	2:31:B:LYS:HA	16	0.46
(1,1940)	2:34:B:LEU:HD12	2:59:B:MET:H	20	0.46
(1,1821)	2:36:B:GLU:HG3	2:40:B:ARG:HD3	15	0.46
(1,1771)	2:37:A:LEU:HD13	2:16:A:PHE:HA	4	0.46
(1,1771)	2:37:A:LEU:HD12	2:16:A:PHE:HA	6	0.46
(1,1752)	2:38:B:LEU:HD11	1:1928:C:PHE:HZ	4	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1707)	2:38:A:LEU:HD21	2:35:A:LYS:HA	17	0.46
(1,1705)	2:38:A:LEU:HD12	2:50:A:THR:HB	16	0.46
(1,1655)	2:39:A:THR:HG23	2:35:A:LYS:HE3	7	0.46
(1,1591)	2:42:B:LEU:HD13	2:6:A:GLU:HB2	9	0.46
(1,1591)	2:42:B:LEU:HD11	2:6:A:GLU:HB2	14	0.46
(1,1543)	2:42:A:LEU:HD13	2:82:A:ILE:HD12	12	0.46
(1,1543)	2:42:A:LEU:HD13	2:82:A:ILE:HD12	17	0.46
(1,1461)	2:46:A:LEU:HD22	2:39:A:THR:H	9	0.46
(1,1461)	2:46:A:LEU:HD21	2:39:A:THR:H	18	0.46
(1,1385)	2:50:B:THR:HG22	1:1928:C:PHE:HD1	18	0.46
(1,1385)	2:50:B:THR:HG22	1:1928:C:PHE:HD2	18	0.46
(1,1347)	2:52:A:GLU:HG2	2:35:A:LYS:HD3	19	0.46
(1,1329)	2:53:B:ALA:HB2	2:57:B:LYS:HE2	7	0.46
(1,1125)	2:58:A:LEU:HD11	2:61:A:ASN:HD22	18	0.46
(1,1107)	2:59:B:MET:HE3	2:71:B:ASP:H	4	0.46
(1,1097)	2:59:B:MET:HE2	2:68:B:ASN:HD21	20	0.46
(1,1091)	2:59:B:MET:HE2	2:69:B:GLU:H	18	0.46
(1,1079)	2:59:B:MET:HE1	2:59:B:MET:HG3	4	0.46
(1,1047)	2:59:A:MET:HE3	2:33:A:GLU:H	6	0.46
(1,1001)	2:60:B:SER:HB2	2:63:B:ASP:HB2	6	0.46
(1,1001)	2:60:B:SER:HB2	2:63:B:ASP:HB2	16	0.46
(1,900)	2:62:A:LEU:HD13	2:61:A:ASN:HB3	11	0.46
(1,584)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	17	0.46
(1,583)	2:77:A:VAL:HG22	1:1910:C:MET:HG2	16	0.46
(1,558)	2:77:A:VAL:HG22	1:1910:C:MET:H	8	0.46
(1,558)	2:77:A:VAL:HG22	1:1910:C:MET:H	17	0.46
(1,387)	2:82:B:ILE:HD12	2:82:B:ILE:HA	8	0.46
(1,253)	2:84:B:MET:HE3	2:73:A:GLN:HE22	2	0.46
(1,207)	2:84:A:MET:HE3	2:81:A:CYS:HG	1	0.46
(1,207)	2:84:A:MET:HE3	2:81:A:CYS:HG	17	0.46
(1,207)	2:84:A:MET:HE3	2:81:A:CYS:HG	20	0.46
(1,178)	2:85:B:MET:HE1	1:1928:C:PHE:HZ	17	0.46
(1,176)	2:85:B:MET:HE1	1:1928:C:PHE:H	4	0.46
(1,7015)	2:19:B:TYR:HE1	2:36:B:GLU:HB3	20	0.45
(1,6996)	2:72:B:PHE:HZ	2:13:B:VAL:HA	15	0.45
(1,6980)	2:78:B:PHE:HE2	2:34:B:LEU:HD13	19	0.45
(1,6601)	2:5:A:LEU:HD23	2:12:B:MET:HE3	4	0.45
(1,6601)	2:5:A:LEU:HD21	2:12:B:MET:HE1	15	0.45
(1,6592)	2:5:B:LEU:HD22	2:79:A:LEU:HG	4	0.45
(1,6557)	2:8:A:ALA:HB2	2:6:A:GLU:H	5	0.45
(1,6537)	2:8:A:ALA:HB1	2:12:B:MET:HG3	9	0.45
(1,6524)	2:9:A:LEU:HD12	2:6:A:GLU:HA	4	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6516)	2:9:B:LEU:HD23	2:12:B:MET:HB2	11	0.45
(1,6509)	2:9:B:LEU:HD11	2:6:B:GLU:HA	12	0.45
(1,6487)	2:11:A:VAL:HG11	2:4:B:PRO:HD2	3	0.45
(1,6449)	2:12:A:MET:HE2	2:9:A:LEU:HD13	16	0.45
(1,6442)	2:12:B:MET:HE3	2:75:B:TYR:HD1	14	0.45
(1,6399)	2:15:A:THR:HG23	2:41:A:GLU:HA	2	0.45
(1,6250)	2:28:B:LYS:HB3	2:29:B:LEU:HB2	13	0.45
(1,6216)	2:57:B:LYS:HD3	2:56:B:GLN:HG3	16	0.45
(1,6210)	2:32:B:SER:HB2	2:33:B:GLU:H	3	0.45
(1,6210)	2:32:B:SER:HB2	2:33:B:GLU:H	13	0.45
(1,6175)	2:34:A:LEU:HD11	2:78:A:PHE:HB3	4	0.45
(1,6071)	2:39:B:THR:HG21	2:38:B:LEU:HB3	6	0.45
(1,6071)	2:39:B:THR:HG23	2:38:B:LEU:HB3	9	0.45
(1,6071)	2:39:B:THR:HG22	2:38:B:LEU:HB3	19	0.45
(1,6066)	2:40:B:ARG:HD3	2:19:B:TYR:HD2	18	0.45
(1,5949)	2:59:A:MET:HE2	2:30:A:ASN:H	5	0.45
(1,5948)	2:59:A:MET:HE2	2:69:A:GLU:H	6	0.45
(1,5947)	2:59:A:MET:HE1	2:69:A:GLU:HA	5	0.45
(1,5899)	2:29:B:LEU:HD23	2:19:B:TYR:HB3	17	0.45
(1,5783)	2:82:A:ILE:HD12	2:79:A:LEU:H	3	0.45
(1,5783)	2:82:A:ILE:HD11	2:79:A:LEU:H	15	0.45
(1,5745)	2:85:B:MET:HE3	2:45:B:PHE:HB2	12	0.45
(1,5744)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	15	0.45
(1,5639)	1:1901:C:GLU:HB2	1:1905:C:GLU:HB2	8	0.45
(1,5630)	1:1903:C:ALA:HB1	2:9:B:LEU:HD13	1	0.45
(1,5630)	1:1903:C:ALA:HB2	2:9:B:LEU:HD13	1	0.45
(1,5630)	1:1903:C:ALA:HB3	2:9:B:LEU:HD13	1	0.45
(1,5567)	1:1906:C:THR:HG21	1:1905:C:GLU:HB2	5	0.45
(1,5567)	1:1906:C:THR:HG22	1:1905:C:GLU:HB2	5	0.45
(1,5567)	1:1906:C:THR:HG23	1:1905:C:GLU:HB2	5	0.45
(1,5344)	1:1917:C:LEU:HD21	2:62:B:LEU:HA	9	0.45
(1,4982)	1:1911:C:ASN:HD22	1:1915:C:SER:HA	15	0.45
(1,4422)	2:58:B:LEU:HD11	1:1928:C:PHE:HZ	13	0.45
(1,4411)	2:46:B:LEU:HD11	1:1928:C:PHE:HD2	7	0.45
(1,4392)	1:1928:C:PHE:HZ	1:1930:C:VAL:HG23	6	0.45
(1,4065)	2:85:B:MET:HE3	1:1930:C:VAL:HA	13	0.45
(1,4061)	2:85:B:MET:HE3	1:1928:C:PHE:HB2	15	0.45
(1,4058)	2:85:B:MET:HE3	1:1930:C:VAL:HB	13	0.45
(1,4049)	2:85:A:MET:HE2	1:1899:C:GLU:H	11	0.45
(1,4018)	2:38:B:LEU:HD22	1:1927:C:PRO:HB2	4	0.45
(1,3979)	2:62:B:LEU:HD12	1:1920:C:LYS:HG3	6	0.45
(1,3979)	2:62:B:LEU:HD12	1:1920:C:LYS:HG3	12	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3979)	2:62:B:LEU:HD12	1:1920:C:LYS:HG3	18	0.45
(1,3954)	2:77:B:VAL:HG13	1:1914:C:VAL:HG11	9	0.45
(1,3954)	2:77:B:VAL:HG13	1:1914:C:VAL:HG12	9	0.45
(1,3954)	2:77:B:VAL:HG13	1:1914:C:VAL:HG13	9	0.45
(1,3948)	2:77:A:VAL:HG13	1:1910:C:MET:HA	2	0.45
(1,3948)	2:77:A:VAL:HG12	1:1910:C:MET:HA	7	0.45
(1,3931)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	9	0.45
(1,3923)	2:58:A:LEU:HD23	1:1903:C:ALA:HB1	1	0.45
(1,3923)	2:58:A:LEU:HD23	1:1903:C:ALA:HB2	1	0.45
(1,3923)	2:58:A:LEU:HD23	1:1903:C:ALA:HB3	1	0.45
(1,3886)	2:82:A:ILE:HD13	1:1900:C:LEU:HD21	12	0.45
(1,3886)	2:82:A:ILE:HD13	1:1900:C:LEU:HD22	12	0.45
(1,3886)	2:82:A:ILE:HD13	1:1900:C:LEU:HD23	12	0.45
(1,3770)	2:57:A:LYS:H	2:57:A:LYS:HE2	16	0.45
(1,2756)	2:28:A:LYS:H	2:28:A:LYS:HD3	2	0.45
(1,2743)	2:27:A:PHE:H	2:27:A:PHE:HD1	14	0.45
(1,2743)	2:27:A:PHE:H	2:27:A:PHE:HD2	14	0.45
(1,2554)	2:5:A:LEU:HD21	2:9:A:LEU:HD12	5	0.45
(1,2517)	2:5:B:LEU:HD21	2:9:B:LEU:HD11	1	0.45
(1,2414)	2:9:B:LEU:HD21	2:82:A:ILE:HG22	3	0.45
(1,2414)	2:9:B:LEU:HD21	2:82:A:ILE:HG22	16	0.45
(1,2414)	2:9:B:LEU:HD23	2:82:A:ILE:HG22	18	0.45
(1,2271)	2:12:B:MET:HE3	2:79:B:LEU:HA	9	0.45
(1,2216)	2:13:A:VAL:HG12	2:10:A:ASP:HA	18	0.45
(1,2039)	2:29:B:LEU:HD13	2:34:B:LEU:HA	8	0.45
(1,1961)	2:34:B:LEU:HD22	2:62:B:LEU:HD11	11	0.45
(1,1954)	2:34:B:LEU:HD23	2:38:B:LEU:HG	12	0.45
(1,1951)	2:34:B:LEU:HD23	2:31:B:LYS:HA	9	0.45
(1,1940)	2:34:B:LEU:HD12	2:59:B:MET:H	2	0.45
(1,1914)	2:34:A:LEU:HD22	2:31:A:LYS:HA	14	0.45
(1,1775)	2:37:B:LEU:HD11	2:29:B:LEU:HD11	12	0.45
(1,1774)	2:37:B:LEU:HD12	2:16:B:PHE:HA	6	0.45
(1,1774)	2:37:B:LEU:HD13	2:16:B:PHE:HA	10	0.45
(1,1771)	2:37:A:LEU:HD13	2:16:A:PHE:HA	10	0.45
(1,1752)	2:38:B:LEU:HD13	1:1928:C:PHE:HZ	12	0.45
(1,1652)	2:39:A:THR:HB	2:36:A:GLU:HB3	14	0.45
(1,1652)	2:39:A:THR:HB	2:36:A:GLU:HB2	16	0.45
(1,1563)	2:42:A:LEU:HD12	2:34:A:LEU:HA	2	0.45
(1,1461)	2:46:A:LEU:HD21	2:39:A:THR:H	10	0.45
(1,1407)	2:49:A:ARG:HG2	2:54:A:ALA:HB3	15	0.45
(1,1405)	2:49:A:ARG:HB2	2:54:A:ALA:HB3	4	0.45
(1,1321)	2:53:A:ALA:HB3	2:55:A:PHE:HD1	16	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1321)	2:53:A:ALA:HB3	2:55:A:PHE:HD2	16	0.45
(1,1107)	2:59:B:MET:HE3	2:71:B:ASP:H	15	0.45
(1,1091)	2:59:B:MET:HE3	2:69:B:GLU:H	13	0.45
(1,1079)	2:59:B:MET:HE2	2:59:B:MET:HG3	1	0.45
(1,1079)	2:59:B:MET:HE2	2:59:B:MET:HG3	6	0.45
(1,1070)	2:59:B:MET:HE1	2:62:B:LEU:HD21	2	0.45
(1,1046)	2:59:A:MET:HE1	2:67:A:ASP:H	11	0.45
(1,1041)	2:59:A:MET:HE3	2:55:A:PHE:HD1	12	0.45
(1,1034)	2:59:A:MET:HE1	2:68:A:ASN:HB3	16	0.45
(1,1033)	2:59:A:MET:HE2	2:68:A:ASN:HB2	3	0.45
(1,1001)	2:60:B:SER:HB2	2:63:B:ASP:HB2	10	0.45
(1,1001)	2:60:B:SER:HB2	2:63:B:ASP:HB2	11	0.45
(1,961)	2:62:B:LEU:HD22	2:78:B:PHE:H	9	0.45
(1,961)	2:62:B:LEU:HD23	2:78:B:PHE:H	19	0.45
(1,781)	2:70:B:VAL:HG21	2:62:B:LEU:HD21	18	0.45
(1,742)	2:70:A:VAL:HG21	2:58:A:LEU:HG	3	0.45
(1,584)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	9	0.45
(1,252)	2:84:B:MET:HE1	2:72:A:PHE:HD1	14	0.45
(1,252)	2:84:B:MET:HE1	2:72:A:PHE:HD2	14	0.45
(1,240)	2:84:B:MET:HE2	1:1918:C:LYS:HD2	18	0.45
(1,207)	2:84:A:MET:HE1	2:81:A:CYS:HG	11	0.45
(1,178)	2:85:B:MET:HE1	1:1928:C:PHE:HZ	6	0.45
(1,132)	2:85:A:MET:HE3	2:83:A:ALA:H	6	0.45
(1,6828)	2:75:A:TYR:H	2:29:A:LEU:HD11	16	0.44
(1,6777)	2:34:A:LEU:H	2:59:A:MET:HE1	14	0.44
(1,6592)	2:5:B:LEU:HD23	2:79:A:LEU:HG	15	0.44
(1,6557)	2:8:A:ALA:HB2	2:6:A:GLU:H	2	0.44
(1,6524)	2:9:A:LEU:HD12	2:12:A:MET:HA	11	0.44
(1,6509)	2:9:B:LEU:HD11	2:6:B:GLU:HA	1	0.44
(1,6509)	2:9:B:LEU:HD11	2:6:B:GLU:HA	3	0.44
(1,6449)	2:12:A:MET:HE1	2:9:A:LEU:HD12	2	0.44
(1,6449)	2:12:A:MET:HE2	2:9:A:LEU:HD13	13	0.44
(1,6437)	2:12:B:MET:HE2	2:79:A:LEU:HB3	19	0.44
(1,6433)	2:12:B:MET:HG3	2:13:B:VAL:HG12	13	0.44
(1,6399)	2:15:A:THR:HG22	2:41:A:GLU:HA	10	0.44
(1,6360)	2:21:B:GLY:HA2	2:26:B:LYS:HD3	11	0.44
(1,6270)	2:27:A:PHE:HA	2:75:A:TYR:HD2	7	0.44
(1,6195)	2:33:A:GLU:HA	2:35:A:LYS:HG2	16	0.44
(1,6183)	2:34:A:LEU:HD23	2:38:A:LEU:HG	16	0.44
(1,6175)	2:34:A:LEU:HD11	2:78:A:PHE:HB3	8	0.44
(1,6175)	2:34:A:LEU:HD11	2:78:A:PHE:HB3	9	0.44
(1,6107)	2:38:B:LEU:HD11	2:34:B:LEU:HD13	15	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6067)	2:40:A:ARG:HD3	2:19:A:TYR:HE1	20	0.44
(1,6066)	2:40:B:ARG:HD3	2:19:B:TYR:HD1	15	0.44
(1,6048)	2:42:B:LEU:HD23	2:79:B:LEU:HD22	11	0.44
(1,6019)	2:46:A:LEU:HD22	2:55:A:PHE:HA	15	0.44
(1,5974)	2:58:B:LEU:HD21	2:55:B:PHE:HB2	15	0.44
(1,5925)	2:62:B:LEU:HD13	2:58:B:LEU:HG	8	0.44
(1,5814)	2:79:B:LEU:HD12	2:9:A:LEU:HD22	14	0.44
(1,5812)	2:79:B:LEU:HD13	2:75:B:TYR:HA	20	0.44
(1,5783)	2:82:A:ILE:HD12	2:79:A:LEU:H	13	0.44
(1,5761)	2:83:A:ALA:HB1	2:80:A:SER:H	6	0.44
(1,5630)	1:1903:C:ALA:HB1	2:9:B:LEU:HD13	3	0.44
(1,5630)	1:1903:C:ALA:HB2	2:9:B:LEU:HD13	3	0.44
(1,5630)	1:1903:C:ALA:HB3	2:9:B:LEU:HD13	3	0.44
(1,5570)	1:1906:C:THR:HG21	1:1905:C:GLU:HG2	1	0.44
(1,5570)	1:1906:C:THR:HG22	1:1905:C:GLU:HG2	1	0.44
(1,5570)	1:1906:C:THR:HG23	1:1905:C:GLU:HG2	1	0.44
(1,5482)	1:1910:C:MET:HG3	2:73:B:GLN:HB3	13	0.44
(1,5163)	1:1930:C:VAL:HG11	2:85:B:MET:HE3	13	0.44
(1,5163)	1:1930:C:VAL:HG12	2:85:B:MET:HE3	13	0.44
(1,5163)	1:1930:C:VAL:HG13	2:85:B:MET:HE3	13	0.44
(1,5099)	1:1935:C:ALA:HB1	1:1933:C:ARG:HB3	7	0.44
(1,5099)	1:1935:C:ALA:HB2	1:1933:C:ARG:HB3	7	0.44
(1,5099)	1:1935:C:ALA:HB3	1:1933:C:ARG:HB3	7	0.44
(1,5009)	1:1909:C:ALA:H	1:1905:C:GLU:HB3	6	0.44
(1,4846)	1:1926:C:LEU:H	1:1920:C:LYS:HA	1	0.44
(1,4422)	1:1921:C:LEU:HD22	1:1928:C:PHE:HZ	10	0.44
(1,4411)	2:46:B:LEU:HD11	1:1928:C:PHE:HD1	11	0.44
(1,4178)	2:46:A:LEU:HD22	1:1897:C:GLN:HG2	16	0.44
(1,4163)	2:54:A:ALA:HB2	1:1897:C:GLN:HA	19	0.44
(1,4121)	2:77:B:VAL:HG11	1:1913:C:GLU:H	6	0.44
(1,4078)	2:84:A:MET:HE3	1:1910:C:MET:HB3	9	0.44
(1,4078)	2:84:A:MET:HE3	1:1910:C:MET:HB3	15	0.44
(1,4065)	2:85:B:MET:HE3	1:1930:C:VAL:HA	17	0.44
(1,4065)	2:85:B:MET:HE3	1:1930:C:VAL:HA	18	0.44
(1,4049)	2:85:A:MET:HE2	1:1899:C:GLU:H	14	0.44
(1,4019)	2:38:B:LEU:HD13	1:1928:C:PHE:HD2	15	0.44
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD11	1	0.44
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD12	1	0.44
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD13	1	0.44
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD11	4	0.44
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD12	4	0.44
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD13	4	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD11	10	0.44
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD12	10	0.44
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD13	10	0.44
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD11	14	0.44
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD12	14	0.44
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD13	14	0.44
(1,3979)	2:62:B:LEU:HD12	1:1920:C:LYS:HG3	1	0.44
(1,3948)	2:77:A:VAL:HG12	1:1910:C:MET:HA	5	0.44
(1,3948)	2:77:A:VAL:HG13	1:1910:C:MET:HA	14	0.44
(1,3923)	2:58:A:LEU:HD22	1:1903:C:ALA:HB1	18	0.44
(1,3923)	2:58:A:LEU:HD22	1:1903:C:ALA:HB2	18	0.44
(1,3923)	2:58:A:LEU:HD22	1:1903:C:ALA:HB3	18	0.44
(1,3908)	2:38:A:LEU:HD12	1:1900:C:LEU:HB3	18	0.44
(1,3900)	2:62:A:LEU:HD23	1:1907:C:ALA:HB1	20	0.44
(1,3900)	2:62:A:LEU:HD23	1:1907:C:ALA:HB2	20	0.44
(1,3900)	2:62:A:LEU:HD23	1:1907:C:ALA:HB3	20	0.44
(1,3886)	2:82:A:ILE:HD13	1:1900:C:LEU:HD21	5	0.44
(1,3886)	2:82:A:ILE:HD13	1:1900:C:LEU:HD22	5	0.44
(1,3886)	2:82:A:ILE:HD13	1:1900:C:LEU:HD23	5	0.44
(1,2517)	2:5:B:LEU:HD21	2:9:B:LEU:HD11	14	0.44
(1,2495)	2:5:B:LEU:HD12	2:6:B:GLU:HA	17	0.44
(1,2414)	2:9:B:LEU:HD23	2:82:A:ILE:HG22	9	0.44
(1,2390)	2:9:B:LEU:HD12	2:12:B:MET:HG3	9	0.44
(1,2331)	2:11:A:VAL:HG12	2:7:A:LYS:HG2	19	0.44
(1,2311)	2:12:A:MET:HE3	2:12:A:MET:HA	4	0.44
(1,2275)	2:12:B:MET:HE2	2:80:B:SER:HA	4	0.44
(1,2271)	2:12:B:MET:HE3	2:79:B:LEU:HA	6	0.44
(1,2271)	2:12:B:MET:HE3	2:79:B:LEU:HA	18	0.44
(1,2258)	2:12:B:MET:HG3	2:5:A:LEU:HD21	13	0.44
(1,2216)	2:13:A:VAL:HG11	2:10:A:ASP:HA	19	0.44
(1,2039)	2:29:B:LEU:HD13	2:34:B:LEU:HA	3	0.44
(1,1988)	2:31:A:LYS:HD2	2:55:A:PHE:HD1	12	0.44
(1,1961)	2:34:B:LEU:HD23	2:62:B:LEU:HD13	6	0.44
(1,1954)	2:34:B:LEU:HD23	2:38:B:LEU:HG	6	0.44
(1,1914)	2:34:A:LEU:HD23	2:31:A:LYS:HA	9	0.44
(1,1914)	2:34:A:LEU:HD23	2:31:A:LYS:HA	16	0.44
(1,1854)	2:35:A:LYS:HE2	2:32:A:SER:HA	5	0.44
(1,1775)	2:37:B:LEU:HD12	2:29:B:LEU:HD11	13	0.44
(1,1752)	2:38:B:LEU:HD12	1:1928:C:PHE:HZ	5	0.44
(1,1752)	2:38:B:LEU:HD13	1:1928:C:PHE:HZ	10	0.44
(1,1752)	2:38:B:LEU:HD13	1:1928:C:PHE:HZ	16	0.44
(1,1709)	2:38:A:LEU:HD13	2:42:A:LEU:HD21	9	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1695)	2:38:A:LEU:HD12	2:42:A:LEU:H	1	0.44
(1,1695)	2:38:A:LEU:HD12	2:42:A:LEU:H	2	0.44
(1,1661)	2:39:A:THR:HG21	2:55:A:PHE:HE1	20	0.44
(1,1461)	2:46:A:LEU:HD23	2:39:A:THR:H	1	0.44
(1,1409)	2:49:A:ARG:HD3	2:54:A:ALA:HB3	20	0.44
(1,1405)	2:49:A:ARG:HB2	2:54:A:ALA:HB2	5	0.44
(1,1405)	2:49:A:ARG:HB2	2:54:A:ALA:HB3	11	0.44
(1,1347)	2:52:A:GLU:HG2	2:35:A:LYS:HD3	11	0.44
(1,1332)	2:53:B:ALA:HB1	2:56:B:GLN:H	15	0.44
(1,1332)	2:53:B:ALA:HB1	2:56:B:GLN:H	16	0.44
(1,1329)	2:53:B:ALA:HB1	2:57:B:LYS:HE2	15	0.44
(1,1317)	2:53:A:ALA:HB2	2:52:A:GLU:HG2	3	0.44
(1,1125)	2:58:A:LEU:HD12	2:61:A:ASN:HD22	15	0.44
(1,1097)	2:59:B:MET:HE2	2:68:B:ASN:HD21	13	0.44
(1,1091)	2:59:B:MET:HE3	2:69:B:GLU:H	5	0.44
(1,1091)	2:59:B:MET:HE3	2:69:B:GLU:H	8	0.44
(1,1079)	2:59:B:MET:HE2	2:59:B:MET:HG3	20	0.44
(1,1051)	2:59:A:MET:HE3	2:68:A:ASN:H	8	0.44
(1,1046)	2:59:A:MET:HE3	2:67:A:ASP:H	10	0.44
(1,1037)	2:59:A:MET:HE2	2:68:A:ASN:HA	9	0.44
(1,1034)	2:59:A:MET:HE2	2:68:A:ASN:HB3	19	0.44
(1,961)	2:62:B:LEU:HD22	2:78:B:PHE:H	6	0.44
(1,936)	2:62:B:LEU:HD12	2:61:B:ASN:HB2	13	0.44
(1,753)	2:70:B:VAL:HG22	2:74:B:GLU:H	15	0.44
(1,590)	2:77:B:VAL:HG11	1:1913:C:GLU:H	6	0.44
(1,460)	2:79:A:LEU:HD23	2:76:A:CYS:HA	11	0.44
(1,383)	2:82:B:ILE:HD12	2:85:B:MET:HE3	8	0.44
(1,383)	2:82:B:ILE:HD11	2:85:B:MET:HE3	18	0.44
(1,376)	2:82:B:ILE:HG21	1:1929:C:VAL:HG11	8	0.44
(1,376)	2:82:B:ILE:HG21	1:1929:C:VAL:HG12	8	0.44
(1,376)	2:82:B:ILE:HG21	1:1929:C:VAL:HG13	8	0.44
(1,243)	2:84:B:MET:HE2	2:85:B:MET:HB2	17	0.44
(1,207)	2:84:A:MET:HE3	2:81:A:CYS:HG	12	0.44
(1,134)	2:85:A:MET:HE1	2:82:A:ILE:HD13	8	0.44
(1,134)	2:85:A:MET:HE1	2:82:A:ILE:HD13	11	0.44
(2,46)	1:1916:C:SER:H	1:1912:C:ARG:HB2	8	0.43
(2,45)	1:1918:C:LYS:H	1:1916:C:SER:HB2	10	0.43
(1,6947)	2:80:B:SER:H	1:1917:C:LEU:HD13	8	0.43
(1,6858)	2:2:B:ALA:H	2:7:B:LYS:HB2	14	0.43
(1,6790)	2:41:A:GLU:H	2:19:A:TYR:HE2	9	0.43
(1,6656)	2:100:B:LYS:H	2:100:B:LYS:HA	16	0.43
(1,6644)	2:4:B:PRO:HG2	2:11:A:VAL:HG22	20	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6595)	2:5:B:LEU:HD23	2:78:A:PHE:HE2	8	0.43
(1,6573)	2:6:B:GLU:HA	2:43:A:PRO:HD3	6	0.43
(1,6573)	2:6:B:GLU:HA	2:43:A:PRO:HD3	8	0.43
(1,6557)	2:8:A:ALA:HB2	2:6:A:GLU:H	6	0.43
(1,6535)	2:8:B:ALA:HA	2:11:B:VAL:HB	12	0.43
(1,6460)	2:12:A:MET:HE2	2:9:A:LEU:H	7	0.43
(1,6437)	2:12:B:MET:HE1	2:79:A:LEU:HB3	2	0.43
(1,6428)	2:13:B:VAL:HG21	2:72:B:PHE:HZ	1	0.43
(1,6250)	2:28:B:LYS:HB3	2:29:B:LEU:HB2	1	0.43
(1,6244)	2:29:B:LEU:HD11	2:34:B:LEU:HB3	4	0.43
(1,6183)	2:34:A:LEU:HD22	2:38:A:LEU:HG	7	0.43
(1,6154)	2:37:A:LEU:HD13	2:16:A:PHE:HD1	2	0.43
(1,6107)	2:38:B:LEU:HD12	2:34:B:LEU:HD13	3	0.43
(1,6107)	2:38:B:LEU:HD12	2:34:B:LEU:HD13	18	0.43
(1,6076)	2:39:A:THR:HG22	2:50:A:THR:HB	16	0.43
(1,6063)	2:40:B:ARG:HD3	2:39:B:THR:HG23	10	0.43
(1,6048)	2:42:B:LEU:HD22	2:79:B:LEU:HD22	1	0.43
(1,6038)	2:42:A:LEU:HD11	2:6:B:GLU:HA	3	0.43
(1,6019)	2:46:A:LEU:HD21	2:55:A:PHE:HA	11	0.43
(1,6019)	2:46:A:LEU:HD22	2:55:A:PHE:HA	17	0.43
(1,5994)	2:54:B:ALA:HB3	1:1926:C:LEU:HD12	16	0.43
(1,5946)	2:59:A:MET:HE2	2:30:A:ASN:HB3	10	0.43
(1,5865)	2:73:A:GLN:HA	1:1914:C:VAL:HG21	8	0.43
(1,5814)	2:79:B:LEU:HD12	2:9:A:LEU:HD23	4	0.43
(1,5806)	2:79:A:LEU:HD22	2:12:A:MET:HG3	7	0.43
(1,5806)	2:79:A:LEU:HD22	2:12:A:MET:HG3	16	0.43
(1,5792)	2:82:B:ILE:HD12	1:1921:C:LEU:HD11	4	0.43
(1,5756)	2:84:B:MET:HE2	1:1918:C:LYS:HA	13	0.43
(1,5657)	1:1900:C:LEU:HD11	2:46:A:LEU:HA	16	0.43
(1,5486)	1:1910:C:MET:HE3	2:77:B:VAL:HG13	5	0.43
(1,5287)	1:1921:C:LEU:HD21	1:1917:C:LEU:HD21	13	0.43
(1,5287)	1:1921:C:LEU:HD21	1:1917:C:LEU:HD22	13	0.43
(1,5287)	1:1921:C:LEU:HD21	1:1917:C:LEU:HD23	13	0.43
(1,5287)	1:1921:C:LEU:HD22	1:1917:C:LEU:HD21	13	0.43
(1,5287)	1:1921:C:LEU:HD22	1:1917:C:LEU:HD22	13	0.43
(1,5287)	1:1921:C:LEU:HD22	1:1917:C:LEU:HD23	13	0.43
(1,5287)	1:1921:C:LEU:HD23	1:1917:C:LEU:HD21	13	0.43
(1,5287)	1:1921:C:LEU:HD23	1:1917:C:LEU:HD22	13	0.43
(1,5287)	1:1921:C:LEU:HD23	1:1917:C:LEU:HD23	13	0.43
(1,5094)	1:1898:C:ARG:H	1:1897:C:GLN:HA	8	0.43
(1,5080)	1:1899:C:GLU:H	1:1898:C:ARG:HD3	8	0.43
(1,5009)	1:1909:C:ALA:H	1:1905:C:GLU:HB3	11	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5009)	1:1909:C:ALA:H	1:1905:C:GLU:HB3	19	0.43
(1,4879)	1:1920:C:LYS:H	1:1926:C:LEU:HG	8	0.43
(1,4860)	1:1923:C:ARG:H	1:1922:C:ARG:HD3	19	0.43
(1,4690)	1:1914:C:VAL:HG22	1:1915:C:SER:HB2	12	0.43
(1,4631)	1:1912:C:ARG:HB3	1:1909:C:ALA:HA	2	0.43
(1,4485)	1:1926:C:LEU:HG	1:1924:C:GLY:H	10	0.43
(1,4412)	2:38:B:LEU:HD23	1:1928:C:PHE:HD2	2	0.43
(1,4412)	2:38:B:LEU:HD23	1:1928:C:PHE:HD2	14	0.43
(1,4411)	2:46:B:LEU:HD11	1:1928:C:PHE:HD1	13	0.43
(1,4163)	2:54:A:ALA:HB3	1:1897:C:GLN:HA	20	0.43
(1,4155)	2:58:A:LEU:HD13	1:1903:C:ALA:H	15	0.43
(1,4155)	2:58:A:LEU:HD11	1:1903:C:ALA:H	19	0.43
(1,4148)	2:61:B:ASN:HA	1:1917:C:LEU:HD21	19	0.43
(1,4148)	2:61:B:ASN:HA	1:1917:C:LEU:HD22	19	0.43
(1,4148)	2:61:B:ASN:HA	1:1917:C:LEU:HD23	19	0.43
(1,4078)	2:84:A:MET:HE3	1:1910:C:MET:HB3	13	0.43
(1,4078)	2:84:A:MET:HE3	1:1910:C:MET:HB3	19	0.43
(1,4065)	2:85:B:MET:HE3	1:1930:C:VAL:HA	9	0.43
(1,4062)	2:85:B:MET:HE1	1:1922:C:ARG:HD3	19	0.43
(1,4058)	2:85:B:MET:HE3	1:1930:C:VAL:HB	4	0.43
(1,4058)	2:85:B:MET:HE3	1:1930:C:VAL:HB	10	0.43
(1,4049)	2:85:A:MET:HE2	1:1899:C:GLU:H	1	0.43
(1,3979)	2:62:B:LEU:HD12	1:1920:C:LYS:HG3	11	0.43
(1,3954)	2:77:B:VAL:HG11	1:1914:C:VAL:HG11	20	0.43
(1,3954)	2:77:B:VAL:HG11	1:1914:C:VAL:HG12	20	0.43
(1,3954)	2:77:B:VAL:HG11	1:1914:C:VAL:HG13	20	0.43
(1,3948)	2:77:A:VAL:HG11	1:1910:C:MET:HA	3	0.43
(1,3787)	2:28:A:LYS:H	2:28:A:LYS:HE2	10	0.43
(1,3716)	2:89:B:PHE:H	2:101:B:LYS:HG2	1	0.43
(1,2743)	2:27:A:PHE:H	2:27:A:PHE:HD1	19	0.43
(1,2743)	2:27:A:PHE:H	2:27:A:PHE:HD2	19	0.43
(1,2728)	2:21:B:GLY:H	2:26:B:LYS:HD3	2	0.43
(1,2591)	2:4:B:PRO:HG2	2:11:A:VAL:HG22	20	0.43
(1,2414)	2:9:B:LEU:HD22	2:82:A:ILE:HG22	14	0.43
(1,2331)	2:11:A:VAL:HG13	2:7:A:LYS:HG3	3	0.43
(1,2331)	2:11:A:VAL:HG12	2:7:A:LYS:HG2	17	0.43
(1,2311)	2:12:A:MET:HE3	2:12:A:MET:HA	5	0.43
(1,2311)	2:12:A:MET:HE3	2:12:A:MET:HA	19	0.43
(1,2299)	2:12:A:MET:HG3	2:5:B:LEU:HD21	13	0.43
(1,2279)	2:12:B:MET:HE2	2:83:A:ALA:H	8	0.43
(1,2279)	2:12:B:MET:HE2	2:83:A:ALA:H	9	0.43
(1,2238)	2:13:A:VAL:HG22	2:17:A:HIS:HD2	5	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2215)	2:13:A:VAL:HG12	2:86:B:CYS:H	19	0.43
(1,2182)	2:15:B:THR:HG22	2:41:B:GLU:HG2	18	0.43
(1,1821)	2:36:B:GLU:HG3	2:40:B:ARG:HD3	6	0.43
(1,1775)	2:37:B:LEU:HD12	2:29:B:LEU:HD11	8	0.43
(1,1709)	2:38:A:LEU:HD13	2:42:A:LEU:HD23	7	0.43
(1,1707)	2:38:A:LEU:HD21	2:35:A:LYS:HA	16	0.43
(1,1671)	2:39:B:THR:HG23	2:40:B:ARG:HD3	10	0.43
(1,1655)	2:39:A:THR:HG22	2:35:A:LYS:HE3	8	0.43
(1,1461)	2:46:A:LEU:HD21	2:39:A:THR:H	7	0.43
(1,1407)	2:49:A:ARG:HG2	2:54:A:ALA:HB1	1	0.43
(1,1346)	2:52:A:GLU:HG2	2:53:A:ALA:HB2	12	0.43
(1,1159)	2:58:A:LEU:HD21	2:62:A:LEU:HD23	8	0.43
(1,1107)	2:59:B:MET:HE3	2:71:B:ASP:H	7	0.43
(1,1092)	2:59:B:MET:HE1	2:61:B:ASN:H	8	0.43
(1,1079)	2:59:B:MET:HE2	2:59:B:MET:HG3	13	0.43
(1,1079)	2:59:B:MET:HE1	2:59:B:MET:HG3	18	0.43
(1,1075)	2:59:B:MET:HE3	2:29:B:LEU:HB3	4	0.43
(1,1075)	2:59:B:MET:HE3	2:29:B:LEU:HB3	10	0.43
(1,1052)	2:59:A:MET:HE2	2:62:A:LEU:H	16	0.43
(1,1037)	2:59:A:MET:HE3	2:68:A:ASN:HA	7	0.43
(1,1033)	2:59:A:MET:HE2	2:68:A:ASN:HB2	7	0.43
(1,961)	2:62:B:LEU:HD23	2:78:B:PHE:H	8	0.43
(1,781)	2:70:B:VAL:HG23	2:62:B:LEU:HD21	13	0.43
(1,742)	2:70:A:VAL:HG21	2:58:A:LEU:HG	4	0.43
(1,717)	2:70:B:VAL:HG11	2:78:B:PHE:HE1	18	0.43
(1,717)	2:70:B:VAL:HG11	2:78:B:PHE:HE2	18	0.43
(1,243)	2:84:B:MET:HE2	2:85:B:MET:HB2	8	0.43
(1,243)	2:84:B:MET:HE2	2:85:B:MET:HB2	14	0.43
(1,243)	2:84:B:MET:HE2	2:85:B:MET:HB2	16	0.43
(1,214)	2:84:A:MET:HE1	2:72:B:PHE:HE1	11	0.43
(1,214)	2:84:A:MET:HE1	2:72:B:PHE:HE2	11	0.43
(1,207)	2:84:A:MET:HE3	2:81:A:CYS:HG	14	0.43
(1,207)	2:84:A:MET:HE3	2:81:A:CYS:HG	18	0.43
(1,169)	2:85:B:MET:HE1	1:1922:C:ARG:HD3	9	0.43
(1,134)	2:85:A:MET:HE3	2:82:A:ILE:HD11	4	0.43
(1,132)	2:85:A:MET:HE3	2:83:A:ALA:H	13	0.43
(1,128)	2:85:A:MET:HE1	2:45:A:PHE:H	1	0.43
(1,6713)	2:23:A:GLU:H	2:23:A:GLU:HG3	19	0.42
(1,6593)	2:5:B:LEU:HD22	2:37:A:LEU:HD22	4	0.42
(1,6592)	2:5:B:LEU:HD23	2:79:A:LEU:HG	5	0.42
(1,6592)	2:5:B:LEU:HD23	2:79:A:LEU:HG	20	0.42
(1,6573)	2:6:A:GLU:HA	2:43:B:PRO:HD3	17	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6556)	2:8:A:ALA:HB1	2:11:B:VAL:HA	8	0.42
(1,6458)	2:12:A:MET:HE3	2:75:A:TYR:HD1	7	0.42
(1,6455)	2:12:A:MET:HE2	2:76:A:CYS:HA	10	0.42
(1,6436)	2:12:B:MET:HE2	2:9:B:LEU:HD12	17	0.42
(1,6433)	2:12:B:MET:HG3	2:13:B:VAL:HG11	6	0.42
(1,6428)	2:13:A:VAL:HG21	2:72:A:PHE:HZ	12	0.42
(1,6427)	2:13:A:VAL:HG23	2:72:A:PHE:HE1	9	0.42
(1,6399)	2:15:A:THR:HG22	2:41:A:GLU:HA	9	0.42
(1,6240)	2:29:A:LEU:HD11	2:34:A:LEU:HB3	4	0.42
(1,6184)	2:34:A:LEU:HD21	2:70:A:VAL:HG11	17	0.42
(1,6183)	2:34:A:LEU:HD22	2:38:A:LEU:HG	5	0.42
(1,6183)	2:34:A:LEU:HD23	2:38:A:LEU:HG	13	0.42
(1,6144)	2:37:A:LEU:HD12	2:12:A:MET:HA	1	0.42
(1,6144)	2:37:B:LEU:HD11	2:12:B:MET:HA	3	0.42
(1,6138)	2:37:A:LEU:HD12	2:34:A:LEU:HD21	6	0.42
(1,6104)	2:38:B:LEU:HD21	2:82:B:ILE:HB	12	0.42
(1,6099)	2:38:B:LEU:HD22	2:39:B:THR:HA	16	0.42
(1,6092)	2:38:A:LEU:HD23	2:42:A:LEU:HG	5	0.42
(1,6071)	2:39:B:THR:HG22	2:38:B:LEU:HB3	5	0.42
(1,6071)	2:39:B:THR:HG23	2:38:B:LEU:HB3	14	0.42
(1,6022)	2:46:B:LEU:HD22	1:1928:C:PHE:HD1	16	0.42
(1,6009)	2:49:B:ARG:HG3	2:35:B:LYS:HD2	13	0.42
(1,6009)	2:49:B:ARG:HG3	2:35:B:LYS:HD2	18	0.42
(1,5993)	2:54:A:ALA:HB3	1:1898:C:ARG:HG2	10	0.42
(1,5974)	2:58:B:LEU:HD23	1:1928:C:PHE:HB2	10	0.42
(1,5974)	2:58:B:LEU:HD23	1:1928:C:PHE:HB2	17	0.42
(1,5962)	2:58:A:LEU:HD13	2:61:A:ASN:HA	6	0.42
(1,5959)	2:59:B:MET:HE1	2:60:B:SER:HB2	20	0.42
(1,5949)	2:59:A:MET:HE3	2:29:A:LEU:H	9	0.42
(1,5949)	2:59:A:MET:HE3	2:29:A:LEU:H	18	0.42
(1,5815)	2:79:B:LEU:HD22	2:9:A:LEU:HD21	8	0.42
(1,5814)	2:79:B:LEU:HD12	2:42:B:LEU:HD23	2	0.42
(1,5791)	2:82:B:ILE:HD13	2:58:B:LEU:HD11	10	0.42
(1,5787)	2:82:B:ILE:HD13	2:81:B:CYS:H	8	0.42
(1,5764)	2:83:A:ALA:HB3	2:72:B:PHE:HE1	8	0.42
(1,5764)	2:83:A:ALA:HB1	2:72:B:PHE:HE1	14	0.42
(1,5761)	2:83:A:ALA:HB3	2:80:A:SER:H	5	0.42
(1,5748)	2:85:B:MET:HE1	1:1923:C:ARG:H	14	0.42
(1,5745)	2:85:B:MET:HE3	2:45:B:PHE:HB2	4	0.42
(1,5743)	2:85:B:MET:HE2	1:1918:C:LYS:HE2	1	0.42
(1,5630)	1:1903:C:ALA:HB1	2:9:B:LEU:HD13	5	0.42
(1,5630)	1:1903:C:ALA:HB2	2:9:B:LEU:HD13	5	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5630)	1:1903:C:ALA:HB3	2:9:B:LEU:HD13	5	0.42
(1,5391)	1:1914:C:VAL:HG11	2:77:B:VAL:HB	14	0.42
(1,5163)	1:1930:C:VAL:HG11	2:85:B:MET:HE3	10	0.42
(1,5163)	1:1930:C:VAL:HG12	2:85:B:MET:HE3	10	0.42
(1,5163)	1:1930:C:VAL:HG13	2:85:B:MET:HE3	10	0.42
(1,5081)	1:1899:C:GLU:H	2:45:A:PHE:HB3	13	0.42
(1,4982)	1:1911:C:ASN:HD22	1:1915:C:SER:HA	17	0.42
(1,4846)	1:1926:C:LEU:H	2:54:B:ALA:HA	5	0.42
(1,4846)	1:1926:C:LEU:H	2:54:B:ALA:HA	6	0.42
(1,4191)	2:50:B:THR:HA	1:1928:C:PHE:HD2	18	0.42
(1,4178)	2:46:A:LEU:HD22	1:1897:C:GLN:HG2	7	0.42
(1,4150)	2:61:B:ASN:HA	1:1926:C:LEU:HG	7	0.42
(1,4150)	2:61:B:ASN:HA	1:1926:C:LEU:HG	9	0.42
(1,4150)	2:61:B:ASN:HA	1:1926:C:LEU:HG	20	0.42
(1,4148)	2:61:B:ASN:HA	1:1917:C:LEU:HD21	10	0.42
(1,4148)	2:61:B:ASN:HA	1:1917:C:LEU:HD22	10	0.42
(1,4148)	2:61:B:ASN:HA	1:1917:C:LEU:HD23	10	0.42
(1,4121)	2:77:B:VAL:HG13	1:1913:C:GLU:H	16	0.42
(1,4078)	2:84:A:MET:HE3	1:1910:C:MET:HB3	17	0.42
(1,4065)	2:85:B:MET:HE3	1:1930:C:VAL:HA	8	0.42
(1,4062)	2:85:B:MET:HE1	1:1922:C:ARG:HD3	7	0.42
(1,4062)	2:85:B:MET:HE1	1:1922:C:ARG:HD2	15	0.42
(1,4049)	2:85:A:MET:HE2	1:1899:C:GLU:H	2	0.42
(1,4049)	2:85:A:MET:HE2	1:1899:C:GLU:H	5	0.42
(1,4049)	2:85:A:MET:HE2	1:1899:C:GLU:H	12	0.42
(1,4019)	2:38:B:LEU:HD11	1:1928:C:PHE:HD2	8	0.42
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD11	5	0.42
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD12	5	0.42
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD13	5	0.42
(1,3979)	2:62:B:LEU:HD12	1:1920:C:LYS:HG3	2	0.42
(1,3979)	2:62:B:LEU:HD12	1:1920:C:LYS:HG3	16	0.42
(1,3954)	2:77:B:VAL:HG13	1:1914:C:VAL:HG11	10	0.42
(1,3954)	2:77:B:VAL:HG13	1:1914:C:VAL:HG12	10	0.42
(1,3954)	2:77:B:VAL:HG13	1:1914:C:VAL:HG13	10	0.42
(1,3954)	2:77:B:VAL:HG12	1:1914:C:VAL:HG11	11	0.42
(1,3954)	2:77:B:VAL:HG12	1:1914:C:VAL:HG12	11	0.42
(1,3954)	2:77:B:VAL:HG12	1:1914:C:VAL:HG13	11	0.42
(1,3900)	2:62:A:LEU:HD21	1:1907:C:ALA:HB1	12	0.42
(1,3900)	2:62:A:LEU:HD21	1:1907:C:ALA:HB2	12	0.42
(1,3900)	2:62:A:LEU:HD21	1:1907:C:ALA:HB3	12	0.42
(1,3900)	2:62:A:LEU:HD23	1:1907:C:ALA:HB1	18	0.42
(1,3900)	2:62:A:LEU:HD23	1:1907:C:ALA:HB2	18	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3900)	2:62:A:LEU:HD23	1:1907:C:ALA:HB3	18	0.42
(1,3750)	2:93:B:PHE:H	2:101:B:LYS:HG3	10	0.42
(1,3745)	2:93:B:PHE:H	2:94:B:PRO:HA	7	0.42
(1,2988)	2:61:A:ASN:H	2:62:A:LEU:HD23	8	0.42
(1,2889)	2:49:A:ARG:H	2:54:A:ALA:HB2	1	0.42
(1,2743)	2:27:A:PHE:H	2:27:A:PHE:HD1	8	0.42
(1,2743)	2:27:A:PHE:H	2:27:A:PHE:HD2	8	0.42
(1,2728)	2:21:B:GLY:H	2:26:B:LYS:HD2	10	0.42
(1,2610)	2:2:A:ALA:H	2:2:B:ALA:HB3	5	0.42
(1,2554)	2:5:A:LEU:HD23	2:9:A:LEU:HD12	11	0.42
(1,2517)	2:5:B:LEU:HD21	2:9:B:LEU:HD12	20	0.42
(1,2414)	2:9:B:LEU:HD21	2:82:A:ILE:HG22	17	0.42
(1,2377)	2:9:B:LEU:HD11	2:82:A:ILE:HG23	15	0.42
(1,2300)	2:12:A:MET:HE3	2:79:A:LEU:HD13	14	0.42
(1,2300)	2:12:A:MET:HE3	2:79:A:LEU:HD12	18	0.42
(1,2279)	2:12:B:MET:HE2	2:83:A:ALA:H	18	0.42
(1,2271)	2:12:B:MET:HE3	2:79:B:LEU:HA	13	0.42
(1,2236)	2:13:A:VAL:HG21	2:90:B:PHE:H	2	0.42
(1,2233)	2:13:A:VAL:HG23	2:87:B:ASN:H	10	0.42
(1,2216)	2:13:A:VAL:HG12	2:10:A:ASP:HA	15	0.42
(1,2215)	2:13:A:VAL:HG13	2:86:B:CYS:H	11	0.42
(1,2180)	2:15:B:THR:HG23	2:37:B:LEU:HD22	6	0.42
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD1	13	0.42
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD2	13	0.42
(1,1988)	2:31:A:LYS:HD2	2:55:A:PHE:HD1	8	0.42
(1,1940)	2:34:B:LEU:HD13	2:59:B:MET:H	11	0.42
(1,1752)	2:38:B:LEU:HD11	1:1928:C:PHE:HZ	11	0.42
(1,1752)	2:38:B:LEU:HD11	1:1928:C:PHE:HZ	13	0.42
(1,1752)	2:38:B:LEU:HD13	1:1928:C:PHE:HZ	17	0.42
(1,1709)	2:38:A:LEU:HD13	2:42:A:LEU:HD21	17	0.42
(1,1591)	2:42:B:LEU:HD11	2:6:A:GLU:HB2	13	0.42
(1,1591)	2:42:B:LEU:HD11	2:6:A:GLU:HB2	15	0.42
(1,1567)	2:42:A:LEU:HD13	2:78:A:PHE:HE1	17	0.42
(1,1567)	2:42:A:LEU:HD13	2:78:A:PHE:HE2	17	0.42
(1,1563)	2:42:A:LEU:HD12	2:34:A:LEU:HA	12	0.42
(1,1543)	2:42:A:LEU:HD13	2:82:A:ILE:HD12	8	0.42
(1,1408)	2:49:A:ARG:HD2	2:54:A:ALA:HB3	12	0.42
(1,1405)	2:49:A:ARG:HB2	2:54:A:ALA:HB1	9	0.42
(1,1405)	2:49:A:ARG:HB2	2:54:A:ALA:HB1	10	0.42
(1,1405)	2:49:A:ARG:HB2	2:54:A:ALA:HB3	15	0.42
(1,1347)	2:52:A:GLU:HG2	2:35:A:LYS:HD3	20	0.42
(1,1332)	2:53:B:ALA:HB3	2:56:B:GLN:H	6	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1332)	2:53:B:ALA:HB3	2:56:B:GLN:H	14	0.42
(1,1332)	2:53:B:ALA:HB3	2:56:B:GLN:H	18	0.42
(1,1317)	2:53:A:ALA:HB2	2:52:A:GLU:HG2	19	0.42
(1,1107)	2:59:B:MET:HE3	2:71:B:ASP:H	9	0.42
(1,1107)	2:59:B:MET:HE3	2:71:B:ASP:H	10	0.42
(1,1092)	2:59:B:MET:HE1	2:61:B:ASN:H	11	0.42
(1,1091)	2:59:B:MET:HE3	2:69:B:GLU:H	2	0.42
(1,1079)	2:59:B:MET:HE2	2:59:B:MET:HG3	17	0.42
(1,1074)	2:59:B:MET:HE3	2:70:B:VAL:HG12	13	0.42
(1,1052)	2:59:A:MET:HE3	2:62:A:LEU:H	17	0.42
(1,1051)	2:59:A:MET:HE3	2:68:A:ASN:H	14	0.42
(1,1044)	2:59:A:MET:HE3	2:59:A:MET:H	19	0.42
(1,1037)	2:59:A:MET:HE3	2:68:A:ASN:HA	17	0.42
(1,1034)	2:59:A:MET:HE2	2:68:A:ASN:HB3	17	0.42
(1,1030)	2:59:A:MET:HE1	2:70:A:VAL:HG12	4	0.42
(1,1030)	2:59:A:MET:HE1	2:70:A:VAL:HG13	17	0.42
(1,1001)	2:60:B:SER:HB2	2:63:B:ASP:HB2	14	0.42
(1,1000)	2:60:B:SER:HB2	2:59:B:MET:HE1	20	0.42
(1,961)	2:62:B:LEU:HD22	2:78:B:PHE:H	13	0.42
(1,781)	2:70:B:VAL:HG21	2:62:B:LEU:HD21	9	0.42
(1,753)	2:70:B:VAL:HG22	2:74:B:GLU:H	3	0.42
(1,753)	2:70:B:VAL:HG22	2:74:B:GLU:H	20	0.42
(1,590)	2:77:B:VAL:HG13	1:1913:C:GLU:H	16	0.42
(1,460)	2:79:A:LEU:HD23	2:76:A:CYS:HA	17	0.42
(1,387)	2:82:B:ILE:HD11	2:82:B:ILE:HA	13	0.42
(1,387)	2:82:B:ILE:HD11	2:82:B:ILE:HA	18	0.42
(1,377)	2:82:B:ILE:HD12	2:38:B:LEU:HD22	1	0.42
(1,243)	2:84:B:MET:HE2	2:85:B:MET:HB2	15	0.42
(1,243)	2:84:B:MET:HE2	2:85:B:MET:HB2	19	0.42
(1,207)	2:84:A:MET:HE1	2:81:A:CYS:HG	4	0.42
(1,176)	2:85:B:MET:HE1	1:1928:C:PHE:H	14	0.42
(1,169)	2:85:B:MET:HE1	1:1922:C:ARG:HD3	6	0.42
(1,6996)	2:72:B:PHE:HZ	2:13:B:VAL:HA	19	0.41
(1,6992)	2:27:A:PHE:HE2	2:26:A:LYS:HE2	2	0.41
(1,6968)	2:17:A:HIS:H	2:26:A:LYS:HE2	5	0.41
(1,6601)	2:5:A:LEU:HD21	2:12:B:MET:HE1	18	0.41
(1,6595)	2:5:B:LEU:HD23	2:78:A:PHE:HE2	7	0.41
(1,6595)	2:5:B:LEU:HD23	2:78:A:PHE:HE2	18	0.41
(1,6462)	2:12:A:MET:HE2	2:84:B:MET:H	16	0.41
(1,6460)	2:12:A:MET:HE2	2:9:A:LEU:H	13	0.41
(1,6455)	2:12:A:MET:HE3	2:76:A:CYS:HA	6	0.41
(1,6450)	2:12:A:MET:HE1	2:11:A:VAL:HG21	6	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6449)	2:12:A:MET:HE2	2:9:A:LEU:HD12	6	0.41
(1,6448)	2:12:A:MET:HE1	2:9:A:LEU:HD21	4	0.41
(1,6433)	2:12:B:MET:HG3	2:13:B:VAL:HG11	20	0.41
(1,6360)	2:21:A:GLY:HA2	2:26:A:LYS:HD3	9	0.41
(1,6355)	2:22:B:LYS:HD2	2:19:B:TYR:HE2	7	0.41
(1,6293)	2:26:A:LYS:HG2	2:27:A:PHE:HD2	19	0.41
(1,6183)	2:34:A:LEU:HD23	2:38:A:LEU:HG	9	0.41
(1,6161)	2:36:A:GLU:HG2	2:19:A:TYR:HE1	5	0.41
(1,6135)	2:37:A:LEU:HD11	2:41:A:GLU:HB2	14	0.41
(1,6107)	2:38:B:LEU:HD11	2:34:B:LEU:HD13	11	0.41
(1,6107)	2:38:B:LEU:HD11	2:34:B:LEU:HD13	13	0.41
(1,6105)	2:38:B:LEU:HD21	2:58:B:LEU:HD22	1	0.41
(1,6099)	2:38:B:LEU:HD23	2:39:B:THR:HA	12	0.41
(1,6087)	2:38:A:LEU:HD22	2:39:A:THR:HA	16	0.41
(1,6067)	2:40:B:ARG:HD3	2:19:B:TYR:HE2	7	0.41
(1,6063)	2:40:B:ARG:HD2	2:39:B:THR:HG22	2	0.41
(1,6063)	2:40:B:ARG:HD2	2:39:B:THR:HG21	4	0.41
(1,6051)	2:42:B:LEU:HD12	2:45:B:PHE:HB3	7	0.41
(1,6048)	2:42:B:LEU:HD21	2:79:B:LEU:HD22	4	0.41
(1,6048)	2:42:B:LEU:HD22	2:79:B:LEU:HD22	18	0.41
(1,6038)	2:42:A:LEU:HD11	2:6:B:GLU:HA	6	0.41
(1,6019)	2:46:A:LEU:HD22	2:55:A:PHE:HA	12	0.41
(1,6009)	2:49:B:ARG:HG3	2:35:B:LYS:HD2	15	0.41
(1,5994)	2:54:B:ALA:HB1	1:1926:C:LEU:HD13	10	0.41
(1,5974)	2:58:B:LEU:HD21	2:55:B:PHE:HB2	16	0.41
(1,5925)	2:62:B:LEU:HD13	2:58:B:LEU:HG	11	0.41
(1,5887)	2:64:A:SER:HB2	1:1911:C:ASN:HD21	2	0.41
(1,5831)	2:77:B:VAL:HG13	2:73:B:GLN:HE22	1	0.41
(1,5815)	2:79:B:LEU:HD21	2:9:A:LEU:HD23	5	0.41
(1,5815)	2:79:B:LEU:HD21	2:9:A:LEU:HD21	20	0.41
(1,5792)	2:82:B:ILE:HD12	1:1921:C:LEU:HD13	1	0.41
(1,5783)	2:82:A:ILE:HD12	2:79:A:LEU:H	10	0.41
(1,5775)	2:83:B:ALA:HB1	2:9:A:LEU:HD21	5	0.41
(1,5741)	2:85:A:MET:HE1	2:58:A:LEU:HD23	2	0.41
(1,5570)	1:1906:C:THR:HG21	1:1905:C:GLU:HG2	12	0.41
(1,5570)	1:1906:C:THR:HG22	1:1905:C:GLU:HG2	12	0.41
(1,5570)	1:1906:C:THR:HG23	1:1905:C:GLU:HG2	12	0.41
(1,5570)	1:1906:C:THR:HG21	1:1905:C:GLU:HG2	17	0.41
(1,5570)	1:1906:C:THR:HG22	1:1905:C:GLU:HG2	17	0.41
(1,5570)	1:1906:C:THR:HG23	1:1905:C:GLU:HG2	17	0.41
(1,5496)	1:1910:C:MET:HE2	2:77:B:VAL:HA	10	0.41
(1,5486)	1:1910:C:MET:HE1	2:77:B:VAL:HG12	7	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5486)	1:1910:C:MET:HE3	2:77:B:VAL:HG11	15	0.41
(1,5486)	1:1910:C:MET:HE2	2:77:B:VAL:HG12	20	0.41
(1,5391)	1:1914:C:VAL:HG11	2:77:B:VAL:HB	15	0.41
(1,5362)	1:1917:C:LEU:HD21	1:1918:C:LYS:HB2	20	0.41
(1,5362)	1:1917:C:LEU:HD22	1:1918:C:LYS:HB2	20	0.41
(1,5362)	1:1917:C:LEU:HD23	1:1918:C:LYS:HB2	20	0.41
(1,5163)	1:1930:C:VAL:HG11	2:85:B:MET:HE3	6	0.41
(1,5163)	1:1930:C:VAL:HG12	2:85:B:MET:HE3	6	0.41
(1,5163)	1:1930:C:VAL:HG13	2:85:B:MET:HE3	6	0.41
(1,5128)	1:1934:C:MET:HE3	2:13:A:VAL:HA	3	0.41
(1,5009)	1:1909:C:ALA:H	1:1905:C:GLU:HB3	7	0.41
(1,4982)	1:1911:C:ASN:HD22	1:1915:C:SER:HA	1	0.41
(1,4811)	1:1930:C:VAL:H	1:1929:C:VAL:HB	5	0.41
(1,4599)	1:1917:C:LEU:HD21	1:1914:C:VAL:HA	5	0.41
(1,4599)	1:1917:C:LEU:HD22	1:1914:C:VAL:HA	5	0.41
(1,4599)	1:1917:C:LEU:HD23	1:1914:C:VAL:HA	5	0.41
(1,4422)	2:58:B:LEU:HD11	1:1928:C:PHE:HZ	2	0.41
(1,4411)	2:46:B:LEU:HD11	1:1928:C:PHE:HD1	17	0.41
(1,4411)	2:46:B:LEU:HD11	1:1928:C:PHE:HD2	20	0.41
(1,4161)	2:54:A:ALA:HB2	1:1900:C:LEU:HG	20	0.41
(1,4120)	2:77:B:VAL:HG13	1:1917:C:LEU:H	16	0.41
(1,4092)	2:84:B:MET:HE3	1:1911:C:ASN:HA	11	0.41
(1,4086)	2:84:B:MET:HE2	1:1918:C:LYS:HD3	3	0.41
(1,4062)	2:85:B:MET:HE1	1:1922:C:ARG:HD2	20	0.41
(1,4018)	2:38:B:LEU:HD21	1:1927:C:PRO:HB2	16	0.41
(1,3979)	2:62:B:LEU:HD12	1:1920:C:LYS:HG3	3	0.41
(1,3979)	2:62:B:LEU:HD12	1:1920:C:LYS:HG3	15	0.41
(1,3954)	2:77:B:VAL:HG11	1:1914:C:VAL:HG11	13	0.41
(1,3954)	2:77:B:VAL:HG11	1:1914:C:VAL:HG12	13	0.41
(1,3954)	2:77:B:VAL:HG11	1:1914:C:VAL:HG13	13	0.41
(1,3931)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	6	0.41
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD11	7	0.41
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD12	7	0.41
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD13	7	0.41
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD11	7	0.41
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD12	7	0.41
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD13	7	0.41
(1,3791)	2:28:B:LYS:H	2:28:B:LYS:HE3	6	0.41
(1,2988)	2:61:A:ASN:H	2:62:A:LEU:HD21	2	0.41
(1,2517)	2:5:B:LEU:HD23	2:9:B:LEU:HD12	10	0.41
(1,2414)	2:9:B:LEU:HD22	2:82:A:ILE:HG22	6	0.41
(1,2414)	2:9:B:LEU:HD21	2:82:A:ILE:HG22	19	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2311)	2:12:A:MET:HE1	2:12:A:MET:HA	12	0.41
(1,2268)	2:12:B:MET:HE3	2:12:B:MET:HG2	10	0.41
(1,2039)	2:29:B:LEU:HD13	2:34:B:LEU:HA	12	0.41
(1,1988)	2:31:A:LYS:HD3	2:55:A:PHE:HD2	2	0.41
(1,1853)	2:35:A:LYS:HE3	2:35:A:LYS:H	1	0.41
(1,1752)	2:38:B:LEU:HD12	1:1928:C:PHE:HZ	18	0.41
(1,1707)	2:38:A:LEU:HD22	2:35:A:LYS:HA	8	0.41
(1,1671)	2:39:B:THR:HG22	2:40:B:ARG:HD2	2	0.41
(1,1671)	2:39:B:THR:HG21	2:40:B:ARG:HD2	4	0.41
(1,1652)	2:39:A:THR:HB	2:36:A:GLU:HB3	11	0.41
(1,1566)	2:42:A:LEU:HD12	2:75:A:TYR:HE1	19	0.41
(1,1566)	2:42:A:LEU:HD12	2:75:A:TYR:HE2	19	0.41
(1,1544)	2:42:A:LEU:HD13	2:82:A:ILE:HG22	5	0.41
(1,1461)	2:46:A:LEU:HD21	2:39:A:THR:H	14	0.41
(1,1347)	2:52:A:GLU:HG2	2:35:A:LYS:HD3	14	0.41
(1,1332)	2:53:B:ALA:HB2	2:56:B:GLN:H	7	0.41
(1,1155)	2:58:A:LEU:HD23	2:85:A:MET:HE1	2	0.41
(1,1125)	2:58:A:LEU:HD11	2:61:A:ASN:HD22	14	0.41
(1,1125)	2:58:A:LEU:HD13	2:61:A:ASN:HD22	16	0.41
(1,1091)	2:59:B:MET:HE3	2:69:B:GLU:H	12	0.41
(1,1082)	2:59:B:MET:HE2	2:68:B:ASN:HB3	4	0.41
(1,1079)	2:59:B:MET:HE2	2:59:B:MET:HG3	2	0.41
(1,1079)	2:59:B:MET:HE2	2:59:B:MET:HG3	5	0.41
(1,1079)	2:59:B:MET:HE2	2:59:B:MET:HG3	12	0.41
(1,1079)	2:59:B:MET:HE2	2:59:B:MET:HG3	14	0.41
(1,1051)	2:59:A:MET:HE3	2:68:A:ASN:H	13	0.41
(1,1049)	2:59:A:MET:HE3	2:71:A:ASP:H	20	0.41
(1,1043)	2:59:A:MET:HE1	2:60:A:SER:H	5	0.41
(1,1001)	2:60:B:SER:HB2	2:63:B:ASP:HB2	1	0.41
(1,961)	2:62:B:LEU:HD22	2:78:B:PHE:H	18	0.41
(1,781)	2:70:B:VAL:HG21	2:62:B:LEU:HD21	20	0.41
(1,753)	2:70:B:VAL:HG22	2:74:B:GLU:H	9	0.41
(1,717)	2:70:B:VAL:HG11	2:78:B:PHE:HE1	6	0.41
(1,717)	2:70:B:VAL:HG11	2:78:B:PHE:HE2	6	0.41
(1,584)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	6	0.41
(1,472)	2:79:A:LEU:HD21	2:75:A:TYR:HE1	6	0.41
(1,472)	2:79:A:LEU:HD21	2:75:A:TYR:HE2	6	0.41
(1,383)	2:82:B:ILE:HD12	2:85:B:MET:HE3	10	0.41
(1,243)	2:84:B:MET:HE2	2:85:B:MET:HB2	11	0.41
(1,207)	2:84:A:MET:HE1	2:81:A:CYS:HG	2	0.41
(1,176)	2:85:B:MET:HE1	1:1928:C:PHE:H	18	0.41
(1,6996)	2:72:B:PHE:HZ	2:13:B:VAL:HA	18	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6968)	2:17:A:HIS:H	2:26:A:LYS:HE2	14	0.4
(1,6713)	2:23:A:GLU:H	2:23:A:GLU:HG3	10	0.4
(1,6656)	2:100:B:LYS:H	2:100:B:LYS:HA	1	0.4
(1,6656)	2:100:B:LYS:H	2:100:B:LYS:HA	4	0.4
(1,6612)	2:3:A:CYS:HB3	2:43:B:PRO:HD3	18	0.4
(1,6612)	2:3:A:CYS:HB3	2:43:B:PRO:HD3	19	0.4
(1,6595)	2:5:B:LEU:HD22	2:78:A:PHE:HE2	4	0.4
(1,6573)	2:6:B:GLU:HA	2:43:A:PRO:HD3	14	0.4
(1,6557)	2:8:A:ALA:HB3	2:6:A:GLU:H	3	0.4
(1,6557)	2:8:A:ALA:HB3	2:6:A:GLU:H	4	0.4
(1,6461)	2:12:A:MET:HE3	2:76:A:CYS:H	12	0.4
(1,6459)	2:12:A:MET:HE3	2:72:A:PHE:HE1	9	0.4
(1,6449)	2:12:A:MET:HE1	2:9:A:LEU:HD11	5	0.4
(1,6449)	2:12:A:MET:HE2	2:9:A:LEU:HD12	20	0.4
(1,6428)	2:13:A:VAL:HG21	2:72:A:PHE:HZ	11	0.4
(1,6428)	2:13:B:VAL:HG22	2:72:B:PHE:HZ	18	0.4
(1,6270)	2:27:A:PHE:HA	2:75:A:TYR:HD2	1	0.4
(1,6250)	2:28:B:LYS:HB3	2:29:B:LEU:HB2	8	0.4
(1,6243)	2:29:B:LEU:HD12	2:34:B:LEU:HD22	9	0.4
(1,6243)	2:29:B:LEU:HD11	2:34:B:LEU:HD22	20	0.4
(1,6206)	2:32:A:SER:HB3	2:33:A:GLU:HG2	16	0.4
(1,6183)	2:34:A:LEU:HD23	2:38:A:LEU:HG	19	0.4
(1,6161)	2:36:A:GLU:HG2	2:19:A:TYR:HE1	11	0.4
(1,6158)	2:88:B:GLU:HG3	2:87:B:ASN:HA	18	0.4
(1,6147)	2:37:A:LEU:HD23	2:15:A:THR:HG23	14	0.4
(1,6138)	2:37:A:LEU:HD12	2:34:A:LEU:HD21	16	0.4
(1,6093)	2:38:A:LEU:HD21	2:58:A:LEU:HG	12	0.4
(1,6092)	2:38:A:LEU:HD23	2:42:A:LEU:HG	15	0.4
(1,6063)	2:40:B:ARG:HD2	2:39:B:THR:HG23	7	0.4
(1,6047)	2:42:B:LEU:HD13	2:79:B:LEU:HD22	15	0.4
(1,5981)	2:56:B:GLN:HG3	2:57:B:LYS:HD3	5	0.4
(1,5971)	2:58:B:LEU:HD11	1:1921:C:LEU:HB2	13	0.4
(1,5959)	2:59:B:MET:HE1	2:60:B:SER:HB2	13	0.4
(1,5929)	2:62:B:LEU:HD12	1:1918:C:LYS:HA	2	0.4
(1,5815)	2:79:B:LEU:HD21	2:9:A:LEU:HD21	16	0.4
(1,5774)	2:83:B:ALA:HB3	2:79:A:LEU:HD11	15	0.4
(1,5743)	2:85:B:MET:HE2	1:1918:C:LYS:HE3	5	0.4
(1,5743)	2:85:B:MET:HE2	1:1918:C:LYS:HE2	20	0.4
(1,5741)	2:85:A:MET:HE1	2:58:A:LEU:HD22	3	0.4
(1,5639)	1:1901:C:GLU:HB2	1:1905:C:GLU:HB2	17	0.4
(1,5630)	1:1903:C:ALA:HB1	2:9:B:LEU:HD11	17	0.4
(1,5630)	1:1903:C:ALA:HB2	2:9:B:LEU:HD11	17	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5630)	1:1903:C:ALA:HB3	2:9:B:LEU:HD11	17	0.4
(1,5525)	1:1909:C:ALA:HB1	1:1912:C:ARG:HB3	1	0.4
(1,5525)	1:1909:C:ALA:HB2	1:1912:C:ARG:HB3	1	0.4
(1,5525)	1:1909:C:ALA:HB3	1:1912:C:ARG:HB3	1	0.4
(1,5391)	1:1914:C:VAL:HG12	1:1913:C:GLU:HB2	2	0.4
(1,5344)	1:1917:C:LEU:HD22	2:62:B:LEU:HA	13	0.4
(1,5163)	1:1930:C:VAL:HG11	2:85:B:MET:HE3	15	0.4
(1,5163)	1:1930:C:VAL:HG12	2:85:B:MET:HE3	15	0.4
(1,5163)	1:1930:C:VAL:HG13	2:85:B:MET:HE3	15	0.4
(1,5128)	1:1934:C:MET:HE1	2:13:A:VAL:HA	14	0.4
(1,5081)	1:1899:C:GLU:H	2:45:A:PHE:HB3	17	0.4
(1,4994)	1:1910:C:MET:H	2:73:B:GLN:HB3	14	0.4
(1,4899)	1:1919:C:ASN:H	1:1922:C:ARG:HB3	18	0.4
(1,4594)	2:83:B:ALA:H	1:1918:C:LYS:HB3	8	0.4
(1,4422)	1:1921:C:LEU:HD23	1:1928:C:PHE:HZ	11	0.4
(1,4155)	2:58:A:LEU:HD11	1:1903:C:ALA:H	10	0.4
(1,4150)	2:61:B:ASN:HA	1:1926:C:LEU:HG	4	0.4
(1,4120)	2:77:B:VAL:HG11	1:1917:C:LEU:H	14	0.4
(1,4092)	2:84:B:MET:HE3	1:1911:C:ASN:HA	2	0.4
(1,4034)	2:82:B:ILE:HD12	1:1926:C:LEU:HD11	7	0.4
(1,4034)	2:82:B:ILE:HD12	1:1926:C:LEU:HD12	7	0.4
(1,4034)	2:82:B:ILE:HD12	1:1926:C:LEU:HD13	7	0.4
(1,4019)	2:38:B:LEU:HD13	1:1928:C:PHE:HD2	4	0.4
(1,3991)	2:58:B:LEU:HD12	1:1917:C:LEU:HD21	8	0.4
(1,3991)	2:58:B:LEU:HD12	1:1917:C:LEU:HD22	8	0.4
(1,3991)	2:58:B:LEU:HD12	1:1917:C:LEU:HD23	8	0.4
(1,3985)	2:62:B:LEU:HD23	1:1917:C:LEU:HA	20	0.4
(1,3948)	2:77:A:VAL:HG13	1:1910:C:MET:HA	4	0.4
(1,3948)	2:77:A:VAL:HG12	1:1910:C:MET:HA	6	0.4
(1,3948)	2:77:A:VAL:HG13	1:1910:C:MET:HA	15	0.4
(1,3931)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	10	0.4
(1,3874)	2:45:A:PHE:HD1	2:85:A:MET:HE1	20	0.4
(1,3874)	2:45:A:PHE:HD2	2:85:A:MET:HE1	20	0.4
(1,3445)	2:46:B:LEU:H	1:1929:C:VAL:HG21	5	0.4
(1,3445)	2:46:B:LEU:H	1:1929:C:VAL:HG22	5	0.4
(1,3445)	2:46:B:LEU:H	1:1929:C:VAL:HG23	5	0.4
(1,2756)	2:28:A:LYS:H	2:28:A:LYS:HD3	8	0.4
(1,2743)	2:27:A:PHE:H	2:27:A:PHE:HD1	16	0.4
(1,2743)	2:27:A:PHE:H	2:27:A:PHE:HD2	16	0.4
(1,2728)	2:21:B:GLY:H	2:26:B:LYS:HD2	4	0.4
(1,2728)	2:21:B:GLY:H	2:26:B:LYS:HD3	7	0.4
(1,2554)	2:5:A:LEU:HD23	2:9:A:LEU:HD12	3	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2554)	2:5:A:LEU:HD23	2:9:A:LEU:HD12	4	0.4
(1,2517)	2:5:B:LEU:HD23	2:9:B:LEU:HD12	19	0.4
(1,2311)	2:12:A:MET:HE3	2:12:A:MET:HA	8	0.4
(1,2300)	2:12:A:MET:HE3	2:79:A:LEU:HD11	9	0.4
(1,2271)	2:12:B:MET:HE3	2:79:B:LEU:HA	15	0.4
(1,2216)	2:13:A:VAL:HG12	2:10:A:ASP:HA	8	0.4
(1,2182)	2:15:B:THR:HG21	2:41:B:GLU:HG2	16	0.4
(1,1948)	2:34:B:LEU:HD23	1:1928:C:PHE:HZ	19	0.4
(1,1937)	2:34:B:LEU:HD13	2:62:B:LEU:HD22	10	0.4
(1,1821)	2:36:B:GLU:HG3	2:40:B:ARG:HD3	5	0.4
(1,1790)	2:36:A:GLU:HB3	2:39:A:THR:HG22	5	0.4
(1,1778)	2:37:B:LEU:HD21	2:75:B:TYR:HE1	20	0.4
(1,1778)	2:37:B:LEU:HD21	2:75:B:TYR:HE2	20	0.4
(1,1775)	2:37:B:LEU:HD11	2:29:B:LEU:HD12	5	0.4
(1,1774)	2:37:B:LEU:HD11	2:16:B:PHE:HA	2	0.4
(1,1771)	2:37:A:LEU:HD11	2:16:A:PHE:HA	2	0.4
(1,1752)	2:38:B:LEU:HD11	1:1928:C:PHE:HZ	1	0.4
(1,1691)	2:38:A:LEU:HD22	2:39:A:THR:H	20	0.4
(1,1671)	2:39:B:THR:HG23	2:40:B:ARG:HD2	7	0.4
(1,1591)	2:42:B:LEU:HD11	2:6:A:GLU:HB2	16	0.4
(1,1554)	2:42:A:LEU:HD11	2:41:A:GLU:HB2	14	0.4
(1,1465)	2:46:A:LEU:HD21	2:55:A:PHE:HE2	8	0.4
(1,1461)	2:46:A:LEU:HD21	2:39:A:THR:H	17	0.4
(1,1405)	2:49:A:ARG:HB2	2:54:A:ALA:HB3	20	0.4
(1,1362)	2:52:B:GLU:HG2	2:53:B:ALA:HB1	8	0.4
(1,1346)	2:52:A:GLU:HG2	2:53:A:ALA:HB3	5	0.4
(1,1332)	2:53:B:ALA:HB2	2:56:B:GLN:H	1	0.4
(1,1329)	2:53:B:ALA:HB1	2:57:B:LYS:HE3	16	0.4
(1,1311)	2:54:B:ALA:HB2	2:50:B:THR:HG22	20	0.4
(1,1155)	2:58:A:LEU:HD22	2:85:A:MET:HE1	3	0.4
(1,1098)	2:59:B:MET:HE1	2:62:B:LEU:H	20	0.4
(1,1079)	2:59:B:MET:HE2	2:59:B:MET:HG3	8	0.4
(1,1079)	2:59:B:MET:HE2	2:59:B:MET:HG3	19	0.4
(1,1046)	2:59:A:MET:HE2	2:67:A:ASP:H	15	0.4
(1,1034)	2:59:A:MET:HE1	2:68:A:ASN:HB3	9	0.4
(1,1000)	2:60:B:SER:HB2	2:59:B:MET:HE1	13	0.4
(1,900)	2:62:A:LEU:HD11	2:61:A:ASN:HB3	8	0.4
(1,753)	2:70:B:VAL:HG22	2:74:B:GLU:H	10	0.4
(1,753)	2:70:B:VAL:HG22	2:74:B:GLU:H	18	0.4
(1,717)	2:70:B:VAL:HG12	2:78:B:PHE:HE1	3	0.4
(1,717)	2:70:B:VAL:HG12	2:78:B:PHE:HE2	3	0.4
(1,602)	2:77:B:VAL:HG13	2:77:B:VAL:HA	7	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,602)	2:77:B:VAL:HG12	2:77:B:VAL:HA	16	0.4
(1,602)	2:77:B:VAL:HG12	2:77:B:VAL:HA	19	0.4
(1,584)	2:77:A:VAL:HG22	1:1910:C:MET:HB2	10	0.4
(1,583)	2:77:A:VAL:HG22	1:1910:C:MET:HG2	8	0.4
(1,472)	2:79:A:LEU:HD21	2:75:A:TYR:HE1	12	0.4
(1,472)	2:79:A:LEU:HD21	2:75:A:TYR:HE2	12	0.4
(1,355)	2:82:B:ILE:HG22	2:78:B:PHE:HD1	8	0.4
(1,355)	2:82:B:ILE:HG22	2:78:B:PHE:HD2	8	0.4
(1,243)	2:84:B:MET:HE2	2:85:B:MET:HB2	9	0.4
(1,178)	2:85:B:MET:HE1	1:1928:C:PHE:HZ	16	0.4
(1,176)	2:85:B:MET:HE1	1:1928:C:PHE:H	3	0.4
(1,176)	2:85:B:MET:HE1	1:1928:C:PHE:H	13	0.4
(1,169)	2:85:B:MET:HE1	1:1922:C:ARG:HD3	13	0.4
(1,142)	2:85:A:MET:HE2	2:85:A:MET:HG3	11	0.4
(1,132)	2:85:A:MET:HE3	2:83:A:ALA:H	19	0.4
(1,6996)	2:72:B:PHE:HZ	2:13:B:VAL:HA	5	0.39
(1,6996)	2:72:A:PHE:HZ	2:13:A:VAL:HA	12	0.39
(1,6847)	2:83:A:ALA:H	2:45:A:PHE:HE1	14	0.39
(1,6713)	2:23:A:GLU:H	2:23:A:GLU:HG3	1	0.39
(1,6656)	2:100:B:LYS:H	2:100:B:LYS:HA	14	0.39
(1,6612)	2:3:A:CYS:HB3	2:43:B:PRO:HD3	15	0.39
(1,6595)	2:5:B:LEU:HD23	2:78:A:PHE:HE2	13	0.39
(1,6592)	2:5:B:LEU:HD22	2:79:A:LEU:HG	3	0.39
(1,6557)	2:8:A:ALA:HB1	2:6:A:GLU:H	13	0.39
(1,6556)	2:8:A:ALA:HB3	2:11:B:VAL:HA	12	0.39
(1,6537)	2:8:A:ALA:HB3	2:12:B:MET:HG3	11	0.39
(1,6513)	2:9:B:LEU:HD23	2:6:B:GLU:HA	17	0.39
(1,6462)	2:12:A:MET:HE2	2:84:B:MET:H	7	0.39
(1,6458)	2:12:A:MET:HE3	2:75:A:TYR:HD1	20	0.39
(1,6455)	2:12:A:MET:HE3	2:76:A:CYS:HA	13	0.39
(1,6455)	2:12:A:MET:HE3	2:76:A:CYS:HA	20	0.39
(1,6433)	2:12:B:MET:HG3	2:13:B:VAL:HG11	2	0.39
(1,6331)	2:23:A:GLU:HG2	2:30:A:ASN:HD21	18	0.39
(1,6302)	2:26:A:LYS:HD3	2:25:A:ASP:HA	14	0.39
(1,6243)	2:29:B:LEU:HD13	2:34:B:LEU:HD22	12	0.39
(1,6243)	2:29:B:LEU:HD13	2:34:B:LEU:HD22	13	0.39
(1,6243)	2:29:B:LEU:HD11	2:34:B:LEU:HD21	14	0.39
(1,6183)	2:34:A:LEU:HD23	2:38:A:LEU:HG	18	0.39
(1,6157)	2:36:B:GLU:HG2	2:40:B:ARG:HD3	11	0.39
(1,6138)	2:37:A:LEU:HD11	2:29:A:LEU:HD12	5	0.39
(1,6135)	2:37:A:LEU:HD13	2:41:A:GLU:HB2	5	0.39
(1,6087)	2:38:A:LEU:HD23	2:39:A:THR:HA	12	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6071)	2:39:B:THR:HG23	2:38:B:LEU:HB3	2	0.39
(1,6071)	2:39:B:THR:HG22	2:38:B:LEU:HB3	3	0.39
(1,6048)	2:42:B:LEU:HD22	2:79:B:LEU:HD22	12	0.39
(1,6047)	2:42:B:LEU:HD13	2:79:B:LEU:HD22	17	0.39
(1,6038)	2:42:A:LEU:HD11	2:6:B:GLU:HA	10	0.39
(1,6009)	2:49:B:ARG:HG3	2:35:B:LYS:HD2	2	0.39
(1,5974)	2:58:B:LEU:HD23	1:1928:C:PHE:HB2	11	0.39
(1,5971)	2:58:B:LEU:HD11	1:1921:C:LEU:HB2	10	0.39
(1,5945)	2:59:A:MET:HE3	2:63:A:ASP:HB2	11	0.39
(1,5929)	2:62:B:LEU:HD12	1:1918:C:LYS:HA	13	0.39
(1,5925)	2:62:B:LEU:HD13	2:58:B:LEU:HG	6	0.39
(1,5831)	2:77:B:VAL:HG11	2:73:B:GLN:HE22	6	0.39
(1,5788)	2:82:B:ILE:HG21	2:9:A:LEU:HD23	16	0.39
(1,5761)	2:83:A:ALA:HB2	2:80:A:SER:H	20	0.39
(1,5639)	1:1901:C:GLU:HB2	1:1905:C:GLU:HB2	16	0.39
(1,5496)	1:1910:C:MET:HE1	2:80:A:SER:HB3	6	0.39
(1,5486)	1:1910:C:MET:HE3	2:77:B:VAL:HG11	16	0.39
(1,5482)	1:1910:C:MET:HG3	2:73:B:GLN:HB3	14	0.39
(1,5099)	1:1935:C:ALA:HB1	1:1933:C:ARG:HB3	6	0.39
(1,5099)	1:1935:C:ALA:HB2	1:1933:C:ARG:HB3	6	0.39
(1,5099)	1:1935:C:ALA:HB3	1:1933:C:ARG:HB3	6	0.39
(1,5081)	1:1899:C:GLU:H	2:45:A:PHE:HB3	5	0.39
(1,4982)	1:1911:C:ASN:HD22	1:1915:C:SER:HA	20	0.39
(1,4882)	1:1920:C:LYS:H	1:1918:C:LYS:HB3	9	0.39
(1,4879)	1:1920:C:LYS:H	1:1926:C:LEU:HG	13	0.39
(1,4718)	1:1898:C:ARG:H	1:1898:C:ARG:HB3	20	0.39
(1,4594)	1:1914:C:VAL:H	1:1918:C:LYS:HB3	6	0.39
(1,4422)	2:58:B:LEU:HD11	1:1928:C:PHE:HZ	1	0.39
(1,4422)	1:1921:C:LEU:HD23	1:1928:C:PHE:HZ	16	0.39
(1,4412)	2:38:B:LEU:HD21	1:1928:C:PHE:HD2	17	0.39
(1,4161)	2:54:A:ALA:HB2	1:1900:C:LEU:HG	11	0.39
(1,4155)	2:58:A:LEU:HD11	1:1903:C:ALA:H	16	0.39
(1,4150)	2:61:B:ASN:HA	1:1926:C:LEU:HG	11	0.39
(1,4091)	2:84:B:MET:HE3	1:1915:C:SER:HB2	6	0.39
(1,4078)	2:84:A:MET:HE3	1:1910:C:MET:HB3	18	0.39
(1,4065)	2:85:B:MET:HE3	1:1930:C:VAL:HA	1	0.39
(1,4049)	2:85:A:MET:HE2	1:1899:C:GLU:H	17	0.39
(1,4027)	2:82:B:ILE:HG21	1:1929:C:VAL:HG11	14	0.39
(1,4027)	2:82:B:ILE:HG21	1:1929:C:VAL:HG12	14	0.39
(1,4027)	2:82:B:ILE:HG21	1:1929:C:VAL:HG13	14	0.39
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD11	16	0.39
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD12	16	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD13	16	0.39
(1,3991)	2:58:B:LEU:HD12	1:1917:C:LEU:HD21	9	0.39
(1,3991)	2:58:B:LEU:HD12	1:1917:C:LEU:HD22	9	0.39
(1,3991)	2:58:B:LEU:HD12	1:1917:C:LEU:HD23	9	0.39
(1,3954)	2:77:B:VAL:HG12	1:1914:C:VAL:HG11	5	0.39
(1,3954)	2:77:B:VAL:HG12	1:1914:C:VAL:HG12	5	0.39
(1,3954)	2:77:B:VAL:HG12	1:1914:C:VAL:HG13	5	0.39
(1,3923)	2:58:A:LEU:HD23	1:1903:C:ALA:HB1	20	0.39
(1,3923)	2:58:A:LEU:HD23	1:1903:C:ALA:HB2	20	0.39
(1,3923)	2:58:A:LEU:HD23	1:1903:C:ALA:HB3	20	0.39
(1,3874)	2:45:A:PHE:HD1	2:85:A:MET:HE1	13	0.39
(1,3874)	2:45:A:PHE:HD2	2:85:A:MET:HE1	13	0.39
(1,2884)	2:49:A:ARG:H	1:1897:C:GLN:HE22	13	0.39
(1,2728)	2:21:B:GLY:H	2:26:B:LYS:HD2	6	0.39
(1,2610)	2:2:A:ALA:H	2:2:B:ALA:HB3	20	0.39
(1,2554)	2:5:A:LEU:HD21	2:9:A:LEU:HD12	6	0.39
(1,2554)	2:5:A:LEU:HD23	2:9:A:LEU:HD12	17	0.39
(1,2426)	2:9:A:LEU:HD12	2:45:B:PHE:HZ	20	0.39
(1,2414)	2:9:B:LEU:HD23	2:82:A:ILE:HG22	2	0.39
(1,2414)	2:9:B:LEU:HD23	2:82:A:ILE:HG22	15	0.39
(1,2313)	2:12:A:MET:HE3	2:9:B:LEU:H	5	0.39
(1,2311)	2:12:A:MET:HE1	2:12:A:MET:HA	14	0.39
(1,2279)	2:12:B:MET:HE2	2:83:A:ALA:H	3	0.39
(1,2268)	2:12:B:MET:HE3	2:12:B:MET:HG2	4	0.39
(1,2268)	2:12:B:MET:HE3	2:12:B:MET:HG2	19	0.39
(1,2237)	2:13:B:VAL:HG23	2:90:A:PHE:H	17	0.39
(1,2216)	2:13:A:VAL:HG12	2:10:A:ASP:HA	14	0.39
(1,2182)	2:15:B:THR:HG21	2:41:B:GLU:HG2	4	0.39
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD1	8	0.39
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD2	8	0.39
(1,2031)	2:29:A:LEU:HD12	2:37:A:LEU:HD11	5	0.39
(1,1954)	2:34:B:LEU:HD23	2:38:B:LEU:HG	20	0.39
(1,1940)	2:34:B:LEU:HD13	2:59:B:MET:H	1	0.39
(1,1853)	2:35:A:LYS:HE3	2:35:A:LYS:H	16	0.39
(1,1821)	2:36:B:GLU:HG3	2:40:B:ARG:HD3	13	0.39
(1,1790)	2:36:A:GLU:HB2	2:39:A:THR:HG22	17	0.39
(1,1764)	2:38:B:LEU:HD22	2:62:B:LEU:HD21	11	0.39
(1,1752)	2:38:B:LEU:HD12	1:1928:C:PHE:HZ	3	0.39
(1,1752)	2:38:B:LEU:HD13	1:1928:C:PHE:HZ	6	0.39
(1,1709)	2:38:A:LEU:HD12	2:42:A:LEU:HD23	5	0.39
(1,1691)	2:38:A:LEU:HD22	2:39:A:THR:H	8	0.39
(1,1661)	2:39:A:THR:HG23	2:55:A:PHE:HE1	2	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1461)	2:46:A:LEU:HD21	2:39:A:THR:H	3	0.39
(1,1461)	2:46:A:LEU:HD21	2:39:A:THR:H	5	0.39
(1,1461)	2:46:A:LEU:HD23	2:39:A:THR:H	11	0.39
(1,1420)	2:49:B:ARG:HD2	2:46:B:LEU:HB2	8	0.39
(1,1409)	2:49:A:ARG:HD3	2:54:A:ALA:HB1	16	0.39
(1,1405)	2:49:A:ARG:HB2	2:54:A:ALA:HB2	7	0.39
(1,1362)	2:52:B:GLU:HG3	2:53:B:ALA:HB1	2	0.39
(1,1346)	2:52:A:GLU:HG2	2:53:A:ALA:HB1	8	0.39
(1,1345)	2:52:A:GLU:HG2	2:55:A:PHE:HB3	7	0.39
(1,1107)	2:59:B:MET:HE1	2:71:B:ASP:H	19	0.39
(1,1085)	2:59:B:MET:HE2	2:31:B:LYS:HA	1	0.39
(1,1051)	2:59:A:MET:HE3	2:68:A:ASN:H	7	0.39
(1,1044)	2:59:A:MET:HE3	2:59:A:MET:H	3	0.39
(1,1034)	2:59:A:MET:HE1	2:68:A:ASN:HB3	15	0.39
(1,1030)	2:59:A:MET:HE2	2:70:A:VAL:HG11	16	0.39
(1,904)	2:62:A:LEU:HD11	2:58:A:LEU:HA	8	0.39
(1,900)	2:62:A:LEU:HD13	2:61:A:ASN:HB3	9	0.39
(1,744)	2:70:A:VAL:HG22	2:75:A:TYR:H	5	0.39
(1,742)	2:70:A:VAL:HG23	2:58:A:LEU:HG	16	0.39
(1,731)	2:70:A:VAL:HG12	2:74:A:GLU:HG2	17	0.39
(1,602)	2:77:B:VAL:HG11	2:77:B:VAL:HA	5	0.39
(1,602)	2:77:B:VAL:HG12	2:77:B:VAL:HA	6	0.39
(1,602)	2:77:B:VAL:HG13	2:77:B:VAL:HA	20	0.39
(1,558)	2:77:A:VAL:HG22	1:1910:C:MET:H	10	0.39
(1,472)	2:79:A:LEU:HD21	2:75:A:TYR:HE1	5	0.39
(1,472)	2:79:A:LEU:HD21	2:75:A:TYR:HE2	5	0.39
(1,248)	2:84:B:MET:HE1	2:80:B:SER:HB3	2	0.39
(1,214)	2:84:A:MET:HE2	2:72:B:PHE:HE1	8	0.39
(1,214)	2:84:A:MET:HE2	2:72:B:PHE:HE2	8	0.39
(1,207)	2:84:A:MET:HE1	2:81:A:CYS:HG	16	0.39
(1,178)	2:85:B:MET:HE1	1:1928:C:PHE:HZ	19	0.39
(1,174)	2:85:B:MET:HE2	2:85:B:MET:HA	1	0.39
(1,169)	2:85:B:MET:HE1	1:1922:C:ARG:HD3	14	0.39
(1,142)	2:85:A:MET:HE2	2:85:A:MET:HG3	7	0.39
(1,140)	2:85:A:MET:HE1	1:1900:C:LEU:HD21	6	0.39
(1,140)	2:85:A:MET:HE1	1:1900:C:LEU:HD22	6	0.39
(1,140)	2:85:A:MET:HE1	1:1900:C:LEU:HD23	6	0.39
(1,132)	2:85:A:MET:HE3	2:83:A:ALA:H	4	0.39
(1,126)	2:85:A:MET:HE2	1:1898:C:ARG:H	6	0.39
(1,7005)	2:72:A:PHE:HE1	2:13:A:VAL:HG21	14	0.38
(1,6996)	2:72:B:PHE:HZ	2:13:B:VAL:HA	4	0.38
(1,6996)	2:72:A:PHE:HZ	2:13:A:VAL:HA	13	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6996)	2:72:A:PHE:HZ	2:13:A:VAL:HA	20	0.38
(1,6993)	2:72:B:PHE:HZ	2:83:A:ALA:HB2	10	0.38
(1,6595)	2:5:B:LEU:HD23	2:78:A:PHE:HE2	16	0.38
(1,6592)	2:5:B:LEU:HD23	2:79:A:LEU:HG	1	0.38
(1,6592)	2:5:B:LEU:HD23	2:79:A:LEU:HG	6	0.38
(1,6574)	2:6:A:GLU:HA	2:41:B:GLU:HB2	17	0.38
(1,6574)	2:6:B:GLU:HA	2:41:A:GLU:HB2	18	0.38
(1,6509)	2:9:B:LEU:HD12	2:6:B:GLU:HA	2	0.38
(1,6509)	2:9:B:LEU:HD12	2:6:B:GLU:HA	6	0.38
(1,6460)	2:12:A:MET:HE2	2:9:A:LEU:H	16	0.38
(1,6449)	2:12:A:MET:HE1	2:9:A:LEU:HD12	19	0.38
(1,6442)	2:12:B:MET:HE3	2:75:B:TYR:HD1	8	0.38
(1,6428)	2:13:B:VAL:HG23	2:72:B:PHE:HZ	16	0.38
(1,6424)	2:13:B:VAL:HG23	2:87:A:ASN:HA	10	0.38
(1,6399)	2:15:A:THR:HG23	2:41:A:GLU:HA	5	0.38
(1,6399)	2:15:A:THR:HG23	2:41:A:GLU:HA	19	0.38
(1,6333)	2:23:A:GLU:HG2	2:22:A:LYS:H	17	0.38
(1,6300)	2:26:A:LYS:HD3	2:27:A:PHE:HD2	17	0.38
(1,6243)	2:29:B:LEU:HD13	2:34:B:LEU:HD21	3	0.38
(1,6197)	2:33:A:GLU:HA	2:36:A:GLU:HB3	8	0.38
(1,6183)	2:34:A:LEU:HD23	2:38:A:LEU:HG	6	0.38
(1,6183)	2:34:A:LEU:HD23	2:38:A:LEU:HG	12	0.38
(1,6161)	2:36:A:GLU:HG2	2:19:A:TYR:HE1	17	0.38
(1,6063)	2:40:B:ARG:HD2	2:39:B:THR:HG21	13	0.38
(1,6038)	2:42:A:LEU:HD11	2:6:B:GLU:HA	2	0.38
(1,6020)	2:46:A:LEU:HD23	1:1900:C:LEU:HG	10	0.38
(1,6009)	2:49:B:ARG:HG3	2:54:B:ALA:HB2	7	0.38
(1,6009)	2:49:B:ARG:HG3	2:35:B:LYS:HD2	9	0.38
(1,5994)	2:54:B:ALA:HB3	1:1926:C:LEU:HD11	8	0.38
(1,5925)	2:62:B:LEU:HD13	2:58:B:LEU:HG	17	0.38
(1,5815)	2:79:B:LEU:HD21	2:9:A:LEU:HD23	13	0.38
(1,5788)	2:82:B:ILE:HG23	2:42:B:LEU:HD21	1	0.38
(1,5783)	2:82:A:ILE:HD12	2:79:A:LEU:H	9	0.38
(1,5756)	2:84:B:MET:HE1	2:73:A:GLN:HA	12	0.38
(1,5745)	2:85:B:MET:HE3	2:45:B:PHE:HB2	6	0.38
(1,5741)	2:85:A:MET:HE1	2:58:A:LEU:HD23	4	0.38
(1,5657)	1:1900:C:LEU:HD13	2:46:A:LEU:HA	10	0.38
(1,5630)	1:1903:C:ALA:HB1	2:9:B:LEU:HD11	20	0.38
(1,5630)	1:1903:C:ALA:HB2	2:9:B:LEU:HD11	20	0.38
(1,5630)	1:1903:C:ALA:HB3	2:9:B:LEU:HD11	20	0.38
(1,5496)	1:1910:C:MET:HE3	2:80:A:SER:HB3	7	0.38
(1,5344)	1:1917:C:LEU:HD21	2:62:B:LEU:HA	19	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5198)	1:1929:C:VAL:HG11	2:85:B:MET:HE1	5	0.38
(1,5198)	1:1929:C:VAL:HG12	2:85:B:MET:HE1	5	0.38
(1,5198)	1:1929:C:VAL:HG13	2:85:B:MET:HE1	5	0.38
(1,5163)	1:1930:C:VAL:HG11	2:85:B:MET:HE3	11	0.38
(1,5163)	1:1930:C:VAL:HG12	2:85:B:MET:HE3	11	0.38
(1,5163)	1:1930:C:VAL:HG13	2:85:B:MET:HE3	11	0.38
(1,5163)	1:1930:C:VAL:HG11	2:85:B:MET:HE3	20	0.38
(1,5163)	1:1930:C:VAL:HG12	2:85:B:MET:HE3	20	0.38
(1,5163)	1:1930:C:VAL:HG13	2:85:B:MET:HE3	20	0.38
(1,5099)	1:1935:C:ALA:HB1	1:1933:C:ARG:HB3	9	0.38
(1,5099)	1:1935:C:ALA:HB2	1:1933:C:ARG:HB3	9	0.38
(1,5099)	1:1935:C:ALA:HB3	1:1933:C:ARG:HB3	9	0.38
(1,4994)	1:1910:C:MET:H	2:73:B:GLN:HB3	15	0.38
(1,4982)	1:1911:C:ASN:HD22	1:1915:C:SER:HA	3	0.38
(1,4982)	1:1911:C:ASN:HD22	1:1915:C:SER:HA	6	0.38
(1,4982)	1:1911:C:ASN:HD22	1:1915:C:SER:HA	11	0.38
(1,4882)	1:1920:C:LYS:H	1:1918:C:LYS:HB3	4	0.38
(1,4752)	2:58:A:LEU:H	1:1898:C:ARG:HD3	17	0.38
(1,4594)	1:1914:C:VAL:H	1:1918:C:LYS:HB3	14	0.38
(1,4485)	1:1926:C:LEU:HG	1:1924:C:GLY:H	13	0.38
(1,4484)	2:57:B:LYS:HD3	1:1924:C:GLY:H	7	0.38
(1,4180)	2:46:A:LEU:HD23	1:1900:C:LEU:HB3	10	0.38
(1,4178)	2:46:A:LEU:HD22	1:1897:C:GLN:HG2	12	0.38
(1,4163)	2:54:A:ALA:HB2	1:1897:C:GLN:HA	7	0.38
(1,4150)	2:61:B:ASN:HA	1:1926:C:LEU:HG	1	0.38
(1,4150)	2:61:B:ASN:HA	1:1926:C:LEU:HG	5	0.38
(1,4150)	2:61:B:ASN:HA	1:1926:C:LEU:HG	15	0.38
(1,4086)	2:84:B:MET:HE2	1:1918:C:LYS:HD3	20	0.38
(1,4058)	2:85:B:MET:HE3	1:1930:C:VAL:HB	12	0.38
(1,4049)	2:85:A:MET:HE2	1:1899:C:GLU:H	10	0.38
(1,4019)	2:38:B:LEU:HD12	1:1928:C:PHE:HD2	6	0.38
(1,3874)	2:45:A:PHE:HD1	2:85:A:MET:HE1	12	0.38
(1,3874)	2:45:A:PHE:HD2	2:85:A:MET:HE1	12	0.38
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD11	11	0.38
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD12	11	0.38
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD13	11	0.38
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD11	11	0.38
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD12	11	0.38
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD13	11	0.38
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD11	16	0.38
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD12	16	0.38
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD13	16	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD11	16	0.38
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD12	16	0.38
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD13	16	0.38
(1,3764)	2:97:B:GLN:H	2:96:B:LYS:HA	11	0.38
(1,2756)	2:28:A:LYS:H	2:28:A:LYS:HD3	11	0.38
(1,2728)	2:21:B:GLY:H	2:26:B:LYS:HD2	1	0.38
(1,2495)	2:5:B:LEU:HD13	2:6:B:GLU:HA	19	0.38
(1,2414)	2:9:B:LEU:HD22	2:82:A:ILE:HG22	13	0.38
(1,2383)	2:9:B:LEU:HD13	2:82:A:ILE:HG13	6	0.38
(1,2311)	2:12:A:MET:HE3	2:12:A:MET:HA	1	0.38
(1,2311)	2:12:A:MET:HE3	2:12:A:MET:HA	2	0.38
(1,2311)	2:12:A:MET:HE3	2:12:A:MET:HA	3	0.38
(1,2279)	2:12:B:MET:HE2	2:83:A:ALA:H	6	0.38
(1,2279)	2:12:B:MET:HE2	2:83:A:ALA:H	11	0.38
(1,2268)	2:12:B:MET:HE3	2:12:B:MET:HG2	5	0.38
(1,2238)	2:13:A:VAL:HG23	2:17:A:HIS:HD2	8	0.38
(1,2238)	2:13:A:VAL:HG21	2:17:A:HIS:HD2	9	0.38
(1,2238)	2:13:A:VAL:HG21	2:17:A:HIS:HD2	15	0.38
(1,2224)	2:13:B:VAL:HG12	2:10:B:ASP:HA	11	0.38
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD1	15	0.38
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD2	15	0.38
(1,2039)	2:29:B:LEU:HD11	2:34:B:LEU:HA	20	0.38
(1,1961)	2:34:B:LEU:HD22	2:62:B:LEU:HD13	8	0.38
(1,1961)	2:34:B:LEU:HD23	2:62:B:LEU:HD13	18	0.38
(1,1951)	2:34:B:LEU:HD22	2:31:B:LYS:HA	11	0.38
(1,1948)	2:34:B:LEU:HD22	1:1928:C:PHE:HZ	7	0.38
(1,1948)	2:34:B:LEU:HD22	1:1928:C:PHE:HZ	8	0.38
(1,1940)	2:34:B:LEU:HD13	2:59:B:MET:H	8	0.38
(1,1940)	2:34:B:LEU:HD12	2:59:B:MET:H	9	0.38
(1,1940)	2:34:B:LEU:HD13	2:59:B:MET:H	13	0.38
(1,1853)	2:35:A:LYS:HE3	2:35:A:LYS:H	5	0.38
(1,1853)	2:35:A:LYS:HE3	2:35:A:LYS:H	17	0.38
(1,1752)	2:38:B:LEU:HD12	1:1928:C:PHE:HZ	8	0.38
(1,1752)	2:38:B:LEU:HD12	1:1928:C:PHE:HZ	14	0.38
(1,1705)	2:38:A:LEU:HD13	2:50:A:THR:HB	4	0.38
(1,1695)	2:38:A:LEU:HD13	2:42:A:LEU:H	14	0.38
(1,1691)	2:38:A:LEU:HD23	2:39:A:THR:H	14	0.38
(1,1691)	2:38:A:LEU:HD21	2:39:A:THR:H	19	0.38
(1,1671)	2:39:B:THR:HG21	2:40:B:ARG:HD2	13	0.38
(1,1543)	2:42:A:LEU:HD13	2:82:A:ILE:HD12	13	0.38
(1,1543)	2:42:A:LEU:HD13	2:82:A:ILE:HD12	16	0.38
(1,1468)	2:46:A:LEU:HD12	1:1897:C:GLN:HE22	3	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1461)	2:46:A:LEU:HD21	2:39:A:THR:H	4	0.38
(1,1461)	2:46:A:LEU:HD21	2:39:A:THR:H	15	0.38
(1,1362)	2:52:B:GLU:HG3	2:53:B:ALA:HB1	5	0.38
(1,1155)	2:58:A:LEU:HD23	2:85:A:MET:HE1	4	0.38
(1,1123)	2:58:A:LEU:HD11	2:55:A:PHE:HD2	5	0.38
(1,1097)	2:59:B:MET:HE3	2:68:B:ASN:HD21	19	0.38
(1,1092)	2:59:B:MET:HE1	2:61:B:ASN:H	18	0.38
(1,1091)	2:59:B:MET:HE3	2:69:B:GLU:H	14	0.38
(1,1082)	2:59:B:MET:HE3	2:68:B:ASN:HB3	2	0.38
(1,1082)	2:59:B:MET:HE2	2:68:B:ASN:HB3	7	0.38
(1,1080)	2:59:B:MET:HE3	2:59:B:MET:HG2	19	0.38
(1,1079)	2:59:B:MET:HE2	2:59:B:MET:HG3	16	0.38
(1,1074)	2:59:B:MET:HE3	2:70:B:VAL:HG12	11	0.38
(1,1049)	2:59:A:MET:HE3	2:71:A:ASP:H	7	0.38
(1,1027)	2:59:A:MET:HE3	2:62:A:LEU:HD22	18	0.38
(1,1001)	2:60:B:SER:HB2	2:63:B:ASP:HB2	19	0.38
(1,753)	2:70:B:VAL:HG21	2:74:B:GLU:H	5	0.38
(1,744)	2:70:A:VAL:HG23	2:75:A:TYR:H	9	0.38
(1,602)	2:77:B:VAL:HG12	2:77:B:VAL:HA	2	0.38
(1,602)	2:77:B:VAL:HG12	2:77:B:VAL:HA	3	0.38
(1,602)	2:77:B:VAL:HG11	2:77:B:VAL:HA	4	0.38
(1,602)	2:77:B:VAL:HG12	2:77:B:VAL:HA	12	0.38
(1,602)	2:77:B:VAL:HG13	2:77:B:VAL:HA	13	0.38
(1,472)	2:79:A:LEU:HD21	2:75:A:TYR:HE1	4	0.38
(1,472)	2:79:A:LEU:HD21	2:75:A:TYR:HE2	4	0.38
(1,387)	2:82:B:ILE:HD11	2:82:B:ILE:HA	19	0.38
(1,383)	2:82:B:ILE:HD12	2:85:B:MET:HE3	16	0.38
(1,376)	2:82:B:ILE:HG23	1:1929:C:VAL:HG11	7	0.38
(1,376)	2:82:B:ILE:HG23	1:1929:C:VAL:HG12	7	0.38
(1,376)	2:82:B:ILE:HG23	1:1929:C:VAL:HG13	7	0.38
(1,355)	2:82:B:ILE:HG21	2:78:B:PHE:HD1	9	0.38
(1,355)	2:82:B:ILE:HG21	2:78:B:PHE:HD2	9	0.38
(1,315)	2:82:A:ILE:HD13	2:42:A:LEU:HD23	14	0.38
(1,253)	2:84:B:MET:HE3	2:73:A:GLN:HE22	13	0.38
(1,243)	2:84:B:MET:HE2	2:85:B:MET:HB2	1	0.38
(1,243)	2:84:B:MET:HE2	2:85:B:MET:HB2	3	0.38
(1,178)	2:85:B:MET:HE1	1:1928:C:PHE:HZ	9	0.38
(1,142)	2:85:A:MET:HE3	2:85:A:MET:HG3	8	0.38
(1,142)	2:85:A:MET:HE2	2:85:A:MET:HG3	16	0.38
(1,132)	2:85:A:MET:HE3	2:83:A:ALA:H	8	0.38
(1,132)	2:85:A:MET:HE3	2:83:A:ALA:H	18	0.38
(1,6847)	2:83:A:ALA:H	2:72:B:PHE:HE1	6	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6708)	2:23:A:GLU:H	2:33:A:GLU:HA	10	0.37
(1,6656)	2:100:A:LYS:H	2:100:A:LYS:HA	12	0.37
(1,6644)	2:4:B:PRO:HG2	2:11:A:VAL:HG22	19	0.37
(1,6601)	2:5:A:LEU:HD21	2:12:B:MET:HE1	1	0.37
(1,6595)	2:5:B:LEU:HD22	2:78:A:PHE:HE2	11	0.37
(1,6595)	2:5:B:LEU:HD23	2:78:A:PHE:HE2	12	0.37
(1,6592)	2:5:B:LEU:HD23	2:79:A:LEU:HG	18	0.37
(1,6589)	2:5:B:LEU:HD21	2:11:A:VAL:HB	7	0.37
(1,6557)	2:8:A:ALA:HB2	2:6:A:GLU:H	18	0.37
(1,6555)	2:8:A:ALA:HB2	2:6:A:GLU:HA	11	0.37
(1,6513)	2:9:B:LEU:HD23	2:6:B:GLU:HA	15	0.37
(1,6487)	2:11:A:VAL:HG13	2:4:B:PRO:HD2	8	0.37
(1,6487)	2:11:A:VAL:HG12	2:4:B:PRO:HD2	11	0.37
(1,6482)	2:11:A:VAL:HG11	2:7:A:LYS:HE2	5	0.37
(1,6452)	2:12:A:MET:HE3	2:79:A:LEU:HG	17	0.37
(1,6449)	2:12:A:MET:HE1	2:9:A:LEU:HD12	10	0.37
(1,6448)	2:12:A:MET:HE2	2:9:A:LEU:HD23	13	0.37
(1,6433)	2:12:B:MET:HG3	2:13:B:VAL:HG12	16	0.37
(1,6428)	2:13:A:VAL:HG21	2:72:A:PHE:HZ	14	0.37
(1,6243)	2:29:B:LEU:HD11	2:34:B:LEU:HD22	6	0.37
(1,6239)	2:29:A:LEU:HD11	2:59:A:MET:HE3	1	0.37
(1,6239)	2:29:A:LEU:HD11	2:59:A:MET:HE2	11	0.37
(1,6197)	2:33:A:GLU:HA	2:36:A:GLU:HB3	7	0.37
(1,6158)	2:88:B:GLU:HG3	2:87:B:ASN:HA	10	0.37
(1,6144)	2:37:B:LEU:HD13	2:12:B:MET:HA	8	0.37
(1,6138)	2:37:A:LEU:HD11	2:34:A:LEU:HD21	1	0.37
(1,6107)	2:38:B:LEU:HD13	2:34:B:LEU:HD13	6	0.37
(1,6107)	2:38:B:LEU:HD12	2:34:B:LEU:HD13	14	0.37
(1,6071)	2:39:B:THR:HG21	2:38:B:LEU:HB3	7	0.37
(1,6038)	2:42:A:LEU:HD11	2:6:B:GLU:HA	7	0.37
(1,5949)	2:59:A:MET:HE1	2:30:A:ASN:H	13	0.37
(1,5948)	2:59:A:MET:HE1	2:69:A:GLU:H	5	0.37
(1,5948)	2:59:A:MET:HE1	2:69:A:GLU:H	11	0.37
(1,5946)	2:59:A:MET:HE2	2:31:A:LYS:HE3	17	0.37
(1,5891)	2:64:B:SER:HB2	2:65:B:ASN:HB3	8	0.37
(1,5814)	2:79:B:LEU:HD12	2:9:A:LEU:HD21	19	0.37
(1,5783)	2:82:A:ILE:HD12	2:79:A:LEU:H	7	0.37
(1,5783)	2:82:A:ILE:HD12	2:79:A:LEU:H	8	0.37
(1,5630)	1:1903:C:ALA:HB1	2:9:B:LEU:HD12	8	0.37
(1,5630)	1:1903:C:ALA:HB2	2:9:B:LEU:HD12	8	0.37
(1,5630)	1:1903:C:ALA:HB3	2:9:B:LEU:HD12	8	0.37
(1,5570)	1:1906:C:THR:HG21	1:1905:C:GLU:HG2	20	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5570)	1:1906:C:THR:HG22	1:1905:C:GLU:HG2	20	0.37
(1,5570)	1:1906:C:THR:HG23	1:1905:C:GLU:HG2	20	0.37
(1,5391)	1:1914:C:VAL:HG12	2:77:B:VAL:HB	17	0.37
(1,5163)	1:1930:C:VAL:HG11	2:85:B:MET:HE3	4	0.37
(1,5163)	1:1930:C:VAL:HG12	2:85:B:MET:HE3	4	0.37
(1,5163)	1:1930:C:VAL:HG13	2:85:B:MET:HE3	4	0.37
(1,4879)	1:1920:C:LYS:H	1:1926:C:LEU:HG	10	0.37
(1,4631)	1:1912:C:ARG:HB3	1:1909:C:ALA:HA	1	0.37
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD21	19	0.37
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD22	19	0.37
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD23	19	0.37
(1,4163)	2:54:A:ALA:HB1	1:1897:C:GLN:HA	9	0.37
(1,4078)	2:84:A:MET:HE3	1:1910:C:MET:HB3	5	0.37
(1,4065)	2:85:B:MET:HE3	1:1930:C:VAL:HA	7	0.37
(1,4062)	2:85:B:MET:HE1	1:1922:C:ARG:HD2	18	0.37
(1,4049)	2:85:A:MET:HE2	1:1899:C:GLU:H	13	0.37
(1,4019)	2:38:B:LEU:HD12	1:1928:C:PHE:HD2	17	0.37
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD11	17	0.37
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD12	17	0.37
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD13	17	0.37
(1,3991)	2:58:B:LEU:HD12	1:1917:C:LEU:HD21	6	0.37
(1,3991)	2:58:B:LEU:HD12	1:1917:C:LEU:HD22	6	0.37
(1,3991)	2:58:B:LEU:HD12	1:1917:C:LEU:HD23	6	0.37
(1,3985)	2:62:B:LEU:HD23	1:1917:C:LEU:HA	5	0.37
(1,3985)	2:62:B:LEU:HD23	1:1917:C:LEU:HA	6	0.37
(1,2993)	2:62:A:LEU:H	2:60:A:SER:HB3	6	0.37
(1,2756)	2:28:A:LYS:H	2:28:A:LYS:HD3	13	0.37
(1,2743)	2:27:A:PHE:H	2:27:A:PHE:HD1	20	0.37
(1,2743)	2:27:A:PHE:H	2:27:A:PHE:HD2	20	0.37
(1,2728)	2:21:B:GLY:H	2:26:B:LYS:HD3	11	0.37
(1,2591)	2:4:B:PRO:HG2	2:11:A:VAL:HG22	19	0.37
(1,2514)	2:5:B:LEU:HD21	2:8:B:ALA:HB3	12	0.37
(1,2414)	2:9:B:LEU:HD21	2:82:A:ILE:HG22	12	0.37
(1,2312)	2:12:A:MET:HE1	2:78:A:PHE:HD1	13	0.37
(1,2312)	2:12:A:MET:HE1	2:78:A:PHE:HD2	13	0.37
(1,2311)	2:12:A:MET:HE1	2:12:A:MET:HA	9	0.37
(1,2300)	2:12:A:MET:HE3	2:79:A:LEU:HD13	19	0.37
(1,2279)	2:12:B:MET:HE2	2:83:A:ALA:H	7	0.37
(1,2268)	2:12:B:MET:HE3	2:12:B:MET:HG2	2	0.37
(1,2238)	2:13:A:VAL:HG22	2:17:A:HIS:HD2	11	0.37
(1,2216)	2:13:A:VAL:HG12	2:10:A:ASP:HA	17	0.37
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD1	3	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD2	3	0.37
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD1	16	0.37
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD2	16	0.37
(1,1948)	2:34:B:LEU:HD23	1:1928:C:PHE:HZ	20	0.37
(1,1914)	2:34:A:LEU:HD22	2:31:A:LYS:HA	11	0.37
(1,1821)	2:36:B:GLU:HG3	2:40:B:ARG:HD3	12	0.37
(1,1774)	2:37:B:LEU:HD11	2:16:B:PHE:HA	20	0.37
(1,1771)	2:37:A:LEU:HD11	2:16:A:PHE:HA	20	0.37
(1,1752)	2:38:B:LEU:HD13	1:1928:C:PHE:HZ	19	0.37
(1,1691)	2:38:A:LEU:HD22	2:39:A:THR:H	13	0.37
(1,1661)	2:39:A:THR:HG23	2:55:A:PHE:HE1	18	0.37
(1,1461)	2:46:A:LEU:HD23	2:39:A:THR:H	8	0.37
(1,1408)	2:49:A:ARG:HD2	2:54:A:ALA:HB3	4	0.37
(1,1408)	2:49:A:ARG:HD2	2:54:A:ALA:HB3	11	0.37
(1,1407)	2:49:A:ARG:HG2	2:54:A:ALA:HB3	12	0.37
(1,1346)	2:52:A:GLU:HG2	2:53:A:ALA:HB3	9	0.37
(1,1346)	2:52:A:GLU:HG2	2:53:A:ALA:HB2	20	0.37
(1,1322)	2:53:A:ALA:HB1	2:56:A:GLN:HE22	18	0.37
(1,1091)	2:59:B:MET:HE3	2:69:B:GLU:H	17	0.37
(1,1085)	2:59:B:MET:HE1	2:31:B:LYS:HA	15	0.37
(1,1085)	2:59:B:MET:HE2	2:31:B:LYS:HA	16	0.37
(1,1079)	2:59:B:MET:HE1	2:59:B:MET:HG3	7	0.37
(1,1052)	2:59:A:MET:HE3	2:62:A:LEU:H	13	0.37
(1,1052)	2:59:A:MET:HE2	2:62:A:LEU:H	18	0.37
(1,1051)	2:59:A:MET:HE2	2:68:A:ASN:H	18	0.37
(1,1049)	2:59:A:MET:HE1	2:71:A:ASP:H	8	0.37
(1,1049)	2:59:A:MET:HE3	2:71:A:ASP:H	9	0.37
(1,1037)	2:59:A:MET:HE1	2:68:A:ASN:HA	11	0.37
(1,934)	2:62:B:LEU:HD12	2:61:B:ASN:HB3	3	0.37
(1,781)	2:70:B:VAL:HG21	2:62:B:LEU:HD22	15	0.37
(1,781)	2:70:B:VAL:HG23	2:62:B:LEU:HD22	17	0.37
(1,753)	2:70:B:VAL:HG22	2:74:B:GLU:H	8	0.37
(1,717)	2:70:B:VAL:HG12	2:78:B:PHE:HE1	13	0.37
(1,717)	2:70:B:VAL:HG12	2:78:B:PHE:HE2	13	0.37
(1,525)	2:79:B:LEU:HD21	2:82:B:ILE:HB	6	0.37
(1,525)	2:79:B:LEU:HD21	2:82:B:ILE:HB	10	0.37
(1,472)	2:79:A:LEU:HD21	2:75:A:TYR:HE1	11	0.37
(1,472)	2:79:A:LEU:HD21	2:75:A:TYR:HE2	11	0.37
(1,472)	2:79:A:LEU:HD23	2:75:A:TYR:HE1	13	0.37
(1,472)	2:79:A:LEU:HD23	2:75:A:TYR:HE2	13	0.37
(1,472)	2:79:A:LEU:HD21	2:75:A:TYR:HE1	15	0.37
(1,472)	2:79:A:LEU:HD21	2:75:A:TYR:HE2	15	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,472)	2:79:A:LEU:HD21	2:75:A:TYR:HE1	17	0.37
(1,472)	2:79:A:LEU:HD21	2:75:A:TYR:HE2	17	0.37
(1,460)	2:79:A:LEU:HD23	2:76:A:CYS:HA	10	0.37
(1,387)	2:82:B:ILE:HD11	2:82:B:ILE:HA	2	0.37
(1,387)	2:82:B:ILE:HD12	2:82:B:ILE:HA	10	0.37
(1,315)	2:82:A:ILE:HD13	2:42:A:LEU:HD23	4	0.37
(1,266)	2:83:A:ALA:HB1	2:76:B:CYS:H	4	0.37
(1,254)	2:84:B:MET:HE1	2:81:B:CYS:H	12	0.37
(1,243)	2:84:B:MET:HE2	2:85:B:MET:HB2	6	0.37
(1,214)	2:84:A:MET:HE1	2:72:B:PHE:HE1	16	0.37
(1,214)	2:84:A:MET:HE1	2:72:B:PHE:HE2	16	0.37
(1,142)	2:85:A:MET:HE2	2:85:A:MET:HG3	15	0.37
(1,134)	2:85:A:MET:HE1	2:82:A:ILE:HD13	7	0.37
(1,132)	2:85:A:MET:HE3	2:83:A:ALA:H	2	0.37
(1,132)	2:85:A:MET:HE3	2:83:A:ALA:H	7	0.37
(1,132)	2:85:A:MET:HE3	2:83:A:ALA:H	9	0.37
(1,132)	2:85:A:MET:HE3	2:83:A:ALA:H	16	0.37
(1,128)	2:85:A:MET:HE1	2:45:A:PHE:H	5	0.37
(2,49)	1:1935:C:ALA:HB1	1:1932:C:ARG:HA	2	0.36
(2,49)	1:1935:C:ALA:HB2	1:1932:C:ARG:HA	2	0.36
(2,49)	1:1935:C:ALA:HB3	1:1932:C:ARG:HA	2	0.36
(2,46)	1:1916:C:SER:H	1:1912:C:ARG:HB2	13	0.36
(1,7015)	2:19:A:TYR:HE1	2:40:A:ARG:HB2	16	0.36
(1,6847)	2:83:A:ALA:H	2:72:B:PHE:HE1	16	0.36
(1,6828)	2:75:A:TYR:H	2:29:A:LEU:HD11	6	0.36
(1,6714)	2:23:B:GLU:H	2:22:B:LYS:HB3	3	0.36
(1,6656)	2:100:A:LYS:H	2:100:A:LYS:HA	7	0.36
(1,6656)	2:100:B:LYS:H	2:100:B:LYS:HA	20	0.36
(1,6601)	2:5:A:LEU:HD23	2:12:B:MET:HE1	11	0.36
(1,6595)	2:5:B:LEU:HD23	2:78:A:PHE:HE2	1	0.36
(1,6595)	2:5:B:LEU:HD22	2:78:A:PHE:HE2	2	0.36
(1,6595)	2:5:B:LEU:HD22	2:78:A:PHE:HE2	3	0.36
(1,6595)	2:5:B:LEU:HD23	2:78:A:PHE:HE2	5	0.36
(1,6557)	2:8:A:ALA:HB1	2:6:A:GLU:H	1	0.36
(1,6557)	2:8:A:ALA:HB2	2:6:A:GLU:H	15	0.36
(1,6555)	2:8:A:ALA:HB1	2:6:A:GLU:HA	19	0.36
(1,6461)	2:12:A:MET:HE3	2:76:A:CYS:H	14	0.36
(1,6459)	2:12:A:MET:HE3	2:72:A:PHE:HE1	4	0.36
(1,6455)	2:12:A:MET:HE3	2:76:A:CYS:HA	16	0.36
(1,6428)	2:13:B:VAL:HG23	2:72:B:PHE:HZ	6	0.36
(1,6394)	2:15:A:THR:HB	2:18:A:LYS:HD2	18	0.36
(1,6353)	2:22:B:LYS:HD3	2:19:B:TYR:HD2	18	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6197)	2:33:A:GLU:HA	2:36:A:GLU:HB3	1	0.36
(1,6184)	2:34:A:LEU:HD21	2:70:A:VAL:HG11	11	0.36
(1,6107)	2:38:B:LEU:HD12	2:34:B:LEU:HD13	5	0.36
(1,6071)	2:39:B:THR:HG23	2:38:B:LEU:HB3	18	0.36
(1,6066)	2:40:B:ARG:HD3	2:19:B:TYR:HD1	13	0.36
(1,6063)	2:40:B:ARG:HD2	2:39:B:THR:HG22	9	0.36
(1,6048)	2:42:B:LEU:HD23	2:79:B:LEU:HD22	2	0.36
(1,5974)	2:58:B:LEU:HD23	1:1928:C:PHE:HB2	5	0.36
(1,5962)	2:58:A:LEU:HD12	2:61:A:ASN:HA	5	0.36
(1,5960)	2:59:B:MET:HE1	2:60:B:SER:HA	9	0.36
(1,5946)	2:59:A:MET:HE2	2:30:A:ASN:HB3	8	0.36
(1,5943)	2:59:A:MET:HE1	2:34:A:LEU:HB3	15	0.36
(1,5921)	2:62:B:LEU:HD23	1:1917:C:LEU:HD22	20	0.36
(1,5918)	2:62:B:LEU:HD12	1:1921:C:LEU:HD21	14	0.36
(1,5897)	2:62:A:LEU:HD21	2:59:A:MET:HE3	1	0.36
(1,5831)	2:77:B:VAL:HG13	2:73:B:GLN:HE22	5	0.36
(1,5814)	2:79:B:LEU:HD12	2:9:A:LEU:HD22	1	0.36
(1,5806)	2:79:A:LEU:HD22	2:12:A:MET:HG3	5	0.36
(1,5791)	2:82:B:ILE:HD12	1:1929:C:VAL:HG11	9	0.36
(1,5783)	2:82:A:ILE:HD12	2:79:A:LEU:H	11	0.36
(1,5778)	2:83:A:ALA:HB3	2:12:B:MET:HE1	2	0.36
(1,5761)	2:83:A:ALA:HB2	2:80:A:SER:H	18	0.36
(1,5756)	2:84:B:MET:HE2	1:1918:C:LYS:HA	2	0.36
(1,5756)	2:84:B:MET:HE2	1:1918:C:LYS:HA	5	0.36
(1,5756)	2:84:B:MET:HE2	1:1918:C:LYS:HA	11	0.36
(1,5745)	2:85:B:MET:HE3	2:45:B:PHE:HB2	5	0.36
(1,5745)	2:85:B:MET:HE3	2:86:B:CYS:HB2	10	0.36
(1,5742)	2:85:B:MET:HE1	1:1926:C:LEU:HD13	14	0.36
(1,5742)	2:85:B:MET:HE1	1:1926:C:LEU:HD12	15	0.36
(1,5684)	1:1900:C:LEU:HD21	2:82:A:ILE:HD12	2	0.36
(1,5684)	1:1900:C:LEU:HD22	2:82:A:ILE:HD12	2	0.36
(1,5684)	1:1900:C:LEU:HD23	2:82:A:ILE:HD12	2	0.36
(1,5684)	1:1900:C:LEU:HD21	2:82:A:ILE:HD13	14	0.36
(1,5684)	1:1900:C:LEU:HD22	2:82:A:ILE:HD13	14	0.36
(1,5684)	1:1900:C:LEU:HD23	2:82:A:ILE:HD13	14	0.36
(1,5496)	1:1910:C:MET:HE3	2:80:A:SER:HB3	18	0.36
(1,5486)	1:1910:C:MET:HE3	2:77:B:VAL:HG11	3	0.36
(1,5486)	1:1910:C:MET:HE2	2:77:B:VAL:HG11	4	0.36
(1,5486)	1:1910:C:MET:HE3	2:77:B:VAL:HG13	11	0.36
(1,5400)	1:1914:C:VAL:HG22	2:81:B:CYS:HB3	13	0.36
(1,5361)	1:1917:C:LEU:HD22	1:1913:C:GLU:HB2	19	0.36
(1,5287)	1:1921:C:LEU:HD21	1:1917:C:LEU:HD21	10	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5287)	1:1921:C:LEU:HD21	1:1917:C:LEU:HD22	10	0.36
(1,5287)	1:1921:C:LEU:HD21	1:1917:C:LEU:HD23	10	0.36
(1,5287)	1:1921:C:LEU:HD22	1:1917:C:LEU:HD21	10	0.36
(1,5287)	1:1921:C:LEU:HD22	1:1917:C:LEU:HD22	10	0.36
(1,5287)	1:1921:C:LEU:HD22	1:1917:C:LEU:HD23	10	0.36
(1,5287)	1:1921:C:LEU:HD23	1:1917:C:LEU:HD21	10	0.36
(1,5287)	1:1921:C:LEU:HD23	1:1917:C:LEU:HD22	10	0.36
(1,5287)	1:1921:C:LEU:HD23	1:1917:C:LEU:HD23	10	0.36
(1,5163)	1:1930:C:VAL:HG11	2:85:B:MET:HE3	19	0.36
(1,5163)	1:1930:C:VAL:HG12	2:85:B:MET:HE3	19	0.36
(1,5163)	1:1930:C:VAL:HG13	2:85:B:MET:HE3	19	0.36
(1,5009)	1:1909:C:ALA:H	1:1905:C:GLU:HB2	5	0.36
(1,4994)	1:1910:C:MET:H	2:73:B:GLN:HB3	12	0.36
(1,4982)	1:1911:C:ASN:HD22	1:1915:C:SER:HA	5	0.36
(1,4564)	1:1917:C:LEU:HD21	1:1917:C:LEU:HB3	8	0.36
(1,4564)	1:1917:C:LEU:HD22	1:1917:C:LEU:HB3	8	0.36
(1,4564)	1:1917:C:LEU:HD23	1:1917:C:LEU:HB3	8	0.36
(1,4422)	2:58:B:LEU:HD11	1:1928:C:PHE:HZ	7	0.36
(1,4411)	2:46:B:LEU:HD11	1:1928:C:PHE:HD1	14	0.36
(1,4411)	2:46:B:LEU:HD11	1:1928:C:PHE:HD1	19	0.36
(1,4392)	1:1928:C:PHE:HZ	1:1930:C:VAL:HG23	20	0.36
(1,4178)	2:46:A:LEU:HD23	1:1897:C:GLN:HG2	3	0.36
(1,4150)	2:61:B:ASN:HA	1:1926:C:LEU:HG	6	0.36
(1,4121)	2:77:B:VAL:HG11	1:1913:C:GLU:H	7	0.36
(1,4086)	2:84:B:MET:HE2	1:1918:C:LYS:HD3	16	0.36
(1,4086)	2:84:B:MET:HE2	1:1918:C:LYS:HD3	17	0.36
(1,4078)	2:84:A:MET:HE3	1:1910:C:MET:HB3	14	0.36
(1,4058)	2:85:B:MET:HE3	1:1930:C:VAL:HB	7	0.36
(1,4046)	2:85:A:MET:HE2	1:1899:C:GLU:HB3	6	0.36
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD11	12	0.36
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD12	12	0.36
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD13	12	0.36
(1,3900)	2:62:A:LEU:HD22	1:1907:C:ALA:HB1	17	0.36
(1,3900)	2:62:A:LEU:HD22	1:1907:C:ALA:HB2	17	0.36
(1,3900)	2:62:A:LEU:HD22	1:1907:C:ALA:HB3	17	0.36
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD11	15	0.36
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD12	15	0.36
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD13	15	0.36
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD11	15	0.36
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD12	15	0.36
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD13	15	0.36
(1,2993)	2:62:A:LEU:H	2:60:A:SER:HB3	14	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2756)	2:28:A:LYS:H	2:28:A:LYS:HD3	1	0.36
(1,2728)	2:21:B:GLY:H	2:26:B:LYS:HD3	8	0.36
(1,2610)	2:2:A:ALA:H	2:2:B:ALA:HB1	8	0.36
(1,2554)	2:5:A:LEU:HD21	2:9:A:LEU:HD11	18	0.36
(1,2383)	2:9:B:LEU:HD13	2:82:A:ILE:HG13	2	0.36
(1,2383)	2:9:B:LEU:HD11	2:82:A:ILE:HG13	16	0.36
(1,2331)	2:11:A:VAL:HG12	2:7:A:LYS:HG3	8	0.36
(1,2311)	2:12:A:MET:HE3	2:12:A:MET:HA	15	0.36
(1,2279)	2:12:B:MET:HE2	2:83:A:ALA:H	1	0.36
(1,2279)	2:12:B:MET:HE2	2:83:A:ALA:H	16	0.36
(1,2238)	2:13:A:VAL:HG22	2:17:A:HIS:HD2	14	0.36
(1,2236)	2:13:A:VAL:HG23	2:90:B:PHE:H	14	0.36
(1,2215)	2:13:A:VAL:HG12	2:86:B:CYS:H	9	0.36
(1,2181)	2:15:B:THR:HG23	2:41:B:GLU:HB2	17	0.36
(1,2180)	2:15:B:THR:HG22	2:37:B:LEU:HD21	15	0.36
(1,1821)	2:36:B:GLU:HG3	2:40:B:ARG:HD3	4	0.36
(1,1778)	2:37:B:LEU:HD21	2:75:B:TYR:HE1	9	0.36
(1,1778)	2:37:B:LEU:HD21	2:75:B:TYR:HE2	9	0.36
(1,1774)	2:37:B:LEU:HD13	2:16:B:PHE:HA	15	0.36
(1,1695)	2:38:A:LEU:HD12	2:42:A:LEU:H	15	0.36
(1,1691)	2:38:A:LEU:HD22	2:39:A:THR:H	4	0.36
(1,1691)	2:38:A:LEU:HD21	2:39:A:THR:H	6	0.36
(1,1671)	2:39:B:THR:HG22	2:40:B:ARG:HD2	9	0.36
(1,1607)	2:42:B:LEU:HD13	2:45:B:PHE:HE1	14	0.36
(1,1607)	2:42:B:LEU:HD13	2:45:B:PHE:HE2	14	0.36
(1,1548)	2:42:A:LEU:HD12	2:37:A:LEU:HB3	9	0.36
(1,1461)	2:46:A:LEU:HD23	2:39:A:THR:H	13	0.36
(1,1461)	2:46:A:LEU:HD21	2:39:A:THR:H	16	0.36
(1,1332)	2:53:B:ALA:HB3	2:56:B:GLN:H	19	0.36
(1,1329)	2:53:B:ALA:HB2	2:57:B:LYS:HE2	3	0.36
(1,1283)	2:54:A:ALA:HB1	1:1897:C:GLN:HE22	18	0.36
(1,1201)	2:58:B:LEU:HD11	1:1928:C:PHE:HZ	5	0.36
(1,1159)	2:58:A:LEU:HD21	2:62:A:LEU:HD21	18	0.36
(1,1157)	2:58:A:LEU:HD23	2:45:A:PHE:HB3	1	0.36
(1,1107)	2:59:B:MET:HE3	2:71:B:ASP:H	5	0.36
(1,1092)	2:59:B:MET:HE1	2:61:B:ASN:H	15	0.36
(1,1091)	2:59:B:MET:HE3	2:69:B:GLU:H	16	0.36
(1,1085)	2:59:B:MET:HE2	2:31:B:LYS:HA	6	0.36
(1,1043)	2:59:A:MET:HE3	2:60:A:SER:H	14	0.36
(1,1036)	2:59:A:MET:HE2	2:59:A:MET:HA	6	0.36
(1,917)	2:29:A:LEU:HD23	2:20:A:SER:HA	8	0.36
(1,753)	2:70:B:VAL:HG22	2:74:B:GLU:H	2	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,742)	2:70:A:VAL:HG21	2:58:A:LEU:HG	7	0.36
(1,733)	2:70:A:VAL:HG21	2:59:A:MET:HG3	9	0.36
(1,602)	2:77:B:VAL:HG13	2:77:B:VAL:HA	14	0.36
(1,590)	2:77:B:VAL:HG11	1:1913:C:GLU:H	7	0.36
(1,583)	2:77:A:VAL:HG22	1:1910:C:MET:HG2	17	0.36
(1,525)	2:79:B:LEU:HD21	2:82:B:ILE:HB	5	0.36
(1,525)	2:79:B:LEU:HD21	2:82:B:ILE:HB	7	0.36
(1,490)	2:79:B:LEU:HD12	2:83:A:ALA:H	20	0.36
(1,472)	2:79:A:LEU:HD21	2:75:A:TYR:HE1	2	0.36
(1,472)	2:79:A:LEU:HD21	2:75:A:TYR:HE2	2	0.36
(1,472)	2:79:A:LEU:HD21	2:75:A:TYR:HE1	16	0.36
(1,472)	2:79:A:LEU:HD21	2:75:A:TYR:HE2	16	0.36
(1,387)	2:82:B:ILE:HD11	2:82:B:ILE:HA	7	0.36
(1,252)	2:84:B:MET:HE1	2:72:A:PHE:HD1	9	0.36
(1,252)	2:84:B:MET:HE1	2:72:A:PHE:HD2	9	0.36
(1,248)	2:84:B:MET:HE1	2:80:B:SER:HB3	5	0.36
(1,178)	2:85:B:MET:HE1	1:1928:C:PHE:HZ	2	0.36
(1,174)	2:85:B:MET:HE2	2:85:B:MET:HA	9	0.36
(1,174)	2:85:B:MET:HE2	2:85:B:MET:HA	10	0.36
(1,174)	2:85:B:MET:HE2	2:85:B:MET:HA	12	0.36
(1,174)	2:85:B:MET:HE2	2:85:B:MET:HA	14	0.36
(1,169)	2:85:B:MET:HE1	1:1922:C:ARG:HD3	2	0.36
(1,142)	2:85:A:MET:HE3	2:85:A:MET:HG3	6	0.36
(1,132)	2:85:A:MET:HE3	2:83:A:ALA:H	5	0.36
(1,132)	2:85:A:MET:HE3	2:83:A:ALA:H	17	0.36
(1,36)	2:90:A:PHE:HB2	2:13:B:VAL:HG22	18	0.36
(2,45)	1:1918:C:LYS:H	1:1916:C:SER:HB2	12	0.35
(1,7005)	2:72:A:PHE:HE1	2:13:A:VAL:HG21	7	0.35
(1,6996)	2:72:A:PHE:HZ	2:13:A:VAL:HA	14	0.35
(1,6949)	2:80:B:SER:H	2:79:B:LEU:HD21	20	0.35
(1,6947)	2:80:B:SER:H	1:1917:C:LEU:HD12	6	0.35
(1,6810)	2:61:A:ASN:H	1:1900:C:LEU:HB3	13	0.35
(1,6809)	2:61:A:ASN:H	2:59:A:MET:HB2	13	0.35
(1,6711)	2:23:B:GLU:H	2:33:B:GLU:HG2	11	0.35
(1,6656)	2:100:B:LYS:H	2:100:B:LYS:HA	6	0.35
(1,6656)	2:100:B:LYS:H	2:100:B:LYS:HA	9	0.35
(1,6656)	2:100:B:LYS:H	2:100:B:LYS:HA	13	0.35
(1,6621)	2:2:A:ALA:HB2	2:4:A:PRO:HG3	3	0.35
(1,6620)	2:2:A:ALA:HB1	2:7:A:LYS:HA	4	0.35
(1,6592)	2:5:B:LEU:HD22	2:79:A:LEU:HG	11	0.35
(1,6574)	2:6:B:GLU:HA	2:41:A:GLU:HB2	14	0.35
(1,6573)	2:6:A:GLU:HA	2:43:B:PRO:HD3	16	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6557)	2:8:A:ALA:HB3	2:6:A:GLU:H	17	0.35
(1,6513)	2:9:B:LEU:HD21	2:6:B:GLU:HA	11	0.35
(1,6509)	2:9:B:LEU:HD13	2:6:B:GLU:HA	8	0.35
(1,6460)	2:12:A:MET:HE2	2:9:A:LEU:H	20	0.35
(1,6437)	2:12:B:MET:HE1	2:79:A:LEU:HB3	5	0.35
(1,6331)	2:23:A:GLU:HG2	2:30:A:ASN:HD21	17	0.35
(1,6294)	2:26:A:LYS:HG3	2:27:A:PHE:HD2	19	0.35
(1,6270)	2:27:A:PHE:HA	2:75:A:TYR:HD2	12	0.35
(1,6243)	2:29:B:LEU:HD11	2:34:B:LEU:HD22	15	0.35
(1,6215)	2:31:B:LYS:HD3	2:57:B:LYS:H	4	0.35
(1,6215)	2:31:B:LYS:HD3	2:57:B:LYS:H	10	0.35
(1,6197)	2:33:A:GLU:HA	2:36:A:GLU:HB3	9	0.35
(1,6195)	2:33:A:GLU:HA	2:37:A:LEU:HD12	13	0.35
(1,6136)	2:37:A:LEU:HD12	2:36:A:GLU:HB2	11	0.35
(1,6107)	2:38:B:LEU:HD13	2:34:B:LEU:HD13	16	0.35
(1,6093)	2:38:A:LEU:HD21	2:34:A:LEU:HB3	9	0.35
(1,6092)	2:38:A:LEU:HD22	2:42:A:LEU:HG	1	0.35
(1,6092)	2:38:A:LEU:HD23	2:42:A:LEU:HG	4	0.35
(1,6087)	2:38:A:LEU:HD23	2:39:A:THR:HA	13	0.35
(1,6048)	2:42:B:LEU:HD23	2:79:B:LEU:HD22	8	0.35
(1,6048)	2:42:B:LEU:HD23	2:79:B:LEU:HD22	13	0.35
(1,6019)	2:46:A:LEU:HD21	2:55:A:PHE:HA	8	0.35
(1,6009)	2:49:B:ARG:HG3	2:54:B:ALA:HB2	8	0.35
(1,5960)	2:59:B:MET:HE1	2:60:B:SER:HA	8	0.35
(1,5959)	2:59:B:MET:HE1	2:60:B:SER:HB2	5	0.35
(1,5946)	2:59:A:MET:HE1	2:30:A:ASN:HB3	1	0.35
(1,5946)	2:59:A:MET:HE2	2:30:A:ASN:HB3	7	0.35
(1,5945)	2:59:A:MET:HE3	2:63:A:ASP:HB2	4	0.35
(1,5887)	2:64:A:SER:HB2	1:1911:C:ASN:HD21	7	0.35
(1,5834)	2:77:B:VAL:HG13	2:62:B:LEU:HA	12	0.35
(1,5831)	2:77:B:VAL:HG13	2:73:B:GLN:HE22	11	0.35
(1,5831)	2:77:B:VAL:HG11	2:73:B:GLN:HE22	12	0.35
(1,5831)	2:77:B:VAL:HG13	2:73:B:GLN:HE22	17	0.35
(1,5815)	2:79:B:LEU:HD21	2:9:A:LEU:HD21	19	0.35
(1,5814)	2:79:B:LEU:HD13	2:9:A:LEU:HD21	8	0.35
(1,5814)	2:79:B:LEU:HD11	2:9:A:LEU:HD21	16	0.35
(1,5806)	2:79:A:LEU:HD22	2:12:A:MET:HG3	2	0.35
(1,5806)	2:79:A:LEU:HD22	2:12:A:MET:HG3	6	0.35
(1,5778)	2:83:A:ALA:HB3	2:12:B:MET:HE1	10	0.35
(1,5684)	1:1900:C:LEU:HD21	2:82:A:ILE:HD13	12	0.35
(1,5684)	1:1900:C:LEU:HD22	2:82:A:ILE:HD13	12	0.35
(1,5684)	1:1900:C:LEU:HD23	2:82:A:ILE:HD13	12	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5496)	1:1910:C:MET:HE2	2:80:A:SER:HB3	8	0.35
(1,5482)	1:1910:C:MET:HG3	2:73:B:GLN:HB3	15	0.35
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG21	10	0.35
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG22	10	0.35
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG23	10	0.35
(1,5406)	1:1914:C:VAL:HG11	1:1918:C:LYS:HA	11	0.35
(1,5406)	1:1914:C:VAL:HG12	1:1918:C:LYS:HA	11	0.35
(1,5406)	1:1914:C:VAL:HG13	1:1918:C:LYS:HA	11	0.35
(1,5391)	1:1914:C:VAL:HG11	2:77:B:VAL:HB	1	0.35
(1,5163)	1:1930:C:VAL:HG11	2:85:B:MET:HE3	7	0.35
(1,5163)	1:1930:C:VAL:HG12	2:85:B:MET:HE3	7	0.35
(1,5163)	1:1930:C:VAL:HG13	2:85:B:MET:HE3	7	0.35
(1,5163)	1:1930:C:VAL:HG11	2:85:B:MET:HE3	17	0.35
(1,5163)	1:1930:C:VAL:HG12	2:85:B:MET:HE3	17	0.35
(1,5163)	1:1930:C:VAL:HG13	2:85:B:MET:HE3	17	0.35
(1,4899)	1:1919:C:ASN:H	1:1922:C:ARG:HB3	14	0.35
(1,4594)	1:1914:C:VAL:H	1:1918:C:LYS:HB3	11	0.35
(1,4533)	1:1923:C:ARG:HB3	1:1920:C:LYS:HA	4	0.35
(1,4484)	2:57:B:LYS:HD3	1:1924:C:GLY:H	11	0.35
(1,4392)	1:1928:C:PHE:HZ	1:1930:C:VAL:HG22	8	0.35
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD21	13	0.35
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD22	13	0.35
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD23	13	0.35
(1,4179)	2:46:A:LEU:HD23	1:1900:C:LEU:HG	18	0.35
(1,4150)	2:61:B:ASN:HA	1:1926:C:LEU:HG	10	0.35
(1,4120)	2:77:B:VAL:HG12	1:1917:C:LEU:H	8	0.35
(1,4092)	2:84:B:MET:HE3	1:1911:C:ASN:HA	6	0.35
(1,4078)	2:84:A:MET:HE3	1:1910:C:MET:HB3	20	0.35
(1,4065)	2:85:B:MET:HE3	1:1930:C:VAL:HA	14	0.35
(1,4055)	2:85:B:MET:HE2	1:1918:C:LYS:HG2	19	0.35
(1,4046)	2:85:A:MET:HE2	1:1899:C:GLU:HB3	2	0.35
(1,4046)	2:85:A:MET:HE2	1:1899:C:GLU:HB3	8	0.35
(1,4010)	2:58:B:LEU:HD11	1:1917:C:LEU:HD11	5	0.35
(1,4010)	2:58:B:LEU:HD11	1:1917:C:LEU:HD12	5	0.35
(1,4010)	2:58:B:LEU:HD11	1:1917:C:LEU:HD13	5	0.35
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD11	14	0.35
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD12	14	0.35
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD13	14	0.35
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD11	14	0.35
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD12	14	0.35
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD13	14	0.35
(1,2904)	2:51:A:ASP:H	2:46:A:LEU:HB3	20	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2889)	2:49:A:ARG:H	2:54:A:ALA:HB1	4	0.35
(1,2889)	2:49:A:ARG:H	2:54:A:ALA:HB2	14	0.35
(1,2728)	2:21:B:GLY:H	2:26:B:LYS:HD2	15	0.35
(1,2591)	2:4:B:PRO:HG2	2:11:A:VAL:HG23	12	0.35
(1,2522)	2:5:B:LEU:HD21	2:9:B:LEU:H	5	0.35
(1,2514)	2:5:B:LEU:HD21	2:8:B:ALA:HB1	8	0.35
(1,2495)	2:5:B:LEU:HD13	2:6:B:GLU:HA	11	0.35
(1,2383)	2:9:B:LEU:HD11	2:82:A:ILE:HG13	8	0.35
(1,2299)	2:12:A:MET:HG3	2:5:B:LEU:HD21	16	0.35
(1,2279)	2:12:B:MET:HE2	2:83:A:ALA:H	12	0.35
(1,2279)	2:12:B:MET:HE2	2:83:A:ALA:H	14	0.35
(1,2220)	2:13:A:VAL:HG12	2:83:B:ALA:HB3	12	0.35
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD1	11	0.35
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD2	11	0.35
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD1	18	0.35
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD2	18	0.35
(1,2039)	2:29:B:LEU:HD11	2:34:B:LEU:HA	7	0.35
(1,2039)	2:29:B:LEU:HD11	2:34:B:LEU:HA	11	0.35
(1,2039)	2:29:B:LEU:HD11	2:34:B:LEU:HA	19	0.35
(1,1961)	2:34:B:LEU:HD22	2:62:B:LEU:HD13	2	0.35
(1,1821)	2:36:B:GLU:HG3	2:40:B:ARG:HD3	17	0.35
(1,1771)	2:37:A:LEU:HD13	2:16:A:PHE:HA	15	0.35
(1,1736)	2:38:B:LEU:HD23	2:38:B:LEU:HA	15	0.35
(1,1713)	2:38:A:LEU:HD11	2:42:A:LEU:HB2	17	0.35
(1,1705)	2:38:A:LEU:HD13	2:50:A:THR:HB	11	0.35
(1,1691)	2:38:A:LEU:HD21	2:39:A:THR:H	1	0.35
(1,1691)	2:38:A:LEU:HD22	2:39:A:THR:H	5	0.35
(1,1609)	2:42:B:LEU:HD11	2:45:B:PHE:H	14	0.35
(1,1607)	2:42:B:LEU:HD13	2:45:B:PHE:HE1	19	0.35
(1,1607)	2:42:B:LEU:HD13	2:45:B:PHE:HE2	19	0.35
(1,1543)	2:42:A:LEU:HD13	2:82:A:ILE:HD12	7	0.35
(1,1465)	2:46:A:LEU:HD22	2:55:A:PHE:HE2	12	0.35
(1,1461)	2:46:A:LEU:HD21	2:39:A:THR:H	19	0.35
(1,1461)	2:46:A:LEU:HD22	2:39:A:THR:H	20	0.35
(1,1420)	2:49:B:ARG:HD3	2:46:B:LEU:HB2	1	0.35
(1,1362)	2:52:B:GLU:HG3	2:53:B:ALA:HB1	17	0.35
(1,1302)	2:54:B:ALA:HB2	2:55:B:PHE:H	6	0.35
(1,1283)	2:54:A:ALA:HB1	1:1897:C:GLN:HE22	7	0.35
(1,1270)	2:56:B:GLN:HB2	2:57:B:LYS:HB2	10	0.35
(1,1074)	2:59:B:MET:HE3	2:70:B:VAL:HG13	4	0.35
(1,1036)	2:59:A:MET:HE3	2:59:A:MET:HA	14	0.35
(1,1034)	2:59:A:MET:HE1	2:68:A:ASN:HB3	6	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1034)	2:59:A:MET:HE3	2:68:A:ASN:HB3	11	0.35
(1,1033)	2:59:A:MET:HE3	2:68:A:ASN:HB2	10	0.35
(1,1000)	2:60:B:SER:HB2	2:59:B:MET:HE1	5	0.35
(1,900)	2:62:A:LEU:HD11	2:61:A:ASN:HB3	4	0.35
(1,781)	2:70:B:VAL:HG21	2:62:B:LEU:HD22	8	0.35
(1,742)	2:70:A:VAL:HG22	2:58:A:LEU:HG	6	0.35
(1,742)	2:70:A:VAL:HG23	2:58:A:LEU:HG	13	0.35
(1,602)	2:77:B:VAL:HG11	2:77:B:VAL:HA	11	0.35
(1,602)	2:77:B:VAL:HG12	2:77:B:VAL:HA	18	0.35
(1,583)	2:77:A:VAL:HG22	1:1910:C:MET:HG2	6	0.35
(1,525)	2:79:B:LEU:HD21	2:82:B:ILE:HB	4	0.35
(1,525)	2:79:B:LEU:HD21	2:82:B:ILE:HB	19	0.35
(1,448)	2:79:A:LEU:HD11	2:76:A:CYS:HA	5	0.35
(1,448)	2:79:A:LEU:HD12	2:76:A:CYS:HA	20	0.35
(1,387)	2:82:B:ILE:HD11	2:82:B:ILE:HA	12	0.35
(1,315)	2:82:A:ILE:HD12	2:42:A:LEU:HD22	6	0.35
(1,248)	2:84:B:MET:HE1	2:80:B:SER:HB3	13	0.35
(1,246)	2:84:B:MET:HE2	1:1918:C:LYS:HE2	6	0.35
(1,174)	2:85:B:MET:HE2	2:85:B:MET:HA	2	0.35
(1,174)	2:85:B:MET:HE2	2:85:B:MET:HA	18	0.35
(1,146)	2:85:A:MET:HE2	1:1900:C:LEU:HA	18	0.35
(1,132)	2:85:A:MET:HE3	2:83:A:ALA:H	11	0.35
(1,132)	2:85:A:MET:HE3	2:83:A:ALA:H	15	0.35
(1,7005)	2:72:A:PHE:HE2	2:13:A:VAL:HG23	4	0.34
(1,7005)	2:72:A:PHE:HE1	2:13:A:VAL:HG21	12	0.34
(1,6949)	2:80:B:SER:H	2:79:B:LEU:HD21	18	0.34
(1,6828)	2:75:A:TYR:H	2:29:A:LEU:HD11	5	0.34
(1,6777)	2:34:A:LEU:H	2:59:A:MET:HE1	17	0.34
(1,6713)	2:23:B:GLU:H	2:23:B:GLU:HG3	7	0.34
(1,6656)	2:100:B:LYS:H	2:100:B:LYS:HA	19	0.34
(1,6612)	2:3:A:CYS:HB3	2:43:B:PRO:HD3	3	0.34
(1,6595)	2:5:B:LEU:HD23	2:78:A:PHE:HE2	15	0.34
(1,6595)	2:5:B:LEU:HD22	2:78:A:PHE:HE2	17	0.34
(1,6577)	2:6:B:GLU:HA	2:42:A:LEU:HD11	1	0.34
(1,6542)	2:8:A:ALA:HB2	2:12:A:MET:HB2	12	0.34
(1,6509)	2:9:B:LEU:HD11	2:6:B:GLU:HA	5	0.34
(1,6487)	2:11:A:VAL:HG12	2:4:B:PRO:HD2	18	0.34
(1,6461)	2:12:A:MET:HE3	2:76:A:CYS:H	8	0.34
(1,6460)	2:12:A:MET:HE2	2:9:A:LEU:H	6	0.34
(1,6428)	2:13:B:VAL:HG23	2:72:B:PHE:HZ	10	0.34
(1,6417)	2:13:A:VAL:HG23	2:91:B:GLU:HB2	14	0.34
(1,6402)	2:15:A:THR:HG22	2:37:A:LEU:H	15	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6399)	2:15:A:THR:HG23	2:41:A:GLU:HA	1	0.34
(1,6357)	2:22:B:LYS:HD3	2:23:B:GLU:H	11	0.34
(1,6322)	2:23:A:GLU:HB2	2:30:A:ASN:HD21	7	0.34
(1,6243)	2:29:B:LEU:HD11	2:34:B:LEU:HD22	18	0.34
(1,6239)	2:29:A:LEU:HD13	2:59:A:MET:HE1	13	0.34
(1,6215)	2:31:B:LYS:HD3	2:57:B:LYS:H	20	0.34
(1,6206)	2:32:A:SER:HB2	2:33:A:GLU:HG2	13	0.34
(1,6193)	2:34:B:LEU:HD23	2:37:B:LEU:HA	3	0.34
(1,6183)	2:34:A:LEU:HD23	2:38:A:LEU:HG	20	0.34
(1,6176)	2:34:A:LEU:HD12	2:33:A:GLU:HB2	4	0.34
(1,6161)	2:36:A:GLU:HG2	2:19:A:TYR:HE1	14	0.34
(1,6158)	2:88:B:GLU:HG3	2:87:B:ASN:HA	4	0.34
(1,6152)	2:37:B:LEU:HD23	2:19:B:TYR:HE2	5	0.34
(1,6138)	2:37:A:LEU:HD12	2:34:A:LEU:HD21	13	0.34
(1,6138)	2:37:A:LEU:HD13	2:34:A:LEU:HD21	15	0.34
(1,6136)	2:37:B:LEU:HD13	2:36:B:GLU:HB2	5	0.34
(1,6135)	2:37:A:LEU:HD13	2:41:A:GLU:HB2	12	0.34
(1,6135)	2:37:A:LEU:HD11	2:41:A:GLU:HB2	13	0.34
(1,6107)	2:38:B:LEU:HD13	2:34:B:LEU:HD13	19	0.34
(1,6099)	2:38:B:LEU:HD23	2:39:B:THR:HA	13	0.34
(1,6099)	2:38:B:LEU:HD22	2:39:B:THR:HA	20	0.34
(1,6087)	2:38:A:LEU:HD23	2:39:A:THR:HA	4	0.34
(1,6086)	2:38:A:LEU:HD22	2:55:A:PHE:HA	9	0.34
(1,6047)	2:42:B:LEU:HD13	2:79:B:LEU:HD22	20	0.34
(1,6006)	2:50:B:THR:HG22	2:35:B:LYS:HD2	12	0.34
(1,5994)	2:54:B:ALA:HB3	1:1926:C:LEU:HD13	11	0.34
(1,5981)	2:56:B:GLN:HG2	2:31:B:LYS:HD2	3	0.34
(1,5960)	2:59:B:MET:HE1	2:60:B:SER:HA	3	0.34
(1,5948)	2:59:A:MET:HE2	2:69:A:GLU:H	12	0.34
(1,5946)	2:59:A:MET:HE2	2:30:A:ASN:HB3	20	0.34
(1,5834)	2:77:B:VAL:HG12	2:62:B:LEU:HA	3	0.34
(1,5822)	2:77:A:VAL:HG11	2:73:A:GLN:HE22	4	0.34
(1,5822)	2:77:A:VAL:HG13	2:73:A:GLN:HE22	5	0.34
(1,5814)	2:79:B:LEU:HD13	2:9:A:LEU:HD21	20	0.34
(1,5788)	2:82:B:ILE:HG21	2:9:A:LEU:HD23	18	0.34
(1,5761)	2:83:A:ALA:HB3	2:80:A:SER:H	1	0.34
(1,5761)	2:83:A:ALA:HB2	2:80:A:SER:H	7	0.34
(1,5745)	2:85:B:MET:HE3	2:45:B:PHE:HB2	3	0.34
(1,5712)	1:1897:C:GLN:HG2	1:1898:C:ARG:H	15	0.34
(1,5684)	1:1900:C:LEU:HD21	2:82:A:ILE:HD13	5	0.34
(1,5684)	1:1900:C:LEU:HD22	2:82:A:ILE:HD13	5	0.34
(1,5684)	1:1900:C:LEU:HD23	2:82:A:ILE:HD13	5	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5661)	1:1900:C:LEU:HD13	2:45:A:PHE:HA	2	0.34
(1,5570)	1:1906:C:THR:HG21	1:1905:C:GLU:HG2	5	0.34
(1,5570)	1:1906:C:THR:HG22	1:1905:C:GLU:HG2	5	0.34
(1,5570)	1:1906:C:THR:HG23	1:1905:C:GLU:HG2	5	0.34
(1,5406)	1:1914:C:VAL:HG11	1:1918:C:LYS:HA	12	0.34
(1,5406)	1:1914:C:VAL:HG12	1:1918:C:LYS:HA	12	0.34
(1,5406)	1:1914:C:VAL:HG13	1:1918:C:LYS:HA	12	0.34
(1,5406)	1:1914:C:VAL:HG11	1:1918:C:LYS:HA	19	0.34
(1,5406)	1:1914:C:VAL:HG12	1:1918:C:LYS:HA	19	0.34
(1,5406)	1:1914:C:VAL:HG13	1:1918:C:LYS:HA	19	0.34
(1,5353)	1:1917:C:LEU:HD11	1:1920:C:LYS:HG3	13	0.34
(1,5353)	1:1917:C:LEU:HD12	1:1920:C:LYS:HG3	13	0.34
(1,5353)	1:1917:C:LEU:HD13	1:1920:C:LYS:HG3	13	0.34
(1,5163)	1:1930:C:VAL:HG11	2:85:B:MET:HE3	1	0.34
(1,5163)	1:1930:C:VAL:HG12	2:85:B:MET:HE3	1	0.34
(1,5163)	1:1930:C:VAL:HG13	2:85:B:MET:HE3	1	0.34
(1,5099)	1:1935:C:ALA:HB1	1:1933:C:ARG:HB3	14	0.34
(1,5099)	1:1935:C:ALA:HB2	1:1933:C:ARG:HB3	14	0.34
(1,5099)	1:1935:C:ALA:HB3	1:1933:C:ARG:HB3	14	0.34
(1,5075)	1:1900:C:LEU:H	1:1897:C:GLN:HG3	8	0.34
(1,5075)	1:1900:C:LEU:H	1:1897:C:GLN:HG3	15	0.34
(1,4994)	1:1910:C:MET:H	2:73:B:GLN:HB3	1	0.34
(1,4982)	1:1911:C:ASN:HD22	1:1915:C:SER:HA	14	0.34
(1,4982)	1:1911:C:ASN:HD22	1:1915:C:SER:HA	16	0.34
(1,4879)	1:1920:C:LYS:H	1:1926:C:LEU:HG	7	0.34
(1,4846)	1:1926:C:LEU:H	2:54:B:ALA:HA	12	0.34
(1,4718)	1:1898:C:ARG:H	1:1898:C:ARG:HB3	10	0.34
(1,4564)	1:1917:C:LEU:HD21	1:1917:C:LEU:HB3	6	0.34
(1,4564)	1:1917:C:LEU:HD22	1:1917:C:LEU:HB3	6	0.34
(1,4564)	1:1917:C:LEU:HD23	1:1917:C:LEU:HB3	6	0.34
(1,4412)	2:38:B:LEU:HD22	1:1928:C:PHE:HD2	11	0.34
(1,4191)	2:50:B:THR:HA	1:1928:C:PHE:HD2	19	0.34
(1,4155)	2:58:A:LEU:HD13	1:1903:C:ALA:H	11	0.34
(1,4120)	2:77:B:VAL:HG11	1:1917:C:LEU:H	7	0.34
(1,4086)	2:84:B:MET:HE2	1:1918:C:LYS:HD3	1	0.34
(1,4078)	2:84:A:MET:HE3	1:1910:C:MET:HB3	1	0.34
(1,4058)	2:85:B:MET:HE3	1:1930:C:VAL:HB	18	0.34
(1,4049)	2:85:A:MET:HE2	1:1899:C:GLU:H	4	0.34
(1,4046)	2:85:A:MET:HE2	1:1899:C:GLU:HB3	15	0.34
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD11	11	0.34
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD12	11	0.34
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD13	11	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD11	13	0.34
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD12	13	0.34
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD13	13	0.34
(1,3954)	2:77:B:VAL:HG11	1:1914:C:VAL:HG11	12	0.34
(1,3954)	2:77:B:VAL:HG11	1:1914:C:VAL:HG12	12	0.34
(1,3954)	2:77:B:VAL:HG11	1:1914:C:VAL:HG13	12	0.34
(1,3908)	2:38:A:LEU:HD13	1:1900:C:LEU:HB3	17	0.34
(1,3900)	2:62:A:LEU:HD22	1:1907:C:ALA:HB1	1	0.34
(1,3900)	2:62:A:LEU:HD22	1:1907:C:ALA:HB2	1	0.34
(1,3900)	2:62:A:LEU:HD22	1:1907:C:ALA:HB3	1	0.34
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD11	3	0.34
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD12	3	0.34
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD13	3	0.34
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD11	3	0.34
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD12	3	0.34
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD13	3	0.34
(1,3716)	2:89:B:PHE:H	2:101:B:LYS:HG2	8	0.34
(1,2618)	2:3:A:CYS:H	2:41:B:GLU:HG2	5	0.34
(1,2610)	2:2:A:ALA:H	2:2:B:ALA:HB1	3	0.34
(1,2554)	2:5:A:LEU:HD23	2:9:A:LEU:HD11	8	0.34
(1,2522)	2:5:B:LEU:HD21	2:9:B:LEU:H	6	0.34
(1,2514)	2:5:B:LEU:HD21	2:8:B:ALA:HB1	5	0.34
(1,2414)	2:9:B:LEU:HD22	2:82:A:ILE:HG22	1	0.34
(1,2390)	2:9:B:LEU:HD11	2:12:B:MET:HG3	12	0.34
(1,2383)	2:9:B:LEU:HD12	2:82:A:ILE:HG13	3	0.34
(1,2312)	2:12:A:MET:HE3	2:78:A:PHE:HD1	18	0.34
(1,2312)	2:12:A:MET:HE3	2:78:A:PHE:HD2	18	0.34
(1,2311)	2:12:A:MET:HE3	2:12:A:MET:HA	18	0.34
(1,2238)	2:13:A:VAL:HG22	2:17:A:HIS:HD2	6	0.34
(1,2229)	2:13:B:VAL:HG22	2:13:B:VAL:HA	2	0.34
(1,2216)	2:13:A:VAL:HG11	2:10:A:ASP:HA	7	0.34
(1,2045)	2:28:A:LYS:HA	2:75:A:TYR:HD1	12	0.34
(1,2045)	2:28:A:LYS:HA	2:75:A:TYR:HD2	12	0.34
(1,2039)	2:29:B:LEU:HD11	2:34:B:LEU:HA	2	0.34
(1,1951)	2:34:B:LEU:HD23	2:31:B:LYS:HA	10	0.34
(1,1937)	2:34:B:LEU:HD13	2:62:B:LEU:HD21	3	0.34
(1,1752)	2:38:B:LEU:HD11	1:1928:C:PHE:HZ	15	0.34
(1,1700)	2:38:A:LEU:HD22	2:55:A:PHE:HE1	5	0.34
(1,1700)	2:38:A:LEU:HD22	2:55:A:PHE:HE2	5	0.34
(1,1661)	2:39:A:THR:HG23	2:55:A:PHE:HE1	9	0.34
(1,1602)	2:42:B:LEU:HD11	2:6:A:GLU:HA	13	0.34
(1,1597)	2:42:B:LEU:HD11	2:43:B:PRO:HD3	4	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1362)	2:52:B:GLU:HG3	2:53:B:ALA:HB1	9	0.34
(1,1347)	2:52:A:GLU:HG2	2:35:A:LYS:HD3	12	0.34
(1,1311)	2:54:B:ALA:HB3	2:50:B:THR:HG21	10	0.34
(1,1201)	2:58:B:LEU:HD11	1:1928:C:PHE:HZ	18	0.34
(1,1085)	2:59:B:MET:HE1	2:31:B:LYS:HA	3	0.34
(1,1080)	2:59:B:MET:HE2	2:59:B:MET:HG2	2	0.34
(1,1080)	2:59:B:MET:HE3	2:59:B:MET:HG2	14	0.34
(1,1080)	2:59:B:MET:HE2	2:59:B:MET:HG2	16	0.34
(1,1049)	2:59:A:MET:HE2	2:71:A:ASP:H	3	0.34
(1,1049)	2:59:A:MET:HE3	2:71:A:ASP:H	15	0.34
(1,1044)	2:59:A:MET:HE2	2:59:A:MET:H	16	0.34
(1,1043)	2:59:A:MET:HE2	2:60:A:SER:H	12	0.34
(1,1036)	2:59:A:MET:HE2	2:59:A:MET:HA	1	0.34
(1,934)	2:62:B:LEU:HD12	2:61:B:ASN:HB3	15	0.34
(1,785)	2:70:B:VAL:HG21	2:29:B:LEU:HD13	3	0.34
(1,775)	2:70:B:VAL:HG22	2:59:B:MET:HE3	12	0.34
(1,744)	2:70:A:VAL:HG21	2:75:A:TYR:H	19	0.34
(1,610)	2:77:B:VAL:HG12	2:73:B:GLN:HG2	20	0.34
(1,602)	2:77:B:VAL:HG11	2:77:B:VAL:HA	8	0.34
(1,602)	2:77:B:VAL:HG12	2:77:B:VAL:HA	9	0.34
(1,602)	2:77:B:VAL:HG12	2:77:B:VAL:HA	10	0.34
(1,602)	2:77:B:VAL:HG12	2:77:B:VAL:HA	15	0.34
(1,525)	2:79:B:LEU:HD21	2:82:B:ILE:HB	2	0.34
(1,525)	2:79:B:LEU:HD21	2:82:B:ILE:HB	13	0.34
(1,472)	2:79:A:LEU:HD21	2:75:A:TYR:HE1	10	0.34
(1,472)	2:79:A:LEU:HD21	2:75:A:TYR:HE2	10	0.34
(1,387)	2:82:B:ILE:HD11	2:82:B:ILE:HA	11	0.34
(1,387)	2:82:B:ILE:HD12	2:82:B:ILE:HA	16	0.34
(1,387)	2:82:B:ILE:HD11	2:82:B:ILE:HA	20	0.34
(1,248)	2:84:B:MET:HE1	2:80:B:SER:HB3	9	0.34
(1,246)	2:84:B:MET:HE2	1:1918:C:LYS:HE3	8	0.34
(1,176)	2:85:B:MET:HE1	1:1928:C:PHE:H	11	0.34
(1,169)	2:85:B:MET:HE1	1:1922:C:ARG:HD2	8	0.34
(1,142)	2:85:A:MET:HE2	2:85:A:MET:HG3	5	0.34
(1,142)	2:85:A:MET:HE2	2:85:A:MET:HG3	12	0.34
(1,142)	2:85:A:MET:HE2	2:85:A:MET:HG3	17	0.34
(1,134)	2:85:A:MET:HE1	2:82:A:ILE:HD13	16	0.34
(1,132)	2:85:A:MET:HE3	2:83:A:ALA:H	10	0.34
(1,128)	2:85:A:MET:HE1	2:45:A:PHE:H	12	0.34
(1,128)	2:85:A:MET:HE1	2:45:A:PHE:H	13	0.34
(1,7018)	2:19:A:TYR:HE2	2:41:A:GLU:HB2	20	0.33
(1,6980)	2:78:B:PHE:HE2	2:34:B:LEU:HD13	20	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6975)	2:78:B:PHE:HD2	1:1921:C:LEU:HD12	17	0.33
(1,6949)	2:80:B:SER:H	2:82:B:ILE:HG13	11	0.33
(1,6947)	2:80:B:SER:H	1:1917:C:LEU:HD11	5	0.33
(1,6947)	2:80:B:SER:H	1:1917:C:LEU:HD11	18	0.33
(1,6922)	2:60:B:SER:H	2:58:B:LEU:HD12	12	0.33
(1,6828)	2:75:A:TYR:H	2:29:A:LEU:HD11	19	0.33
(1,6706)	2:23:A:GLU:H	2:26:A:LYS:HA	3	0.33
(1,6656)	2:100:A:LYS:H	2:100:A:LYS:HA	8	0.33
(1,6595)	2:5:B:LEU:HD23	2:78:A:PHE:HE2	6	0.33
(1,6595)	2:5:B:LEU:HD22	2:78:A:PHE:HE2	9	0.33
(1,6592)	2:5:B:LEU:HD23	2:79:A:LEU:HG	13	0.33
(1,6573)	2:6:B:GLU:HA	2:43:A:PRO:HD3	9	0.33
(1,6555)	2:8:A:ALA:HB3	2:6:A:GLU:HA	17	0.33
(1,6474)	2:11:A:VAL:HG13	2:11:A:VAL:HG21	14	0.33
(1,6461)	2:12:A:MET:HE3	2:76:A:CYS:H	9	0.33
(1,6360)	2:21:B:GLY:HA2	2:26:B:LYS:HD2	20	0.33
(1,6250)	2:28:B:LYS:HB3	2:29:B:LEU:HB2	18	0.33
(1,6215)	2:31:B:LYS:HD3	2:57:B:LYS:H	18	0.33
(1,6207)	2:32:B:SER:HB2	2:33:B:GLU:HG3	7	0.33
(1,6195)	2:33:B:GLU:HA	2:37:B:LEU:HD13	15	0.33
(1,6158)	2:88:B:GLU:HG3	2:87:B:ASN:HA	2	0.33
(1,6107)	2:38:B:LEU:HD11	2:34:B:LEU:HD13	1	0.33
(1,6099)	2:38:B:LEU:HD23	2:39:B:THR:HA	4	0.33
(1,6099)	2:38:B:LEU:HD23	2:39:B:THR:HA	15	0.33
(1,6087)	2:38:A:LEU:HD23	2:39:A:THR:HA	15	0.33
(1,6087)	2:38:A:LEU:HD22	2:39:A:THR:HA	20	0.33
(1,6071)	2:39:B:THR:HG21	2:38:B:LEU:HB3	10	0.33
(1,6063)	2:40:B:ARG:HD3	2:39:B:THR:HG22	14	0.33
(1,6048)	2:42:B:LEU:HD21	2:79:B:LEU:HD22	16	0.33
(1,6022)	2:46:B:LEU:HD23	1:1928:C:PHE:HD1	1	0.33
(1,6019)	2:46:A:LEU:HD22	2:55:A:PHE:HA	16	0.33
(1,5949)	2:59:A:MET:HE2	2:30:A:ASN:H	11	0.33
(1,5949)	2:59:A:MET:HE1	2:30:A:ASN:H	14	0.33
(1,5948)	2:59:A:MET:HE3	2:69:A:GLU:H	14	0.33
(1,5948)	2:59:A:MET:HE1	2:69:A:GLU:H	16	0.33
(1,5946)	2:59:A:MET:HE1	2:30:A:ASN:HB3	18	0.33
(1,5929)	2:62:B:LEU:HD13	1:1918:C:LYS:HA	9	0.33
(1,5921)	2:62:B:LEU:HD21	1:1917:C:LEU:HD22	10	0.33
(1,5804)	2:79:A:LEU:HD22	2:12:B:MET:HE2	12	0.33
(1,5791)	2:82:B:ILE:HD12	2:58:B:LEU:HD11	3	0.33
(1,5748)	2:85:B:MET:HE2	2:81:B:CYS:H	17	0.33
(1,5745)	2:85:B:MET:HE3	2:86:B:CYS:HB2	15	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5741)	2:85:A:MET:HE1	2:58:A:LEU:HD22	9	0.33
(1,5496)	1:1910:C:MET:HE2	2:80:A:SER:HB3	3	0.33
(1,5496)	1:1910:C:MET:HE1	2:80:A:SER:HB3	19	0.33
(1,5486)	1:1910:C:MET:HE3	2:77:B:VAL:HG13	1	0.33
(1,5486)	1:1910:C:MET:HE3	2:77:B:VAL:HG11	2	0.33
(1,5482)	1:1910:C:MET:HG3	2:73:B:GLN:HB3	1	0.33
(1,5482)	1:1910:C:MET:HG3	2:73:B:GLN:HB3	12	0.33
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG21	3	0.33
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG22	3	0.33
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG23	3	0.33
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG21	19	0.33
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG22	19	0.33
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG23	19	0.33
(1,5391)	1:1914:C:VAL:HG11	2:77:B:VAL:HB	4	0.33
(1,5353)	1:1917:C:LEU:HD11	1:1920:C:LYS:HG3	9	0.33
(1,5353)	1:1917:C:LEU:HD12	1:1920:C:LYS:HG3	9	0.33
(1,5353)	1:1917:C:LEU:HD13	1:1920:C:LYS:HG3	9	0.33
(1,5287)	1:1921:C:LEU:HD21	1:1917:C:LEU:HD21	9	0.33
(1,5287)	1:1921:C:LEU:HD21	1:1917:C:LEU:HD22	9	0.33
(1,5287)	1:1921:C:LEU:HD21	1:1917:C:LEU:HD23	9	0.33
(1,5287)	1:1921:C:LEU:HD22	1:1917:C:LEU:HD21	9	0.33
(1,5287)	1:1921:C:LEU:HD22	1:1917:C:LEU:HD22	9	0.33
(1,5287)	1:1921:C:LEU:HD22	1:1917:C:LEU:HD23	9	0.33
(1,5287)	1:1921:C:LEU:HD23	1:1917:C:LEU:HD21	9	0.33
(1,5287)	1:1921:C:LEU:HD23	1:1917:C:LEU:HD22	9	0.33
(1,5287)	1:1921:C:LEU:HD23	1:1917:C:LEU:HD23	9	0.33
(1,5163)	1:1930:C:VAL:HG11	2:85:B:MET:HE3	2	0.33
(1,5163)	1:1930:C:VAL:HG12	2:85:B:MET:HE3	2	0.33
(1,5163)	1:1930:C:VAL:HG13	2:85:B:MET:HE3	2	0.33
(1,5143)	1:1930:C:VAL:HG11	1:1929:C:VAL:HA	14	0.33
(1,4994)	1:1910:C:MET:H	2:73:B:GLN:HB3	6	0.33
(1,4846)	1:1926:C:LEU:H	2:54:B:ALA:HA	2	0.33
(1,4718)	1:1898:C:ARG:H	1:1898:C:ARG:HB3	4	0.33
(1,4594)	1:1914:C:VAL:H	1:1918:C:LYS:HB3	1	0.33
(1,4594)	1:1914:C:VAL:H	1:1918:C:LYS:HB3	7	0.33
(1,4589)	1:1918:C:LYS:HD2	1:1915:C:SER:HB2	15	0.33
(1,4485)	1:1926:C:LEU:HG	1:1924:C:GLY:H	18	0.33
(1,4411)	2:46:B:LEU:HD11	1:1928:C:PHE:HD2	12	0.33
(1,4392)	1:1928:C:PHE:HZ	1:1930:C:VAL:HG22	12	0.33
(1,4120)	2:77:B:VAL:HG12	1:1917:C:LEU:H	11	0.33
(1,4092)	2:84:B:MET:HE3	1:1911:C:ASN:HA	7	0.33
(1,4092)	2:84:B:MET:HE3	1:1911:C:ASN:HA	17	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4092)	2:84:B:MET:HE3	1:1911:C:ASN:HA	20	0.33
(1,4078)	2:84:A:MET:HE3	1:1910:C:MET:HB3	12	0.33
(1,4062)	2:85:B:MET:HE1	1:1922:C:ARG:HD3	9	0.33
(1,4055)	2:85:B:MET:HE2	1:1918:C:LYS:HG2	9	0.33
(1,4055)	2:85:B:MET:HE2	1:1918:C:LYS:HG2	16	0.33
(1,4049)	2:85:A:MET:HE2	1:1899:C:GLU:H	7	0.33
(1,4049)	2:85:A:MET:HE2	1:1899:C:GLU:H	9	0.33
(1,4049)	2:85:A:MET:HE2	1:1899:C:GLU:H	16	0.33
(1,4028)	2:82:B:ILE:HG22	1:1926:C:LEU:HD11	15	0.33
(1,4028)	2:82:B:ILE:HG22	1:1926:C:LEU:HD12	15	0.33
(1,4028)	2:82:B:ILE:HG22	1:1926:C:LEU:HD13	15	0.33
(1,4028)	2:82:B:ILE:HG23	1:1926:C:LEU:HD11	20	0.33
(1,4028)	2:82:B:ILE:HG23	1:1926:C:LEU:HD12	20	0.33
(1,4028)	2:82:B:ILE:HG23	1:1926:C:LEU:HD13	20	0.33
(1,4027)	2:82:B:ILE:HG21	1:1929:C:VAL:HG11	3	0.33
(1,4027)	2:82:B:ILE:HG21	1:1929:C:VAL:HG12	3	0.33
(1,4027)	2:82:B:ILE:HG21	1:1929:C:VAL:HG13	3	0.33
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG21	5	0.33
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG22	5	0.33
(1,4026)	2:82:B:ILE:HD11	1:1929:C:VAL:HG23	5	0.33
(1,4025)	2:82:B:ILE:HD12	1:1929:C:VAL:HG11	10	0.33
(1,4025)	2:82:B:ILE:HD12	1:1929:C:VAL:HG12	10	0.33
(1,4025)	2:82:B:ILE:HD12	1:1929:C:VAL:HG13	10	0.33
(1,4005)	2:58:B:LEU:HD23	1:1928:C:PHE:HB2	4	0.33
(1,3874)	2:45:A:PHE:HD1	2:85:A:MET:HE1	1	0.33
(1,3874)	2:45:A:PHE:HD2	2:85:A:MET:HE1	1	0.33
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD11	4	0.33
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD12	4	0.33
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD13	4	0.33
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD11	4	0.33
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD12	4	0.33
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD13	4	0.33
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD11	17	0.33
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD12	17	0.33
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD13	17	0.33
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD11	17	0.33
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD12	17	0.33
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD13	17	0.33
(1,3750)	2:93:B:PHE:H	2:101:B:LYS:HG2	17	0.33
(1,2988)	2:61:A:ASN:H	2:62:A:LEU:HD22	5	0.33
(1,2756)	2:28:A:LYS:H	2:28:A:LYS:HD3	18	0.33
(1,2728)	2:21:B:GLY:H	2:26:B:LYS:HD3	19	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2610)	2:2:A:ALA:H	2:2:B:ALA:HB1	2	0.33
(1,2554)	2:5:A:LEU:HD23	2:9:A:LEU:HD13	2	0.33
(1,2554)	2:5:A:LEU:HD21	2:9:A:LEU:HD12	15	0.33
(1,2522)	2:5:B:LEU:HD21	2:9:B:LEU:H	16	0.33
(1,2414)	2:9:B:LEU:HD23	2:82:A:ILE:HG22	5	0.33
(1,2383)	2:9:B:LEU:HD13	2:82:A:ILE:HG13	9	0.33
(1,2383)	2:9:B:LEU:HD13	2:82:A:ILE:HG13	11	0.33
(1,2312)	2:12:A:MET:HE3	2:78:A:PHE:HD1	19	0.33
(1,2312)	2:12:A:MET:HE3	2:78:A:PHE:HD2	19	0.33
(1,2279)	2:12:B:MET:HE2	2:83:A:ALA:H	13	0.33
(1,2279)	2:12:B:MET:HE2	2:83:A:ALA:H	17	0.33
(1,2233)	2:13:A:VAL:HG21	2:87:B:ASN:H	1	0.33
(1,2233)	2:13:A:VAL:HG21	2:87:B:ASN:H	8	0.33
(1,2229)	2:13:B:VAL:HG21	2:13:B:VAL:HA	5	0.33
(1,2229)	2:13:B:VAL:HG21	2:13:B:VAL:HA	6	0.33
(1,2229)	2:13:B:VAL:HG21	2:13:B:VAL:HA	16	0.33
(1,2180)	2:15:B:THR:HG23	2:37:B:LEU:HD23	16	0.33
(1,1752)	2:38:B:LEU:HD11	1:1928:C:PHE:HZ	2	0.33
(1,1752)	2:38:B:LEU:HD13	1:1928:C:PHE:HZ	7	0.33
(1,1736)	2:38:B:LEU:HD22	2:38:B:LEU:HA	1	0.33
(1,1691)	2:38:A:LEU:HD22	2:39:A:THR:H	15	0.33
(1,1671)	2:39:B:THR:HG22	2:40:B:ARG:HD3	14	0.33
(1,1597)	2:42:B:LEU:HD11	2:43:B:PRO:HD3	16	0.33
(1,1201)	2:58:B:LEU:HD11	1:1928:C:PHE:HZ	3	0.33
(1,1201)	2:58:B:LEU:HD13	1:1928:C:PHE:HZ	19	0.33
(1,1158)	2:58:A:LEU:HD13	2:62:A:LEU:HD21	6	0.33
(1,1155)	2:58:A:LEU:HD22	2:85:A:MET:HE1	9	0.33
(1,1142)	2:58:A:LEU:HD12	1:1904:C:THR:HG21	1	0.33
(1,1142)	2:58:A:LEU:HD12	1:1904:C:THR:HG22	1	0.33
(1,1142)	2:58:A:LEU:HD12	1:1904:C:THR:HG23	1	0.33
(1,1082)	2:59:B:MET:HE2	2:68:B:ASN:HB3	11	0.33
(1,1027)	2:59:A:MET:HE1	2:62:A:LEU:HD21	17	0.33
(1,961)	2:62:B:LEU:HD22	2:78:B:PHE:H	5	0.33
(1,956)	2:62:B:LEU:HD13	2:78:B:PHE:HZ	12	0.33
(1,602)	2:77:B:VAL:HG11	2:77:B:VAL:HA	17	0.33
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE1	16	0.33
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE2	16	0.33
(1,448)	2:79:A:LEU:HD11	2:76:A:CYS:HA	3	0.33
(1,387)	2:82:B:ILE:HD11	2:82:B:ILE:HA	3	0.33
(1,387)	2:82:B:ILE:HD11	2:82:B:ILE:HA	17	0.33
(1,359)	2:82:B:ILE:HD11	1:1928:C:PHE:HD1	9	0.33
(1,359)	2:82:B:ILE:HD11	1:1928:C:PHE:HD2	9	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,309)	2:82:A:ILE:HG23	2:83:A:ALA:HB2	17	0.33
(1,276)	2:83:A:ALA:HB2	2:82:A:ILE:HG23	17	0.33
(1,254)	2:84:B:MET:HE1	2:81:B:CYS:H	14	0.33
(1,253)	2:84:B:MET:HE2	2:73:A:GLN:HE22	20	0.33
(1,248)	2:84:B:MET:HE1	2:80:B:SER:HB3	14	0.33
(1,174)	2:85:B:MET:HE2	2:85:B:MET:HA	5	0.33
(1,174)	2:85:B:MET:HE2	2:85:B:MET:HA	8	0.33
(1,174)	2:85:B:MET:HE2	2:85:B:MET:HA	15	0.33
(1,146)	2:85:A:MET:HE2	1:1900:C:LEU:HA	13	0.33
(1,146)	2:85:A:MET:HE2	1:1900:C:LEU:HA	14	0.33
(1,142)	2:85:A:MET:HE2	2:85:A:MET:HG3	18	0.33
(1,132)	2:85:A:MET:HE3	2:83:A:ALA:H	12	0.33
(1,7003)	2:72:B:PHE:HE1	2:83:A:ALA:HB2	3	0.32
(1,6704)	2:23:A:GLU:H	2:30:A:ASN:HD21	1	0.32
(1,6695)	2:99:A:ARG:H	2:98:A:PRO:HA	14	0.32
(1,6656)	2:100:B:LYS:H	2:100:B:LYS:HA	17	0.32
(1,6542)	2:8:B:ALA:HB3	2:12:A:MET:HB2	20	0.32
(1,6474)	2:11:B:VAL:HG11	2:11:B:VAL:HG21	11	0.32
(1,6472)	2:11:A:VAL:HA	2:8:B:ALA:HB3	12	0.32
(1,6455)	2:12:A:MET:HE3	2:76:A:CYS:HA	7	0.32
(1,6436)	2:12:B:MET:HE2	2:9:B:LEU:HD13	7	0.32
(1,6428)	2:13:B:VAL:HG23	2:72:B:PHE:HZ	4	0.32
(1,6428)	2:13:A:VAL:HG23	2:72:A:PHE:HZ	15	0.32
(1,6209)	2:32:A:SER:HB3	2:30:A:ASN:HD21	15	0.32
(1,6161)	2:36:A:GLU:HG2	2:19:A:TYR:HE1	6	0.32
(1,6161)	2:36:A:GLU:HG2	2:19:A:TYR:HE1	15	0.32
(1,6129)	2:37:B:LEU:HD12	2:75:B:TYR:HD2	8	0.32
(1,6107)	2:38:B:LEU:HD13	2:34:B:LEU:HD13	12	0.32
(1,6071)	2:39:B:THR:HG22	2:38:B:LEU:HB3	17	0.32
(1,6022)	2:46:B:LEU:HD22	1:1928:C:PHE:HD1	7	0.32
(1,6022)	2:46:B:LEU:HD21	1:1928:C:PHE:HD2	9	0.32
(1,5943)	2:59:A:MET:HE2	2:58:A:LEU:HG	5	0.32
(1,5899)	2:29:B:LEU:HD23	2:19:B:TYR:HB3	6	0.32
(1,5897)	2:62:A:LEU:HD23	2:59:A:MET:HE2	5	0.32
(1,5834)	2:77:B:VAL:HG11	2:62:B:LEU:HA	1	0.32
(1,5834)	2:77:B:VAL:HG13	1:1910:C:MET:HA	10	0.32
(1,5834)	2:77:B:VAL:HG12	2:62:B:LEU:HA	18	0.32
(1,5831)	2:77:B:VAL:HG13	2:73:B:GLN:HE22	8	0.32
(1,5831)	2:77:B:VAL:HG11	2:73:B:GLN:HE22	19	0.32
(1,5815)	2:79:B:LEU:HD21	2:9:A:LEU:HD21	12	0.32
(1,5781)	2:82:A:ILE:HD11	2:42:A:LEU:HB2	20	0.32
(1,5764)	2:83:A:ALA:HB3	2:72:B:PHE:HE1	6	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5755)	2:84:B:MET:HE1	2:76:A:CYS:HB3	2	0.32
(1,5486)	1:1910:C:MET:HE1	2:77:B:VAL:HG13	17	0.32
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG21	5	0.32
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG22	5	0.32
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG23	5	0.32
(1,5323)	1:1918:C:LYS:HB3	1:1917:C:LEU:HA	16	0.32
(1,5075)	1:1900:C:LEU:H	1:1897:C:GLN:HG3	9	0.32
(1,4982)	1:1911:C:ASN:HD22	1:1915:C:SER:HA	8	0.32
(1,4982)	1:1911:C:ASN:HD22	1:1915:C:SER:HA	18	0.32
(1,4982)	1:1911:C:ASN:HD22	1:1915:C:SER:HA	19	0.32
(1,4882)	1:1920:C:LYS:H	1:1923:C:ARG:HB3	16	0.32
(1,4879)	1:1920:C:LYS:H	1:1926:C:LEU:HG	18	0.32
(1,4795)	1:1933:C:ARG:H	1:1933:C:ARG:HG2	3	0.32
(1,4718)	1:1898:C:ARG:H	1:1898:C:ARG:HB3	2	0.32
(1,4718)	1:1898:C:ARG:H	1:1898:C:ARG:HB3	5	0.32
(1,4718)	1:1898:C:ARG:H	1:1898:C:ARG:HB3	12	0.32
(1,4718)	1:1898:C:ARG:H	1:1898:C:ARG:HB3	19	0.32
(1,4484)	2:57:B:LYS:HD3	1:1924:C:GLY:H	16	0.32
(1,4392)	1:1928:C:PHE:HZ	1:1930:C:VAL:HG22	18	0.32
(1,4086)	2:84:B:MET:HE2	1:1918:C:LYS:HD3	7	0.32
(1,4062)	2:85:B:MET:HE1	1:1922:C:ARG:HD3	6	0.32
(1,4049)	2:85:A:MET:HE2	1:1899:C:GLU:H	20	0.32
(1,4011)	2:46:B:LEU:HD11	1:1928:C:PHE:HD1	6	0.32
(1,4011)	2:46:B:LEU:HD11	1:1928:C:PHE:HD2	6	0.32
(1,3886)	2:82:A:ILE:HD11	1:1900:C:LEU:HD21	4	0.32
(1,3886)	2:82:A:ILE:HD11	1:1900:C:LEU:HD22	4	0.32
(1,3886)	2:82:A:ILE:HD11	1:1900:C:LEU:HD23	4	0.32
(1,3870)	2:45:B:PHE:HD1	2:42:B:LEU:HD13	19	0.32
(1,3870)	2:45:B:PHE:HD2	2:42:B:LEU:HD13	19	0.32
(1,2743)	2:27:A:PHE:H	2:27:A:PHE:HD1	9	0.32
(1,2743)	2:27:A:PHE:H	2:27:A:PHE:HD2	9	0.32
(1,2610)	2:2:A:ALA:H	2:2:B:ALA:HB2	9	0.32
(1,2522)	2:5:B:LEU:HD21	2:9:B:LEU:H	8	0.32
(1,2519)	2:5:B:LEU:HD22	2:79:A:LEU:HD21	3	0.32
(1,2517)	2:5:B:LEU:HD23	2:9:B:LEU:HD13	9	0.32
(1,2495)	2:5:B:LEU:HD12	2:6:B:GLU:HA	7	0.32
(1,2390)	2:9:B:LEU:HD13	2:12:B:MET:HG3	8	0.32
(1,2383)	2:9:B:LEU:HD13	2:82:A:ILE:HG13	10	0.32
(1,2311)	2:12:A:MET:HE3	2:12:A:MET:HA	11	0.32
(1,2258)	2:12:B:MET:HG3	2:5:A:LEU:HD21	16	0.32
(1,2238)	2:13:A:VAL:HG22	2:17:A:HIS:HD2	7	0.32
(1,2238)	2:13:A:VAL:HG22	2:17:A:HIS:HD2	10	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2236)	2:13:A:VAL:HG22	2:90:B:PHE:H	9	0.32
(1,2229)	2:13:B:VAL:HG22	2:13:B:VAL:HA	1	0.32
(1,2229)	2:13:B:VAL:HG22	2:13:B:VAL:HA	4	0.32
(1,2229)	2:13:B:VAL:HG23	2:13:B:VAL:HA	20	0.32
(1,2221)	2:13:A:VAL:HG12	2:86:B:CYS:HB3	9	0.32
(1,2039)	2:29:B:LEU:HD11	2:34:B:LEU:HA	6	0.32
(1,1951)	2:34:B:LEU:HD22	2:31:B:LYS:HA	4	0.32
(1,1940)	2:34:B:LEU:HD13	2:59:B:MET:H	7	0.32
(1,1914)	2:34:A:LEU:HD22	2:31:A:LYS:HA	4	0.32
(1,1914)	2:34:A:LEU:HD23	2:31:A:LYS:HA	10	0.32
(1,1771)	2:37:A:LEU:HD13	2:16:A:PHE:HA	8	0.32
(1,1705)	2:38:A:LEU:HD11	2:50:A:THR:HB	5	0.32
(1,1705)	2:38:A:LEU:HD12	2:50:A:THR:HB	12	0.32
(1,1695)	2:38:A:LEU:HD13	2:42:A:LEU:H	8	0.32
(1,1591)	2:42:B:LEU:HD11	2:6:A:GLU:HB2	7	0.32
(1,1566)	2:42:A:LEU:HD13	2:75:A:TYR:HE1	14	0.32
(1,1566)	2:42:A:LEU:HD13	2:75:A:TYR:HE2	14	0.32
(1,1459)	2:46:A:LEU:HD12	2:47:A:GLY:H	12	0.32
(1,1346)	2:52:A:GLU:HG2	2:53:A:ALA:HB2	16	0.32
(1,1201)	2:58:B:LEU:HD11	1:1928:C:PHE:HZ	11	0.32
(1,1157)	2:58:A:LEU:HD22	2:45:A:PHE:HB3	3	0.32
(1,1092)	2:59:B:MET:HE2	2:61:B:ASN:H	14	0.32
(1,1085)	2:59:B:MET:HE2	2:31:B:LYS:HA	20	0.32
(1,1077)	2:59:B:MET:HE1	2:31:B:LYS:HG2	18	0.32
(1,1074)	2:59:B:MET:HE3	2:70:B:VAL:HG11	9	0.32
(1,1070)	2:59:B:MET:HE1	2:62:B:LEU:HD22	15	0.32
(1,1051)	2:59:A:MET:HE2	2:68:A:ASN:H	6	0.32
(1,1046)	2:59:A:MET:HE3	2:67:A:ASP:H	7	0.32
(1,1037)	2:59:A:MET:HE2	2:68:A:ASN:HA	15	0.32
(1,1030)	2:59:A:MET:HE3	2:70:A:VAL:HG13	3	0.32
(1,1030)	2:59:A:MET:HE1	2:70:A:VAL:HG12	7	0.32
(1,934)	2:62:B:LEU:HD12	2:61:B:ASN:HB3	12	0.32
(1,917)	2:29:A:LEU:HD21	2:20:A:SER:HA	10	0.32
(1,785)	2:70:B:VAL:HG21	2:29:B:LEU:HD11	6	0.32
(1,558)	2:77:A:VAL:HG22	1:1910:C:MET:H	9	0.32
(1,525)	2:79:B:LEU:HD21	2:82:B:ILE:HB	20	0.32
(1,511)	2:79:B:LEU:HD13	2:12:B:MET:HG3	11	0.32
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE1	1	0.32
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE2	1	0.32
(1,472)	2:79:A:LEU:HD21	2:75:A:TYR:HE1	8	0.32
(1,472)	2:79:A:LEU:HD21	2:75:A:TYR:HE2	8	0.32
(1,472)	2:79:A:LEU:HD23	2:75:A:TYR:HE1	20	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,472)	2:79:A:LEU:HD23	2:75:A:TYR:HE2	20	0.32
(1,448)	2:79:A:LEU:HD12	2:76:A:CYS:HA	7	0.32
(1,315)	2:82:A:ILE:HD13	2:42:A:LEU:HD21	15	0.32
(1,309)	2:82:A:ILE:HG23	2:83:A:ALA:HB2	14	0.32
(1,286)	2:83:A:ALA:HA	2:9:B:LEU:HD22	18	0.32
(1,276)	2:83:A:ALA:HB2	2:82:A:ILE:HG23	14	0.32
(1,248)	2:84:B:MET:HE1	2:80:B:SER:HB3	3	0.32
(1,248)	2:84:B:MET:HE1	2:80:B:SER:HB3	8	0.32
(1,248)	2:84:B:MET:HE1	2:80:B:SER:HB3	10	0.32
(1,248)	2:84:B:MET:HE1	2:80:B:SER:HB3	12	0.32
(1,248)	2:84:B:MET:HE1	2:80:B:SER:HB3	19	0.32
(1,246)	2:84:B:MET:HE2	1:1918:C:LYS:HE3	11	0.32
(1,209)	2:84:A:MET:HE1	2:73:B:GLN:HA	13	0.32
(1,207)	2:84:A:MET:HE1	2:81:A:CYS:HG	7	0.32
(1,149)	2:85:A:MET:HE1	2:45:A:PHE:HA	1	0.32
(1,149)	2:85:A:MET:HE1	2:45:A:PHE:HA	14	0.32
(1,142)	2:85:A:MET:HE2	2:85:A:MET:HG3	19	0.32
(1,134)	2:85:A:MET:HE1	2:82:A:ILE:HD13	9	0.32
(1,132)	2:85:A:MET:HE3	2:83:A:ALA:H	3	0.32
(1,132)	2:85:A:MET:HE3	2:83:A:ALA:H	14	0.32
(1,132)	2:85:A:MET:HE3	2:83:A:ALA:H	20	0.32
(1,7018)	2:19:A:TYR:HE2	2:41:A:GLU:HB2	15	0.31
(1,6996)	2:72:A:PHE:HZ	2:13:A:VAL:HA	9	0.31
(1,6949)	2:80:B:SER:H	2:79:B:LEU:HD21	3	0.31
(1,6949)	2:80:B:SER:H	2:79:B:LEU:HD21	15	0.31
(1,6809)	2:61:A:ASN:H	2:59:A:MET:HB2	14	0.31
(1,6713)	2:23:A:GLU:H	2:23:A:GLU:HG3	3	0.31
(1,6644)	2:4:B:PRO:HG2	2:11:A:VAL:HG22	5	0.31
(1,6612)	2:3:A:CYS:HB3	2:43:B:PRO:HD3	6	0.31
(1,6595)	2:5:B:LEU:HD22	2:78:A:PHE:HE2	10	0.31
(1,6595)	2:5:B:LEU:HD23	2:78:A:PHE:HE2	14	0.31
(1,6577)	2:6:B:GLU:HA	2:42:A:LEU:HD11	12	0.31
(1,6577)	2:6:B:GLU:HA	2:42:A:LEU:HD11	16	0.31
(1,6537)	2:8:A:ALA:HB2	2:12:B:MET:HG3	1	0.31
(1,6474)	2:11:B:VAL:HG12	2:11:B:VAL:HG22	15	0.31
(1,6448)	2:12:A:MET:HE1	2:9:A:LEU:HD23	10	0.31
(1,6402)	2:15:A:THR:HG22	2:37:A:LEU:H	8	0.31
(1,6360)	2:21:B:GLY:HA2	2:26:B:LYS:HD3	5	0.31
(1,6270)	2:27:A:PHE:HA	2:75:A:TYR:HD2	2	0.31
(1,6243)	2:29:B:LEU:HD11	2:34:B:LEU:HD22	19	0.31
(1,6235)	2:29:A:LEU:HD11	2:34:A:LEU:H	16	0.31
(1,6195)	2:33:B:GLU:HA	2:37:B:LEU:HD12	20	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6176)	2:34:A:LEU:HD12	2:33:A:GLU:HB2	10	0.31
(1,6144)	2:37:B:LEU:HD11	2:12:B:MET:HA	11	0.31
(1,6107)	2:38:B:LEU:HD12	2:34:B:LEU:HD13	8	0.31
(1,6107)	2:38:B:LEU:HD13	2:34:B:LEU:HD13	9	0.31
(1,6092)	2:38:A:LEU:HD21	2:42:A:LEU:HG	6	0.31
(1,6047)	2:42:B:LEU:HD13	2:79:B:LEU:HD22	11	0.31
(1,6022)	2:46:B:LEU:HD22	1:1928:C:PHE:HD1	4	0.31
(1,5981)	2:56:B:GLN:HG3	2:57:B:LYS:HD3	17	0.31
(1,5929)	2:62:B:LEU:HD12	1:1918:C:LYS:HA	18	0.31
(1,5925)	2:62:B:LEU:HD13	2:58:B:LEU:HG	10	0.31
(1,5815)	2:79:B:LEU:HD21	2:9:A:LEU:HD23	2	0.31
(1,5788)	2:82:B:ILE:HG21	2:42:B:LEU:HD22	20	0.31
(1,5765)	2:83:B:ALA:HB3	2:72:A:PHE:HZ	7	0.31
(1,5745)	2:85:B:MET:HE3	2:86:B:CYS:HB2	20	0.31
(1,5712)	1:1897:C:GLN:HG2	1:1898:C:ARG:H	11	0.31
(1,5485)	1:1910:C:MET:HE3	1:1914:C:VAL:HG22	3	0.31
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG21	6	0.31
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG22	6	0.31
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG23	6	0.31
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG21	9	0.31
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG22	9	0.31
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG23	9	0.31
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG21	13	0.31
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG22	13	0.31
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG23	13	0.31
(1,5353)	1:1917:C:LEU:HD11	1:1920:C:LYS:HG3	10	0.31
(1,5353)	1:1917:C:LEU:HD12	1:1920:C:LYS:HG3	10	0.31
(1,5353)	1:1917:C:LEU:HD13	1:1920:C:LYS:HG3	10	0.31
(1,5163)	1:1930:C:VAL:HG11	2:85:B:MET:HE3	16	0.31
(1,5163)	1:1930:C:VAL:HG12	2:85:B:MET:HE3	16	0.31
(1,5163)	1:1930:C:VAL:HG13	2:85:B:MET:HE3	16	0.31
(1,5143)	1:1930:C:VAL:HG11	2:89:B:PHE:HA	13	0.31
(1,5075)	1:1900:C:LEU:H	1:1897:C:GLN:HG2	5	0.31
(1,5075)	1:1900:C:LEU:H	1:1897:C:GLN:HG3	11	0.31
(1,5053)	1:1904:C:THR:H	1:1902:C:ASP:HB3	7	0.31
(1,4994)	1:1910:C:MET:H	2:73:B:GLN:HB3	7	0.31
(1,4994)	1:1910:C:MET:H	2:73:B:GLN:HB3	9	0.31
(1,4882)	1:1920:C:LYS:H	1:1918:C:LYS:HB3	5	0.31
(1,4860)	1:1923:C:ARG:H	1:1922:C:ARG:HD3	14	0.31
(1,4718)	1:1898:C:ARG:H	1:1898:C:ARG:HB3	14	0.31
(1,4617)	1:1913:C:GLU:HG3	1:1914:C:VAL:HG12	9	0.31
(1,4617)	2:81:B:CYS:HB3	1:1917:C:LEU:HD12	10	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4617)	2:81:B:CYS:HB3	1:1917:C:LEU:HD13	13	0.31
(1,4594)	1:1914:C:VAL:H	1:1918:C:LYS:HB3	2	0.31
(1,4594)	1:1914:C:VAL:H	1:1918:C:LYS:HB3	3	0.31
(1,4564)	1:1917:C:LEU:HD21	1:1917:C:LEU:HB3	12	0.31
(1,4564)	1:1917:C:LEU:HD22	1:1917:C:LEU:HB3	12	0.31
(1,4564)	1:1917:C:LEU:HD23	1:1917:C:LEU:HB3	12	0.31
(1,4564)	1:1917:C:LEU:HD21	1:1917:C:LEU:HB3	18	0.31
(1,4564)	1:1917:C:LEU:HD22	1:1917:C:LEU:HB3	18	0.31
(1,4564)	1:1917:C:LEU:HD23	1:1917:C:LEU:HB3	18	0.31
(1,4484)	2:57:B:LYS:HD3	1:1924:C:GLY:H	1	0.31
(1,4422)	2:58:B:LEU:HD11	1:1928:C:PHE:HZ	15	0.31
(1,4412)	2:38:B:LEU:HD22	1:1928:C:PHE:HD2	5	0.31
(1,4412)	2:38:B:LEU:HD23	1:1928:C:PHE:HD1	18	0.31
(1,4411)	2:46:B:LEU:HD11	1:1928:C:PHE:HD2	16	0.31
(1,4120)	2:77:B:VAL:HG13	1:1917:C:LEU:H	4	0.31
(1,4092)	2:84:B:MET:HE3	1:1911:C:ASN:HA	1	0.31
(1,4086)	2:84:B:MET:HE2	1:1918:C:LYS:HD3	8	0.31
(1,4058)	2:85:B:MET:HE3	1:1930:C:VAL:HB	15	0.31
(1,4054)	2:85:B:MET:HE2	1:1921:C:LEU:HD11	15	0.31
(1,4054)	2:85:B:MET:HE2	1:1921:C:LEU:HD12	15	0.31
(1,4054)	2:85:B:MET:HE2	1:1921:C:LEU:HD13	15	0.31
(1,4034)	2:82:B:ILE:HD12	1:1926:C:LEU:HD11	8	0.31
(1,4034)	2:82:B:ILE:HD12	1:1926:C:LEU:HD12	8	0.31
(1,4034)	2:82:B:ILE:HD12	1:1926:C:LEU:HD13	8	0.31
(1,4027)	2:82:B:ILE:HG23	1:1929:C:VAL:HG11	16	0.31
(1,4027)	2:82:B:ILE:HG23	1:1929:C:VAL:HG12	16	0.31
(1,4027)	2:82:B:ILE:HG23	1:1929:C:VAL:HG13	16	0.31
(1,4011)	2:46:B:LEU:HD11	1:1928:C:PHE:HD1	1	0.31
(1,4011)	2:46:B:LEU:HD11	1:1928:C:PHE:HD2	1	0.31
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD11	7	0.31
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD12	7	0.31
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD13	7	0.31
(1,3886)	2:82:A:ILE:HD13	1:1900:C:LEU:HD21	17	0.31
(1,3886)	2:82:A:ILE:HD13	1:1900:C:LEU:HD22	17	0.31
(1,3886)	2:82:A:ILE:HD13	1:1900:C:LEU:HD23	17	0.31
(1,3716)	2:89:B:PHE:H	2:101:B:LYS:HG2	7	0.31
(1,3716)	2:89:B:PHE:H	2:101:B:LYS:HG3	19	0.31
(1,2728)	2:21:B:GLY:H	2:26:B:LYS:HD3	5	0.31
(1,2610)	2:2:A:ALA:H	2:2:B:ALA:HB2	18	0.31
(1,2591)	2:4:B:PRO:HG2	2:11:A:VAL:HG22	5	0.31
(1,2554)	2:5:A:LEU:HD21	2:9:A:LEU:HD11	14	0.31
(1,2554)	2:5:A:LEU:HD21	2:9:A:LEU:HD11	16	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2522)	2:5:B:LEU:HD23	2:9:B:LEU:H	3	0.31
(1,2414)	2:9:B:LEU:HD23	2:82:A:ILE:HG22	20	0.31
(1,2390)	2:9:B:LEU:HD12	2:12:B:MET:HG3	17	0.31
(1,2317)	2:12:A:MET:HE1	2:12:A:MET:H	19	0.31
(1,2313)	2:12:A:MET:HE3	2:9:B:LEU:H	4	0.31
(1,2312)	2:12:A:MET:HE3	2:78:A:PHE:HD1	9	0.31
(1,2312)	2:12:A:MET:HE3	2:78:A:PHE:HD2	9	0.31
(1,2312)	2:12:A:MET:HE3	2:78:A:PHE:HD1	17	0.31
(1,2312)	2:12:A:MET:HE3	2:78:A:PHE:HD2	17	0.31
(1,2279)	2:12:B:MET:HE2	2:83:A:ALA:H	20	0.31
(1,2275)	2:12:B:MET:HE2	2:80:B:SER:HA	5	0.31
(1,2229)	2:13:B:VAL:HG21	2:13:B:VAL:HA	10	0.31
(1,2229)	2:13:B:VAL:HG21	2:13:B:VAL:HA	12	0.31
(1,2224)	2:13:B:VAL:HG12	2:10:B:ASP:HA	13	0.31
(1,2216)	2:13:A:VAL:HG11	2:10:A:ASP:HA	10	0.31
(1,1961)	2:34:B:LEU:HD21	2:62:B:LEU:HD11	4	0.31
(1,1940)	2:34:B:LEU:HD13	2:59:B:MET:H	16	0.31
(1,1774)	2:37:B:LEU:HD13	2:16:B:PHE:HA	19	0.31
(1,1771)	2:37:A:LEU:HD13	2:16:A:PHE:HA	16	0.31
(1,1771)	2:37:A:LEU:HD13	2:16:A:PHE:HA	19	0.31
(1,1737)	2:38:B:LEU:HD12	2:55:B:PHE:HE1	6	0.31
(1,1737)	2:38:B:LEU:HD12	2:55:B:PHE:HE2	6	0.31
(1,1591)	2:42:B:LEU:HD13	2:6:A:GLU:HB2	4	0.31
(1,1563)	2:42:A:LEU:HD12	2:34:A:LEU:HA	5	0.31
(1,1461)	2:46:A:LEU:HD21	2:39:A:THR:H	12	0.31
(1,1433)	2:48:A:LYS:HG3	2:49:A:ARG:H	9	0.31
(1,1385)	2:50:B:THR:HG22	1:1928:C:PHE:HD1	3	0.31
(1,1385)	2:50:B:THR:HG22	1:1928:C:PHE:HD2	3	0.31
(1,1346)	2:52:A:GLU:HG2	2:53:A:ALA:HB1	1	0.31
(1,1345)	2:52:A:GLU:HG3	2:55:A:PHE:HB3	5	0.31
(1,1339)	2:52:A:GLU:HG2	2:55:A:PHE:HD1	16	0.31
(1,1339)	2:52:A:GLU:HG2	2:55:A:PHE:HD2	16	0.31
(1,1327)	2:53:B:ALA:HB2	2:56:B:GLN:HB3	7	0.31
(1,1321)	2:53:A:ALA:HB2	2:55:A:PHE:HD1	6	0.31
(1,1321)	2:53:A:ALA:HB2	2:55:A:PHE:HD2	6	0.31
(1,1289)	2:54:A:ALA:HB3	2:51:A:ASP:HB2	18	0.31
(1,1270)	2:56:B:GLN:HB3	2:57:B:LYS:HB2	7	0.31
(1,1159)	2:58:A:LEU:HD22	2:62:A:LEU:HD22	1	0.31
(1,1159)	2:58:A:LEU:HD21	2:62:A:LEU:HD23	11	0.31
(1,1142)	2:58:A:LEU:HD13	1:1904:C:THR:HG21	17	0.31
(1,1142)	2:58:A:LEU:HD13	1:1904:C:THR:HG22	17	0.31
(1,1142)	2:58:A:LEU:HD13	1:1904:C:THR:HG23	17	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1097)	2:59:B:MET:HE2	2:68:B:ASN:HD21	6	0.31
(1,1092)	2:59:B:MET:HE1	2:61:B:ASN:H	3	0.31
(1,1088)	2:59:B:MET:HE3	2:69:B:GLU:HA	1	0.31
(1,1088)	2:59:B:MET:HE3	2:69:B:GLU:HA	9	0.31
(1,1085)	2:59:B:MET:HE2	2:31:B:LYS:HA	10	0.31
(1,1070)	2:59:B:MET:HE1	2:62:B:LEU:HD22	16	0.31
(1,1049)	2:59:A:MET:HE2	2:71:A:ASP:H	18	0.31
(1,1041)	2:59:A:MET:HE2	2:55:A:PHE:HD2	5	0.31
(1,904)	2:62:A:LEU:HD13	2:58:A:LEU:HA	7	0.31
(1,904)	2:62:A:LEU:HD13	2:58:A:LEU:HA	16	0.31
(1,753)	2:70:B:VAL:HG21	2:74:B:GLU:H	7	0.31
(1,753)	2:70:B:VAL:HG21	2:74:B:GLU:H	12	0.31
(1,753)	2:70:B:VAL:HG21	2:74:B:GLU:H	13	0.31
(1,753)	2:70:B:VAL:HG21	2:74:B:GLU:H	14	0.31
(1,610)	2:77:B:VAL:HG11	2:73:B:GLN:HG2	9	0.31
(1,602)	2:77:B:VAL:HG11	2:77:B:VAL:HA	1	0.31
(1,525)	2:79:B:LEU:HD21	2:82:B:ILE:HB	16	0.31
(1,472)	2:79:A:LEU:HD21	2:75:A:TYR:HE1	19	0.31
(1,472)	2:79:A:LEU:HD21	2:75:A:TYR:HE2	19	0.31
(1,448)	2:79:A:LEU:HD11	2:76:A:CYS:HA	2	0.31
(1,387)	2:82:B:ILE:HD11	2:82:B:ILE:HA	6	0.31
(1,315)	2:82:A:ILE:HD11	2:42:A:LEU:HD21	1	0.31
(1,286)	2:83:A:ALA:HA	2:9:B:LEU:HD23	3	0.31
(1,286)	2:83:A:ALA:HA	2:9:B:LEU:HD23	14	0.31
(1,266)	2:83:A:ALA:HB3	2:76:B:CYS:H	7	0.31
(1,266)	2:83:A:ALA:HB1	2:76:B:CYS:H	16	0.31
(1,254)	2:84:B:MET:HE1	2:81:B:CYS:H	9	0.31
(1,254)	2:84:B:MET:HE1	2:81:B:CYS:H	11	0.31
(1,248)	2:84:B:MET:HE1	2:80:B:SER:HB3	6	0.31
(1,214)	2:84:A:MET:HE1	2:72:B:PHE:HE1	9	0.31
(1,214)	2:84:A:MET:HE1	2:72:B:PHE:HE2	9	0.31
(1,214)	2:84:A:MET:HE1	2:72:B:PHE:HE1	10	0.31
(1,214)	2:84:A:MET:HE1	2:72:B:PHE:HE2	10	0.31
(1,178)	2:85:B:MET:HE1	1:1928:C:PHE:HZ	13	0.31
(1,174)	2:85:B:MET:HE2	2:85:B:MET:HA	13	0.31
(1,142)	2:85:A:MET:HE2	2:85:A:MET:HG3	1	0.31
(1,142)	2:85:A:MET:HE2	2:85:A:MET:HG3	3	0.31
(1,142)	2:85:A:MET:HE2	2:85:A:MET:HG3	10	0.31
(1,142)	2:85:A:MET:HE2	2:85:A:MET:HG3	13	0.31
(1,142)	2:85:A:MET:HE2	2:85:A:MET:HG3	20	0.31
(1,132)	2:85:A:MET:HE3	2:83:A:ALA:H	1	0.31
(1,6777)	2:34:A:LEU:H	2:59:A:MET:HE1	3	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6595)	2:5:B:LEU:HD23	2:78:A:PHE:HE2	20	0.3
(1,6577)	2:6:B:GLU:HA	2:42:A:LEU:HD11	15	0.3
(1,6574)	2:6:A:GLU:HA	2:41:B:GLU:HB2	4	0.3
(1,6574)	2:6:A:GLU:HA	2:41:B:GLU:HB2	5	0.3
(1,6573)	2:6:B:GLU:HA	2:43:A:PRO:HD3	7	0.3
(1,6556)	2:8:A:ALA:HB2	2:11:B:VAL:HA	3	0.3
(1,6556)	2:8:A:ALA:HB2	2:11:B:VAL:HA	9	0.3
(1,6537)	2:8:A:ALA:HB3	2:12:B:MET:HG3	18	0.3
(1,6513)	2:9:B:LEU:HD22	2:6:B:GLU:HA	4	0.3
(1,6474)	2:11:B:VAL:HG11	2:11:B:VAL:HG22	2	0.3
(1,6474)	2:11:A:VAL:HG12	2:11:A:VAL:HG22	6	0.3
(1,6474)	2:11:B:VAL:HG12	2:11:B:VAL:HG21	9	0.3
(1,6474)	2:11:B:VAL:HG12	2:11:B:VAL:HG21	13	0.3
(1,6474)	2:11:B:VAL:HG11	2:11:B:VAL:HG21	16	0.3
(1,6474)	2:11:B:VAL:HG12	2:11:B:VAL:HG22	18	0.3
(1,6461)	2:12:A:MET:HE3	2:76:A:CYS:H	15	0.3
(1,6459)	2:12:A:MET:HE3	2:72:A:PHE:HE1	8	0.3
(1,6394)	2:15:B:THR:HB	2:18:B:LYS:HD2	9	0.3
(1,6355)	2:22:B:LYS:HD2	2:19:B:TYR:HE1	4	0.3
(1,6354)	2:22:A:LYS:HD2	2:19:A:TYR:HD2	3	0.3
(1,6260)	2:28:A:LYS:HD3	2:25:A:ASP:HB3	15	0.3
(1,6235)	2:29:A:LEU:HD11	2:34:A:LEU:H	6	0.3
(1,6175)	2:34:A:LEU:HD11	2:78:A:PHE:HB3	6	0.3
(1,6161)	2:36:A:GLU:HG2	2:19:A:TYR:HE1	4	0.3
(1,6161)	2:36:A:GLU:HG2	2:19:A:TYR:HE1	12	0.3
(1,6157)	2:36:B:GLU:HG2	2:40:B:ARG:HD3	20	0.3
(1,6107)	2:38:B:LEU:HD11	2:34:B:LEU:HD13	2	0.3
(1,6099)	2:38:B:LEU:HD23	2:39:B:THR:HA	5	0.3
(1,6099)	2:38:B:LEU:HD23	2:39:B:THR:HA	11	0.3
(1,6093)	2:38:A:LEU:HD22	2:58:A:LEU:HG	14	0.3
(1,6092)	2:38:A:LEU:HD21	2:42:A:LEU:HG	14	0.3
(1,6087)	2:38:A:LEU:HD23	2:39:A:THR:HA	11	0.3
(1,6048)	2:42:B:LEU:HD23	2:79:B:LEU:HD22	6	0.3
(1,6047)	2:42:B:LEU:HD13	2:79:B:LEU:HD22	1	0.3
(1,6022)	2:46:B:LEU:HD22	1:1928:C:PHE:HD1	12	0.3
(1,5994)	2:54:B:ALA:HB3	1:1926:C:LEU:HD13	7	0.3
(1,5984)	2:54:B:ALA:HB3	2:57:B:LYS:HB2	6	0.3
(1,5974)	2:58:B:LEU:HD23	1:1928:C:PHE:HB2	7	0.3
(1,5944)	2:59:A:MET:HE1	2:31:A:LYS:HG3	3	0.3
(1,5925)	2:62:B:LEU:HD13	2:58:B:LEU:HG	3	0.3
(1,5831)	2:77:B:VAL:HG11	2:73:B:GLN:HE22	14	0.3
(1,5806)	2:79:A:LEU:HD21	2:12:A:MET:HG3	20	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5791)	2:82:B:ILE:HD12	2:58:B:LEU:HD11	13	0.3
(1,5788)	2:82:B:ILE:HG22	2:9:A:LEU:HD21	6	0.3
(1,5783)	2:82:A:ILE:HD12	2:79:A:LEU:H	5	0.3
(1,5761)	2:83:A:ALA:HB2	2:80:A:SER:H	14	0.3
(1,5756)	2:84:B:MET:HE2	1:1918:C:LYS:HA	3	0.3
(1,5742)	2:85:B:MET:HE2	1:1921:C:LEU:HD13	20	0.3
(1,5661)	1:1900:C:LEU:HD12	2:45:A:PHE:HA	3	0.3
(1,5639)	1:1901:C:GLU:HB2	1:1905:C:GLU:HB2	14	0.3
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG21	12	0.3
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG22	12	0.3
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG23	12	0.3
(1,5406)	1:1914:C:VAL:HG11	1:1918:C:LYS:HA	9	0.3
(1,5406)	1:1914:C:VAL:HG12	1:1918:C:LYS:HA	9	0.3
(1,5406)	1:1914:C:VAL:HG13	1:1918:C:LYS:HA	9	0.3
(1,5406)	1:1914:C:VAL:HG11	1:1918:C:LYS:HA	13	0.3
(1,5406)	1:1914:C:VAL:HG12	1:1918:C:LYS:HA	13	0.3
(1,5406)	1:1914:C:VAL:HG13	1:1918:C:LYS:HA	13	0.3
(1,5128)	1:1934:C:MET:HE3	2:6:A:GLU:HA	10	0.3
(1,4994)	1:1910:C:MET:H	2:73:B:GLN:HB3	2	0.3
(1,4841)	1:1926:C:LEU:H	1:1926:C:LEU:HG	2	0.3
(1,4620)	1:1913:C:GLU:HG3	1:1914:C:VAL:HG22	13	0.3
(1,4617)	2:81:B:CYS:HB3	1:1917:C:LEU:HD11	19	0.3
(1,4573)	1:1920:C:LYS:HG2	1:1917:C:LEU:HA	14	0.3
(1,4485)	1:1926:C:LEU:HG	1:1924:C:GLY:H	12	0.3
(1,4422)	2:58:B:LEU:HD13	1:1928:C:PHE:HZ	20	0.3
(1,4120)	2:77:B:VAL:HG13	1:1917:C:LEU:H	2	0.3
(1,4092)	2:84:B:MET:HE3	1:1911:C:ASN:HA	5	0.3
(1,4092)	2:84:B:MET:HE3	1:1911:C:ASN:HA	15	0.3
(1,4092)	2:84:B:MET:HE3	1:1911:C:ASN:HA	16	0.3
(1,4062)	2:85:B:MET:HE1	1:1922:C:ARG:HD3	13	0.3
(1,4058)	2:85:B:MET:HE3	1:1930:C:VAL:HB	9	0.3
(1,4058)	2:85:B:MET:HE3	1:1930:C:VAL:HB	16	0.3
(1,4058)	2:85:B:MET:HE3	1:1930:C:VAL:HB	20	0.3
(1,4055)	2:85:B:MET:HE2	1:1918:C:LYS:HG2	3	0.3
(1,4049)	2:85:A:MET:HE2	1:1899:C:GLU:H	19	0.3
(1,4046)	2:85:A:MET:HE2	1:1899:C:GLU:HB3	11	0.3
(1,4019)	2:38:B:LEU:HD12	1:1928:C:PHE:HD2	7	0.3
(1,4011)	2:46:B:LEU:HD11	1:1928:C:PHE:HD1	3	0.3
(1,4011)	2:46:B:LEU:HD11	1:1928:C:PHE:HD2	3	0.3
(1,4011)	2:46:B:LEU:HD11	1:1928:C:PHE:HD1	10	0.3
(1,4011)	2:46:B:LEU:HD11	1:1928:C:PHE:HD2	10	0.3
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD11	1	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD12	1	0.3
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD13	1	0.3
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD11	1	0.3
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD12	1	0.3
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD13	1	0.3
(1,3252)	2:2:B:ALA:H	2:4:B:PRO:HG3	7	0.3
(1,2993)	2:62:A:LEU:H	2:60:A:SER:HB3	10	0.3
(1,2610)	2:2:A:ALA:H	2:2:B:ALA:HB3	1	0.3
(1,2610)	2:2:A:ALA:H	2:2:B:ALA:HB2	14	0.3
(1,2600)	2:29:A:LEU:H	2:27:A:PHE:HD1	8	0.3
(1,2600)	2:29:A:LEU:H	2:27:A:PHE:HD2	8	0.3
(1,2554)	2:5:A:LEU:HD21	2:9:A:LEU:HD11	1	0.3
(1,2495)	2:5:B:LEU:HD12	2:6:B:GLU:HA	10	0.3
(1,2426)	2:9:A:LEU:HD12	2:45:B:PHE:HZ	10	0.3
(1,2313)	2:12:A:MET:HE1	2:9:B:LEU:H	12	0.3
(1,2299)	2:12:A:MET:HG3	2:5:B:LEU:HD21	7	0.3
(1,2299)	2:12:A:MET:HG3	2:5:B:LEU:HD21	20	0.3
(1,2271)	2:12:B:MET:HE3	2:79:B:LEU:HA	14	0.3
(1,2229)	2:13:B:VAL:HG21	2:13:B:VAL:HA	7	0.3
(1,2229)	2:13:B:VAL:HG23	2:13:B:VAL:HA	9	0.3
(1,2229)	2:13:B:VAL:HG21	2:13:B:VAL:HA	14	0.3
(1,2229)	2:13:B:VAL:HG22	2:13:B:VAL:HA	17	0.3
(1,2229)	2:13:B:VAL:HG23	2:13:B:VAL:HA	18	0.3
(1,2229)	2:13:B:VAL:HG21	2:13:B:VAL:HA	19	0.3
(1,2220)	2:13:A:VAL:HG12	2:83:B:ALA:HB3	16	0.3
(1,2220)	2:13:A:VAL:HG12	2:83:B:ALA:HB3	18	0.3
(1,2181)	2:15:B:THR:HG22	2:41:B:GLU:HB2	9	0.3
(1,2181)	2:15:B:THR:HG21	2:41:B:GLU:HB2	20	0.3
(1,1960)	2:34:B:LEU:HD22	2:29:B:LEU:HD12	9	0.3
(1,1960)	2:34:B:LEU:HD22	2:29:B:LEU:HD11	20	0.3
(1,1937)	2:34:B:LEU:HD13	2:62:B:LEU:HD23	11	0.3
(1,1903)	2:34:A:LEU:HD13	2:55:A:PHE:HE2	2	0.3
(1,1852)	2:35:A:LYS:HE3	2:55:A:PHE:HE1	2	0.3
(1,1821)	2:36:B:GLU:HG3	2:40:B:ARG:HD3	14	0.3
(1,1790)	2:36:A:GLU:HB2	2:39:A:THR:HG23	14	0.3
(1,1774)	2:37:B:LEU:HD13	2:16:B:PHE:HA	8	0.3
(1,1774)	2:37:B:LEU:HD13	2:16:B:PHE:HA	16	0.3
(1,1771)	2:37:A:LEU:HD13	2:16:A:PHE:HA	13	0.3
(1,1737)	2:38:B:LEU:HD13	2:55:B:PHE:HE1	1	0.3
(1,1737)	2:38:B:LEU:HD13	2:55:B:PHE:HE2	1	0.3
(1,1736)	2:38:B:LEU:HD23	2:38:B:LEU:HA	8	0.3
(1,1707)	2:38:A:LEU:HD22	2:35:A:LYS:HA	12	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1700)	2:38:A:LEU:HD21	2:55:A:PHE:HE1	7	0.3
(1,1700)	2:38:A:LEU:HD21	2:55:A:PHE:HE2	7	0.3
(1,1700)	2:38:A:LEU:HD21	2:55:A:PHE:HE1	17	0.3
(1,1700)	2:38:A:LEU:HD21	2:55:A:PHE:HE2	17	0.3
(1,1661)	2:39:A:THR:HG21	2:55:A:PHE:HE1	6	0.3
(1,1609)	2:42:B:LEU:HD11	2:45:B:PHE:H	19	0.3
(1,1597)	2:42:B:LEU:HD11	2:43:B:PRO:HD3	8	0.3
(1,1465)	2:46:A:LEU:HD22	2:55:A:PHE:HE1	14	0.3
(1,1465)	2:46:A:LEU:HD23	2:55:A:PHE:HE1	20	0.3
(1,1420)	2:49:B:ARG:HD2	2:46:B:LEU:HB2	6	0.3
(1,1362)	2:52:B:GLU:HG2	2:53:B:ALA:HB1	14	0.3
(1,1346)	2:52:A:GLU:HG2	2:53:A:ALA:HB1	7	0.3
(1,1346)	2:52:A:GLU:HG2	2:53:A:ALA:HB3	14	0.3
(1,1339)	2:52:A:GLU:HG2	2:55:A:PHE:HD1	13	0.3
(1,1339)	2:52:A:GLU:HG2	2:55:A:PHE:HD2	13	0.3
(1,1302)	2:54:B:ALA:HB3	2:55:B:PHE:H	2	0.3
(1,1085)	2:59:B:MET:HE2	2:31:B:LYS:HA	12	0.3
(1,1075)	2:59:B:MET:HE1	2:29:B:LEU:HB3	19	0.3
(1,1051)	2:59:A:MET:HE2	2:68:A:ASN:H	3	0.3
(1,1043)	2:59:A:MET:HE3	2:60:A:SER:H	8	0.3
(1,1037)	2:59:A:MET:HE1	2:68:A:ASN:HA	5	0.3
(1,1027)	2:59:A:MET:HE3	2:62:A:LEU:HD22	20	0.3
(1,942)	2:62:B:LEU:HD23	2:74:B:GLU:HG3	4	0.3
(1,936)	2:62:B:LEU:HD12	2:61:B:ASN:HB2	19	0.3
(1,805)	2:68:A:ASN:HB3	2:68:A:ASN:HD21	1	0.3
(1,778)	2:70:B:VAL:HG13	2:62:B:LEU:HB2	16	0.3
(1,753)	2:70:B:VAL:HG21	2:74:B:GLU:H	19	0.3
(1,610)	2:77:B:VAL:HG12	2:73:B:GLN:HG2	13	0.3
(1,525)	2:79:B:LEU:HD21	2:82:B:ILE:HB	11	0.3
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE1	11	0.3
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE2	11	0.3
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE1	15	0.3
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE2	15	0.3
(1,448)	2:79:A:LEU:HD13	2:76:A:CYS:HA	13	0.3
(1,387)	2:82:B:ILE:HD11	2:82:B:ILE:HA	1	0.3
(1,387)	2:82:B:ILE:HD11	2:82:B:ILE:HA	5	0.3
(1,383)	2:82:B:ILE:HD12	2:85:B:MET:HE3	15	0.3
(1,315)	2:82:A:ILE:HD13	2:42:A:LEU:HD21	9	0.3
(1,315)	2:82:A:ILE:HD13	2:42:A:LEU:HD21	12	0.3
(1,254)	2:84:B:MET:HE1	2:81:B:CYS:H	1	0.3
(1,176)	2:85:B:MET:HE1	1:1928:C:PHE:H	20	0.3
(1,149)	2:85:A:MET:HE1	2:45:A:PHE:HA	18	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,142)	2:85:A:MET:HE2	2:85:A:MET:HG3	4	0.3
(1,142)	2:85:A:MET:HE2	2:85:A:MET:HG3	14	0.3
(1,139)	2:85:A:MET:HE2	1:1900:C:LEU:HD11	8	0.3
(1,139)	2:85:A:MET:HE2	1:1900:C:LEU:HD12	8	0.3
(1,139)	2:85:A:MET:HE2	1:1900:C:LEU:HD13	8	0.3
(2,49)	1:1935:C:ALA:HB1	1:1932:C:ARG:HA	7	0.29
(2,49)	1:1935:C:ALA:HB2	1:1932:C:ARG:HA	7	0.29
(2,49)	1:1935:C:ALA:HB3	1:1932:C:ARG:HA	7	0.29
(2,45)	1:1918:C:LYS:H	1:1916:C:SER:HB2	16	0.29
(2,18)	2:28:A:LYS:HD3	2:20:A:SER:HB2	15	0.29
(1,6847)	2:83:A:ALA:H	2:72:B:PHE:HE1	11	0.29
(1,6809)	2:61:A:ASN:H	2:59:A:MET:HB2	17	0.29
(1,6726)	2:33:B:GLU:H	2:33:B:GLU:HG2	4	0.29
(1,6714)	2:23:A:GLU:H	2:22:A:LYS:HB3	2	0.29
(1,6713)	2:23:A:GLU:H	2:23:A:GLU:HG3	14	0.29
(1,6670)	2:26:A:LYS:H	2:26:A:LYS:HE2	13	0.29
(1,6656)	2:100:B:LYS:H	2:100:B:LYS:HA	15	0.29
(1,6650)	2:101:A:LYS:H	2:100:A:LYS:HA	20	0.29
(1,6577)	2:6:B:GLU:HA	2:42:A:LEU:HD11	13	0.29
(1,6556)	2:8:A:ALA:HB1	2:11:B:VAL:HA	11	0.29
(1,6555)	2:8:B:ALA:HB1	2:6:B:GLU:HA	14	0.29
(1,6523)	2:9:A:LEU:HD11	2:11:A:VAL:H	18	0.29
(1,6493)	2:11:B:VAL:HG21	2:11:B:VAL:HA	2	0.29
(1,6493)	2:11:B:VAL:HG23	2:11:B:VAL:HA	3	0.29
(1,6493)	2:11:B:VAL:HG21	2:11:B:VAL:HA	4	0.29
(1,6493)	2:11:B:VAL:HG21	2:11:B:VAL:HA	6	0.29
(1,6493)	2:11:B:VAL:HG23	2:11:B:VAL:HA	8	0.29
(1,6493)	2:11:B:VAL:HG21	2:11:B:VAL:HA	10	0.29
(1,6493)	2:11:B:VAL:HG22	2:11:B:VAL:HA	12	0.29
(1,6477)	2:11:A:VAL:HG13	2:7:A:LYS:HD2	3	0.29
(1,6474)	2:11:B:VAL:HG11	2:11:B:VAL:HG22	1	0.29
(1,6474)	2:11:B:VAL:HG13	2:11:B:VAL:HG22	4	0.29
(1,6474)	2:11:B:VAL:HG12	2:11:B:VAL:HG22	5	0.29
(1,6474)	2:11:B:VAL:HG13	2:11:B:VAL:HG21	8	0.29
(1,6474)	2:11:B:VAL:HG11	2:11:B:VAL:HG22	10	0.29
(1,6474)	2:11:B:VAL:HG11	2:11:B:VAL:HG23	12	0.29
(1,6474)	2:11:B:VAL:HG13	2:11:B:VAL:HG22	17	0.29
(1,6474)	2:11:A:VAL:HG13	2:11:A:VAL:HG22	19	0.29
(1,6474)	2:11:B:VAL:HG12	2:11:B:VAL:HG22	20	0.29
(1,6472)	2:11:A:VAL:HA	2:8:B:ALA:HB1	8	0.29
(1,6455)	2:12:A:MET:HE3	2:76:A:CYS:HA	3	0.29
(1,6448)	2:12:A:MET:HE1	2:9:A:LEU:HD21	5	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6438)	2:12:B:MET:HE2	2:79:A:LEU:HG	10	0.29
(1,6402)	2:15:A:THR:HG23	2:37:A:LEU:H	6	0.29
(1,6333)	2:23:A:GLU:HG2	2:22:A:LYS:H	13	0.29
(1,6243)	2:29:B:LEU:HD11	2:34:B:LEU:HD21	1	0.29
(1,6197)	2:33:A:GLU:HA	2:36:A:GLU:HB3	19	0.29
(1,6193)	2:34:B:LEU:HD21	2:37:B:LEU:HA	18	0.29
(1,6147)	2:37:B:LEU:HD21	2:15:B:THR:HG21	12	0.29
(1,6144)	2:37:B:LEU:HD12	2:12:B:MET:HA	12	0.29
(1,6099)	2:38:B:LEU:HD21	2:39:B:THR:HA	6	0.29
(1,6099)	2:38:B:LEU:HD23	2:39:B:THR:HA	8	0.29
(1,6087)	2:38:A:LEU:HD23	2:39:A:THR:HA	8	0.29
(1,6051)	2:42:B:LEU:HD12	2:45:B:PHE:HB3	9	0.29
(1,6047)	2:42:B:LEU:HD13	2:79:B:LEU:HD22	7	0.29
(1,6047)	2:42:B:LEU:HD13	2:79:B:LEU:HD22	18	0.29
(1,5994)	2:54:B:ALA:HB3	1:1926:C:LEU:HD13	4	0.29
(1,5981)	2:56:B:GLN:HG3	2:57:B:LYS:HD3	7	0.29
(1,5980)	2:56:A:GLN:HG2	2:57:A:LYS:HE3	10	0.29
(1,5974)	2:58:B:LEU:HD23	1:1928:C:PHE:HB2	3	0.29
(1,5960)	2:59:B:MET:HE1	2:60:B:SER:HA	12	0.29
(1,5948)	2:59:A:MET:HE2	2:69:A:GLU:H	19	0.29
(1,5943)	2:59:A:MET:HE1	2:34:A:LEU:HB3	11	0.29
(1,5929)	2:62:B:LEU:HD13	1:1918:C:LYS:HA	19	0.29
(1,5834)	2:77:B:VAL:HG11	2:62:B:LEU:HA	8	0.29
(1,5831)	2:77:B:VAL:HG11	2:73:B:GLN:HE22	7	0.29
(1,5814)	2:79:B:LEU:HD12	2:9:A:LEU:HD21	17	0.29
(1,5791)	2:82:B:ILE:HD13	2:58:B:LEU:HD11	15	0.29
(1,5783)	2:82:A:ILE:HD12	2:79:A:LEU:H	12	0.29
(1,5657)	1:1900:C:LEU:HD13	2:46:A:LEU:HA	19	0.29
(1,5639)	1:1901:C:GLU:HB2	1:1905:C:GLU:HB3	5	0.29
(1,5639)	1:1901:C:GLU:HB2	1:1905:C:GLU:HB2	19	0.29
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG21	11	0.29
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG22	11	0.29
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG23	11	0.29
(1,5193)	1:1929:C:VAL:HG21	1:1928:C:PHE:HB2	5	0.29
(1,5193)	1:1929:C:VAL:HG22	1:1928:C:PHE:HB2	5	0.29
(1,5193)	1:1929:C:VAL:HG23	1:1928:C:PHE:HB2	5	0.29
(1,5163)	1:1930:C:VAL:HG11	2:85:B:MET:HE3	12	0.29
(1,5163)	1:1930:C:VAL:HG12	2:85:B:MET:HE3	12	0.29
(1,5163)	1:1930:C:VAL:HG13	2:85:B:MET:HE3	12	0.29
(1,5163)	1:1930:C:VAL:HG11	2:85:B:MET:HE3	18	0.29
(1,5163)	1:1930:C:VAL:HG12	2:85:B:MET:HE3	18	0.29
(1,5163)	1:1930:C:VAL:HG13	2:85:B:MET:HE3	18	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5143)	1:1930:C:VAL:HG11	1:1929:C:VAL:HA	9	0.29
(1,4994)	1:1910:C:MET:H	2:73:B:GLN:HB3	16	0.29
(1,4982)	1:1911:C:ASN:HD22	1:1915:C:SER:HA	7	0.29
(1,4982)	1:1911:C:ASN:HD22	1:1915:C:SER:HA	10	0.29
(1,4860)	1:1923:C:ARG:H	1:1922:C:ARG:HD3	4	0.29
(1,4718)	1:1898:C:ARG:H	1:1898:C:ARG:HB3	3	0.29
(1,4620)	1:1913:C:GLU:HG3	1:1914:C:VAL:HG23	19	0.29
(1,4484)	2:57:B:LYS:HD3	1:1924:C:GLY:H	4	0.29
(1,4484)	2:57:B:LYS:HD3	1:1924:C:GLY:H	5	0.29
(1,4191)	2:50:B:THR:HA	1:1928:C:PHE:HD2	8	0.29
(1,4191)	2:50:B:THR:HA	1:1928:C:PHE:HD2	10	0.29
(1,4155)	2:58:A:LEU:HD11	1:1903:C:ALA:H	8	0.29
(1,4062)	2:85:B:MET:HE1	1:1922:C:ARG:HD3	14	0.29
(1,4055)	2:85:B:MET:HE2	1:1918:C:LYS:HG2	4	0.29
(1,4049)	2:85:A:MET:HE2	1:1899:C:GLU:H	3	0.29
(1,4049)	2:85:A:MET:HE2	1:1899:C:GLU:H	8	0.29
(1,4027)	2:82:B:ILE:HG23	1:1929:C:VAL:HG11	18	0.29
(1,4027)	2:82:B:ILE:HG23	1:1929:C:VAL:HG12	18	0.29
(1,4027)	2:82:B:ILE:HG23	1:1929:C:VAL:HG13	18	0.29
(1,4025)	2:82:B:ILE:HD12	1:1929:C:VAL:HG11	15	0.29
(1,4025)	2:82:B:ILE:HD12	1:1929:C:VAL:HG12	15	0.29
(1,4025)	2:82:B:ILE:HD12	1:1929:C:VAL:HG13	15	0.29
(1,4010)	2:58:B:LEU:HD11	1:1917:C:LEU:HD11	12	0.29
(1,4010)	2:58:B:LEU:HD11	1:1917:C:LEU:HD12	12	0.29
(1,4010)	2:58:B:LEU:HD11	1:1917:C:LEU:HD13	12	0.29
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD11	8	0.29
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD12	8	0.29
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD13	8	0.29
(1,3923)	2:58:A:LEU:HD22	1:1903:C:ALA:HB1	12	0.29
(1,3923)	2:58:A:LEU:HD22	1:1903:C:ALA:HB2	12	0.29
(1,3923)	2:58:A:LEU:HD22	1:1903:C:ALA:HB3	12	0.29
(1,3904)	2:38:A:LEU:HD12	1:1900:C:LEU:HD21	7	0.29
(1,3904)	2:38:A:LEU:HD12	1:1900:C:LEU:HD22	7	0.29
(1,3904)	2:38:A:LEU:HD12	1:1900:C:LEU:HD23	7	0.29
(1,3886)	2:82:A:ILE:HD13	1:1900:C:LEU:HD21	8	0.29
(1,3886)	2:82:A:ILE:HD13	1:1900:C:LEU:HD22	8	0.29
(1,3886)	2:82:A:ILE:HD13	1:1900:C:LEU:HD23	8	0.29
(1,3886)	2:82:A:ILE:HD13	1:1900:C:LEU:HD21	16	0.29
(1,3886)	2:82:A:ILE:HD13	1:1900:C:LEU:HD22	16	0.29
(1,3886)	2:82:A:ILE:HD13	1:1900:C:LEU:HD23	16	0.29
(1,3874)	2:45:A:PHE:HD1	2:85:A:MET:HE1	18	0.29
(1,3874)	2:45:A:PHE:HD2	2:85:A:MET:HE1	18	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3874)	2:45:A:PHE:HD1	2:85:A:MET:HE1	19	0.29
(1,3874)	2:45:A:PHE:HD2	2:85:A:MET:HE1	19	0.29
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD11	2	0.29
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD12	2	0.29
(1,3847)	2:78:B:PHE:HD1	1:1917:C:LEU:HD13	2	0.29
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD11	2	0.29
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD12	2	0.29
(1,3847)	2:78:B:PHE:HD2	1:1917:C:LEU:HD13	2	0.29
(1,3796)	2:27:B:PHE:H	2:27:B:PHE:HD1	14	0.29
(1,3796)	2:27:B:PHE:H	2:27:B:PHE:HD2	14	0.29
(1,3716)	2:89:B:PHE:H	2:101:B:LYS:HG2	6	0.29
(1,2988)	2:61:A:ASN:H	2:62:A:LEU:HD23	7	0.29
(1,2610)	2:2:A:ALA:H	2:2:B:ALA:HB2	16	0.29
(1,2522)	2:5:B:LEU:HD21	2:9:B:LEU:H	12	0.29
(1,2509)	2:5:B:LEU:HD23	2:12:A:MET:HA	8	0.29
(1,2509)	2:5:B:LEU:HD22	2:12:A:MET:HA	9	0.29
(1,2390)	2:9:B:LEU:HD12	2:12:B:MET:HG3	15	0.29
(1,2390)	2:9:B:LEU:HD11	2:12:B:MET:HG3	18	0.29
(1,2317)	2:12:A:MET:HE1	2:12:A:MET:H	2	0.29
(1,2308)	2:12:A:MET:HE3	2:79:A:LEU:HA	17	0.29
(1,2307)	2:12:A:MET:HE3	2:12:A:MET:HG2	10	0.29
(1,2238)	2:13:A:VAL:HG22	2:17:A:HIS:HD2	4	0.29
(1,2233)	2:13:A:VAL:HG21	2:87:B:ASN:H	2	0.29
(1,2229)	2:13:B:VAL:HG21	2:13:B:VAL:HA	13	0.29
(1,2229)	2:13:B:VAL:HG23	2:13:B:VAL:HA	15	0.29
(1,2225)	2:13:A:VAL:HG11	2:16:A:PHE:HB2	3	0.29
(1,2217)	2:13:A:VAL:HG12	2:86:B:CYS:HB2	9	0.29
(1,2182)	2:15:B:THR:HG23	2:41:B:GLU:HG2	17	0.29
(1,2181)	2:15:B:THR:HG23	2:41:B:GLU:HB2	2	0.29
(1,2181)	2:15:B:THR:HG23	2:41:B:GLU:HB2	19	0.29
(1,2180)	2:15:B:THR:HG23	2:37:B:LEU:HD22	13	0.29
(1,2010)	2:29:B:LEU:HD11	2:34:B:LEU:H	6	0.29
(1,1961)	2:34:B:LEU:HD22	2:62:B:LEU:HD13	5	0.29
(1,1960)	2:34:B:LEU:HD22	2:29:B:LEU:HD13	12	0.29
(1,1960)	2:34:B:LEU:HD22	2:29:B:LEU:HD13	13	0.29
(1,1960)	2:34:B:LEU:HD21	2:29:B:LEU:HD11	14	0.29
(1,1948)	2:34:B:LEU:HD23	1:1928:C:PHE:HZ	15	0.29
(1,1940)	2:34:B:LEU:HD13	2:59:B:MET:H	6	0.29
(1,1903)	2:34:A:LEU:HD13	2:55:A:PHE:HE2	9	0.29
(1,1898)	2:34:A:LEU:HD12	2:59:A:MET:HG2	19	0.29
(1,1774)	2:37:B:LEU:HD13	2:16:B:PHE:HA	13	0.29
(1,1762)	2:38:B:LEU:HD12	2:62:B:LEU:HD22	14	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1737)	2:38:B:LEU:HD12	2:55:B:PHE:HE1	20	0.29
(1,1737)	2:38:B:LEU:HD12	2:55:B:PHE:HE2	20	0.29
(1,1736)	2:38:B:LEU:HD23	2:38:B:LEU:HA	5	0.29
(1,1691)	2:38:A:LEU:HD22	2:39:A:THR:H	9	0.29
(1,1567)	2:42:A:LEU:HD12	2:78:A:PHE:HE1	15	0.29
(1,1567)	2:42:A:LEU:HD12	2:78:A:PHE:HE2	15	0.29
(1,1459)	2:46:A:LEU:HD13	2:47:A:GLY:H	5	0.29
(1,1433)	2:48:A:LYS:HG3	2:49:A:ARG:H	10	0.29
(1,1409)	2:49:A:ARG:HD3	2:54:A:ALA:HB2	5	0.29
(1,1314)	2:53:A:ALA:HA	2:56:A:GLN:HG3	18	0.29
(1,1270)	2:56:B:GLN:HB2	2:57:B:LYS:HB2	17	0.29
(1,1270)	2:56:B:GLN:HB2	2:57:B:LYS:HB2	18	0.29
(1,1201)	2:58:B:LEU:HD11	1:1928:C:PHE:HZ	8	0.29
(1,1100)	2:59:B:MET:HE2	2:31:B:LYS:H	7	0.29
(1,1080)	2:59:B:MET:HE1	2:59:B:MET:HG2	7	0.29
(1,1075)	2:59:B:MET:HE3	2:29:B:LEU:HB3	5	0.29
(1,1043)	2:59:A:MET:HE3	2:60:A:SER:H	2	0.29
(1,1043)	2:59:A:MET:HE3	2:60:A:SER:H	4	0.29
(1,1041)	2:59:A:MET:HE1	2:55:A:PHE:HD2	13	0.29
(1,1031)	2:59:A:MET:HE1	2:59:A:MET:HG3	16	0.29
(1,1028)	2:59:A:MET:HE1	2:34:A:LEU:HD12	17	0.29
(1,917)	2:29:A:LEU:HD23	2:20:A:SER:HA	3	0.29
(1,904)	2:62:A:LEU:HD12	2:58:A:LEU:HA	2	0.29
(1,805)	2:68:A:ASN:HB3	2:68:A:ASN:HD21	6	0.29
(1,805)	2:68:A:ASN:HB3	2:68:A:ASN:HD21	19	0.29
(1,785)	2:70:B:VAL:HG21	2:29:B:LEU:HD13	10	0.29
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE1	4	0.29
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE2	4	0.29
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE1	7	0.29
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE2	7	0.29
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE1	14	0.29
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE2	14	0.29
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE1	18	0.29
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE2	18	0.29
(1,387)	2:82:B:ILE:HD11	2:82:B:ILE:HA	14	0.29
(1,378)	2:82:B:ILE:HD11	2:42:B:LEU:HD12	9	0.29
(1,309)	2:82:A:ILE:HG23	2:83:A:ALA:HB3	11	0.29
(1,309)	2:82:A:ILE:HG23	2:83:A:ALA:HB2	18	0.29
(1,276)	2:83:A:ALA:HB3	2:82:A:ILE:HG23	11	0.29
(1,276)	2:83:A:ALA:HB2	2:82:A:ILE:HG23	18	0.29
(1,266)	2:83:A:ALA:HB3	2:76:B:CYS:H	20	0.29
(1,254)	2:84:B:MET:HE1	2:81:B:CYS:H	18	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,248)	2:84:B:MET:HE1	2:80:B:SER:HB3	17	0.29
(1,246)	2:84:B:MET:HE2	1:1918:C:LYS:HE3	17	0.29
(1,174)	2:85:B:MET:HE2	2:85:B:MET:HA	6	0.29
(1,174)	2:85:B:MET:HE2	2:85:B:MET:HA	19	0.29
(1,174)	2:85:B:MET:HE2	2:85:B:MET:HA	20	0.29
(1,142)	2:85:A:MET:HE2	2:85:A:MET:HG3	2	0.29
(1,142)	2:85:A:MET:HE2	2:85:A:MET:HG3	9	0.29
(1,134)	2:85:A:MET:HE1	2:82:A:ILE:HD13	18	0.29
(2,49)	1:1935:C:ALA:HB1	1:1932:C:ARG:HA	5	0.28
(2,49)	1:1935:C:ALA:HB2	1:1932:C:ARG:HA	5	0.28
(2,49)	1:1935:C:ALA:HB3	1:1932:C:ARG:HA	5	0.28
(2,45)	1:1918:C:LYS:H	1:1916:C:SER:HB2	8	0.28
(1,7018)	2:19:A:TYR:HE2	2:41:A:GLU:HB2	5	0.28
(1,7000)	2:75:A:TYR:HD1	2:16:A:PHE:HD2	2	0.28
(1,6996)	2:72:B:PHE:HZ	2:13:B:VAL:HA	3	0.28
(1,6949)	2:80:B:SER:H	2:79:B:LEU:HD21	1	0.28
(1,6949)	2:80:B:SER:H	2:79:B:LEU:HD21	4	0.28
(1,6847)	2:83:A:ALA:H	2:72:B:PHE:HE1	7	0.28
(1,6809)	2:61:A:ASN:H	2:59:A:MET:HB2	8	0.28
(1,6771)	2:28:A:LYS:H	2:17:A:HIS:HA	4	0.28
(1,6620)	2:2:A:ALA:HB1	2:7:A:LYS:HA	18	0.28
(1,6612)	2:3:A:CYS:HB3	2:43:B:PRO:HD3	2	0.28
(1,6601)	2:5:A:LEU:HD21	2:12:B:MET:HE1	8	0.28
(1,6601)	2:5:A:LEU:HD23	2:12:B:MET:HE1	17	0.28
(1,6593)	2:5:B:LEU:HD23	2:37:A:LEU:HD22	1	0.28
(1,6589)	2:5:B:LEU:HD23	2:11:A:VAL:HB	17	0.28
(1,6573)	2:6:B:GLU:HA	2:43:A:PRO:HD3	12	0.28
(1,6555)	2:8:B:ALA:HB2	2:6:B:GLU:HA	15	0.28
(1,6537)	2:8:A:ALA:HB2	2:12:B:MET:HG3	14	0.28
(1,6524)	2:9:A:LEU:HD11	2:6:A:GLU:HA	18	0.28
(1,6513)	2:9:B:LEU:HD22	2:6:B:GLU:HA	7	0.28
(1,6493)	2:11:B:VAL:HG21	2:11:B:VAL:HA	1	0.28
(1,6493)	2:11:B:VAL:HG21	2:11:B:VAL:HA	5	0.28
(1,6493)	2:11:B:VAL:HG23	2:11:B:VAL:HA	9	0.28
(1,6493)	2:11:A:VAL:HG23	2:11:A:VAL:HA	13	0.28
(1,6493)	2:11:A:VAL:HG23	2:11:A:VAL:HA	16	0.28
(1,6493)	2:11:B:VAL:HG21	2:11:B:VAL:HA	17	0.28
(1,6493)	2:11:B:VAL:HG21	2:11:B:VAL:HA	18	0.28
(1,6493)	2:11:B:VAL:HG21	2:11:B:VAL:HA	19	0.28
(1,6493)	2:11:B:VAL:HG21	2:11:B:VAL:HA	20	0.28
(1,6489)	2:11:A:VAL:HG12	2:8:A:ALA:H	8	0.28
(1,6477)	2:11:A:VAL:HG13	2:7:A:LYS:HD2	12	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6474)	2:11:B:VAL:HG11	2:11:B:VAL:HG21	3	0.28
(1,6474)	2:11:B:VAL:HG13	2:11:B:VAL:HG23	7	0.28
(1,6437)	2:12:B:MET:HE2	2:79:A:LEU:HB3	6	0.28
(1,6433)	2:12:B:MET:HG3	2:13:B:VAL:HG11	7	0.28
(1,6427)	2:13:A:VAL:HG21	2:72:A:PHE:HE1	3	0.28
(1,6424)	2:13:B:VAL:HG23	2:87:A:ASN:HA	19	0.28
(1,6417)	2:13:A:VAL:HG21	2:91:B:GLU:HB2	1	0.28
(1,6402)	2:15:A:THR:HG23	2:37:A:LEU:H	16	0.28
(1,6291)	2:26:B:LYS:HG2	2:21:B:GLY:HA2	16	0.28
(1,6287)	2:26:B:LYS:HB3	2:21:B:GLY:HA2	13	0.28
(1,6286)	2:26:B:LYS:HB3	2:27:B:PHE:HD2	9	0.28
(1,6207)	2:32:A:SER:HB2	2:33:A:GLU:HG3	13	0.28
(1,6207)	2:32:A:SER:HB2	2:33:A:GLU:HG3	15	0.28
(1,6176)	2:34:A:LEU:HD12	2:33:A:GLU:HB2	16	0.28
(1,6154)	2:37:A:LEU:HD13	2:16:A:PHE:HD2	10	0.28
(1,6108)	2:38:B:LEU:HD12	2:34:B:LEU:HD22	3	0.28
(1,6087)	2:38:A:LEU:HD23	2:39:A:THR:HA	5	0.28
(1,6087)	2:38:A:LEU:HD21	2:39:A:THR:HA	6	0.28
(1,6087)	2:38:A:LEU:HD21	2:39:A:THR:HA	14	0.28
(1,6051)	2:42:B:LEU:HD12	2:45:B:PHE:HB3	19	0.28
(1,6037)	2:42:A:LEU:HD11	2:3:B:CYS:HB3	20	0.28
(1,6023)	2:46:B:LEU:HD12	2:45:B:PHE:H	13	0.28
(1,6023)	2:46:B:LEU:HD12	2:45:B:PHE:H	20	0.28
(1,5960)	2:59:B:MET:HE1	2:60:B:SER:HA	18	0.28
(1,5934)	2:55:B:PHE:HA	2:56:B:GLN:HG2	2	0.28
(1,5925)	2:62:B:LEU:HD13	2:58:B:LEU:HG	12	0.28
(1,5834)	2:77:B:VAL:HG12	2:62:B:LEU:HA	15	0.28
(1,5814)	2:79:B:LEU:HD12	2:42:B:LEU:HD22	12	0.28
(1,5756)	2:84:B:MET:HE2	1:1918:C:LYS:HA	18	0.28
(1,5657)	1:1900:C:LEU:HD13	2:46:A:LEU:HA	20	0.28
(1,5652)	1:1900:C:LEU:HD21	2:59:A:MET:H	10	0.28
(1,5652)	1:1900:C:LEU:HD22	2:59:A:MET:H	10	0.28
(1,5652)	1:1900:C:LEU:HD23	2:59:A:MET:H	10	0.28
(1,5652)	1:1900:C:LEU:HD21	2:59:A:MET:H	20	0.28
(1,5652)	1:1900:C:LEU:HD22	2:59:A:MET:H	20	0.28
(1,5652)	1:1900:C:LEU:HD23	2:59:A:MET:H	20	0.28
(1,5638)	1:1901:C:GLU:HB3	1:1905:C:GLU:HB2	2	0.28
(1,5630)	1:1903:C:ALA:HB1	2:9:B:LEU:HD13	12	0.28
(1,5630)	1:1903:C:ALA:HB2	2:9:B:LEU:HD13	12	0.28
(1,5630)	1:1903:C:ALA:HB3	2:9:B:LEU:HD13	12	0.28
(1,5406)	1:1914:C:VAL:HG11	1:1918:C:LYS:HA	5	0.28
(1,5406)	1:1914:C:VAL:HG12	1:1918:C:LYS:HA	5	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5406)	1:1914:C:VAL:HG13	1:1918:C:LYS:HA	5	0.28
(1,5406)	1:1914:C:VAL:HG11	1:1918:C:LYS:HA	14	0.28
(1,5406)	1:1914:C:VAL:HG12	1:1918:C:LYS:HA	14	0.28
(1,5406)	1:1914:C:VAL:HG13	1:1918:C:LYS:HA	14	0.28
(1,5391)	1:1914:C:VAL:HG13	2:77:B:VAL:HB	7	0.28
(1,5323)	1:1918:C:LYS:HB3	1:1917:C:LEU:HA	4	0.28
(1,5287)	1:1921:C:LEU:HD21	1:1917:C:LEU:HD21	19	0.28
(1,5287)	1:1921:C:LEU:HD21	1:1917:C:LEU:HD22	19	0.28
(1,5287)	1:1921:C:LEU:HD21	1:1917:C:LEU:HD23	19	0.28
(1,5287)	1:1921:C:LEU:HD22	1:1917:C:LEU:HD21	19	0.28
(1,5287)	1:1921:C:LEU:HD22	1:1917:C:LEU:HD22	19	0.28
(1,5287)	1:1921:C:LEU:HD22	1:1917:C:LEU:HD23	19	0.28
(1,5287)	1:1921:C:LEU:HD23	1:1917:C:LEU:HD21	19	0.28
(1,5287)	1:1921:C:LEU:HD23	1:1917:C:LEU:HD22	19	0.28
(1,5287)	1:1921:C:LEU:HD23	1:1917:C:LEU:HD23	19	0.28
(1,5128)	1:1934:C:MET:HE3	2:13:A:VAL:HA	5	0.28
(1,4994)	1:1910:C:MET:H	2:73:B:GLN:HB3	11	0.28
(1,4982)	1:1911:C:ASN:HD22	1:1915:C:SER:HA	12	0.28
(1,4882)	1:1920:C:LYS:H	1:1918:C:LYS:HB3	19	0.28
(1,4879)	1:1920:C:LYS:H	1:1926:C:LEU:HG	19	0.28
(1,4718)	1:1898:C:ARG:H	1:1898:C:ARG:HB3	7	0.28
(1,4718)	1:1898:C:ARG:H	1:1898:C:ARG:HB3	17	0.28
(1,4594)	1:1914:C:VAL:H	1:1918:C:LYS:HB3	20	0.28
(1,4484)	2:57:B:LYS:HD3	1:1924:C:GLY:H	3	0.28
(1,4484)	2:57:B:LYS:HD3	1:1924:C:GLY:H	15	0.28
(1,4177)	2:46:B:LEU:HD11	1:1927:C:PRO:HG2	2	0.28
(1,4120)	2:77:B:VAL:HG11	1:1917:C:LEU:H	6	0.28
(1,4092)	2:84:B:MET:HE3	1:1911:C:ASN:HA	3	0.28
(1,4086)	2:84:B:MET:HE2	1:1918:C:LYS:HD3	4	0.28
(1,4086)	2:84:B:MET:HE2	1:1918:C:LYS:HD3	11	0.28
(1,4046)	2:85:A:MET:HE2	1:1899:C:GLU:HB3	3	0.28
(1,4046)	2:85:A:MET:HE2	1:1899:C:GLU:HB3	13	0.28
(1,4027)	2:82:B:ILE:HG21	1:1929:C:VAL:HG11	19	0.28
(1,4027)	2:82:B:ILE:HG21	1:1929:C:VAL:HG12	19	0.28
(1,4027)	2:82:B:ILE:HG21	1:1929:C:VAL:HG13	19	0.28
(1,3979)	2:62:B:LEU:HD12	1:1920:C:LYS:HG3	20	0.28
(1,3750)	2:93:B:PHE:H	2:101:B:LYS:HG3	12	0.28
(1,3252)	2:2:B:ALA:H	2:4:B:PRO:HG3	12	0.28
(1,2743)	2:27:A:PHE:H	2:27:A:PHE:HD1	3	0.28
(1,2743)	2:27:A:PHE:H	2:27:A:PHE:HD2	3	0.28
(1,2618)	2:3:A:CYS:H	2:41:B:GLU:HG2	9	0.28
(1,2618)	2:3:A:CYS:H	2:41:B:GLU:HG2	14	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2600)	2:29:A:LEU:H	2:27:A:PHE:HD1	9	0.28
(1,2600)	2:29:A:LEU:H	2:27:A:PHE:HD2	9	0.28
(1,2591)	2:4:B:PRO:HG2	2:11:A:VAL:HG23	7	0.28
(1,2591)	2:4:B:PRO:HG2	2:11:A:VAL:HG21	9	0.28
(1,2554)	2:5:A:LEU:HD23	2:9:A:LEU:HD12	19	0.28
(1,2383)	2:9:B:LEU:HD12	2:82:A:ILE:HG13	1	0.28
(1,2383)	2:9:B:LEU:HD13	2:82:A:ILE:HG13	19	0.28
(1,2383)	2:9:B:LEU:HD13	2:82:A:ILE:HG13	20	0.28
(1,2331)	2:11:A:VAL:HG13	2:7:A:LYS:HG3	2	0.28
(1,2313)	2:12:A:MET:HE1	2:9:B:LEU:H	11	0.28
(1,2307)	2:12:A:MET:HE3	2:12:A:MET:HG2	4	0.28
(1,2300)	2:12:A:MET:HE3	2:79:A:LEU:HD11	3	0.28
(1,2277)	2:12:B:MET:HE1	2:75:B:TYR:HE1	16	0.28
(1,2277)	2:12:B:MET:HE1	2:75:B:TYR:HE2	16	0.28
(1,2229)	2:13:B:VAL:HG21	2:13:B:VAL:HA	3	0.28
(1,2229)	2:13:B:VAL:HG22	2:13:B:VAL:HA	8	0.28
(1,2220)	2:13:A:VAL:HG11	2:83:B:ALA:HB3	7	0.28
(1,2216)	2:13:A:VAL:HG11	2:10:A:ASP:HA	9	0.28
(1,2216)	2:13:A:VAL:HG12	2:10:A:ASP:HA	12	0.28
(1,2026)	2:29:A:LEU:HD13	2:34:A:LEU:HA	17	0.28
(1,2010)	2:29:B:LEU:HD11	2:34:B:LEU:H	16	0.28
(1,1960)	2:34:B:LEU:HD21	2:29:B:LEU:HD13	3	0.28
(1,1954)	2:34:B:LEU:HD22	2:38:B:LEU:HG	17	0.28
(1,1937)	2:34:B:LEU:HD13	2:62:B:LEU:HD21	9	0.28
(1,1792)	2:36:A:GLU:HB3	2:33:A:GLU:HA	8	0.28
(1,1737)	2:38:B:LEU:HD13	2:55:B:PHE:HE1	11	0.28
(1,1737)	2:38:B:LEU:HD13	2:55:B:PHE:HE2	11	0.28
(1,1736)	2:38:B:LEU:HD21	2:38:B:LEU:HA	14	0.28
(1,1705)	2:38:A:LEU:HD13	2:50:A:THR:HB	1	0.28
(1,1691)	2:38:A:LEU:HD21	2:39:A:THR:H	3	0.28
(1,1691)	2:38:A:LEU:HD22	2:39:A:THR:H	11	0.28
(1,1656)	2:39:B:THR:HG23	2:35:B:LYS:HE3	7	0.28
(1,1655)	2:39:A:THR:HG22	2:35:A:LYS:HE3	18	0.28
(1,1591)	2:42:B:LEU:HD11	2:6:A:GLU:HB2	18	0.28
(1,1567)	2:42:A:LEU:HD13	2:78:A:PHE:HE1	10	0.28
(1,1567)	2:42:A:LEU:HD13	2:78:A:PHE:HE2	10	0.28
(1,1543)	2:42:A:LEU:HD13	2:82:A:ILE:HD12	5	0.28
(1,1465)	2:46:A:LEU:HD21	2:55:A:PHE:HE2	1	0.28
(1,1465)	2:46:A:LEU:HD21	2:55:A:PHE:HE1	2	0.28
(1,1407)	2:49:A:ARG:HG2	2:54:A:ALA:HB2	8	0.28
(1,1405)	2:49:A:ARG:HB2	2:54:A:ALA:HB2	17	0.28
(1,1346)	2:52:A:GLU:HG2	2:53:A:ALA:HB2	2	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1346)	2:52:A:GLU:HG2	2:53:A:ALA:HB2	10	0.28
(1,1346)	2:52:A:GLU:HG2	2:53:A:ALA:HB2	15	0.28
(1,1322)	2:53:A:ALA:HB3	2:56:A:GLN:HE22	1	0.28
(1,1290)	2:54:A:ALA:HB3	1:1897:C:GLN:HG2	11	0.28
(1,1201)	2:58:B:LEU:HD11	1:1928:C:PHE:HZ	6	0.28
(1,1085)	2:59:B:MET:HE1	2:31:B:LYS:HA	7	0.28
(1,1085)	2:59:B:MET:HE2	2:31:B:LYS:HA	13	0.28
(1,1085)	2:59:B:MET:HE2	2:31:B:LYS:HA	17	0.28
(1,1081)	2:59:B:MET:HE2	2:68:B:ASN:HB2	10	0.28
(1,1051)	2:59:A:MET:HE2	2:68:A:ASN:H	1	0.28
(1,1046)	2:59:A:MET:HE3	2:67:A:ASP:H	17	0.28
(1,1043)	2:59:A:MET:HE2	2:60:A:SER:H	1	0.28
(1,1037)	2:59:A:MET:HE3	2:68:A:ASN:HA	14	0.28
(1,961)	2:62:B:LEU:HD23	2:78:B:PHE:H	12	0.28
(1,904)	2:62:A:LEU:HD13	2:58:A:LEU:HA	9	0.28
(1,805)	2:68:A:ASN:HB3	2:68:A:ASN:HD21	16	0.28
(1,781)	2:70:B:VAL:HG23	2:62:B:LEU:HD22	19	0.28
(1,744)	2:70:A:VAL:HG23	2:75:A:TYR:H	6	0.28
(1,742)	2:70:A:VAL:HG23	2:58:A:LEU:HG	10	0.28
(1,742)	2:70:A:VAL:HG21	2:58:A:LEU:HG	18	0.28
(1,707)	2:71:B:ASP:HA	2:28:B:LYS:HD2	15	0.28
(1,525)	2:79:B:LEU:HD21	2:82:B:ILE:HB	3	0.28
(1,525)	2:79:B:LEU:HD21	2:82:B:ILE:HB	8	0.28
(1,525)	2:79:B:LEU:HD21	2:82:B:ILE:HB	15	0.28
(1,518)	2:79:B:LEU:HD11	2:5:A:LEU:HD12	9	0.28
(1,518)	2:79:B:LEU:HD12	2:5:A:LEU:HD22	17	0.28
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE1	2	0.28
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE2	2	0.28
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE1	13	0.28
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE2	13	0.28
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE1	17	0.28
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE2	17	0.28
(1,448)	2:79:A:LEU:HD11	2:76:A:CYS:HA	9	0.28
(1,387)	2:82:B:ILE:HD12	2:82:B:ILE:HA	15	0.28
(1,377)	2:82:B:ILE:HD12	2:38:B:LEU:HD22	17	0.28
(1,315)	2:82:A:ILE:HD12	2:42:A:LEU:HD22	2	0.28
(1,309)	2:82:A:ILE:HG23	2:83:A:ALA:HB3	1	0.28
(1,309)	2:82:A:ILE:HG23	2:83:A:ALA:HB1	9	0.28
(1,309)	2:82:A:ILE:HG23	2:83:A:ALA:HB1	15	0.28
(1,286)	2:83:A:ALA:HA	2:9:B:LEU:HD22	15	0.28
(1,276)	2:83:A:ALA:HB3	2:82:A:ILE:HG23	1	0.28
(1,276)	2:83:A:ALA:HB1	2:82:A:ILE:HG23	9	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,276)	2:83:A:ALA:HB1	2:82:A:ILE:HG23	15	0.28
(1,266)	2:83:A:ALA:HB1	2:76:B:CYS:H	10	0.28
(1,266)	2:83:A:ALA:HB2	2:76:B:CYS:H	19	0.28
(1,254)	2:84:B:MET:HE1	2:81:B:CYS:H	3	0.28
(1,254)	2:84:B:MET:HE1	2:81:B:CYS:H	15	0.28
(1,251)	2:84:B:MET:HE2	2:81:B:CYS:HA	12	0.28
(1,248)	2:84:B:MET:HE1	2:80:B:SER:HB3	1	0.28
(1,246)	2:84:B:MET:HE2	1:1918:C:LYS:HE3	3	0.28
(1,235)	2:84:B:MET:HA	2:72:A:PHE:HE1	12	0.28
(1,235)	2:84:B:MET:HA	2:72:A:PHE:HE2	12	0.28
(1,176)	2:85:B:MET:HE1	1:1928:C:PHE:H	6	0.28
(1,149)	2:85:A:MET:HE1	2:45:A:PHE:HA	17	0.28
(2,18)	2:28:A:LYS:HD3	2:20:A:SER:HB2	10	0.27
(1,7000)	2:75:A:TYR:HD2	2:16:A:PHE:HD2	5	0.27
(1,6996)	2:72:B:PHE:HZ	2:13:B:VAL:HA	11	0.27
(1,6847)	2:83:A:ALA:H	2:72:B:PHE:HE1	4	0.27
(1,6847)	2:83:A:ALA:H	2:72:B:PHE:HE1	9	0.27
(1,6809)	2:61:A:ASN:H	2:59:A:MET:HB2	4	0.27
(1,6621)	2:2:A:ALA:HB2	2:4:A:PRO:HG3	2	0.27
(1,6621)	2:2:A:ALA:HB1	2:4:A:PRO:HG3	5	0.27
(1,6621)	2:2:B:ALA:HB3	2:4:B:PRO:HG3	6	0.27
(1,6621)	2:2:A:ALA:HB3	2:4:A:PRO:HG3	18	0.27
(1,6595)	2:5:B:LEU:HD22	2:78:A:PHE:HE2	19	0.27
(1,6564)	2:7:A:LYS:HB3	2:6:A:GLU:H	12	0.27
(1,6564)	2:7:A:LYS:HB3	2:6:A:GLU:H	16	0.27
(1,6555)	2:8:B:ALA:HB2	2:6:B:GLU:HA	20	0.27
(1,6551)	2:8:B:ALA:HB3	2:5:B:LEU:HD21	12	0.27
(1,6543)	2:8:B:ALA:HB2	2:10:B:ASP:HB2	11	0.27
(1,6537)	2:8:A:ALA:HB3	2:12:B:MET:HG3	15	0.27
(1,6533)	2:8:B:ALA:HA	2:11:B:VAL:HG11	15	0.27
(1,6493)	2:11:A:VAL:HG22	2:11:A:VAL:HA	7	0.27
(1,6493)	2:11:B:VAL:HG22	2:11:B:VAL:HA	11	0.27
(1,6493)	2:11:B:VAL:HG23	2:11:B:VAL:HA	14	0.27
(1,6493)	2:11:B:VAL:HG21	2:11:B:VAL:HA	15	0.27
(1,6462)	2:12:A:MET:HE2	2:84:B:MET:H	4	0.27
(1,6459)	2:12:A:MET:HE3	2:72:A:PHE:HE1	1	0.27
(1,6436)	2:12:B:MET:HE1	2:9:B:LEU:HD12	2	0.27
(1,6436)	2:12:B:MET:HE2	2:9:B:LEU:HD13	16	0.27
(1,6433)	2:12:B:MET:HG3	2:13:B:VAL:HG12	5	0.27
(1,6428)	2:13:B:VAL:HG21	2:72:B:PHE:HZ	17	0.27
(1,6418)	2:13:A:VAL:HG21	2:83:B:ALA:HB3	12	0.27
(1,6402)	2:15:A:THR:HG22	2:37:A:LEU:H	3	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6402)	2:15:A:THR:HG23	2:37:A:LEU:H	13	0.27
(1,6386)	2:18:B:LYS:HE3	2:19:B:TYR:HE2	1	0.27
(1,6333)	2:23:B:GLU:HG2	2:22:B:LYS:H	9	0.27
(1,6197)	2:33:A:GLU:HA	2:36:A:GLU:HB3	3	0.27
(1,6195)	2:33:A:GLU:HA	2:37:A:LEU:HD12	14	0.27
(1,6176)	2:34:A:LEU:HD12	2:33:A:GLU:HB2	11	0.27
(1,6176)	2:34:A:LEU:HD12	2:33:A:GLU:HB2	17	0.27
(1,6161)	2:36:A:GLU:HG2	2:19:A:TYR:HE1	13	0.27
(1,6158)	2:88:B:GLU:HG3	2:87:B:ASN:HA	8	0.27
(1,6145)	2:37:B:LEU:HD22	2:5:A:LEU:HD11	18	0.27
(1,6107)	2:38:B:LEU:HD13	2:34:B:LEU:HD13	20	0.27
(1,6099)	2:38:B:LEU:HD21	2:39:B:THR:HA	14	0.27
(1,6092)	2:38:A:LEU:HD23	2:42:A:LEU:HG	8	0.27
(1,6086)	2:38:A:LEU:HD23	2:55:A:PHE:HA	6	0.27
(1,6067)	2:40:B:ARG:HD3	2:19:B:TYR:HE2	18	0.27
(1,6010)	2:49:B:ARG:HD2	2:35:B:LYS:HD2	3	0.27
(1,5949)	2:59:A:MET:HE1	2:30:A:ASN:H	8	0.27
(1,5925)	2:62:B:LEU:HD13	2:58:B:LEU:HG	2	0.27
(1,5919)	2:62:B:LEU:HD13	2:34:B:LEU:HD23	20	0.27
(1,5845)	2:76:A:CYS:HA	2:73:A:GLN:HA	8	0.27
(1,5834)	2:77:B:VAL:HG11	2:62:B:LEU:HA	5	0.27
(1,5834)	2:77:B:VAL:HG11	2:62:B:LEU:HA	11	0.27
(1,5781)	2:82:A:ILE:HD11	2:42:A:LEU:HB2	12	0.27
(1,5761)	2:83:A:ALA:HB3	2:80:A:SER:H	16	0.27
(1,5741)	2:85:A:MET:HE1	2:58:A:LEU:HD23	10	0.27
(1,5712)	1:1897:C:GLN:HG2	1:1898:C:ARG:H	9	0.27
(1,5638)	1:1901:C:GLU:HB3	1:1905:C:GLU:HB2	12	0.27
(1,5622)	1:1903:C:ALA:HB1	1:1902:C:ASP:HB3	7	0.27
(1,5622)	1:1903:C:ALA:HB2	1:1902:C:ASP:HB3	7	0.27
(1,5622)	1:1903:C:ALA:HB3	1:1902:C:ASP:HB3	7	0.27
(1,5496)	1:1910:C:MET:HE2	2:80:A:SER:HB3	2	0.27
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG21	2	0.27
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG22	2	0.27
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG23	2	0.27
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG21	7	0.27
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG22	7	0.27
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG23	7	0.27
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG21	18	0.27
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG22	18	0.27
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG23	18	0.27
(1,5406)	1:1914:C:VAL:HG11	1:1918:C:LYS:HA	10	0.27
(1,5406)	1:1914:C:VAL:HG12	1:1918:C:LYS:HA	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5406)	1:1914:C:VAL:HG13	1:1918:C:LYS:HA	10	0.27
(1,5323)	1:1918:C:LYS:HB3	1:1917:C:LEU:HA	19	0.27
(1,5128)	1:1934:C:MET:HE1	2:13:A:VAL:HA	18	0.27
(1,5075)	1:1900:C:LEU:H	1:1897:C:GLN:HG2	19	0.27
(1,5053)	1:1904:C:THR:H	1:1902:C:ASP:HB3	8	0.27
(1,4994)	1:1910:C:MET:H	2:73:B:GLN:HB3	3	0.27
(1,4994)	1:1910:C:MET:H	2:73:B:GLN:HB3	19	0.27
(1,4982)	1:1911:C:ASN:HD22	1:1915:C:SER:HA	4	0.27
(1,4882)	1:1920:C:LYS:H	1:1918:C:LYS:HB3	10	0.27
(1,4860)	1:1923:C:ARG:H	1:1922:C:ARG:HD3	1	0.27
(1,4846)	1:1926:C:LEU:H	2:54:B:ALA:HA	18	0.27
(1,4599)	1:1917:C:LEU:HD21	1:1914:C:VAL:HA	6	0.27
(1,4599)	1:1917:C:LEU:HD22	1:1914:C:VAL:HA	6	0.27
(1,4599)	1:1917:C:LEU:HD23	1:1914:C:VAL:HA	6	0.27
(1,4594)	1:1914:C:VAL:H	1:1918:C:LYS:HB3	15	0.27
(1,4488)	2:60:B:SER:H	1:1926:C:LEU:HD21	12	0.27
(1,4484)	2:57:B:LYS:HD3	1:1924:C:GLY:H	6	0.27
(1,4484)	2:57:B:LYS:HD3	1:1924:C:GLY:H	8	0.27
(1,4422)	1:1921:C:LEU:HD21	1:1928:C:PHE:HZ	4	0.27
(1,4411)	2:46:B:LEU:HD11	1:1928:C:PHE:HD2	4	0.27
(1,4179)	2:46:A:LEU:HD22	1:1900:C:LEU:HG	2	0.27
(1,4179)	2:46:A:LEU:HD22	1:1900:C:LEU:HG	13	0.27
(1,4178)	2:46:A:LEU:HD23	1:1897:C:GLN:HG2	19	0.27
(1,4161)	2:54:A:ALA:HB3	1:1900:C:LEU:HG	9	0.27
(1,4155)	2:58:A:LEU:HD13	1:1903:C:ALA:H	9	0.27
(1,4058)	2:85:B:MET:HE3	1:1930:C:VAL:HB	19	0.27
(1,4046)	2:85:A:MET:HE2	1:1899:C:GLU:HB3	7	0.27
(1,4034)	2:82:B:ILE:HD12	1:1926:C:LEU:HD11	12	0.27
(1,4034)	2:82:B:ILE:HD12	1:1926:C:LEU:HD12	12	0.27
(1,4034)	2:82:B:ILE:HD12	1:1926:C:LEU:HD13	12	0.27
(1,4027)	2:82:B:ILE:HG22	1:1929:C:VAL:HG11	1	0.27
(1,4027)	2:82:B:ILE:HG22	1:1929:C:VAL:HG12	1	0.27
(1,4027)	2:82:B:ILE:HG22	1:1929:C:VAL:HG13	1	0.27
(1,4027)	2:82:B:ILE:HG21	1:1929:C:VAL:HG11	6	0.27
(1,4027)	2:82:B:ILE:HG21	1:1929:C:VAL:HG12	6	0.27
(1,4027)	2:82:B:ILE:HG21	1:1929:C:VAL:HG13	6	0.27
(1,4027)	2:82:B:ILE:HG21	1:1929:C:VAL:HG11	11	0.27
(1,4027)	2:82:B:ILE:HG21	1:1929:C:VAL:HG12	11	0.27
(1,4027)	2:82:B:ILE:HG21	1:1929:C:VAL:HG13	11	0.27
(1,4027)	2:82:B:ILE:HG21	1:1929:C:VAL:HG11	12	0.27
(1,4027)	2:82:B:ILE:HG21	1:1929:C:VAL:HG12	12	0.27
(1,4027)	2:82:B:ILE:HG21	1:1929:C:VAL:HG13	12	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4027)	2:82:B:ILE:HG22	1:1929:C:VAL:HG11	15	0.27
(1,4027)	2:82:B:ILE:HG22	1:1929:C:VAL:HG12	15	0.27
(1,4027)	2:82:B:ILE:HG22	1:1929:C:VAL:HG13	15	0.27
(1,2993)	2:62:A:LEU:H	2:60:A:SER:HB3	19	0.27
(1,2993)	2:62:A:LEU:H	2:60:A:SER:HB3	20	0.27
(1,2610)	2:2:A:ALA:H	2:2:B:ALA:HB1	11	0.27
(1,2600)	2:29:A:LEU:H	2:27:A:PHE:HD1	15	0.27
(1,2600)	2:29:A:LEU:H	2:27:A:PHE:HD2	15	0.27
(1,2591)	2:4:B:PRO:HG2	2:11:A:VAL:HG21	8	0.27
(1,2498)	2:5:B:LEU:HD11	2:75:A:TYR:HE1	16	0.27
(1,2498)	2:5:B:LEU:HD11	2:75:A:TYR:HE2	16	0.27
(1,2411)	2:9:A:LEU:HD22	2:83:B:ALA:HB1	18	0.27
(1,2410)	2:9:A:LEU:HD22	2:5:A:LEU:HG	6	0.27
(1,2390)	2:9:B:LEU:HD13	2:12:B:MET:HG3	14	0.27
(1,2383)	2:9:B:LEU:HD11	2:82:A:ILE:HG13	13	0.27
(1,2377)	2:9:B:LEU:HD12	2:82:A:ILE:HG22	18	0.27
(1,2299)	2:12:A:MET:HG3	2:5:B:LEU:HD21	6	0.27
(1,2271)	2:12:B:MET:HE3	2:79:B:LEU:HA	2	0.27
(1,2221)	2:13:A:VAL:HG13	2:86:B:CYS:HB3	14	0.27
(1,2220)	2:13:A:VAL:HG11	2:83:B:ALA:HB3	6	0.27
(1,2220)	2:13:A:VAL:HG11	2:83:B:ALA:HB3	9	0.27
(1,2045)	2:28:A:LYS:HA	2:75:A:TYR:HD1	17	0.27
(1,2045)	2:28:A:LYS:HA	2:75:A:TYR:HD2	17	0.27
(1,1960)	2:34:B:LEU:HD22	2:29:B:LEU:HD11	6	0.27
(1,1937)	2:34:B:LEU:HD13	2:62:B:LEU:HD21	4	0.27
(1,1937)	2:34:B:LEU:HD13	2:62:B:LEU:HD22	19	0.27
(1,1853)	2:35:A:LYS:HE3	2:35:A:LYS:H	8	0.27
(1,1792)	2:36:A:GLU:HB3	2:33:A:GLU:HA	7	0.27
(1,1790)	2:36:A:GLU:HB2	2:39:A:THR:HG22	4	0.27
(1,1790)	2:36:A:GLU:HB2	2:39:A:THR:HG21	6	0.27
(1,1737)	2:38:B:LEU:HD12	2:55:B:PHE:HE1	16	0.27
(1,1737)	2:38:B:LEU:HD12	2:55:B:PHE:HE2	16	0.27
(1,1691)	2:38:A:LEU:HD22	2:39:A:THR:H	17	0.27
(1,1661)	2:39:A:THR:HG22	2:55:A:PHE:HE1	16	0.27
(1,1591)	2:42:B:LEU:HD11	2:6:A:GLU:HB2	11	0.27
(1,1548)	2:42:A:LEU:HD12	2:37:A:LEU:HB3	4	0.27
(1,1460)	2:46:A:LEU:HD22	2:47:A:GLY:H	2	0.27
(1,1460)	2:46:A:LEU:HD23	2:47:A:GLY:H	10	0.27
(1,1460)	2:46:A:LEU:HD21	2:47:A:GLY:H	20	0.27
(1,1420)	2:49:B:ARG:HD3	2:46:B:LEU:HB2	17	0.27
(1,1407)	2:49:A:ARG:HG2	2:54:A:ALA:HB3	11	0.27
(1,1302)	2:54:B:ALA:HB2	2:55:B:PHE:H	5	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1302)	2:54:B:ALA:HB3	2:55:B:PHE:H	10	0.27
(1,1290)	2:54:A:ALA:HB3	1:1897:C:GLN:HG2	15	0.27
(1,1270)	2:56:B:GLN:HB2	2:57:B:LYS:HB2	3	0.27
(1,1270)	2:56:B:GLN:HB2	2:57:B:LYS:HB2	20	0.27
(1,1201)	2:58:B:LEU:HD13	1:1928:C:PHE:HZ	17	0.27
(1,1155)	2:58:A:LEU:HD23	2:85:A:MET:HE1	10	0.27
(1,1100)	2:59:B:MET:HE3	2:31:B:LYS:H	2	0.27
(1,1092)	2:59:B:MET:HE2	2:61:B:ASN:H	19	0.27
(1,1085)	2:59:B:MET:HE2	2:31:B:LYS:HA	5	0.27
(1,1031)	2:59:A:MET:HE3	2:59:A:MET:HG3	19	0.27
(1,993)	2:60:B:SER:HB3	2:62:B:LEU:H	9	0.27
(1,942)	2:62:B:LEU:HD23	2:74:B:GLU:HG3	3	0.27
(1,904)	2:62:A:LEU:HD11	2:58:A:LEU:HA	3	0.27
(1,900)	2:62:A:LEU:HD13	2:61:A:ASN:HB3	16	0.27
(1,805)	2:68:A:ASN:HB3	2:68:A:ASN:HD21	14	0.27
(1,744)	2:70:A:VAL:HG22	2:75:A:TYR:H	3	0.27
(1,735)	2:70:A:VAL:HG21	2:62:A:LEU:HB2	8	0.27
(1,617)	2:77:B:VAL:HG22	1:1917:C:LEU:HB2	14	0.27
(1,525)	2:79:B:LEU:HD21	2:82:B:ILE:HB	12	0.27
(1,510)	2:79:B:LEU:HD11	2:12:B:MET:HG2	13	0.27
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE1	3	0.27
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE2	3	0.27
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE1	12	0.27
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE2	12	0.27
(1,448)	2:79:A:LEU:HD12	2:76:A:CYS:HA	19	0.27
(1,387)	2:82:B:ILE:HD11	2:82:B:ILE:HA	4	0.27
(1,354)	2:82:B:ILE:HG22	2:45:B:PHE:HE1	17	0.27
(1,354)	2:82:B:ILE:HG22	2:45:B:PHE:HE2	17	0.27
(1,309)	2:82:A:ILE:HG23	2:83:A:ALA:HB2	12	0.27
(1,286)	2:83:A:ALA:HA	2:9:B:LEU:HD21	5	0.27
(1,276)	2:83:A:ALA:HB2	2:82:A:ILE:HG23	12	0.27
(1,254)	2:84:B:MET:HE1	2:81:B:CYS:H	8	0.27
(1,248)	2:84:B:MET:HE1	2:80:B:SER:HB3	16	0.27
(1,246)	2:84:B:MET:HE2	1:1918:C:LYS:HE3	7	0.27
(1,214)	2:84:A:MET:HE1	2:72:B:PHE:HE1	18	0.27
(1,214)	2:84:A:MET:HE1	2:72:B:PHE:HE2	18	0.27
(1,213)	2:84:A:MET:HE1	2:72:B:PHE:HD1	5	0.27
(1,213)	2:84:A:MET:HE1	2:72:B:PHE:HD2	5	0.27
(1,207)	2:84:A:MET:HE1	2:81:A:CYS:HG	8	0.27
(1,203)	2:84:A:MET:HE3	1:1906:C:THR:HG21	8	0.27
(1,203)	2:84:A:MET:HE3	1:1906:C:THR:HG22	8	0.27
(1,203)	2:84:A:MET:HE3	1:1906:C:THR:HG23	8	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,203)	2:84:A:MET:HE3	1:1906:C:THR:HG21	11	0.27
(1,203)	2:84:A:MET:HE3	1:1906:C:THR:HG22	11	0.27
(1,203)	2:84:A:MET:HE3	1:1906:C:THR:HG23	11	0.27
(1,178)	2:85:B:MET:HE1	1:1928:C:PHE:HZ	12	0.27
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG21	3	0.27
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG22	3	0.27
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG23	3	0.27
(1,146)	2:85:A:MET:HE2	1:1900:C:LEU:HA	1	0.27
(1,128)	2:85:A:MET:HE1	2:45:A:PHE:H	8	0.27
(1,128)	2:85:A:MET:HE1	2:45:A:PHE:H	15	0.27
(1,4)	2:93:B:PHE:HA	2:93:B:PHE:HB2	9	0.27
(2,18)	2:28:A:LYS:HD3	2:20:A:SER:HB2	4	0.26
(1,7019)	2:19:B:TYR:HE2	2:37:B:LEU:HA	13	0.26
(1,6996)	2:72:B:PHE:HZ	2:13:B:VAL:HA	2	0.26
(1,6996)	2:72:A:PHE:HZ	2:13:A:VAL:HA	6	0.26
(1,6949)	2:80:B:SER:H	2:82:B:ILE:HG13	16	0.26
(1,6949)	2:80:B:SER:H	2:82:B:ILE:HG13	17	0.26
(1,6847)	2:83:A:ALA:H	2:45:A:PHE:HE1	13	0.26
(1,6847)	2:83:A:ALA:H	2:72:B:PHE:HE1	15	0.26
(1,6621)	2:2:B:ALA:HB2	2:4:B:PRO:HG3	8	0.26
(1,6592)	2:5:B:LEU:HD23	2:79:A:LEU:HG	16	0.26
(1,6552)	2:8:B:ALA:HB1	2:7:B:LYS:HB3	6	0.26
(1,6524)	2:9:A:LEU:HD12	2:6:A:GLU:HA	10	0.26
(1,6524)	2:9:A:LEU:HD13	2:6:A:GLU:HA	14	0.26
(1,6459)	2:12:A:MET:HE3	2:72:A:PHE:HE1	11	0.26
(1,6436)	2:12:B:MET:HE2	2:9:B:LEU:HD13	13	0.26
(1,6433)	2:12:B:MET:HG3	2:13:B:VAL:HG12	4	0.26
(1,6424)	2:13:B:VAL:HG23	2:87:A:ASN:HA	3	0.26
(1,6424)	2:13:B:VAL:HG22	2:87:A:ASN:HA	9	0.26
(1,6301)	2:26:A:LYS:HD3	2:27:A:PHE:HE2	8	0.26
(1,6235)	2:29:A:LEU:HD11	2:34:A:LEU:H	19	0.26
(1,6235)	2:29:A:LEU:HD11	2:34:A:LEU:H	20	0.26
(1,6193)	2:34:B:LEU:HD23	2:37:B:LEU:HA	7	0.26
(1,6176)	2:34:A:LEU:HD12	2:33:A:GLU:HB2	2	0.26
(1,6158)	2:88:B:GLU:HG3	2:86:B:CYS:HA	13	0.26
(1,6147)	2:37:B:LEU:HD21	2:15:B:THR:HG22	8	0.26
(1,6130)	2:37:B:LEU:HD13	2:19:B:TYR:HE1	18	0.26
(1,6130)	2:37:B:LEU:HD11	2:19:B:TYR:HE2	19	0.26
(1,6108)	2:38:B:LEU:HD12	2:34:B:LEU:HD23	18	0.26
(1,6096)	2:38:A:LEU:HD22	2:62:A:LEU:HD22	14	0.26
(1,5993)	2:54:B:ALA:HB3	2:57:B:LYS:HD3	9	0.26
(1,5973)	2:58:B:LEU:HD22	2:38:B:LEU:HD11	14	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5934)	2:55:B:PHE:HA	2:56:B:GLN:HG2	6	0.26
(1,5921)	2:62:B:LEU:HD21	1:1917:C:LEU:HD21	19	0.26
(1,5919)	2:62:B:LEU:HD13	2:34:B:LEU:HD23	19	0.26
(1,5897)	2:62:A:LEU:HD23	2:59:A:MET:HE3	15	0.26
(1,5891)	2:64:B:SER:HB2	2:65:B:ASN:HB3	1	0.26
(1,5845)	2:76:A:CYS:HA	2:73:A:GLN:HA	9	0.26
(1,5814)	2:79:B:LEU:HD13	2:9:A:LEU:HD22	3	0.26
(1,5788)	2:82:B:ILE:HG22	2:9:A:LEU:HD21	3	0.26
(1,5781)	2:82:A:ILE:HD11	2:42:A:LEU:HB2	13	0.26
(1,5781)	2:82:A:ILE:HD11	2:42:A:LEU:HB2	17	0.26
(1,5756)	2:84:B:MET:HE2	1:1918:C:LYS:HA	6	0.26
(1,5755)	2:84:B:MET:HE1	2:76:A:CYS:HB3	17	0.26
(1,5745)	2:85:B:MET:HE3	2:86:B:CYS:HB2	16	0.26
(1,5394)	1:1914:C:VAL:HG11	2:77:A:VAL:HA	2	0.26
(1,5391)	1:1914:C:VAL:HG12	2:77:B:VAL:HB	20	0.26
(1,5353)	1:1917:C:LEU:HD11	1:1920:C:LYS:HG3	19	0.26
(1,5353)	1:1917:C:LEU:HD12	1:1920:C:LYS:HG3	19	0.26
(1,5353)	1:1917:C:LEU:HD13	1:1920:C:LYS:HG3	19	0.26
(1,5323)	1:1918:C:LYS:HB3	1:1917:C:LEU:HA	13	0.26
(1,5323)	1:1918:C:LYS:HB3	1:1917:C:LEU:HA	20	0.26
(1,5081)	1:1899:C:GLU:H	2:45:A:PHE:HB3	12	0.26
(1,4994)	1:1910:C:MET:H	2:73:B:GLN:HB3	8	0.26
(1,4994)	1:1910:C:MET:H	2:73:B:GLN:HB3	17	0.26
(1,4994)	1:1910:C:MET:H	2:73:B:GLN:HB3	18	0.26
(1,4982)	1:1911:C:ASN:HD22	1:1915:C:SER:HA	9	0.26
(1,4982)	1:1911:C:ASN:HD22	1:1915:C:SER:HA	13	0.26
(1,4879)	1:1920:C:LYS:H	1:1926:C:LEU:HG	2	0.26
(1,4860)	1:1923:C:ARG:H	1:1922:C:ARG:HD3	12	0.26
(1,4842)	1:1926:C:LEU:H	1:1926:C:LEU:HB2	7	0.26
(1,4724)	2:82:A:ILE:HD12	1:1900:C:LEU:HD21	2	0.26
(1,4724)	2:82:A:ILE:HD12	1:1900:C:LEU:HD22	2	0.26
(1,4724)	2:82:A:ILE:HD12	1:1900:C:LEU:HD23	2	0.26
(1,4724)	2:82:A:ILE:HD13	1:1900:C:LEU:HD21	14	0.26
(1,4724)	2:82:A:ILE:HD13	1:1900:C:LEU:HD22	14	0.26
(1,4724)	2:82:A:ILE:HD13	1:1900:C:LEU:HD23	14	0.26
(1,4594)	2:83:B:ALA:H	1:1918:C:LYS:HB3	13	0.26
(1,4594)	1:1914:C:VAL:H	1:1918:C:LYS:HB3	17	0.26
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD11	4	0.26
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD12	4	0.26
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD13	4	0.26
(1,4484)	2:57:B:LYS:HD3	1:1924:C:GLY:H	19	0.26
(1,4179)	2:46:A:LEU:HD22	1:1900:C:LEU:HG	1	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4179)	2:46:A:LEU:HD23	1:1900:C:LEU:HG	16	0.26
(1,4161)	2:54:A:ALA:HB3	1:1900:C:LEU:HG	10	0.26
(1,4155)	2:58:A:LEU:HD12	1:1903:C:ALA:H	3	0.26
(1,4062)	2:85:B:MET:HE1	1:1922:C:ARG:HD3	2	0.26
(1,4054)	2:85:B:MET:HE1	1:1921:C:LEU:HD11	14	0.26
(1,4054)	2:85:B:MET:HE1	1:1921:C:LEU:HD12	14	0.26
(1,4054)	2:85:B:MET:HE1	1:1921:C:LEU:HD13	14	0.26
(1,4046)	2:85:A:MET:HE2	1:1899:C:GLU:HB3	16	0.26
(1,4027)	2:82:B:ILE:HG21	1:1929:C:VAL:HG11	2	0.26
(1,4027)	2:82:B:ILE:HG21	1:1929:C:VAL:HG12	2	0.26
(1,4027)	2:82:B:ILE:HG21	1:1929:C:VAL:HG13	2	0.26
(1,4027)	2:82:B:ILE:HG21	1:1929:C:VAL:HG11	4	0.26
(1,4027)	2:82:B:ILE:HG21	1:1929:C:VAL:HG12	4	0.26
(1,4027)	2:82:B:ILE:HG21	1:1929:C:VAL:HG13	4	0.26
(1,4019)	2:38:B:LEU:HD12	1:1928:C:PHE:HD2	16	0.26
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD11	3	0.26
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD12	3	0.26
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD13	3	0.26
(1,3796)	2:27:B:PHE:H	2:27:B:PHE:HD1	19	0.26
(1,3796)	2:27:B:PHE:H	2:27:B:PHE:HD2	19	0.26
(1,3745)	2:93:B:PHE:H	2:94:B:PRO:HA	16	0.26
(1,3252)	2:2:B:ALA:H	2:4:B:PRO:HG3	20	0.26
(1,3064)	2:73:A:GLN:H	2:74:A:GLU:HB3	9	0.26
(1,2993)	2:62:A:LEU:H	2:60:A:SER:HB3	15	0.26
(1,2993)	2:62:A:LEU:H	2:60:A:SER:HB3	18	0.26
(1,2618)	2:3:A:CYS:H	2:41:B:GLU:HG2	13	0.26
(1,2610)	2:2:A:ALA:H	2:2:B:ALA:HB1	13	0.26
(1,2610)	2:2:A:ALA:H	2:2:B:ALA:HB1	19	0.26
(1,2591)	2:4:B:PRO:HG2	2:11:A:VAL:HG21	3	0.26
(1,2591)	2:4:B:PRO:HG2	2:11:A:VAL:HG21	16	0.26
(1,2554)	2:5:A:LEU:HD23	2:9:A:LEU:HD12	10	0.26
(1,2514)	2:5:B:LEU:HD23	2:8:B:ALA:HB2	3	0.26
(1,2498)	2:5:B:LEU:HD12	2:75:A:TYR:HE1	9	0.26
(1,2498)	2:5:B:LEU:HD12	2:75:A:TYR:HE2	9	0.26
(1,2498)	2:5:B:LEU:HD12	2:75:A:TYR:HE1	20	0.26
(1,2498)	2:5:B:LEU:HD12	2:75:A:TYR:HE2	20	0.26
(1,2383)	2:9:B:LEU:HD13	2:82:A:ILE:HG13	4	0.26
(1,2331)	2:11:A:VAL:HG13	2:7:A:LYS:HG2	10	0.26
(1,2313)	2:12:A:MET:HE3	2:9:B:LEU:H	10	0.26
(1,2312)	2:12:A:MET:HE3	2:78:A:PHE:HD1	8	0.26
(1,2312)	2:12:A:MET:HE3	2:78:A:PHE:HD2	8	0.26
(1,2311)	2:12:A:MET:HE1	2:12:A:MET:HA	20	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2307)	2:12:A:MET:HE3	2:12:A:MET:HG2	5	0.26
(1,2307)	2:12:A:MET:HE3	2:12:A:MET:HG2	19	0.26
(1,2300)	2:12:A:MET:HE3	2:79:A:LEU:HD13	8	0.26
(1,2229)	2:13:B:VAL:HG21	2:13:B:VAL:HA	11	0.26
(1,2221)	2:13:A:VAL:HG12	2:86:B:CYS:HB3	19	0.26
(1,2220)	2:13:A:VAL:HG12	2:83:B:ALA:HB3	3	0.26
(1,2220)	2:13:A:VAL:HG12	2:83:B:ALA:HB3	11	0.26
(1,2220)	2:13:A:VAL:HG12	2:83:B:ALA:HB3	13	0.26
(1,2220)	2:13:A:VAL:HG12	2:83:B:ALA:HB1	15	0.26
(1,2181)	2:15:B:THR:HG23	2:41:B:GLU:HB2	7	0.26
(1,2039)	2:29:B:LEU:HD11	2:34:B:LEU:HA	18	0.26
(1,1961)	2:34:B:LEU:HD22	2:62:B:LEU:HD11	16	0.26
(1,1937)	2:34:B:LEU:HD13	2:62:B:LEU:HD21	13	0.26
(1,1937)	2:34:B:LEU:HD13	2:62:B:LEU:HD22	15	0.26
(1,1792)	2:36:A:GLU:HB3	2:33:A:GLU:HA	1	0.26
(1,1736)	2:38:B:LEU:HD23	2:38:B:LEU:HA	4	0.26
(1,1736)	2:38:B:LEU:HD23	2:38:B:LEU:HA	13	0.26
(1,1732)	2:38:B:LEU:HD11	2:35:B:LYS:HA	5	0.26
(1,1709)	2:38:A:LEU:HD13	2:42:A:LEU:HD21	6	0.26
(1,1700)	2:38:A:LEU:HD21	2:55:A:PHE:HE1	20	0.26
(1,1700)	2:38:A:LEU:HD21	2:55:A:PHE:HE2	20	0.26
(1,1597)	2:42:B:LEU:HD11	2:43:B:PRO:HD3	3	0.26
(1,1597)	2:42:B:LEU:HD11	2:43:B:PRO:HD3	17	0.26
(1,1591)	2:42:B:LEU:HD11	2:6:A:GLU:HB2	17	0.26
(1,1567)	2:42:A:LEU:HD13	2:78:A:PHE:HE1	20	0.26
(1,1567)	2:42:A:LEU:HD13	2:78:A:PHE:HE2	20	0.26
(1,1465)	2:46:A:LEU:HD22	2:55:A:PHE:HE2	3	0.26
(1,1459)	2:46:A:LEU:HD11	2:47:A:GLY:H	17	0.26
(1,1385)	2:50:B:THR:HG21	1:1928:C:PHE:HD1	13	0.26
(1,1385)	2:50:B:THR:HG21	1:1928:C:PHE:HD2	13	0.26
(1,1345)	2:52:A:GLU:HG2	2:55:A:PHE:HB3	17	0.26
(1,1283)	2:54:A:ALA:HB2	1:1897:C:GLN:HE22	11	0.26
(1,1201)	2:58:B:LEU:HD11	1:1928:C:PHE:HZ	10	0.26
(1,1142)	2:58:A:LEU:HD11	1:1904:C:THR:HG21	5	0.26
(1,1142)	2:58:A:LEU:HD11	1:1904:C:THR:HG22	5	0.26
(1,1142)	2:58:A:LEU:HD11	1:1904:C:THR:HG23	5	0.26
(1,1107)	2:59:B:MET:HE3	2:71:B:ASP:H	8	0.26
(1,1085)	2:59:B:MET:HE1	2:31:B:LYS:HA	11	0.26
(1,1085)	2:59:B:MET:HE1	2:31:B:LYS:HA	18	0.26
(1,1080)	2:59:B:MET:HE2	2:59:B:MET:HG2	18	0.26
(1,1078)	2:59:B:MET:HE1	2:59:B:MET:HB2	6	0.26
(1,1075)	2:59:B:MET:HE3	2:29:B:LEU:HB3	11	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1075)	2:59:B:MET:HE1	2:29:B:LEU:HB3	14	0.26
(1,1051)	2:59:A:MET:HE2	2:68:A:ASN:H	15	0.26
(1,1045)	2:59:A:MET:HE1	2:31:A:LYS:H	3	0.26
(1,1043)	2:59:A:MET:HE1	2:60:A:SER:H	10	0.26
(1,1028)	2:59:A:MET:HE3	2:34:A:LEU:HD12	6	0.26
(1,988)	2:60:A:SER:HB2	2:59:A:MET:HB2	16	0.26
(1,988)	2:60:A:SER:HB2	2:59:A:MET:HB2	19	0.26
(1,904)	2:62:A:LEU:HD13	2:58:A:LEU:HA	13	0.26
(1,805)	2:68:A:ASN:HB3	2:68:A:ASN:HD21	18	0.26
(1,781)	2:70:B:VAL:HG21	2:62:B:LEU:HD21	2	0.26
(1,731)	2:70:A:VAL:HG12	2:74:A:GLU:HG2	3	0.26
(1,612)	2:77:B:VAL:HG21	2:77:B:VAL:HB	7	0.26
(1,612)	2:77:B:VAL:HG22	2:77:B:VAL:HB	15	0.26
(1,610)	2:77:B:VAL:HG13	2:73:B:GLN:HG2	17	0.26
(1,525)	2:79:B:LEU:HD21	2:82:B:ILE:HB	1	0.26
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE1	9	0.26
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE2	9	0.26
(1,448)	2:79:A:LEU:HD11	2:76:A:CYS:HA	16	0.26
(1,448)	2:79:A:LEU:HD12	2:76:A:CYS:HA	18	0.26
(1,353)	2:82:B:ILE:HG21	1:1928:C:PHE:HZ	3	0.26
(1,315)	2:82:A:ILE:HD13	2:42:A:LEU:HD22	13	0.26
(1,309)	2:82:A:ILE:HG23	2:83:A:ALA:HB3	3	0.26
(1,276)	2:83:A:ALA:HB3	2:82:A:ILE:HG23	3	0.26
(1,266)	2:83:A:ALA:HB1	2:76:B:CYS:H	5	0.26
(1,254)	2:84:B:MET:HE1	2:81:B:CYS:H	13	0.26
(1,251)	2:84:B:MET:HE2	2:81:B:CYS:HA	11	0.26
(1,248)	2:84:B:MET:HE1	2:80:B:SER:HB3	15	0.26
(1,248)	2:84:B:MET:HE1	2:80:B:SER:HB3	20	0.26
(1,246)	2:84:B:MET:HE2	1:1918:C:LYS:HE3	1	0.26
(1,214)	2:84:A:MET:HE1	2:72:B:PHE:HE1	17	0.26
(1,214)	2:84:A:MET:HE1	2:72:B:PHE:HE2	17	0.26
(1,174)	2:85:B:MET:HE2	2:85:B:MET:HA	3	0.26
(1,174)	2:85:B:MET:HE2	2:85:B:MET:HA	4	0.26
(1,174)	2:85:B:MET:HE2	2:85:B:MET:HA	11	0.26
(1,174)	2:85:B:MET:HE2	2:85:B:MET:HA	17	0.26
(1,128)	2:85:A:MET:HE1	2:45:A:PHE:H	7	0.26
(1,4)	2:93:B:PHE:HA	2:93:B:PHE:HB2	1	0.26
(2,49)	1:1935:C:ALA:HB1	1:1932:C:ARG:HA	17	0.25
(2,49)	1:1935:C:ALA:HB2	1:1932:C:ARG:HA	17	0.25
(2,49)	1:1935:C:ALA:HB3	1:1932:C:ARG:HA	17	0.25
(2,18)	2:28:A:LYS:HD3	2:20:A:SER:HB2	16	0.25
(1,7026)	2:19:B:TYR:HE1	2:18:B:LYS:HD3	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6903)	2:50:B:THR:H	2:54:B:ALA:HB3	17	0.25
(1,6809)	2:61:A:ASN:H	2:59:A:MET:HB2	7	0.25
(1,6809)	2:61:A:ASN:H	2:59:A:MET:HB2	9	0.25
(1,6601)	2:5:A:LEU:HD21	2:12:B:MET:HE1	14	0.25
(1,6564)	2:7:A:LYS:HB3	2:6:A:GLU:H	6	0.25
(1,6556)	2:8:A:ALA:HB3	2:11:B:VAL:HA	14	0.25
(1,6555)	2:8:A:ALA:HB3	2:6:A:GLU:HA	4	0.25
(1,6555)	2:8:A:ALA:HB3	2:6:A:GLU:HA	9	0.25
(1,6555)	2:8:A:ALA:HB3	2:6:A:GLU:HA	10	0.25
(1,6555)	2:8:B:ALA:HB2	2:6:B:GLU:HA	16	0.25
(1,6551)	2:8:B:ALA:HB1	2:5:B:LEU:HD21	8	0.25
(1,6533)	2:8:B:ALA:HA	2:11:B:VAL:HG12	14	0.25
(1,6516)	2:9:B:LEU:HD21	2:12:B:MET:HG3	5	0.25
(1,6488)	2:11:B:VAL:HG12	2:8:B:ALA:H	8	0.25
(1,6483)	2:11:A:VAL:HG11	2:10:A:ASP:HB3	11	0.25
(1,6458)	2:12:A:MET:HE3	2:75:A:TYR:HD1	19	0.25
(1,6436)	2:12:B:MET:HE1	2:9:B:LEU:HD12	4	0.25
(1,6402)	2:15:A:THR:HG23	2:37:A:LEU:H	14	0.25
(1,6399)	2:15:A:THR:HG23	2:41:A:GLU:HA	11	0.25
(1,6399)	2:15:A:THR:HG23	2:41:A:GLU:HA	15	0.25
(1,6384)	2:18:B:LYS:HD3	2:19:B:TYR:HE1	7	0.25
(1,6235)	2:29:A:LEU:HD11	2:34:A:LEU:H	11	0.25
(1,6195)	2:33:B:GLU:HA	2:37:B:LEU:HD11	18	0.25
(1,6195)	2:33:A:GLU:HA	2:37:A:LEU:HD11	19	0.25
(1,6193)	2:34:B:LEU:HD21	2:37:B:LEU:HA	9	0.25
(1,6145)	2:37:B:LEU:HD21	2:5:A:LEU:HD22	17	0.25
(1,6130)	2:37:B:LEU:HD11	2:19:B:TYR:HE1	7	0.25
(1,6105)	2:38:B:LEU:HD21	2:58:B:LEU:HD22	7	0.25
(1,6105)	2:38:B:LEU:HD22	2:58:B:LEU:HD22	8	0.25
(1,6096)	2:38:A:LEU:HD22	2:62:A:LEU:HD23	6	0.25
(1,6093)	2:38:A:LEU:HD22	2:58:A:LEU:HG	19	0.25
(1,6092)	2:38:A:LEU:HD22	2:42:A:LEU:HG	7	0.25
(1,6031)	2:42:A:LEU:HD12	2:38:A:LEU:HB3	9	0.25
(1,6010)	2:49:B:ARG:HD2	2:35:B:LYS:HD2	15	0.25
(1,5974)	2:58:B:LEU:HD23	1:1928:C:PHE:HB2	2	0.25
(1,5974)	2:58:B:LEU:HD23	1:1928:C:PHE:HB2	8	0.25
(1,5971)	2:58:B:LEU:HD11	1:1921:C:LEU:HB2	8	0.25
(1,5955)	2:59:B:MET:HB2	2:56:B:GLN:HA	8	0.25
(1,5949)	2:59:A:MET:HE1	2:30:A:ASN:H	4	0.25
(1,5949)	2:59:A:MET:HE1	2:30:A:ASN:H	12	0.25
(1,5929)	2:62:B:LEU:HD13	1:1918:C:LYS:HA	1	0.25
(1,5921)	2:62:B:LEU:HD23	1:1917:C:LEU:HD22	13	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5834)	2:77:B:VAL:HG12	2:62:B:LEU:HA	9	0.25
(1,5806)	2:79:A:LEU:HD22	2:12:A:MET:HG3	19	0.25
(1,5788)	2:82:B:ILE:HG22	2:42:B:LEU:HD23	4	0.25
(1,5781)	2:82:A:ILE:HD11	2:42:A:LEU:HB2	11	0.25
(1,5777)	2:83:B:ALA:HB3	2:13:A:VAL:HG12	12	0.25
(1,5764)	2:83:A:ALA:HB2	2:72:B:PHE:HE1	16	0.25
(1,5756)	2:84:B:MET:HE2	1:1918:C:LYS:HA	1	0.25
(1,5745)	2:85:B:MET:HE3	2:86:B:CYS:HB2	17	0.25
(1,5661)	1:1900:C:LEU:HD13	2:45:A:PHE:HA	1	0.25
(1,5661)	1:1900:C:LEU:HD13	2:45:A:PHE:HA	19	0.25
(1,5482)	1:1910:C:MET:HG3	2:73:B:GLN:HB3	4	0.25
(1,5400)	1:1914:C:VAL:HG23	2:81:B:CYS:HB3	19	0.25
(1,5391)	1:1914:C:VAL:HG12	2:77:B:VAL:HB	6	0.25
(1,5323)	1:1918:C:LYS:HB3	1:1917:C:LEU:HA	9	0.25
(1,4994)	1:1910:C:MET:H	2:73:B:GLN:HB3	13	0.25
(1,4994)	1:1910:C:MET:H	2:73:B:GLN:HB3	20	0.25
(1,4795)	1:1933:C:ARG:H	1:1933:C:ARG:HG2	11	0.25
(1,4724)	2:82:A:ILE:HD13	1:1900:C:LEU:HD21	12	0.25
(1,4724)	2:82:A:ILE:HD13	1:1900:C:LEU:HD22	12	0.25
(1,4724)	2:82:A:ILE:HD13	1:1900:C:LEU:HD23	12	0.25
(1,4717)	1:1898:C:ARG:H	1:1898:C:ARG:HB2	6	0.25
(1,4564)	1:1917:C:LEU:HD21	1:1917:C:LEU:HB3	5	0.25
(1,4564)	1:1917:C:LEU:HD22	1:1917:C:LEU:HB3	5	0.25
(1,4564)	1:1917:C:LEU:HD23	1:1917:C:LEU:HB3	5	0.25
(1,4533)	1:1923:C:ARG:HB3	1:1920:C:LYS:HA	20	0.25
(1,4484)	2:57:B:LYS:HD3	1:1924:C:GLY:H	9	0.25
(1,4484)	2:57:B:LYS:HD3	1:1924:C:GLY:H	20	0.25
(1,4422)	2:58:B:LEU:HD11	1:1928:C:PHE:HZ	12	0.25
(1,4179)	2:46:A:LEU:HD21	1:1900:C:LEU:HG	9	0.25
(1,4155)	2:58:A:LEU:HD11	1:1903:C:ALA:H	6	0.25
(1,4092)	2:84:B:MET:HE3	1:1911:C:ASN:HA	4	0.25
(1,4086)	2:84:B:MET:HE2	1:1918:C:LYS:HD3	15	0.25
(1,4055)	2:85:B:MET:HE2	1:1918:C:LYS:HG2	10	0.25
(1,4046)	2:85:A:MET:HE2	1:1899:C:GLU:HB3	4	0.25
(1,4046)	2:85:A:MET:HE2	1:1899:C:GLU:HB3	10	0.25
(1,4046)	2:85:A:MET:HE2	1:1899:C:GLU:HB3	19	0.25
(1,4011)	2:46:B:LEU:HD11	1:1928:C:PHE:HD1	2	0.25
(1,4011)	2:46:B:LEU:HD11	1:1928:C:PHE:HD2	2	0.25
(1,4011)	2:46:B:LEU:HD11	1:1928:C:PHE:HD1	18	0.25
(1,4011)	2:46:B:LEU:HD11	1:1928:C:PHE:HD2	18	0.25
(1,3923)	2:58:A:LEU:HD23	1:1903:C:ALA:HB1	13	0.25
(1,3923)	2:58:A:LEU:HD23	1:1903:C:ALA:HB2	13	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3923)	2:58:A:LEU:HD23	1:1903:C:ALA:HB3	13	0.25
(1,3904)	2:38:A:LEU:HD13	1:1900:C:LEU:HD21	15	0.25
(1,3904)	2:38:A:LEU:HD13	1:1900:C:LEU:HD22	15	0.25
(1,3904)	2:38:A:LEU:HD13	1:1900:C:LEU:HD23	15	0.25
(1,3796)	2:27:B:PHE:H	2:27:B:PHE:HD1	8	0.25
(1,3796)	2:27:B:PHE:H	2:27:B:PHE:HD2	8	0.25
(1,3224)	2:93:A:PHE:H	2:93:A:PHE:HB3	17	0.25
(1,3163)	2:86:A:CYS:H	2:9:B:LEU:HB2	8	0.25
(1,3163)	2:86:A:CYS:H	2:9:B:LEU:HB2	11	0.25
(1,2904)	2:51:A:ASP:H	2:46:A:LEU:HB3	2	0.25
(1,2890)	2:49:A:ARG:H	2:50:A:THR:HG21	7	0.25
(1,2618)	2:3:A:CYS:H	2:41:B:GLU:HG2	7	0.25
(1,2618)	2:3:A:CYS:H	2:41:B:GLU:HG2	20	0.25
(1,2610)	2:2:A:ALA:H	2:2:B:ALA:HB2	6	0.25
(1,2610)	2:2:A:ALA:H	2:2:B:ALA:HB1	12	0.25
(1,2600)	2:29:A:LEU:H	2:27:A:PHE:HD1	14	0.25
(1,2600)	2:29:A:LEU:H	2:27:A:PHE:HD2	14	0.25
(1,2554)	2:5:A:LEU:HD21	2:9:A:LEU:HD12	20	0.25
(1,2517)	2:5:B:LEU:HD23	2:9:B:LEU:HD11	7	0.25
(1,2498)	2:5:B:LEU:HD11	2:75:A:TYR:HE1	5	0.25
(1,2498)	2:5:B:LEU:HD11	2:75:A:TYR:HE2	5	0.25
(1,2498)	2:5:B:LEU:HD11	2:75:A:TYR:HE1	7	0.25
(1,2498)	2:5:B:LEU:HD11	2:75:A:TYR:HE2	7	0.25
(1,2498)	2:5:B:LEU:HD12	2:75:A:TYR:HE1	8	0.25
(1,2498)	2:5:B:LEU:HD12	2:75:A:TYR:HE2	8	0.25
(1,2495)	2:5:B:LEU:HD12	2:6:B:GLU:HA	16	0.25
(1,2410)	2:9:A:LEU:HD23	2:5:A:LEU:HG	4	0.25
(1,2300)	2:12:A:MET:HE3	2:79:A:LEU:HD11	15	0.25
(1,2238)	2:13:A:VAL:HG23	2:17:A:HIS:HD2	2	0.25
(1,2220)	2:13:A:VAL:HG12	2:83:B:ALA:HB3	8	0.25
(1,2220)	2:13:A:VAL:HG11	2:83:B:ALA:HB1	19	0.25
(1,2181)	2:15:B:THR:HG22	2:41:B:GLU:HB2	10	0.25
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD1	12	0.25
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD2	12	0.25
(1,2039)	2:29:B:LEU:HD11	2:34:B:LEU:HA	14	0.25
(1,2026)	2:29:A:LEU:HD11	2:34:A:LEU:HA	1	0.25
(1,2015)	2:29:B:LEU:HD12	2:27:B:PHE:HD1	13	0.25
(1,2015)	2:29:B:LEU:HD12	2:27:B:PHE:HD2	13	0.25
(1,1960)	2:34:B:LEU:HD22	2:29:B:LEU:HD11	15	0.25
(1,1853)	2:35:A:LYS:HE3	2:35:A:LYS:H	7	0.25
(1,1809)	2:36:A:GLU:HG3	2:40:A:ARG:HD3	11	0.25
(1,1792)	2:36:A:GLU:HB3	2:33:A:GLU:HA	9	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1790)	2:36:A:GLU:HB2	2:39:A:THR:HG23	12	0.25
(1,1737)	2:38:B:LEU:HD11	2:55:B:PHE:HE1	5	0.25
(1,1737)	2:38:B:LEU:HD11	2:55:B:PHE:HE2	5	0.25
(1,1736)	2:38:B:LEU:HD22	2:38:B:LEU:HA	16	0.25
(1,1705)	2:38:A:LEU:HD12	2:50:A:THR:HB	6	0.25
(1,1700)	2:38:A:LEU:HD23	2:55:A:PHE:HE1	6	0.25
(1,1700)	2:38:A:LEU:HD23	2:55:A:PHE:HE2	6	0.25
(1,1700)	2:38:A:LEU:HD21	2:55:A:PHE:HE1	16	0.25
(1,1700)	2:38:A:LEU:HD21	2:55:A:PHE:HE2	16	0.25
(1,1691)	2:38:A:LEU:HD22	2:39:A:THR:H	7	0.25
(1,1656)	2:39:B:THR:HG22	2:35:B:LYS:HE3	8	0.25
(1,1651)	2:39:A:THR:HB	2:40:A:ARG:HG3	20	0.25
(1,1609)	2:42:B:LEU:HD11	2:45:B:PHE:H	9	0.25
(1,1597)	2:42:B:LEU:HD11	2:43:B:PRO:HD3	7	0.25
(1,1548)	2:42:A:LEU:HD12	2:37:A:LEU:HB3	1	0.25
(1,1482)	2:46:A:LEU:HD22	2:46:A:LEU:HG	13	0.25
(1,1465)	2:46:A:LEU:HD22	2:55:A:PHE:HE1	17	0.25
(1,1465)	2:46:A:LEU:HD22	2:55:A:PHE:HE1	19	0.25
(1,1420)	2:49:B:ARG:HD2	2:46:B:LEU:HB2	4	0.25
(1,1420)	2:49:B:ARG:HD2	2:46:B:LEU:HB2	14	0.25
(1,1387)	2:50:B:THR:HG23	2:50:B:THR:HB	3	0.25
(1,1387)	2:50:B:THR:HG23	2:50:B:THR:HB	4	0.25
(1,1387)	2:50:B:THR:HG23	2:50:B:THR:HB	5	0.25
(1,1387)	2:50:B:THR:HG23	2:50:B:THR:HB	6	0.25
(1,1387)	2:50:B:THR:HG23	2:50:B:THR:HB	7	0.25
(1,1387)	2:50:B:THR:HG22	2:50:B:THR:HB	8	0.25
(1,1387)	2:50:B:THR:HG23	2:50:B:THR:HB	9	0.25
(1,1387)	2:50:B:THR:HG21	2:50:B:THR:HB	10	0.25
(1,1387)	2:50:B:THR:HG22	2:50:B:THR:HB	11	0.25
(1,1387)	2:50:B:THR:HG21	2:50:B:THR:HB	12	0.25
(1,1387)	2:50:B:THR:HG23	2:50:B:THR:HB	14	0.25
(1,1387)	2:50:B:THR:HG21	2:50:B:THR:HB	15	0.25
(1,1387)	2:50:B:THR:HG22	2:50:B:THR:HB	16	0.25
(1,1387)	2:50:B:THR:HG21	2:50:B:THR:HB	19	0.25
(1,1371)	2:50:A:THR:HG23	2:50:A:THR:HB	4	0.25
(1,1371)	2:50:A:THR:HG23	2:50:A:THR:HB	6	0.25
(1,1371)	2:50:A:THR:HG22	2:50:A:THR:HB	9	0.25
(1,1371)	2:50:A:THR:HG22	2:50:A:THR:HB	10	0.25
(1,1371)	2:50:A:THR:HG22	2:50:A:THR:HB	11	0.25
(1,1371)	2:50:A:THR:HG23	2:50:A:THR:HB	13	0.25
(1,1371)	2:50:A:THR:HG21	2:50:A:THR:HB	17	0.25
(1,1371)	2:50:A:THR:HG21	2:50:A:THR:HB	18	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1371)	2:50:A:THR:HG21	2:50:A:THR:HB	20	0.25
(1,1329)	2:53:B:ALA:HB3	2:57:B:LYS:HE3	11	0.25
(1,1329)	2:53:B:ALA:HB2	2:57:B:LYS:HE2	20	0.25
(1,1328)	2:53:B:ALA:HB1	2:52:B:GLU:HB3	19	0.25
(1,1322)	2:53:A:ALA:HB2	2:56:A:GLN:HE22	13	0.25
(1,1304)	2:54:B:ALA:HB2	2:50:B:THR:HA	3	0.25
(1,1302)	2:54:B:ALA:HB3	2:55:B:PHE:H	19	0.25
(1,1201)	2:58:B:LEU:HD11	1:1928:C:PHE:HZ	13	0.25
(1,1157)	2:58:A:LEU:HD22	2:45:A:PHE:HB3	9	0.25
(1,1097)	2:59:B:MET:HE2	2:68:B:ASN:HD21	5	0.25
(1,1088)	2:59:B:MET:HE3	2:69:B:GLU:HA	8	0.25
(1,1085)	2:59:B:MET:HE2	2:31:B:LYS:HA	8	0.25
(1,1045)	2:59:A:MET:HE2	2:31:A:LYS:H	4	0.25
(1,1045)	2:59:A:MET:HE2	2:31:A:LYS:H	10	0.25
(1,1037)	2:59:A:MET:HE2	2:68:A:ASN:HA	6	0.25
(1,1034)	2:59:A:MET:HE3	2:68:A:ASN:HB3	5	0.25
(1,1034)	2:59:A:MET:HE1	2:68:A:ASN:HB3	12	0.25
(1,1034)	2:59:A:MET:HE3	2:68:A:ASN:HB3	14	0.25
(1,1033)	2:59:A:MET:HE2	2:68:A:ASN:HB2	13	0.25
(1,1028)	2:59:A:MET:HE2	2:34:A:LEU:HD12	10	0.25
(1,988)	2:60:A:SER:HB2	2:59:A:MET:HB2	3	0.25
(1,904)	2:62:A:LEU:HD13	2:58:A:LEU:HA	11	0.25
(1,785)	2:70:B:VAL:HG21	2:29:B:LEU:HD13	8	0.25
(1,781)	2:70:B:VAL:HG23	2:62:B:LEU:HD22	12	0.25
(1,765)	2:70:B:VAL:HG22	2:63:B:ASP:HB3	1	0.25
(1,753)	2:70:B:VAL:HG21	2:74:B:GLU:H	16	0.25
(1,735)	2:70:A:VAL:HG22	2:62:A:LEU:HB2	2	0.25
(1,731)	2:70:A:VAL:HG11	2:74:A:GLU:HG2	4	0.25
(1,731)	2:70:A:VAL:HG12	2:74:A:GLU:HG2	20	0.25
(1,612)	2:77:B:VAL:HG22	2:77:B:VAL:HB	1	0.25
(1,612)	2:77:B:VAL:HG21	2:77:B:VAL:HB	10	0.25
(1,612)	2:77:B:VAL:HG21	2:77:B:VAL:HB	12	0.25
(1,612)	2:77:B:VAL:HG21	2:77:B:VAL:HB	13	0.25
(1,612)	2:77:B:VAL:HG22	2:77:B:VAL:HB	14	0.25
(1,612)	2:77:B:VAL:HG22	2:77:B:VAL:HB	16	0.25
(1,612)	2:77:B:VAL:HG22	2:77:B:VAL:HB	18	0.25
(1,612)	2:77:B:VAL:HG21	2:77:B:VAL:HB	19	0.25
(1,525)	2:79:B:LEU:HD21	2:82:B:ILE:HB	17	0.25
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE1	6	0.25
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE2	6	0.25
(1,490)	2:79:B:LEU:HD11	2:83:A:ALA:H	7	0.25
(1,448)	2:79:A:LEU:HD11	2:76:A:CYS:HA	4	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,448)	2:79:A:LEU:HD12	2:76:A:CYS:HA	6	0.25
(1,353)	2:82:B:ILE:HG21	1:1928:C:PHE:HZ	13	0.25
(1,286)	2:83:A:ALA:HA	2:9:B:LEU:HD23	11	0.25
(1,286)	2:83:A:ALA:HA	2:9:B:LEU:HD22	12	0.25
(1,266)	2:83:A:ALA:HB1	2:76:B:CYS:H	2	0.25
(1,254)	2:84:B:MET:HE1	2:81:B:CYS:H	19	0.25
(1,248)	2:84:B:MET:HE1	2:80:B:SER:HB3	11	0.25
(1,235)	2:84:B:MET:HA	2:72:A:PHE:HE1	9	0.25
(1,235)	2:84:B:MET:HA	2:72:A:PHE:HE2	9	0.25
(1,214)	2:84:A:MET:HE1	2:72:B:PHE:HE1	19	0.25
(1,214)	2:84:A:MET:HE1	2:72:B:PHE:HE2	19	0.25
(1,209)	2:84:A:MET:HE1	2:73:B:GLN:HA	3	0.25
(1,165)	2:85:B:MET:HE1	1:1921:C:LEU:HB3	12	0.25
(1,146)	2:85:A:MET:HE2	1:1900:C:LEU:HA	5	0.25
(2,46)	1:1916:C:SER:H	1:1912:C:ARG:HB2	6	0.24
(2,45)	1:1918:C:LYS:H	1:1916:C:SER:HB2	15	0.24
(2,42)	1:1926:C:LEU:HD21	1:1923:C:ARG:HB3	14	0.24
(2,42)	1:1926:C:LEU:HD22	1:1923:C:ARG:HB3	14	0.24
(2,42)	1:1926:C:LEU:HD23	1:1923:C:ARG:HB3	14	0.24
(2,18)	2:28:A:LYS:HD3	2:20:A:SER:HB2	18	0.24
(1,7018)	2:19:B:TYR:HE2	2:36:B:GLU:HG3	18	0.24
(1,6954)	2:83:B:ALA:H	2:9:A:LEU:HD21	12	0.24
(1,6841)	2:80:A:SER:H	2:77:A:VAL:HG21	3	0.24
(1,6809)	2:61:A:ASN:H	2:59:A:MET:HB2	1	0.24
(1,6771)	2:28:A:LYS:H	2:17:A:HIS:HA	5	0.24
(1,6644)	2:4:B:PRO:HG2	2:11:A:VAL:HG22	10	0.24
(1,6592)	2:5:B:LEU:HD22	2:79:A:LEU:HG	10	0.24
(1,6577)	2:6:B:GLU:HA	2:42:A:LEU:HD11	20	0.24
(1,6573)	2:6:B:GLU:HA	2:43:A:PRO:HD3	19	0.24
(1,6564)	2:7:A:LYS:HB3	2:6:A:GLU:H	11	0.24
(1,6554)	2:8:B:ALA:HB3	2:8:B:ALA:HA	15	0.24
(1,6551)	2:8:B:ALA:HB1	2:5:B:LEU:HD21	5	0.24
(1,6542)	2:8:A:ALA:HB3	2:12:A:MET:HB2	8	0.24
(1,6533)	2:8:B:ALA:HA	2:11:B:VAL:HG11	20	0.24
(1,6524)	2:9:A:LEU:HD12	2:6:A:GLU:HA	9	0.24
(1,6452)	2:12:A:MET:HE3	2:79:A:LEU:HG	1	0.24
(1,6437)	2:12:B:MET:HE2	2:79:A:LEU:HB3	20	0.24
(1,6424)	2:13:B:VAL:HG23	2:87:A:ASN:HA	16	0.24
(1,6291)	2:26:B:LYS:HG2	2:21:B:GLY:HA2	2	0.24
(1,6291)	2:26:A:LYS:HG2	2:21:A:GLY:HA2	18	0.24
(1,6260)	2:28:A:LYS:HD3	2:25:A:ASP:HB3	13	0.24
(1,6197)	2:33:A:GLU:HA	2:36:A:GLU:HB3	20	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6129)	2:37:B:LEU:HD13	2:75:B:TYR:HD2	4	0.24
(1,6094)	2:38:A:LEU:HD22	2:58:A:LEU:HD22	12	0.24
(1,6092)	2:38:A:LEU:HD22	2:42:A:LEU:HG	16	0.24
(1,6087)	2:38:A:LEU:HD22	2:39:A:THR:HA	1	0.24
(1,6087)	2:38:A:LEU:HD21	2:39:A:THR:HA	2	0.24
(1,6047)	2:42:B:LEU:HD13	2:79:B:LEU:HD22	12	0.24
(1,6023)	2:46:B:LEU:HD12	2:45:B:PHE:H	4	0.24
(1,6009)	2:49:B:ARG:HG3	2:54:B:ALA:HB3	1	0.24
(1,5981)	2:56:B:GLN:HG3	2:57:B:LYS:HD3	12	0.24
(1,5981)	2:56:B:GLN:HG3	2:57:B:LYS:HD3	15	0.24
(1,5960)	2:59:B:MET:HE1	2:60:B:SER:HA	15	0.24
(1,5946)	2:59:A:MET:HE1	2:30:A:ASN:HB3	9	0.24
(1,5946)	2:59:A:MET:HE1	2:30:A:ASN:HB3	12	0.24
(1,5891)	2:64:B:SER:HB2	2:65:B:ASN:HB3	15	0.24
(1,5845)	2:76:A:CYS:HA	2:73:A:GLN:HA	1	0.24
(1,5778)	2:83:A:ALA:HB1	2:12:B:MET:HE3	15	0.24
(1,5766)	2:83:A:ALA:HB3	2:84:A:MET:HA	20	0.24
(1,5756)	2:84:B:MET:HE2	1:1918:C:LYS:HA	20	0.24
(1,5661)	1:1900:C:LEU:HD11	2:45:A:PHE:HA	9	0.24
(1,5657)	1:1900:C:LEU:HD11	2:46:A:LEU:HA	17	0.24
(1,5621)	1:1903:C:ALA:HB1	1:1899:C:GLU:HG3	16	0.24
(1,5621)	1:1903:C:ALA:HB2	1:1899:C:GLU:HG3	16	0.24
(1,5621)	1:1903:C:ALA:HB3	1:1899:C:GLU:HG3	16	0.24
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG21	16	0.24
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG22	16	0.24
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG23	16	0.24
(1,5406)	1:1914:C:VAL:HG11	1:1918:C:LYS:HA	4	0.24
(1,5406)	1:1914:C:VAL:HG12	1:1918:C:LYS:HA	4	0.24
(1,5406)	1:1914:C:VAL:HG13	1:1918:C:LYS:HA	4	0.24
(1,5323)	1:1918:C:LYS:HB3	1:1917:C:LEU:HA	10	0.24
(1,5163)	1:1930:C:VAL:HG11	2:85:B:MET:HE3	5	0.24
(1,5163)	1:1930:C:VAL:HG12	2:85:B:MET:HE3	5	0.24
(1,5163)	1:1930:C:VAL:HG13	2:85:B:MET:HE3	5	0.24
(1,5143)	1:1930:C:VAL:HG13	2:89:B:PHE:HA	7	0.24
(1,5099)	1:1935:C:ALA:HB1	1:1933:C:ARG:HB3	4	0.24
(1,5099)	1:1935:C:ALA:HB2	1:1933:C:ARG:HB3	4	0.24
(1,5099)	1:1935:C:ALA:HB3	1:1933:C:ARG:HB3	4	0.24
(1,4879)	1:1920:C:LYS:H	1:1926:C:LEU:HG	5	0.24
(1,4879)	1:1920:C:LYS:H	1:1926:C:LEU:HG	6	0.24
(1,4846)	1:1926:C:LEU:H	2:54:B:ALA:HA	10	0.24
(1,4724)	2:82:A:ILE:HD13	1:1900:C:LEU:HD21	5	0.24
(1,4724)	2:82:A:ILE:HD13	1:1900:C:LEU:HD22	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4724)	2:82:A:ILE:HD13	1:1900:C:LEU:HD23	5	0.24
(1,4620)	2:76:A:CYS:HB3	1:1914:C:VAL:HG23	2	0.24
(1,4599)	1:1917:C:LEU:HD21	1:1914:C:VAL:HA	18	0.24
(1,4599)	1:1917:C:LEU:HD22	1:1914:C:VAL:HA	18	0.24
(1,4599)	1:1917:C:LEU:HD23	1:1914:C:VAL:HA	18	0.24
(1,4589)	1:1918:C:LYS:HD2	1:1915:C:SER:HB2	20	0.24
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD11	7	0.24
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD12	7	0.24
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD13	7	0.24
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD11	13	0.24
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD12	13	0.24
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD13	13	0.24
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD11	16	0.24
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD12	16	0.24
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD13	16	0.24
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD11	17	0.24
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD12	17	0.24
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD13	17	0.24
(1,4564)	1:1917:C:LEU:HD21	1:1917:C:LEU:HB3	20	0.24
(1,4564)	1:1917:C:LEU:HD22	1:1917:C:LEU:HB3	20	0.24
(1,4564)	1:1917:C:LEU:HD23	1:1917:C:LEU:HB3	20	0.24
(1,4191)	2:50:B:THR:HA	1:1928:C:PHE:HD2	13	0.24
(1,4179)	2:46:A:LEU:HD23	1:1900:C:LEU:HG	4	0.24
(1,4125)	2:76:A:CYS:HB3	1:1910:C:MET:HG2	17	0.24
(1,4062)	2:85:B:MET:HE1	1:1922:C:ARG:HD2	8	0.24
(1,4058)	2:85:B:MET:HE3	1:1930:C:VAL:HB	11	0.24
(1,4058)	2:85:B:MET:HE3	1:1930:C:VAL:HB	17	0.24
(1,4055)	2:85:B:MET:HE2	1:1918:C:LYS:HG2	13	0.24
(1,4054)	2:85:B:MET:HE2	1:1921:C:LEU:HD11	17	0.24
(1,4054)	2:85:B:MET:HE2	1:1921:C:LEU:HD12	17	0.24
(1,4054)	2:85:B:MET:HE2	1:1921:C:LEU:HD13	17	0.24
(1,4027)	2:82:B:ILE:HG23	1:1929:C:VAL:HG11	20	0.24
(1,4027)	2:82:B:ILE:HG23	1:1929:C:VAL:HG12	20	0.24
(1,4027)	2:82:B:ILE:HG23	1:1929:C:VAL:HG13	20	0.24
(1,4005)	2:58:B:LEU:HD23	1:1928:C:PHE:HB2	6	0.24
(1,3948)	2:77:A:VAL:HG13	1:1910:C:MET:HA	16	0.24
(1,3886)	2:82:A:ILE:HD13	1:1900:C:LEU:HD21	18	0.24
(1,3886)	2:82:A:ILE:HD13	1:1900:C:LEU:HD22	18	0.24
(1,3886)	2:82:A:ILE:HD13	1:1900:C:LEU:HD23	18	0.24
(1,3791)	2:28:B:LYS:H	2:28:B:LYS:HE2	7	0.24
(1,3770)	2:57:A:LYS:H	2:57:A:LYS:HE2	8	0.24
(1,3751)	2:95:B:ASP:H	2:93:B:PHE:HD1	9	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3751)	2:95:B:ASP:H	2:93:B:PHE:HD2	9	0.24
(1,3252)	2:2:B:ALA:H	2:4:B:PRO:HG3	8	0.24
(1,3252)	2:2:B:ALA:H	2:4:B:PRO:HG3	11	0.24
(1,3224)	2:93:A:PHE:H	2:93:A:PHE:HB3	4	0.24
(1,3163)	2:86:A:CYS:H	2:9:B:LEU:HB2	2	0.24
(1,2993)	2:62:A:LEU:H	2:60:A:SER:HB3	7	0.24
(1,2993)	2:62:A:LEU:H	2:60:A:SER:HB3	9	0.24
(1,2988)	2:61:A:ASN:H	2:62:A:LEU:HD22	9	0.24
(1,2904)	2:51:A:ASP:H	2:46:A:LEU:HB3	19	0.24
(1,2889)	2:49:A:ARG:H	2:54:A:ALA:HB2	8	0.24
(1,2610)	2:2:A:ALA:H	2:2:B:ALA:HB1	7	0.24
(1,2600)	2:29:A:LEU:H	2:27:A:PHE:HD1	4	0.24
(1,2600)	2:29:A:LEU:H	2:27:A:PHE:HD2	4	0.24
(1,2600)	2:29:A:LEU:H	2:27:A:PHE:HD1	12	0.24
(1,2600)	2:29:A:LEU:H	2:27:A:PHE:HD2	12	0.24
(1,2600)	2:29:A:LEU:H	2:27:A:PHE:HD1	13	0.24
(1,2600)	2:29:A:LEU:H	2:27:A:PHE:HD2	13	0.24
(1,2591)	2:4:B:PRO:HG2	2:11:A:VAL:HG22	10	0.24
(1,2522)	2:5:B:LEU:HD23	2:9:B:LEU:H	11	0.24
(1,2514)	2:5:B:LEU:HD21	2:8:B:ALA:HB1	6	0.24
(1,2509)	2:5:B:LEU:HD23	2:12:A:MET:HA	14	0.24
(1,2498)	2:5:B:LEU:HD11	2:75:A:TYR:HE1	4	0.24
(1,2498)	2:5:B:LEU:HD11	2:75:A:TYR:HE2	4	0.24
(1,2390)	2:9:B:LEU:HD11	2:12:B:MET:HG3	1	0.24
(1,2390)	2:9:B:LEU:HD11	2:12:B:MET:HG3	3	0.24
(1,2383)	2:9:B:LEU:HD12	2:82:A:ILE:HG13	5	0.24
(1,2383)	2:9:B:LEU:HD11	2:82:A:ILE:HG13	7	0.24
(1,2383)	2:9:B:LEU:HD11	2:82:A:ILE:HG13	14	0.24
(1,2377)	2:9:B:LEU:HD11	2:82:A:ILE:HG22	16	0.24
(1,2332)	2:11:B:VAL:HG13	2:11:B:VAL:HB	4	0.24
(1,2332)	2:11:B:VAL:HG13	2:11:B:VAL:HB	5	0.24
(1,2332)	2:11:B:VAL:HG13	2:11:B:VAL:HB	8	0.24
(1,2332)	2:11:B:VAL:HG12	2:11:B:VAL:HB	9	0.24
(1,2332)	2:11:B:VAL:HG13	2:11:B:VAL:HB	17	0.24
(1,2332)	2:11:B:VAL:HG12	2:11:B:VAL:HB	18	0.24
(1,2332)	2:11:B:VAL:HG11	2:11:B:VAL:HB	19	0.24
(1,2317)	2:12:A:MET:HE1	2:12:A:MET:H	4	0.24
(1,2299)	2:12:A:MET:HG3	2:5:B:LEU:HD21	5	0.24
(1,2236)	2:13:A:VAL:HG23	2:90:B:PHE:H	7	0.24
(1,2224)	2:13:B:VAL:HG12	2:10:B:ASP:HA	3	0.24
(1,2220)	2:13:A:VAL:HG12	2:83:B:ALA:HB1	5	0.24
(1,2220)	2:13:A:VAL:HG11	2:83:B:ALA:HB3	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2220)	2:13:A:VAL:HG12	2:83:B:ALA:HB3	14	0.24
(1,2220)	2:13:A:VAL:HG11	2:83:B:ALA:HB3	20	0.24
(1,2216)	2:13:A:VAL:HG12	2:10:A:ASP:HA	1	0.24
(1,2216)	2:13:A:VAL:HG11	2:10:A:ASP:HA	2	0.24
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD1	5	0.24
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD2	5	0.24
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD1	7	0.24
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD2	7	0.24
(1,2045)	2:28:A:LYS:HA	2:75:A:TYR:HD1	1	0.24
(1,2045)	2:28:A:LYS:HA	2:75:A:TYR:HD2	1	0.24
(1,2045)	2:28:A:LYS:HA	2:75:A:TYR:HD1	3	0.24
(1,2045)	2:28:A:LYS:HA	2:75:A:TYR:HD2	3	0.24
(1,2039)	2:29:B:LEU:HD11	2:34:B:LEU:HA	5	0.24
(1,2010)	2:29:B:LEU:HD11	2:34:B:LEU:H	19	0.24
(1,2010)	2:29:B:LEU:HD11	2:34:B:LEU:H	20	0.24
(1,1960)	2:34:B:LEU:HD22	2:29:B:LEU:HD11	18	0.24
(1,1937)	2:34:B:LEU:HD13	2:62:B:LEU:HD21	18	0.24
(1,1778)	2:37:B:LEU:HD23	2:75:B:TYR:HE1	3	0.24
(1,1778)	2:37:B:LEU:HD23	2:75:B:TYR:HE2	3	0.24
(1,1736)	2:38:B:LEU:HD23	2:38:B:LEU:HA	11	0.24
(1,1715)	2:38:A:LEU:HD21	2:38:A:LEU:HG	3	0.24
(1,1715)	2:38:A:LEU:HD22	2:38:A:LEU:HG	7	0.24
(1,1715)	2:38:A:LEU:HD23	2:38:A:LEU:HG	9	0.24
(1,1715)	2:38:A:LEU:HD22	2:38:A:LEU:HG	16	0.24
(1,1715)	2:38:A:LEU:HD23	2:38:A:LEU:HG	17	0.24
(1,1592)	2:35:B:LYS:HG2	2:36:B:GLU:HG2	9	0.24
(1,1550)	2:42:A:LEU:HD11	2:42:A:LEU:HG	7	0.24
(1,1550)	2:42:A:LEU:HD11	2:42:A:LEU:HG	20	0.24
(1,1504)	2:46:B:LEU:HD21	2:46:B:LEU:HG	10	0.24
(1,1504)	2:46:B:LEU:HD21	2:46:B:LEU:HG	18	0.24
(1,1482)	2:46:A:LEU:HD23	2:46:A:LEU:HG	4	0.24
(1,1482)	2:46:A:LEU:HD23	2:46:A:LEU:HG	12	0.24
(1,1460)	2:46:A:LEU:HD23	2:47:A:GLY:H	14	0.24
(1,1454)	2:47:B:GLY:HA3	1:1929:C:VAL:HG21	5	0.24
(1,1454)	2:47:B:GLY:HA3	1:1929:C:VAL:HG22	5	0.24
(1,1454)	2:47:B:GLY:HA3	1:1929:C:VAL:HG23	5	0.24
(1,1387)	2:50:B:THR:HG22	2:50:B:THR:HB	2	0.24
(1,1387)	2:50:B:THR:HG21	2:50:B:THR:HB	13	0.24
(1,1387)	2:50:B:THR:HG21	2:50:B:THR:HB	17	0.24
(1,1387)	2:50:B:THR:HG22	2:50:B:THR:HB	18	0.24
(1,1387)	2:50:B:THR:HG22	2:50:B:THR:HB	20	0.24
(1,1371)	2:50:A:THR:HG22	2:50:A:THR:HB	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1371)	2:50:A:THR:HG21	2:50:A:THR:HB	3	0.24
(1,1371)	2:50:A:THR:HG22	2:50:A:THR:HB	5	0.24
(1,1371)	2:50:A:THR:HG23	2:50:A:THR:HB	7	0.24
(1,1371)	2:50:A:THR:HG23	2:50:A:THR:HB	8	0.24
(1,1371)	2:50:A:THR:HG21	2:50:A:THR:HB	12	0.24
(1,1371)	2:50:A:THR:HG22	2:50:A:THR:HB	15	0.24
(1,1371)	2:50:A:THR:HG23	2:50:A:THR:HB	16	0.24
(1,1355)	2:52:B:GLU:HG3	2:52:B:GLU:H	15	0.24
(1,1346)	2:52:A:GLU:HG2	2:53:A:ALA:HB2	3	0.24
(1,1332)	2:53:B:ALA:HB3	2:56:B:GLN:H	8	0.24
(1,1332)	2:53:B:ALA:HB1	2:56:B:GLN:H	10	0.24
(1,1332)	2:53:B:ALA:HB2	2:56:B:GLN:H	17	0.24
(1,1329)	2:53:B:ALA:HB3	2:57:B:LYS:HE2	12	0.24
(1,1089)	2:59:B:MET:HE2	2:30:B:ASN:HA	10	0.24
(1,1088)	2:59:B:MET:HE2	2:69:B:GLU:HA	3	0.24
(1,1085)	2:59:B:MET:HE2	2:31:B:LYS:HA	2	0.24
(1,1074)	2:59:B:MET:HE3	2:70:B:VAL:HG11	18	0.24
(1,1070)	2:59:B:MET:HE1	2:62:B:LEU:HD21	5	0.24
(1,805)	2:68:A:ASN:HB3	2:68:A:ASN:HD21	4	0.24
(1,805)	2:68:A:ASN:HB3	2:68:A:ASN:HD21	20	0.24
(1,731)	2:70:A:VAL:HG12	2:74:A:GLU:HG2	6	0.24
(1,731)	2:70:A:VAL:HG12	2:74:A:GLU:HG2	10	0.24
(1,717)	2:70:B:VAL:HG11	2:78:B:PHE:HE1	14	0.24
(1,717)	2:70:B:VAL:HG11	2:78:B:PHE:HE2	14	0.24
(1,612)	2:77:B:VAL:HG21	2:77:B:VAL:HB	2	0.24
(1,612)	2:77:B:VAL:HG21	2:77:B:VAL:HB	5	0.24
(1,612)	2:77:B:VAL:HG22	2:77:B:VAL:HB	6	0.24
(1,612)	2:77:B:VAL:HG22	2:77:B:VAL:HB	8	0.24
(1,612)	2:77:B:VAL:HG22	2:77:B:VAL:HB	9	0.24
(1,612)	2:77:B:VAL:HG22	2:77:B:VAL:HB	11	0.24
(1,612)	2:77:B:VAL:HG22	2:77:B:VAL:HB	17	0.24
(1,610)	2:77:B:VAL:HG13	2:73:B:GLN:HG2	8	0.24
(1,610)	2:77:B:VAL:HG11	2:73:B:GLN:HG2	18	0.24
(1,531)	2:79:B:LEU:HD21	2:79:B:LEU:HA	20	0.24
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE1	8	0.24
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE2	8	0.24
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE1	10	0.24
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE2	10	0.24
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE1	19	0.24
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE2	19	0.24
(1,286)	2:83:A:ALA:HA	2:9:B:LEU:HD22	8	0.24
(1,286)	2:83:A:ALA:HA	2:9:B:LEU:HD22	20	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,214)	2:84:A:MET:HE1	2:72:B:PHE:HE1	15	0.24
(1,214)	2:84:A:MET:HE1	2:72:B:PHE:HE2	15	0.24
(1,209)	2:84:A:MET:HE1	2:73:B:GLN:HA	17	0.24
(1,176)	2:85:B:MET:HE1	1:1928:C:PHE:H	2	0.24
(1,174)	2:85:B:MET:HE2	2:85:B:MET:HA	7	0.24
(1,174)	2:85:B:MET:HE2	2:85:B:MET:HA	16	0.24
(1,171)	2:85:B:MET:HE2	1:1918:C:LYS:HA	1	0.24
(1,171)	2:85:B:MET:HE2	1:1918:C:LYS:HA	15	0.24
(1,144)	2:85:A:MET:HE2	2:85:A:MET:HG2	5	0.24
(1,144)	2:85:A:MET:HE2	2:85:A:MET:HG2	17	0.24
(1,139)	2:85:A:MET:HE2	1:1900:C:LEU:HD11	6	0.24
(1,139)	2:85:A:MET:HE2	1:1900:C:LEU:HD12	6	0.24
(1,139)	2:85:A:MET:HE2	1:1900:C:LEU:HD13	6	0.24
(1,85)	2:87:B:ASN:HA	2:72:A:PHE:HZ	9	0.24
(2,18)	2:28:A:LYS:HD3	2:20:A:SER:HB2	8	0.23
(1,6997)	2:72:A:PHE:HZ	2:13:A:VAL:HG21	17	0.23
(1,6815)	2:62:A:LEU:H	1:1908:C:ASP:H	13	0.23
(1,6809)	2:61:A:ASN:H	2:59:A:MET:HB2	6	0.23
(1,6644)	2:4:B:PRO:HG2	2:11:A:VAL:HG22	2	0.23
(1,6644)	2:4:B:PRO:HG2	2:11:A:VAL:HG22	4	0.23
(1,6612)	2:3:A:CYS:HB3	2:43:B:PRO:HD3	9	0.23
(1,6601)	2:5:A:LEU:HD23	2:12:B:MET:HE1	3	0.23
(1,6601)	2:5:A:LEU:HD21	2:12:B:MET:HE1	12	0.23
(1,6601)	2:5:A:LEU:HD23	2:12:B:MET:HE3	19	0.23
(1,6577)	2:6:B:GLU:HA	2:42:A:LEU:HD11	5	0.23
(1,6554)	2:8:B:ALA:HB1	2:8:B:ALA:HA	4	0.23
(1,6554)	2:8:B:ALA:HB3	2:8:B:ALA:HA	6	0.23
(1,6554)	2:8:B:ALA:HB1	2:8:B:ALA:HA	10	0.23
(1,6554)	2:8:A:ALA:HB3	2:8:A:ALA:HA	11	0.23
(1,6554)	2:8:B:ALA:HB2	2:8:B:ALA:HA	13	0.23
(1,6554)	2:8:B:ALA:HB3	2:8:B:ALA:HA	16	0.23
(1,6533)	2:8:B:ALA:HA	2:11:B:VAL:HG12	19	0.23
(1,6524)	2:9:A:LEU:HD13	2:6:A:GLU:HA	16	0.23
(1,6513)	2:9:B:LEU:HD23	2:6:B:GLU:HA	19	0.23
(1,6489)	2:11:A:VAL:HG13	2:8:A:ALA:H	12	0.23
(1,6472)	2:11:A:VAL:HA	2:8:B:ALA:HB2	3	0.23
(1,6448)	2:12:A:MET:HE1	2:9:A:LEU:HD21	2	0.23
(1,6428)	2:13:B:VAL:HG23	2:72:B:PHE:HZ	13	0.23
(1,6428)	2:13:B:VAL:HG23	2:72:B:PHE:HZ	19	0.23
(1,6402)	2:15:A:THR:HG21	2:37:A:LEU:H	18	0.23
(1,6302)	2:26:B:LYS:HD3	2:25:B:ASP:HA	13	0.23
(1,6301)	2:26:B:LYS:HD3	2:27:B:PHE:HE2	17	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6251)	2:28:A:LYS:HB2	2:69:A:GLU:HB3	10	0.23
(1,6195)	2:33:A:GLU:HA	2:37:A:LEU:HD12	6	0.23
(1,6176)	2:34:A:LEU:HD12	2:33:A:GLU:HB2	5	0.23
(1,6176)	2:34:A:LEU:HD12	2:33:A:GLU:HB2	18	0.23
(1,6176)	2:34:A:LEU:HD12	2:33:A:GLU:HB2	19	0.23
(1,6158)	2:88:B:GLU:HG3	2:86:B:CYS:HA	15	0.23
(1,6157)	2:36:B:GLU:HG2	2:40:B:ARG:HD3	15	0.23
(1,6145)	2:37:B:LEU:HD23	2:5:A:LEU:HD23	14	0.23
(1,6145)	2:37:B:LEU:HD22	2:5:A:LEU:HD12	19	0.23
(1,6136)	2:37:B:LEU:HD11	2:36:B:GLU:HB3	19	0.23
(1,6099)	2:38:B:LEU:HD22	2:39:B:THR:HA	1	0.23
(1,6099)	2:38:B:LEU:HD21	2:39:B:THR:HA	2	0.23
(1,6099)	2:38:B:LEU:HD23	2:39:B:THR:HA	9	0.23
(1,6099)	2:38:B:LEU:HD21	2:39:B:THR:HA	19	0.23
(1,6093)	2:38:A:LEU:HD21	2:58:A:LEU:HG	13	0.23
(1,6092)	2:38:A:LEU:HD23	2:42:A:LEU:HG	11	0.23
(1,6087)	2:38:A:LEU:HD21	2:39:A:THR:HA	19	0.23
(1,6086)	2:38:A:LEU:HD23	2:55:A:PHE:HA	2	0.23
(1,6066)	2:40:B:ARG:HD3	2:19:B:TYR:HD1	9	0.23
(1,6048)	2:42:B:LEU:HD21	2:79:B:LEU:HD22	3	0.23
(1,6040)	2:42:A:LEU:HD11	2:6:B:GLU:H	15	0.23
(1,6023)	2:46:B:LEU:HD12	2:45:B:PHE:H	19	0.23
(1,5994)	2:54:B:ALA:HB1	1:1926:C:LEU:HD11	17	0.23
(1,5956)	2:59:B:MET:HE3	2:70:B:VAL:HG23	15	0.23
(1,5949)	2:59:A:MET:HE3	2:29:A:LEU:H	6	0.23
(1,5948)	2:59:A:MET:HE2	2:69:A:GLU:H	3	0.23
(1,5925)	2:62:B:LEU:HD13	2:58:B:LEU:HG	1	0.23
(1,5919)	2:62:B:LEU:HD13	2:34:B:LEU:HD22	14	0.23
(1,5918)	2:62:B:LEU:HD12	1:1921:C:LEU:HD23	9	0.23
(1,5899)	2:29:B:LEU:HD21	2:19:B:TYR:HB3	20	0.23
(1,5842)	2:77:B:VAL:HG22	2:77:B:VAL:HG11	19	0.23
(1,5834)	2:77:B:VAL:HG11	1:1910:C:MET:HA	7	0.23
(1,5834)	2:77:B:VAL:HG13	2:62:B:LEU:HA	20	0.23
(1,5815)	2:79:B:LEU:HD22	2:9:A:LEU:HD22	10	0.23
(1,5814)	2:79:B:LEU:HD11	2:9:A:LEU:HD22	11	0.23
(1,5791)	2:82:B:ILE:HD12	2:58:B:LEU:HD11	11	0.23
(1,5781)	2:82:A:ILE:HD11	2:42:A:LEU:HB2	5	0.23
(1,5781)	2:82:A:ILE:HD11	2:42:A:LEU:HB2	14	0.23
(1,5781)	2:82:A:ILE:HD11	2:42:A:LEU:HB2	15	0.23
(1,5756)	2:84:B:MET:HE2	1:1918:C:LYS:HA	15	0.23
(1,5661)	1:1900:C:LEU:HD13	2:45:A:PHE:HA	10	0.23
(1,5657)	1:1900:C:LEU:HD11	2:46:A:LEU:HA	14	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5654)	1:1900:C:LEU:HD21	2:78:A:PHE:HE1	2	0.23
(1,5654)	1:1900:C:LEU:HD21	2:78:A:PHE:HE2	2	0.23
(1,5654)	1:1900:C:LEU:HD22	2:78:A:PHE:HE1	2	0.23
(1,5654)	1:1900:C:LEU:HD22	2:78:A:PHE:HE2	2	0.23
(1,5654)	1:1900:C:LEU:HD23	2:78:A:PHE:HE1	2	0.23
(1,5654)	1:1900:C:LEU:HD23	2:78:A:PHE:HE2	2	0.23
(1,5652)	1:1900:C:LEU:HD21	2:59:A:MET:H	3	0.23
(1,5652)	1:1900:C:LEU:HD22	2:59:A:MET:H	3	0.23
(1,5652)	1:1900:C:LEU:HD23	2:59:A:MET:H	3	0.23
(1,5652)	1:1900:C:LEU:HD21	2:59:A:MET:H	19	0.23
(1,5652)	1:1900:C:LEU:HD22	2:59:A:MET:H	19	0.23
(1,5652)	1:1900:C:LEU:HD23	2:59:A:MET:H	19	0.23
(1,5570)	1:1906:C:THR:HG21	1:1905:C:GLU:HG2	13	0.23
(1,5570)	1:1906:C:THR:HG22	1:1905:C:GLU:HG2	13	0.23
(1,5570)	1:1906:C:THR:HG23	1:1905:C:GLU:HG2	13	0.23
(1,5496)	1:1910:C:MET:HE1	2:80:A:SER:HB3	4	0.23
(1,5482)	1:1910:C:MET:HG3	2:73:B:GLN:HB3	10	0.23
(1,5482)	1:1910:C:MET:HG3	2:73:B:GLN:HB3	19	0.23
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG21	20	0.23
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG22	20	0.23
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG23	20	0.23
(1,5406)	1:1914:C:VAL:HG11	1:1918:C:LYS:HA	7	0.23
(1,5406)	1:1914:C:VAL:HG12	1:1918:C:LYS:HA	7	0.23
(1,5406)	1:1914:C:VAL:HG13	1:1918:C:LYS:HA	7	0.23
(1,5406)	1:1914:C:VAL:HG11	1:1918:C:LYS:HA	8	0.23
(1,5406)	1:1914:C:VAL:HG12	1:1918:C:LYS:HA	8	0.23
(1,5406)	1:1914:C:VAL:HG13	1:1918:C:LYS:HA	8	0.23
(1,5323)	1:1918:C:LYS:HB3	1:1917:C:LEU:HA	3	0.23
(1,5323)	1:1918:C:LYS:HB3	1:1917:C:LEU:HA	7	0.23
(1,5323)	1:1918:C:LYS:HB3	1:1917:C:LEU:HA	17	0.23
(1,5229)	1:1926:C:LEU:HD21	2:85:B:MET:HE1	10	0.23
(1,5229)	1:1926:C:LEU:HD22	2:85:B:MET:HE1	10	0.23
(1,5229)	1:1926:C:LEU:HD23	2:85:B:MET:HE1	10	0.23
(1,5191)	1:1929:C:VAL:HG11	1:1931:C:PRO:HD3	6	0.23
(1,5191)	1:1929:C:VAL:HG12	1:1931:C:PRO:HD3	6	0.23
(1,5191)	1:1929:C:VAL:HG13	1:1931:C:PRO:HD3	6	0.23
(1,5169)	1:1929:C:VAL:HG11	2:48:B:LYS:H	16	0.23
(1,5169)	1:1929:C:VAL:HG12	2:48:B:LYS:H	16	0.23
(1,5169)	1:1929:C:VAL:HG13	2:48:B:LYS:H	16	0.23
(1,5115)	1:1934:C:MET:HE1	1:1933:C:ARG:HA	7	0.23
(1,5115)	1:1934:C:MET:HE2	1:1933:C:ARG:HA	7	0.23
(1,5115)	1:1934:C:MET:HE3	1:1933:C:ARG:HA	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5101)	1:1935:C:ALA:HB1	2:45:B:PHE:HD1	2	0.23
(1,5101)	1:1935:C:ALA:HB1	2:45:B:PHE:HD2	2	0.23
(1,5101)	1:1935:C:ALA:HB2	2:45:B:PHE:HD1	2	0.23
(1,5101)	1:1935:C:ALA:HB2	2:45:B:PHE:HD2	2	0.23
(1,5101)	1:1935:C:ALA:HB3	2:45:B:PHE:HD1	2	0.23
(1,5101)	1:1935:C:ALA:HB3	2:45:B:PHE:HD2	2	0.23
(1,4994)	1:1910:C:MET:H	2:73:B:GLN:HB3	10	0.23
(1,4879)	1:1920:C:LYS:H	1:1926:C:LEU:HG	3	0.23
(1,4846)	1:1926:C:LEU:H	2:54:B:ALA:HA	3	0.23
(1,4841)	1:1926:C:LEU:H	1:1926:C:LEU:HG	17	0.23
(1,4620)	2:76:A:CYS:HB3	1:1914:C:VAL:HG23	5	0.23
(1,4599)	1:1917:C:LEU:HD21	1:1914:C:VAL:HA	12	0.23
(1,4599)	1:1917:C:LEU:HD22	1:1914:C:VAL:HA	12	0.23
(1,4599)	1:1917:C:LEU:HD23	1:1914:C:VAL:HA	12	0.23
(1,4588)	2:57:A:LYS:HD3	1:1905:C:GLU:HA	9	0.23
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD11	9	0.23
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD12	9	0.23
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD13	9	0.23
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD11	11	0.23
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD12	11	0.23
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD13	11	0.23
(1,4412)	2:38:B:LEU:HD23	1:1928:C:PHE:HD2	6	0.23
(1,4058)	2:85:B:MET:HE3	1:1930:C:VAL:HB	1	0.23
(1,4058)	2:85:B:MET:HE3	1:1930:C:VAL:HB	8	0.23
(1,4046)	2:85:A:MET:HE2	1:1899:C:GLU:HB3	14	0.23
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD11	18	0.23
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD12	18	0.23
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD13	18	0.23
(1,3870)	2:45:B:PHE:HD1	2:42:B:LEU:HD12	8	0.23
(1,3870)	2:45:B:PHE:HD2	2:42:B:LEU:HD12	8	0.23
(1,3826)	2:78:A:PHE:HD1	2:58:A:LEU:HD22	6	0.23
(1,3826)	2:78:A:PHE:HD2	2:58:A:LEU:HD22	6	0.23
(1,3803)	2:22:A:LYS:H	2:22:A:LYS:HE3	3	0.23
(1,3796)	2:27:B:PHE:H	2:27:B:PHE:HD1	16	0.23
(1,3796)	2:27:B:PHE:H	2:27:B:PHE:HD2	16	0.23
(1,3750)	2:93:B:PHE:H	2:101:B:LYS:HG3	7	0.23
(1,3541)	2:61:B:ASN:H	2:62:B:LEU:HD12	5	0.23
(1,3252)	2:2:B:ALA:H	2:4:B:PRO:HG3	1	0.23
(1,3252)	2:2:B:ALA:H	2:4:B:PRO:HG3	10	0.23
(1,3252)	2:2:B:ALA:H	2:4:B:PRO:HG3	17	0.23
(1,3163)	2:86:A:CYS:H	2:9:B:LEU:HB2	3	0.23
(1,3163)	2:86:A:CYS:H	2:9:B:LEU:HB2	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2733)	2:22:B:LYS:H	2:22:B:LYS:HE3	3	0.23
(1,2600)	2:29:A:LEU:H	2:27:A:PHE:HD1	10	0.23
(1,2600)	2:29:A:LEU:H	2:27:A:PHE:HD2	10	0.23
(1,2591)	2:4:B:PRO:HG2	2:11:A:VAL:HG22	2	0.23
(1,2591)	2:4:B:PRO:HG2	2:11:A:VAL:HG22	4	0.23
(1,2498)	2:5:B:LEU:HD12	2:75:A:TYR:HE1	1	0.23
(1,2498)	2:5:B:LEU:HD12	2:75:A:TYR:HE2	1	0.23
(1,2498)	2:5:B:LEU:HD12	2:75:A:TYR:HE1	3	0.23
(1,2498)	2:5:B:LEU:HD12	2:75:A:TYR:HE2	3	0.23
(1,2494)	2:5:B:LEU:HD12	2:41:A:GLU:HB2	17	0.23
(1,2383)	2:9:B:LEU:HD13	2:82:A:ILE:HG13	15	0.23
(1,2377)	2:9:B:LEU:HD12	2:82:A:ILE:HG22	3	0.23
(1,2377)	2:9:B:LEU:HD11	2:82:A:ILE:HG23	4	0.23
(1,2332)	2:11:B:VAL:HG11	2:11:B:VAL:HB	2	0.23
(1,2332)	2:11:B:VAL:HG11	2:11:B:VAL:HB	3	0.23
(1,2332)	2:11:B:VAL:HG12	2:11:B:VAL:HB	6	0.23
(1,2332)	2:11:B:VAL:HG11	2:11:B:VAL:HB	7	0.23
(1,2332)	2:11:B:VAL:HG11	2:11:B:VAL:HB	10	0.23
(1,2332)	2:11:B:VAL:HG11	2:11:B:VAL:HB	12	0.23
(1,2332)	2:11:B:VAL:HG12	2:11:B:VAL:HB	13	0.23
(1,2332)	2:11:B:VAL:HG12	2:11:B:VAL:HB	15	0.23
(1,2332)	2:11:B:VAL:HG11	2:11:B:VAL:HB	16	0.23
(1,2332)	2:11:B:VAL:HG12	2:11:B:VAL:HB	20	0.23
(1,2313)	2:12:A:MET:HE1	2:9:B:LEU:H	9	0.23
(1,2311)	2:12:A:MET:HE1	2:12:A:MET:HA	6	0.23
(1,2307)	2:12:A:MET:HE3	2:12:A:MET:HG2	2	0.23
(1,2277)	2:12:B:MET:HE1	2:75:B:TYR:HE1	13	0.23
(1,2277)	2:12:B:MET:HE1	2:75:B:TYR:HE2	13	0.23
(1,2258)	2:12:B:MET:HG3	2:5:A:LEU:HD21	6	0.23
(1,2225)	2:13:A:VAL:HG11	2:16:A:PHE:HB2	8	0.23
(1,2224)	2:13:B:VAL:HG12	2:10:B:ASP:HA	18	0.23
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD1	4	0.23
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD2	4	0.23
(1,2045)	2:28:A:LYS:HA	2:75:A:TYR:HD1	9	0.23
(1,2045)	2:28:A:LYS:HA	2:75:A:TYR:HD2	9	0.23
(1,1961)	2:34:B:LEU:HD22	2:62:B:LEU:HD13	7	0.23
(1,1940)	2:34:B:LEU:HD12	2:59:B:MET:H	12	0.23
(1,1937)	2:34:B:LEU:HD13	2:62:B:LEU:HD21	6	0.23
(1,1737)	2:38:B:LEU:HD13	2:55:B:PHE:HE1	4	0.23
(1,1737)	2:38:B:LEU:HD13	2:55:B:PHE:HE2	4	0.23
(1,1715)	2:38:A:LEU:HD22	2:38:A:LEU:HG	1	0.23
(1,1715)	2:38:A:LEU:HD21	2:38:A:LEU:HG	2	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1715)	2:38:A:LEU:HD23	2:38:A:LEU:HG	4	0.23
(1,1715)	2:38:A:LEU:HD23	2:38:A:LEU:HG	5	0.23
(1,1715)	2:38:A:LEU:HD21	2:38:A:LEU:HG	6	0.23
(1,1715)	2:38:A:LEU:HD23	2:38:A:LEU:HG	8	0.23
(1,1715)	2:38:A:LEU:HD23	2:38:A:LEU:HG	10	0.23
(1,1715)	2:38:A:LEU:HD23	2:38:A:LEU:HG	11	0.23
(1,1715)	2:38:A:LEU:HD23	2:38:A:LEU:HG	12	0.23
(1,1715)	2:38:A:LEU:HD23	2:38:A:LEU:HG	13	0.23
(1,1715)	2:38:A:LEU:HD21	2:38:A:LEU:HG	14	0.23
(1,1715)	2:38:A:LEU:HD23	2:38:A:LEU:HG	15	0.23
(1,1715)	2:38:A:LEU:HD21	2:38:A:LEU:HG	18	0.23
(1,1715)	2:38:A:LEU:HD21	2:38:A:LEU:HG	19	0.23
(1,1715)	2:38:A:LEU:HD22	2:38:A:LEU:HG	20	0.23
(1,1711)	2:38:A:LEU:HD12	2:38:A:LEU:HG	2	0.23
(1,1711)	2:38:A:LEU:HD13	2:38:A:LEU:HG	3	0.23
(1,1711)	2:38:A:LEU:HD11	2:38:A:LEU:HG	7	0.23
(1,1711)	2:38:A:LEU:HD11	2:38:A:LEU:HG	9	0.23
(1,1711)	2:38:A:LEU:HD13	2:38:A:LEU:HG	14	0.23
(1,1711)	2:38:A:LEU:HD12	2:38:A:LEU:HG	15	0.23
(1,1711)	2:38:A:LEU:HD11	2:38:A:LEU:HG	19	0.23
(1,1711)	2:38:A:LEU:HD11	2:38:A:LEU:HG	20	0.23
(1,1707)	2:38:A:LEU:HD21	2:35:A:LYS:HA	1	0.23
(1,1705)	2:38:A:LEU:HD11	2:50:A:THR:HB	14	0.23
(1,1700)	2:38:A:LEU:HD23	2:55:A:PHE:HE1	2	0.23
(1,1700)	2:38:A:LEU:HD23	2:55:A:PHE:HE2	2	0.23
(1,1691)	2:38:A:LEU:HD23	2:39:A:THR:H	18	0.23
(1,1661)	2:39:A:THR:HG22	2:55:A:PHE:HE1	7	0.23
(1,1655)	2:39:A:THR:HG22	2:35:A:LYS:HE3	15	0.23
(1,1655)	2:39:A:THR:HG21	2:35:A:LYS:HE3	19	0.23
(1,1597)	2:42:B:LEU:HD11	2:43:B:PRO:HD3	18	0.23
(1,1592)	2:35:B:LYS:HG2	2:36:B:GLU:HG2	3	0.23
(1,1592)	2:35:B:LYS:HG2	2:36:B:GLU:HG2	10	0.23
(1,1592)	2:35:B:LYS:HG2	2:36:B:GLU:HG2	18	0.23
(1,1592)	2:35:B:LYS:HG2	2:36:B:GLU:HG2	20	0.23
(1,1591)	2:42:B:LEU:HD11	2:6:A:GLU:HB2	1	0.23
(1,1550)	2:42:A:LEU:HD11	2:42:A:LEU:HG	12	0.23
(1,1550)	2:42:A:LEU:HD13	2:42:A:LEU:HG	15	0.23
(1,1550)	2:42:A:LEU:HD11	2:42:A:LEU:HG	18	0.23
(1,1504)	2:46:B:LEU:HD23	2:46:B:LEU:HG	3	0.23
(1,1482)	2:46:A:LEU:HD22	2:46:A:LEU:HG	8	0.23
(1,1482)	2:46:A:LEU:HD23	2:46:A:LEU:HG	10	0.23
(1,1482)	2:46:A:LEU:HD23	2:46:A:LEU:HG	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1482)	2:46:A:LEU:HD23	2:46:A:LEU:HG	16	0.23
(1,1482)	2:46:A:LEU:HD23	2:46:A:LEU:HG	18	0.23
(1,1482)	2:46:A:LEU:HD21	2:46:A:LEU:HG	19	0.23
(1,1461)	2:46:A:LEU:HD22	2:39:A:THR:H	6	0.23
(1,1460)	2:46:A:LEU:HD22	2:47:A:GLY:H	8	0.23
(1,1460)	2:46:A:LEU:HD21	2:47:A:GLY:H	9	0.23
(1,1459)	2:46:A:LEU:HD13	2:47:A:GLY:H	4	0.23
(1,1459)	2:46:A:LEU:HD11	2:47:A:GLY:H	19	0.23
(1,1420)	2:49:B:ARG:HD2	2:46:B:LEU:HB2	11	0.23
(1,1387)	2:50:B:THR:HG23	2:50:B:THR:HB	1	0.23
(1,1371)	2:50:A:THR:HG22	2:50:A:THR:HB	2	0.23
(1,1371)	2:50:A:THR:HG22	2:50:A:THR:HB	14	0.23
(1,1371)	2:50:A:THR:HG23	2:50:A:THR:HB	19	0.23
(1,1362)	2:52:B:GLU:HG2	2:53:B:ALA:HB2	13	0.23
(1,1302)	2:54:B:ALA:HB1	2:55:B:PHE:H	15	0.23
(1,1302)	2:54:B:ALA:HB2	2:55:B:PHE:H	20	0.23
(1,1283)	2:54:A:ALA:HB2	1:1897:C:GLN:HE22	15	0.23
(1,1201)	2:58:B:LEU:HD11	1:1928:C:PHE:HZ	4	0.23
(1,1142)	2:58:A:LEU:HD11	1:1904:C:THR:HG21	18	0.23
(1,1142)	2:58:A:LEU:HD11	1:1904:C:THR:HG22	18	0.23
(1,1142)	2:58:A:LEU:HD11	1:1904:C:THR:HG23	18	0.23
(1,1088)	2:59:B:MET:HE3	2:69:B:GLU:HA	12	0.23
(1,1085)	2:59:B:MET:HE2	2:31:B:LYS:HA	14	0.23
(1,1085)	2:59:B:MET:HE2	2:31:B:LYS:HA	19	0.23
(1,1081)	2:59:B:MET:HE2	2:68:B:ASN:HB2	20	0.23
(1,1080)	2:59:B:MET:HE2	2:59:B:MET:HG2	4	0.23
(1,1078)	2:59:B:MET:HE2	2:59:B:MET:HB2	17	0.23
(1,1074)	2:59:B:MET:HE3	2:70:B:VAL:HG11	8	0.23
(1,1074)	2:59:B:MET:HE3	2:70:B:VAL:HG12	10	0.23
(1,1045)	2:59:A:MET:HE1	2:31:A:LYS:H	6	0.23
(1,1045)	2:59:A:MET:HE2	2:31:A:LYS:H	7	0.23
(1,1031)	2:59:A:MET:HE2	2:59:A:MET:HG3	3	0.23
(1,1027)	2:59:A:MET:HE3	2:62:A:LEU:HD21	6	0.23
(1,934)	2:62:B:LEU:HD12	2:61:B:ASN:HB3	7	0.23
(1,805)	2:68:A:ASN:HB3	2:68:A:ASN:HD21	15	0.23
(1,744)	2:70:A:VAL:HG21	2:75:A:TYR:H	16	0.23
(1,717)	2:70:B:VAL:HG13	2:78:B:PHE:HE1	1	0.23
(1,717)	2:70:B:VAL:HG13	2:78:B:PHE:HE2	1	0.23
(1,628)	2:76:B:CYS:HA	2:12:B:MET:HA	17	0.23
(1,612)	2:77:B:VAL:HG21	2:77:B:VAL:HB	20	0.23
(1,610)	2:77:B:VAL:HG11	2:73:B:GLN:HG2	10	0.23
(1,531)	2:79:B:LEU:HD21	2:79:B:LEU:HA	16	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,525)	2:79:B:LEU:HD21	2:82:B:ILE:HB	9	0.23
(1,525)	2:79:B:LEU:HD21	2:82:B:ILE:HB	14	0.23
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE1	5	0.23
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE2	5	0.23
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE1	20	0.23
(1,504)	2:79:B:LEU:HD22	2:78:B:PHE:HE2	20	0.23
(1,448)	2:79:A:LEU:HD13	2:76:A:CYS:HA	12	0.23
(1,354)	2:82:B:ILE:HG21	2:45:B:PHE:HE1	20	0.23
(1,354)	2:82:B:ILE:HG21	2:45:B:PHE:HE2	20	0.23
(1,254)	2:84:B:MET:HE1	2:81:B:CYS:H	2	0.23
(1,248)	2:84:B:MET:HE1	2:80:B:SER:HB3	4	0.23
(1,235)	2:84:B:MET:HA	2:72:A:PHE:HE1	14	0.23
(1,235)	2:84:B:MET:HA	2:72:A:PHE:HE2	14	0.23
(1,235)	2:84:B:MET:HA	2:72:A:PHE:HE1	17	0.23
(1,235)	2:84:B:MET:HA	2:72:A:PHE:HE2	17	0.23
(1,214)	2:84:A:MET:HE1	2:72:B:PHE:HE1	6	0.23
(1,214)	2:84:A:MET:HE1	2:72:B:PHE:HE2	6	0.23
(1,209)	2:84:A:MET:HE1	2:73:B:GLN:HA	4	0.23
(1,207)	2:84:A:MET:HE1	2:81:A:CYS:HG	3	0.23
(1,178)	2:85:B:MET:HE1	1:1928:C:PHE:HZ	8	0.23
(1,146)	2:85:A:MET:HE2	1:1900:C:LEU:HA	17	0.23
(1,144)	2:85:A:MET:HE2	2:85:A:MET:HG2	12	0.23
(1,4)	2:93:B:PHE:HA	2:93:B:PHE:HB2	15	0.23
(2,49)	1:1935:C:ALA:HB1	1:1932:C:ARG:HA	16	0.22
(2,49)	1:1935:C:ALA:HB2	1:1932:C:ARG:HA	16	0.22
(2,49)	1:1935:C:ALA:HB3	1:1932:C:ARG:HA	16	0.22
(2,45)	1:1918:C:LYS:H	1:1916:C:SER:HB2	6	0.22
(1,6996)	2:72:B:PHE:HZ	2:13:B:VAL:HA	10	0.22
(1,6975)	2:78:B:PHE:HD1	1:1921:C:LEU:HD13	7	0.22
(1,6975)	2:78:B:PHE:HD2	1:1921:C:LEU:HD11	8	0.22
(1,6841)	2:80:A:SER:H	2:77:A:VAL:HG21	5	0.22
(1,6841)	2:80:A:SER:H	2:77:A:VAL:HG21	20	0.22
(1,6809)	2:61:A:ASN:H	2:59:A:MET:HB2	2	0.22
(1,6797)	2:47:A:GLY:H	2:46:A:LEU:HA	6	0.22
(1,6797)	2:47:A:GLY:H	2:46:A:LEU:HA	14	0.22
(1,6675)	2:26:B:LYS:H	2:26:B:LYS:HG2	17	0.22
(1,6601)	2:5:A:LEU:HD23	2:12:B:MET:HE3	2	0.22
(1,6573)	2:6:B:GLU:HA	2:43:A:PRO:HD3	13	0.22
(1,6564)	2:7:A:LYS:HB3	2:6:A:GLU:H	9	0.22
(1,6556)	2:8:A:ALA:HB1	2:11:B:VAL:HA	6	0.22
(1,6554)	2:8:B:ALA:HB1	2:8:A:ALA:HA	2	0.22
(1,6554)	2:8:B:ALA:HB1	2:8:B:ALA:HA	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6554)	2:8:B:ALA:HB2	2:8:B:ALA:HA	17	0.22
(1,6554)	2:8:A:ALA:HB3	2:8:A:ALA:HA	19	0.22
(1,6523)	2:9:A:LEU:HD11	2:11:A:VAL:H	1	0.22
(1,6516)	2:9:B:LEU:HD21	2:12:B:MET:HG3	4	0.22
(1,6516)	2:9:B:LEU:HD23	2:12:B:MET:HG3	10	0.22
(1,6476)	2:11:A:VAL:HG13	2:7:A:LYS:HG3	1	0.22
(1,6437)	2:12:B:MET:HE2	2:79:A:LEU:HB3	16	0.22
(1,6436)	2:12:B:MET:HE1	2:9:B:LEU:HD11	5	0.22
(1,6402)	2:15:A:THR:HG22	2:37:A:LEU:H	2	0.22
(1,6286)	2:26:B:LYS:HB3	2:27:B:PHE:HD2	5	0.22
(1,6207)	2:32:B:SER:HB2	2:33:B:GLU:HG3	3	0.22
(1,6193)	2:34:B:LEU:HD21	2:37:B:LEU:HA	10	0.22
(1,6193)	2:34:B:LEU:HD21	2:37:B:LEU:HA	19	0.22
(1,6176)	2:34:A:LEU:HD12	2:33:A:GLU:HB2	8	0.22
(1,6176)	2:34:A:LEU:HD12	2:33:A:GLU:HB2	9	0.22
(1,6158)	2:88:B:GLU:HG3	2:87:B:ASN:HA	12	0.22
(1,6158)	2:88:B:GLU:HG3	2:87:B:ASN:HA	17	0.22
(1,6145)	2:37:B:LEU:HD22	2:5:A:LEU:HD22	3	0.22
(1,6092)	2:38:A:LEU:HD23	2:42:A:LEU:HG	13	0.22
(1,6087)	2:38:A:LEU:HD23	2:39:A:THR:HA	9	0.22
(1,6023)	2:46:B:LEU:HD12	2:45:B:PHE:H	11	0.22
(1,5960)	2:59:B:MET:HE2	2:60:B:SER:HA	14	0.22
(1,5949)	2:59:A:MET:HE1	2:30:A:ASN:H	17	0.22
(1,5934)	2:55:B:PHE:HA	2:56:B:GLN:HG2	10	0.22
(1,5934)	2:55:B:PHE:HA	2:56:B:GLN:HG2	17	0.22
(1,5891)	2:64:B:SER:HB2	2:65:B:ASN:HB3	17	0.22
(1,5815)	2:79:B:LEU:HD21	2:9:A:LEU:HD23	4	0.22
(1,5814)	2:79:B:LEU:HD12	2:9:A:LEU:HD22	10	0.22
(1,5784)	2:82:B:ILE:HG23	1:1929:C:VAL:H	9	0.22
(1,5781)	2:82:A:ILE:HD11	2:42:A:LEU:HB2	9	0.22
(1,5766)	2:83:A:ALA:HB3	2:84:A:MET:HA	14	0.22
(1,5764)	2:83:A:ALA:HB1	2:72:B:PHE:HE1	7	0.22
(1,5684)	1:1900:C:LEU:HD21	2:82:A:ILE:HD11	4	0.22
(1,5684)	1:1900:C:LEU:HD22	2:82:A:ILE:HD11	4	0.22
(1,5684)	1:1900:C:LEU:HD23	2:82:A:ILE:HD11	4	0.22
(1,5652)	1:1900:C:LEU:HD21	2:59:A:MET:H	9	0.22
(1,5652)	1:1900:C:LEU:HD22	2:59:A:MET:H	9	0.22
(1,5652)	1:1900:C:LEU:HD23	2:59:A:MET:H	9	0.22
(1,5621)	1:1903:C:ALA:HB1	1:1899:C:GLU:HG3	11	0.22
(1,5621)	1:1903:C:ALA:HB2	1:1899:C:GLU:HG3	11	0.22
(1,5621)	1:1903:C:ALA:HB3	1:1899:C:GLU:HG3	11	0.22
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG21	8	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG22	8	0.22
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG23	8	0.22
(1,5406)	1:1914:C:VAL:HG11	1:1918:C:LYS:HA	1	0.22
(1,5406)	1:1914:C:VAL:HG12	1:1918:C:LYS:HA	1	0.22
(1,5406)	1:1914:C:VAL:HG13	1:1918:C:LYS:HA	1	0.22
(1,5406)	1:1914:C:VAL:HG11	1:1918:C:LYS:HA	2	0.22
(1,5406)	1:1914:C:VAL:HG12	1:1918:C:LYS:HA	2	0.22
(1,5406)	1:1914:C:VAL:HG13	1:1918:C:LYS:HA	2	0.22
(1,5406)	1:1914:C:VAL:HG11	1:1918:C:LYS:HA	3	0.22
(1,5406)	1:1914:C:VAL:HG12	1:1918:C:LYS:HA	3	0.22
(1,5406)	1:1914:C:VAL:HG13	1:1918:C:LYS:HA	3	0.22
(1,5406)	1:1914:C:VAL:HG11	1:1918:C:LYS:HA	16	0.22
(1,5406)	1:1914:C:VAL:HG12	1:1918:C:LYS:HA	16	0.22
(1,5406)	1:1914:C:VAL:HG13	1:1918:C:LYS:HA	16	0.22
(1,5406)	1:1914:C:VAL:HG11	1:1918:C:LYS:HA	18	0.22
(1,5406)	1:1914:C:VAL:HG12	1:1918:C:LYS:HA	18	0.22
(1,5406)	1:1914:C:VAL:HG13	1:1918:C:LYS:HA	18	0.22
(1,5400)	1:1914:C:VAL:HG22	2:81:B:CYS:HB3	10	0.22
(1,5323)	1:1918:C:LYS:HB3	1:1917:C:LEU:HA	12	0.22
(1,5323)	1:1918:C:LYS:HB3	1:1917:C:LEU:HA	14	0.22
(1,5021)	1:1907:C:ALA:H	2:61:A:ASN:HA	4	0.22
(1,4994)	1:1910:C:MET:H	2:73:B:GLN:HB3	4	0.22
(1,4962)	1:1912:C:ARG:H	1:1912:C:ARG:HB2	11	0.22
(1,4707)	1:1919:C:ASN:HD22	1:1916:C:SER:HA	7	0.22
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD11	15	0.22
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD12	15	0.22
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD13	15	0.22
(1,4484)	2:57:B:LYS:HD3	1:1924:C:GLY:H	17	0.22
(1,4191)	2:50:B:THR:HA	1:1928:C:PHE:HD2	2	0.22
(1,4149)	2:61:B:ASN:HA	1:1921:C:LEU:HD11	7	0.22
(1,4149)	2:61:B:ASN:HA	1:1921:C:LEU:HD12	7	0.22
(1,4149)	2:61:B:ASN:HA	1:1921:C:LEU:HD13	7	0.22
(1,4055)	2:85:B:MET:HE2	1:1918:C:LYS:HG2	8	0.22
(1,4046)	2:85:A:MET:HE2	1:1899:C:GLU:HB3	12	0.22
(1,4005)	2:58:B:LEU:HD23	1:1928:C:PHE:HB2	16	0.22
(1,3765)	2:97:B:GLN:H	2:97:B:GLN:HG3	6	0.22
(1,3750)	2:93:B:PHE:H	2:101:B:LYS:HG3	14	0.22
(1,3745)	2:93:B:PHE:H	2:94:B:PRO:HA	5	0.22
(1,3163)	2:86:A:CYS:H	2:9:B:LEU:HB2	6	0.22
(1,3163)	2:86:A:CYS:H	2:9:B:LEU:HB2	7	0.22
(1,2993)	2:62:A:LEU:H	2:60:A:SER:HB3	2	0.22
(1,2993)	2:62:A:LEU:H	2:60:A:SER:HB3	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2993)	2:62:A:LEU:H	2:60:A:SER:HB3	16	0.22
(1,2904)	2:51:A:ASP:H	2:46:A:LEU:HB3	3	0.22
(1,2904)	2:51:A:ASP:H	2:46:A:LEU:HB3	6	0.22
(1,2904)	2:51:A:ASP:H	2:46:A:LEU:HB3	16	0.22
(1,2610)	2:2:A:ALA:H	2:2:B:ALA:HB2	4	0.22
(1,2610)	2:2:A:ALA:H	2:2:B:ALA:HB3	15	0.22
(1,2600)	2:29:A:LEU:H	2:27:A:PHE:HD1	3	0.22
(1,2600)	2:29:A:LEU:H	2:27:A:PHE:HD2	3	0.22
(1,2591)	2:4:B:PRO:HG2	2:11:A:VAL:HG21	14	0.22
(1,2514)	2:5:B:LEU:HD23	2:8:B:ALA:HB2	9	0.22
(1,2509)	2:5:B:LEU:HD22	2:12:A:MET:HA	3	0.22
(1,2509)	2:5:B:LEU:HD23	2:12:A:MET:HA	12	0.22
(1,2495)	2:5:B:LEU:HD13	2:6:B:GLU:HA	20	0.22
(1,2410)	2:9:A:LEU:HD21	2:5:A:LEU:HG	15	0.22
(1,2377)	2:9:B:LEU:HD11	2:82:A:ILE:HG22	8	0.22
(1,2332)	2:11:B:VAL:HG11	2:11:B:VAL:HB	1	0.22
(1,2332)	2:11:B:VAL:HG12	2:11:B:VAL:HB	11	0.22
(1,2332)	2:11:B:VAL:HG13	2:11:B:VAL:HB	14	0.22
(1,2317)	2:12:A:MET:HE1	2:12:A:MET:H	5	0.22
(1,2313)	2:12:A:MET:HE3	2:9:B:LEU:H	2	0.22
(1,2312)	2:12:A:MET:HE3	2:78:A:PHE:HD1	1	0.22
(1,2312)	2:12:A:MET:HE3	2:78:A:PHE:HD2	1	0.22
(1,2308)	2:12:A:MET:HE3	2:79:A:LEU:HA	1	0.22
(1,2300)	2:12:A:MET:HE3	2:79:A:LEU:HD13	12	0.22
(1,2268)	2:12:B:MET:HE1	2:12:B:MET:HG2	13	0.22
(1,2268)	2:12:B:MET:HE1	2:12:B:MET:HG2	16	0.22
(1,2268)	2:12:B:MET:HE1	2:12:B:MET:HG2	20	0.22
(1,2258)	2:12:B:MET:HG3	2:5:A:LEU:HD21	7	0.22
(1,2224)	2:13:B:VAL:HG12	2:10:B:ASP:HA	15	0.22
(1,2224)	2:13:B:VAL:HG11	2:10:B:ASP:HA	19	0.22
(1,2220)	2:13:A:VAL:HG11	2:83:B:ALA:HB3	2	0.22
(1,2216)	2:13:A:VAL:HG11	2:10:A:ASP:HA	6	0.22
(1,2216)	2:13:A:VAL:HG11	2:10:A:ASP:HA	20	0.22
(1,2045)	2:28:A:LYS:HA	2:75:A:TYR:HD1	7	0.22
(1,2045)	2:28:A:LYS:HA	2:75:A:TYR:HD2	7	0.22
(1,2039)	2:29:B:LEU:HD12	2:34:B:LEU:HA	9	0.22
(1,2039)	2:29:B:LEU:HD13	2:34:B:LEU:HA	13	0.22
(1,2014)	2:29:A:LEU:HD12	2:27:A:PHE:HD1	13	0.22
(1,2014)	2:29:A:LEU:HD12	2:27:A:PHE:HD2	13	0.22
(1,2010)	2:29:B:LEU:HD11	2:34:B:LEU:H	11	0.22
(1,1937)	2:34:B:LEU:HD13	2:62:B:LEU:HD22	8	0.22
(1,1854)	2:35:A:LYS:HE2	2:32:A:SER:HA	1	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1777)	2:37:B:LEU:HD22	2:38:B:LEU:HA	16	0.22
(1,1737)	2:38:B:LEU:HD12	2:55:B:PHE:HE1	19	0.22
(1,1737)	2:38:B:LEU:HD12	2:55:B:PHE:HE2	19	0.22
(1,1736)	2:38:B:LEU:HD21	2:38:B:LEU:HA	2	0.22
(1,1736)	2:38:B:LEU:HD23	2:38:B:LEU:HA	9	0.22
(1,1736)	2:38:B:LEU:HD23	2:38:B:LEU:HA	12	0.22
(1,1711)	2:38:A:LEU:HD12	2:38:A:LEU:HG	1	0.22
(1,1711)	2:38:A:LEU:HD13	2:38:A:LEU:HG	5	0.22
(1,1711)	2:38:A:LEU:HD13	2:38:A:LEU:HG	8	0.22
(1,1711)	2:38:A:LEU:HD11	2:38:A:LEU:HG	10	0.22
(1,1711)	2:38:A:LEU:HD11	2:38:A:LEU:HG	12	0.22
(1,1711)	2:38:A:LEU:HD12	2:38:A:LEU:HG	13	0.22
(1,1711)	2:38:A:LEU:HD11	2:38:A:LEU:HG	16	0.22
(1,1711)	2:38:A:LEU:HD11	2:38:A:LEU:HG	17	0.22
(1,1711)	2:38:A:LEU:HD13	2:38:A:LEU:HG	18	0.22
(1,1691)	2:38:A:LEU:HD22	2:39:A:THR:H	10	0.22
(1,1602)	2:42:B:LEU:HD11	2:6:A:GLU:HA	1	0.22
(1,1597)	2:42:B:LEU:HD11	2:43:B:PRO:HD3	14	0.22
(1,1592)	2:35:B:LYS:HG2	2:36:B:GLU:HG2	2	0.22
(1,1591)	2:42:B:LEU:HD11	2:6:A:GLU:HB2	20	0.22
(1,1563)	2:42:A:LEU:HD12	2:34:A:LEU:HA	8	0.22
(1,1550)	2:42:A:LEU:HD11	2:42:A:LEU:HG	6	0.22
(1,1550)	2:42:A:LEU:HD11	2:42:A:LEU:HG	8	0.22
(1,1550)	2:42:A:LEU:HD11	2:42:A:LEU:HG	10	0.22
(1,1550)	2:42:A:LEU:HD11	2:42:A:LEU:HG	11	0.22
(1,1550)	2:42:A:LEU:HD11	2:42:A:LEU:HG	16	0.22
(1,1550)	2:42:A:LEU:HD11	2:42:A:LEU:HG	17	0.22
(1,1482)	2:46:A:LEU:HD23	2:46:A:LEU:HG	1	0.22
(1,1482)	2:46:A:LEU:HD21	2:46:A:LEU:HG	3	0.22
(1,1482)	2:46:A:LEU:HD21	2:46:A:LEU:HG	5	0.22
(1,1482)	2:46:A:LEU:HD22	2:46:A:LEU:HG	6	0.22
(1,1482)	2:46:A:LEU:HD23	2:46:A:LEU:HG	7	0.22
(1,1482)	2:46:A:LEU:HD21	2:46:A:LEU:HG	9	0.22
(1,1482)	2:46:A:LEU:HD22	2:46:A:LEU:HG	11	0.22
(1,1482)	2:46:A:LEU:HD23	2:46:A:LEU:HG	14	0.22
(1,1482)	2:46:A:LEU:HD23	2:46:A:LEU:HG	17	0.22
(1,1465)	2:46:A:LEU:HD22	2:55:A:PHE:HE2	15	0.22
(1,1460)	2:46:A:LEU:HD23	2:47:A:GLY:H	3	0.22
(1,1460)	2:46:A:LEU:HD22	2:47:A:GLY:H	11	0.22
(1,1460)	2:46:A:LEU:HD23	2:47:A:GLY:H	15	0.22
(1,1407)	2:49:A:ARG:HG2	2:54:A:ALA:HB1	10	0.22
(1,1405)	2:49:A:ARG:HB2	2:54:A:ALA:HB1	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1355)	2:52:B:GLU:HG3	2:52:B:GLU:H	6	0.22
(1,1346)	2:52:A:GLU:HG2	2:53:A:ALA:HB2	19	0.22
(1,1302)	2:54:B:ALA:HB2	2:55:B:PHE:H	3	0.22
(1,1302)	2:54:B:ALA:HB2	2:55:B:PHE:H	9	0.22
(1,1302)	2:54:B:ALA:HB2	2:55:B:PHE:H	11	0.22
(1,1100)	2:59:B:MET:HE3	2:31:B:LYS:H	16	0.22
(1,1088)	2:59:B:MET:HE2	2:69:B:GLU:HA	7	0.22
(1,1088)	2:59:B:MET:HE2	2:69:B:GLU:HA	18	0.22
(1,1080)	2:59:B:MET:HE2	2:59:B:MET:HG2	11	0.22
(1,1051)	2:59:A:MET:HE3	2:68:A:ASN:H	2	0.22
(1,1049)	2:59:A:MET:HE2	2:71:A:ASP:H	12	0.22
(1,1047)	2:59:A:MET:HE1	2:33:A:GLU:H	17	0.22
(1,1045)	2:59:A:MET:HE3	2:31:A:LYS:H	11	0.22
(1,1043)	2:59:A:MET:HE2	2:60:A:SER:H	9	0.22
(1,1037)	2:59:A:MET:HE3	2:68:A:ASN:HA	10	0.22
(1,1031)	2:59:A:MET:HE3	2:59:A:MET:HG3	10	0.22
(1,993)	2:60:B:SER:HB2	2:62:B:LEU:H	3	0.22
(1,942)	2:62:B:LEU:HD23	2:74:B:GLU:HG3	20	0.22
(1,934)	2:62:B:LEU:HD12	2:61:B:ASN:HB3	13	0.22
(1,777)	2:70:B:VAL:HG23	2:62:B:LEU:HB2	16	0.22
(1,735)	2:70:A:VAL:HG22	2:62:A:LEU:HB2	9	0.22
(1,707)	2:71:B:ASP:HA	2:28:B:LYS:HD2	5	0.22
(1,628)	2:76:B:CYS:HA	2:12:B:MET:HA	7	0.22
(1,628)	2:76:B:CYS:HA	2:12:B:MET:HA	10	0.22
(1,525)	2:79:B:LEU:HD21	2:82:B:ILE:HB	18	0.22
(1,353)	2:82:B:ILE:HG23	1:1928:C:PHE:HZ	18	0.22
(1,286)	2:83:A:ALA:HA	2:9:B:LEU:HD23	1	0.22
(1,266)	2:83:A:ALA:HB2	2:76:B:CYS:H	15	0.22
(1,248)	2:84:B:MET:HE1	2:80:B:SER:HB3	7	0.22
(1,235)	2:84:B:MET:HA	2:72:A:PHE:HE1	11	0.22
(1,235)	2:84:B:MET:HA	2:72:A:PHE:HE2	11	0.22
(1,235)	2:84:B:MET:HA	2:72:A:PHE:HE1	16	0.22
(1,235)	2:84:B:MET:HA	2:72:A:PHE:HE2	16	0.22
(1,176)	2:85:B:MET:HE1	1:1928:C:PHE:H	15	0.22
(1,176)	2:85:B:MET:HE1	1:1928:C:PHE:H	19	0.22
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG21	13	0.22
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG22	13	0.22
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG23	13	0.22
(1,146)	2:85:A:MET:HE2	1:1900:C:LEU:HA	12	0.22
(1,144)	2:85:A:MET:HE2	2:85:A:MET:HG2	14	0.22
(1,85)	2:87:B:ASN:HA	2:72:A:PHE:HZ	13	0.22
(2,49)	1:1935:C:ALA:HB1	1:1932:C:ARG:HA	12	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,49)	1:1935:C:ALA:HB2	1:1932:C:ARG:HA	12	0.21
(2,49)	1:1935:C:ALA:HB3	1:1932:C:ARG:HA	12	0.21
(2,46)	1:1916:C:SER:H	1:1912:C:ARG:HB2	14	0.21
(2,45)	1:1918:C:LYS:H	1:1916:C:SER:HB2	17	0.21
(2,18)	2:28:A:LYS:HD3	2:20:A:SER:HB2	6	0.21
(2,15)	2:35:A:LYS:HE3	2:50:A:THR:HB	15	0.21
(1,6996)	2:72:A:PHE:HZ	2:13:A:VAL:HA	16	0.21
(1,6993)	2:72:A:PHE:HZ	2:83:B:ALA:HB3	7	0.21
(1,6949)	2:80:B:SER:H	2:79:B:LEU:HD21	14	0.21
(1,6947)	2:80:B:SER:H	1:1917:C:LEU:HD13	12	0.21
(1,6921)	2:59:B:MET:H	2:58:B:LEU:HD22	5	0.21
(1,6921)	2:59:B:MET:H	2:58:B:LEU:HD22	7	0.21
(1,6841)	2:80:A:SER:H	2:77:A:VAL:HG21	4	0.21
(1,6841)	2:80:A:SER:H	2:77:A:VAL:HG21	13	0.21
(1,6815)	2:62:A:LEU:H	1:1908:C:ASP:H	8	0.21
(1,6809)	2:61:A:ASN:H	2:59:A:MET:HB2	11	0.21
(1,6809)	2:61:A:ASN:H	2:59:A:MET:HB2	18	0.21
(1,6790)	2:41:A:GLU:H	2:19:A:TYR:HE2	10	0.21
(1,6645)	2:4:B:PRO:HG3	2:11:A:VAL:HG22	20	0.21
(1,6618)	2:2:B:ALA:HA	2:7:B:LYS:HE2	18	0.21
(1,6592)	2:5:B:LEU:HD23	2:79:A:LEU:HG	14	0.21
(1,6564)	2:7:A:LYS:HB3	2:6:A:GLU:H	8	0.21
(1,6552)	2:8:B:ALA:HB1	2:7:B:LYS:HB3	16	0.21
(1,6533)	2:8:A:ALA:HA	2:11:A:VAL:HG12	7	0.21
(1,6530)	2:9:A:LEU:HD22	2:12:A:MET:H	12	0.21
(1,6488)	2:11:B:VAL:HG13	2:8:B:ALA:H	12	0.21
(1,6386)	2:18:B:LYS:HE3	2:19:B:TYR:HE2	16	0.21
(1,6322)	2:23:A:GLU:HB2	2:30:A:ASN:HD21	19	0.21
(1,6289)	2:26:B:LYS:HB3	2:26:B:LYS:HG2	4	0.21
(1,6289)	2:26:B:LYS:HB3	2:26:B:LYS:HG2	9	0.21
(1,6289)	2:26:A:LYS:HB3	2:26:A:LYS:HG2	12	0.21
(1,6206)	2:32:A:SER:HB3	2:33:A:GLU:HG2	4	0.21
(1,6184)	2:34:A:LEU:HD21	2:70:A:VAL:HG11	3	0.21
(1,6176)	2:34:A:LEU:HD12	2:33:A:GLU:HB2	6	0.21
(1,6176)	2:34:A:LEU:HD12	2:33:A:GLU:HB2	13	0.21
(1,6176)	2:34:A:LEU:HD12	2:33:A:GLU:HB2	14	0.21
(1,6176)	2:34:A:LEU:HD12	2:33:A:GLU:HB2	20	0.21
(1,6144)	2:37:B:LEU:HD12	2:12:B:MET:HA	9	0.21
(1,6130)	2:37:B:LEU:HD13	2:19:B:TYR:HE2	1	0.21
(1,6107)	2:38:B:LEU:HD13	2:34:B:LEU:HD13	7	0.21
(1,6067)	2:40:B:ARG:HD3	2:19:B:TYR:HE1	15	0.21
(1,6063)	2:40:B:ARG:HD2	2:39:B:THR:HG21	5	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6048)	2:42:B:LEU:HD21	2:79:B:LEU:HD22	10	0.21
(1,6047)	2:42:B:LEU:HD13	2:79:B:LEU:HD22	6	0.21
(1,6047)	2:42:B:LEU:HD13	2:79:B:LEU:HD22	8	0.21
(1,5993)	2:54:B:ALA:HB3	2:57:B:LYS:HD3	6	0.21
(1,5960)	2:59:B:MET:HE1	2:60:B:SER:HA	10	0.21
(1,5929)	2:62:B:LEU:HD12	1:1918:C:LYS:HA	16	0.21
(1,5897)	2:62:A:LEU:HD22	2:59:A:MET:HE1	10	0.21
(1,5891)	2:64:B:SER:HB2	2:65:B:ASN:HB3	3	0.21
(1,5831)	2:77:B:VAL:HG13	2:73:B:GLN:HE22	3	0.21
(1,5815)	2:79:B:LEU:HD21	2:9:A:LEU:HD22	14	0.21
(1,5784)	2:82:B:ILE:HG22	1:1929:C:VAL:H	15	0.21
(1,5783)	2:82:A:ILE:HD12	2:79:A:LEU:H	1	0.21
(1,5781)	2:82:A:ILE:HD11	2:42:A:LEU:HB2	19	0.21
(1,5766)	2:83:A:ALA:HB2	2:84:A:MET:HA	6	0.21
(1,5766)	2:83:A:ALA:HB3	2:84:A:MET:HA	12	0.21
(1,5766)	2:83:A:ALA:HB1	2:84:A:MET:HA	16	0.21
(1,5766)	2:83:A:ALA:HB3	2:84:A:MET:HA	17	0.21
(1,5761)	2:83:A:ALA:HB3	2:80:A:SER:H	3	0.21
(1,5684)	1:1900:C:LEU:HD21	2:82:A:ILE:HD13	17	0.21
(1,5684)	1:1900:C:LEU:HD22	2:82:A:ILE:HD13	17	0.21
(1,5684)	1:1900:C:LEU:HD23	2:82:A:ILE:HD13	17	0.21
(1,5652)	1:1900:C:LEU:HD21	2:59:A:MET:H	11	0.21
(1,5652)	1:1900:C:LEU:HD22	2:59:A:MET:H	11	0.21
(1,5652)	1:1900:C:LEU:HD23	2:59:A:MET:H	11	0.21
(1,5622)	1:1903:C:ALA:HB1	1:1902:C:ASP:HB3	15	0.21
(1,5622)	1:1903:C:ALA:HB2	1:1902:C:ASP:HB3	15	0.21
(1,5622)	1:1903:C:ALA:HB3	1:1902:C:ASP:HB3	15	0.21
(1,5621)	1:1903:C:ALA:HB1	1:1899:C:GLU:HG3	10	0.21
(1,5621)	1:1903:C:ALA:HB2	1:1899:C:GLU:HG3	10	0.21
(1,5621)	1:1903:C:ALA:HB3	1:1899:C:GLU:HG3	10	0.21
(1,5621)	1:1903:C:ALA:HB1	1:1899:C:GLU:HG3	18	0.21
(1,5621)	1:1903:C:ALA:HB2	1:1899:C:GLU:HG3	18	0.21
(1,5621)	1:1903:C:ALA:HB3	1:1899:C:GLU:HG3	18	0.21
(1,5482)	1:1910:C:MET:HG3	2:73:B:GLN:HB3	3	0.21
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG21	1	0.21
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG22	1	0.21
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG23	1	0.21
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG21	4	0.21
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG22	4	0.21
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG23	4	0.21
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG21	15	0.21
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG22	15	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG23	15	0.21
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG21	17	0.21
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG22	17	0.21
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG23	17	0.21
(1,5436)	1:1912:C:ARG:HG3	1:1912:C:ARG:H	11	0.21
(1,5406)	1:1914:C:VAL:HG11	1:1918:C:LYS:HA	15	0.21
(1,5406)	1:1914:C:VAL:HG12	1:1918:C:LYS:HA	15	0.21
(1,5406)	1:1914:C:VAL:HG13	1:1918:C:LYS:HA	15	0.21
(1,5406)	1:1914:C:VAL:HG11	1:1918:C:LYS:HA	17	0.21
(1,5406)	1:1914:C:VAL:HG12	1:1918:C:LYS:HA	17	0.21
(1,5406)	1:1914:C:VAL:HG13	1:1918:C:LYS:HA	17	0.21
(1,5391)	1:1914:C:VAL:HG11	2:77:B:VAL:HB	10	0.21
(1,5323)	1:1918:C:LYS:HB3	1:1917:C:LEU:HA	11	0.21
(1,5323)	1:1918:C:LYS:HB3	1:1917:C:LEU:HA	15	0.21
(1,5128)	1:1934:C:MET:HE3	2:13:A:VAL:HA	6	0.21
(1,5115)	1:1934:C:MET:HE1	1:1933:C:ARG:HA	8	0.21
(1,5115)	1:1934:C:MET:HE2	1:1933:C:ARG:HA	8	0.21
(1,5115)	1:1934:C:MET:HE3	1:1933:C:ARG:HA	8	0.21
(1,5075)	1:1900:C:LEU:H	1:1897:C:GLN:HG3	20	0.21
(1,5053)	1:1904:C:THR:H	1:1902:C:ASP:HB3	19	0.21
(1,4960)	1:1912:C:ARG:H	1:1912:C:ARG:HG3	11	0.21
(1,4882)	1:1920:C:LYS:H	1:1918:C:LYS:HB3	3	0.21
(1,4879)	1:1920:C:LYS:H	1:1926:C:LEU:HG	4	0.21
(1,4717)	1:1898:C:ARG:H	1:1898:C:ARG:HB2	16	0.21
(1,4594)	2:83:B:ALA:H	1:1918:C:LYS:HB3	9	0.21
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD11	10	0.21
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD12	10	0.21
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD13	10	0.21
(1,4412)	2:38:B:LEU:HD21	1:1928:C:PHE:HD2	20	0.21
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD21	6	0.21
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD22	6	0.21
(1,4186)	2:42:A:LEU:HD12	1:1900:C:LEU:HD23	6	0.21
(1,4180)	2:46:A:LEU:HD22	1:1900:C:LEU:HB3	13	0.21
(1,4179)	2:46:A:LEU:HD23	1:1900:C:LEU:HG	7	0.21
(1,4179)	2:46:A:LEU:HD23	1:1900:C:LEU:HG	14	0.21
(1,4177)	2:46:B:LEU:HD11	1:1927:C:PRO:HG2	1	0.21
(1,4155)	2:58:A:LEU:HD12	1:1903:C:ALA:H	2	0.21
(1,4121)	2:77:B:VAL:HG12	1:1913:C:GLU:H	17	0.21
(1,4086)	2:84:B:MET:HE2	1:1918:C:LYS:HD3	19	0.21
(1,4038)	2:85:A:MET:HB2	1:1903:C:ALA:HB1	14	0.21
(1,4038)	2:85:A:MET:HB2	1:1903:C:ALA:HB2	14	0.21
(1,4038)	2:85:A:MET:HB2	1:1903:C:ALA:HB3	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4038)	2:85:A:MET:HB2	1:1903:C:ALA:HB1	17	0.21
(1,4038)	2:85:A:MET:HB2	1:1903:C:ALA:HB2	17	0.21
(1,4038)	2:85:A:MET:HB2	1:1903:C:ALA:HB3	17	0.21
(1,4010)	2:58:B:LEU:HD11	1:1917:C:LEU:HD11	6	0.21
(1,4010)	2:58:B:LEU:HD11	1:1917:C:LEU:HD12	6	0.21
(1,4010)	2:58:B:LEU:HD11	1:1917:C:LEU:HD13	6	0.21
(1,3870)	2:45:B:PHE:HD1	2:42:B:LEU:HD12	14	0.21
(1,3870)	2:45:B:PHE:HD2	2:42:B:LEU:HD12	14	0.21
(1,3814)	2:95:B:ASP:H	2:94:B:PRO:HA	4	0.21
(1,3722)	2:90:B:PHE:H	2:89:B:PHE:HB2	13	0.21
(1,3224)	2:93:A:PHE:H	2:93:A:PHE:HB3	7	0.21
(1,3163)	2:86:A:CYS:H	2:9:B:LEU:HB2	4	0.21
(1,3163)	2:86:A:CYS:H	2:9:B:LEU:HB2	9	0.21
(1,3163)	2:86:A:CYS:H	2:9:B:LEU:HB2	13	0.21
(1,2993)	2:62:A:LEU:H	2:60:A:SER:HB3	12	0.21
(1,2988)	2:61:A:ASN:H	2:62:A:LEU:HD22	12	0.21
(1,2885)	2:49:A:ARG:H	2:47:A:GLY:HA3	14	0.21
(1,2728)	2:21:B:GLY:H	2:26:B:LYS:HD3	16	0.21
(1,2618)	2:3:A:CYS:H	2:41:B:GLU:HG2	1	0.21
(1,2600)	2:29:A:LEU:H	2:27:A:PHE:HD1	20	0.21
(1,2600)	2:29:A:LEU:H	2:27:A:PHE:HD2	20	0.21
(1,2591)	2:4:B:PRO:HG2	2:11:A:VAL:HG21	13	0.21
(1,2552)	2:5:A:LEU:HD23	2:79:B:LEU:HD22	8	0.21
(1,2522)	2:5:B:LEU:HD23	2:9:B:LEU:H	4	0.21
(1,2514)	2:5:B:LEU:HD21	2:8:B:ALA:HB1	16	0.21
(1,2498)	2:5:B:LEU:HD12	2:75:A:TYR:HE1	6	0.21
(1,2498)	2:5:B:LEU:HD12	2:75:A:TYR:HE2	6	0.21
(1,2494)	2:5:B:LEU:HD12	2:41:A:GLU:HB2	12	0.21
(1,2333)	2:11:A:VAL:HG11	2:11:A:VAL:HA	7	0.21
(1,2333)	2:11:A:VAL:HG13	2:11:A:VAL:HA	9	0.21
(1,2333)	2:11:A:VAL:HG13	2:11:A:VAL:HA	15	0.21
(1,2331)	2:11:A:VAL:HG11	2:7:A:LYS:HG3	13	0.21
(1,2313)	2:12:A:MET:HE1	2:9:B:LEU:H	14	0.21
(1,2313)	2:12:A:MET:HE1	2:9:B:LEU:H	15	0.21
(1,2311)	2:12:A:MET:HE1	2:12:A:MET:HA	16	0.21
(1,2308)	2:12:A:MET:HE1	2:79:A:LEU:HA	6	0.21
(1,2308)	2:12:A:MET:HE3	2:79:A:LEU:HA	18	0.21
(1,2268)	2:12:B:MET:HE1	2:12:B:MET:HG2	6	0.21
(1,2225)	2:13:A:VAL:HG13	2:16:A:PHE:HB2	9	0.21
(1,2225)	2:13:A:VAL:HG13	2:16:A:PHE:HB2	20	0.21
(1,2220)	2:13:A:VAL:HG12	2:83:B:ALA:HB3	4	0.21
(1,2065)	2:26:B:LYS:HD2	2:28:B:LYS:H	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD1	6	0.21
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD2	6	0.21
(1,2045)	2:28:A:LYS:HA	2:75:A:TYR:HD1	2	0.21
(1,2045)	2:28:A:LYS:HA	2:75:A:TYR:HD2	2	0.21
(1,2045)	2:28:A:LYS:HA	2:75:A:TYR:HD1	13	0.21
(1,2045)	2:28:A:LYS:HA	2:75:A:TYR:HD2	13	0.21
(1,2045)	2:28:A:LYS:HA	2:75:A:TYR:HD1	18	0.21
(1,2045)	2:28:A:LYS:HA	2:75:A:TYR:HD2	18	0.21
(1,1960)	2:34:B:LEU:HD22	2:29:B:LEU:HD11	19	0.21
(1,1737)	2:38:B:LEU:HD12	2:55:B:PHE:HE1	17	0.21
(1,1737)	2:38:B:LEU:HD12	2:55:B:PHE:HE2	17	0.21
(1,1711)	2:38:A:LEU:HD12	2:38:A:LEU:HG	4	0.21
(1,1711)	2:38:A:LEU:HD11	2:38:A:LEU:HG	6	0.21
(1,1711)	2:38:A:LEU:HD12	2:38:A:LEU:HG	11	0.21
(1,1671)	2:39:B:THR:HG21	2:40:B:ARG:HD2	5	0.21
(1,1597)	2:42:B:LEU:HD11	2:43:B:PRO:HD3	10	0.21
(1,1597)	2:42:B:LEU:HD11	2:43:B:PRO:HD3	19	0.21
(1,1550)	2:42:A:LEU:HD11	2:42:A:LEU:HG	5	0.21
(1,1548)	2:42:A:LEU:HD12	2:37:A:LEU:HB3	14	0.21
(1,1504)	2:46:B:LEU:HD23	2:46:B:LEU:HG	6	0.21
(1,1465)	2:46:A:LEU:HD22	2:55:A:PHE:HE1	10	0.21
(1,1460)	2:46:A:LEU:HD23	2:47:A:GLY:H	7	0.21
(1,1442)	2:48:B:LYS:HA	2:48:B:LYS:HG3	1	0.21
(1,1408)	2:49:A:ARG:HD2	2:54:A:ALA:HB2	2	0.21
(1,1362)	2:52:B:GLU:HG2	2:53:B:ALA:HB1	19	0.21
(1,1302)	2:54:B:ALA:HB3	2:55:B:PHE:H	1	0.21
(1,1283)	2:54:A:ALA:HB2	1:1897:C:GLN:HE22	4	0.21
(1,1283)	2:54:A:ALA:HB3	1:1897:C:GLN:HE22	9	0.21
(1,1270)	2:56:B:GLN:HB2	2:57:B:LYS:HB2	5	0.21
(1,1201)	2:58:B:LEU:HD11	1:1928:C:PHE:HZ	2	0.21
(1,1201)	2:58:B:LEU:HD11	1:1928:C:PHE:HZ	16	0.21
(1,1157)	2:58:A:LEU:HD23	2:45:A:PHE:HB3	11	0.21
(1,1142)	2:58:A:LEU:HD13	1:1904:C:THR:HG21	19	0.21
(1,1142)	2:58:A:LEU:HD13	1:1904:C:THR:HG22	19	0.21
(1,1142)	2:58:A:LEU:HD13	1:1904:C:THR:HG23	19	0.21
(1,1089)	2:59:B:MET:HE3	2:30:B:ASN:HA	13	0.21
(1,1085)	2:59:B:MET:HE1	2:31:B:LYS:HA	4	0.21
(1,1080)	2:59:B:MET:HE2	2:59:B:MET:HG2	15	0.21
(1,1078)	2:59:B:MET:HE2	2:59:B:MET:HB2	8	0.21
(1,1078)	2:59:B:MET:HE2	2:59:B:MET:HB2	13	0.21
(1,1078)	2:59:B:MET:HE2	2:59:B:MET:HB2	20	0.21
(1,1050)	2:59:A:MET:HE1	2:70:A:VAL:H	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1049)	2:59:A:MET:HE1	2:71:A:ASP:H	11	0.21
(1,1045)	2:59:A:MET:HE1	2:31:A:LYS:H	9	0.21
(1,1045)	2:59:A:MET:HE1	2:31:A:LYS:H	18	0.21
(1,1037)	2:59:A:MET:HE3	2:68:A:ASN:HA	8	0.21
(1,993)	2:60:B:SER:HB3	2:62:B:LEU:H	10	0.21
(1,934)	2:62:B:LEU:HD12	2:61:B:ASN:HB3	16	0.21
(1,917)	2:29:A:LEU:HD21	2:20:A:SER:HA	20	0.21
(1,765)	2:70:B:VAL:HG22	2:63:B:ASP:HB3	2	0.21
(1,731)	2:70:A:VAL:HG13	2:74:A:GLU:HG2	16	0.21
(1,703)	2:71:B:ASP:HA	2:75:B:TYR:HD1	17	0.21
(1,703)	2:71:B:ASP:HA	2:75:B:TYR:HD2	17	0.21
(1,611)	2:77:B:VAL:HG12	2:77:B:VAL:HB	6	0.21
(1,610)	2:77:B:VAL:HG13	2:73:B:GLN:HG2	11	0.21
(1,590)	2:77:B:VAL:HG12	1:1913:C:GLU:H	17	0.21
(1,472)	2:79:A:LEU:HD23	2:75:A:TYR:HE1	3	0.21
(1,472)	2:79:A:LEU:HD23	2:75:A:TYR:HE2	3	0.21
(1,254)	2:84:B:MET:HE1	2:81:B:CYS:H	4	0.21
(1,254)	2:84:B:MET:HE1	2:81:B:CYS:H	17	0.21
(1,254)	2:84:B:MET:HE1	2:81:B:CYS:H	20	0.21
(1,251)	2:84:B:MET:HE2	2:81:B:CYS:HA	13	0.21
(1,235)	2:84:B:MET:HA	2:72:A:PHE:HE1	15	0.21
(1,235)	2:84:B:MET:HA	2:72:A:PHE:HE2	15	0.21
(1,209)	2:84:A:MET:HE1	2:73:B:GLN:HA	18	0.21
(1,209)	2:84:A:MET:HE1	2:73:B:GLN:HA	19	0.21
(1,207)	2:84:A:MET:HE1	2:81:A:CYS:HG	10	0.21
(1,171)	2:85:B:MET:HE2	1:1918:C:LYS:HA	20	0.21
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG21	15	0.21
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG22	15	0.21
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG23	15	0.21
(1,144)	2:85:A:MET:HE2	2:85:A:MET:HG2	8	0.21
(1,144)	2:85:A:MET:HE2	2:85:A:MET:HG2	18	0.21
(1,144)	2:85:A:MET:HE2	2:85:A:MET:HG2	20	0.21
(1,134)	2:85:A:MET:HE1	2:82:A:ILE:HD13	13	0.21
(1,79)	2:87:B:ASN:HA	2:90:B:PHE:HB3	5	0.21
(2,18)	2:28:A:LYS:HD3	2:20:A:SER:HB2	1	0.2
(2,18)	2:28:A:LYS:HD3	2:20:A:SER:HB2	5	0.2
(2,18)	2:28:A:LYS:HD3	2:20:A:SER:HB2	7	0.2
(2,1)	2:91:B:GLU:HA	2:27:A:PHE:HD1	10	0.2
(2,1)	2:91:B:GLU:HA	2:27:A:PHE:HD2	10	0.2
(1,6996)	2:72:B:PHE:HZ	2:13:B:VAL:HA	7	0.2
(1,6996)	2:72:B:PHE:HZ	2:13:B:VAL:HA	17	0.2
(1,6992)	2:27:A:PHE:HE2	2:26:A:LYS:HE3	11	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6949)	2:80:B:SER:H	2:79:B:LEU:HD21	2	0.2
(1,6949)	2:80:B:SER:H	2:79:B:LEU:HD21	13	0.2
(1,6922)	2:60:B:SER:H	2:58:B:LEU:HD13	9	0.2
(1,6921)	2:59:B:MET:H	2:58:B:LEU:HD22	2	0.2
(1,6921)	2:59:B:MET:H	2:58:B:LEU:HD22	10	0.2
(1,6921)	2:59:B:MET:H	2:58:B:LEU:HD22	12	0.2
(1,6921)	2:59:B:MET:H	2:58:B:LEU:HD22	16	0.2
(1,6921)	2:59:B:MET:H	2:58:B:LEU:HD22	18	0.2
(1,6921)	2:59:B:MET:H	2:58:B:LEU:HD22	19	0.2
(1,6885)	2:38:B:LEU:H	2:37:B:LEU:HD13	18	0.2
(1,6815)	2:62:A:LEU:H	1:1908:C:ASP:H	2	0.2
(1,6815)	2:62:A:LEU:H	1:1908:C:ASP:H	4	0.2
(1,6815)	2:62:A:LEU:H	1:1908:C:ASP:H	17	0.2
(1,6815)	2:62:A:LEU:H	1:1908:C:ASP:H	19	0.2
(1,6809)	2:61:A:ASN:H	2:59:A:MET:HB2	5	0.2
(1,6809)	2:61:A:ASN:H	2:59:A:MET:HB2	15	0.2
(1,6797)	2:47:A:GLY:H	2:46:A:LEU:HA	8	0.2
(1,6790)	2:41:A:GLU:H	2:19:A:TYR:HE2	11	0.2
(1,6777)	2:34:A:LEU:H	2:59:A:MET:HE1	19	0.2
(1,6650)	2:101:B:LYS:H	2:100:B:LYS:HA	9	0.2
(1,6644)	2:4:B:PRO:HG2	2:11:A:VAL:HG22	6	0.2
(1,6601)	2:5:A:LEU:HD21	2:12:B:MET:HE3	5	0.2
(1,6592)	2:5:B:LEU:HD22	2:79:A:LEU:HG	2	0.2
(1,6592)	2:5:B:LEU:HD23	2:79:A:LEU:HG	8	0.2
(1,6589)	2:5:B:LEU:HD21	2:11:A:VAL:HB	5	0.2
(1,6589)	2:5:B:LEU:HD21	2:11:A:VAL:HB	11	0.2
(1,6564)	2:7:A:LYS:HB3	2:6:A:GLU:H	13	0.2
(1,6564)	2:7:A:LYS:HB3	2:6:A:GLU:H	14	0.2
(1,6564)	2:7:A:LYS:HB3	2:6:A:GLU:H	19	0.2
(1,6542)	2:8:B:ALA:HB1	2:12:A:MET:HB2	9	0.2
(1,6533)	2:8:B:ALA:HA	2:11:B:VAL:HG11	9	0.2
(1,6533)	2:8:B:ALA:HA	2:11:B:VAL:HG11	11	0.2
(1,6533)	2:8:A:ALA:HA	2:11:A:VAL:HG11	13	0.2
(1,6516)	2:9:B:LEU:HD22	2:12:B:MET:HG3	20	0.2
(1,6436)	2:12:B:MET:HE2	2:9:B:LEU:HD12	6	0.2
(1,6362)	2:21:B:GLY:HA3	2:26:B:LYS:HB2	12	0.2
(1,6333)	2:23:A:GLU:HG2	2:22:A:LYS:H	6	0.2
(1,6235)	2:29:A:LEU:HD11	2:34:A:LEU:H	14	0.2
(1,6183)	2:34:A:LEU:HD22	2:38:A:LEU:HG	17	0.2
(1,6144)	2:37:B:LEU:HD13	2:12:B:MET:HA	14	0.2
(1,6096)	2:38:A:LEU:HD22	2:62:A:LEU:HD21	3	0.2
(1,6093)	2:38:A:LEU:HD22	2:58:A:LEU:HG	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6067)	2:40:A:ARG:HD3	2:19:A:TYR:HE1	1	0.2
(1,6067)	2:40:A:ARG:HD3	2:19:A:TYR:HE1	16	0.2
(1,6063)	2:40:B:ARG:HD2	2:39:B:THR:HG22	15	0.2
(1,6063)	2:40:B:ARG:HD2	2:39:B:THR:HG21	17	0.2
(1,6060)	2:40:B:ARG:HG2	2:36:B:GLU:HG2	16	0.2
(1,6051)	2:42:B:LEU:HD12	2:45:B:PHE:HB3	14	0.2
(1,6032)	2:42:A:LEU:HD11	2:41:A:GLU:HB3	20	0.2
(1,6027)	2:45:A:PHE:HA	2:46:A:LEU:HD22	9	0.2
(1,5997)	2:90:B:PHE:HA	2:91:B:GLU:HB2	1	0.2
(1,5993)	2:54:A:ALA:HB2	1:1898:C:ARG:HG2	11	0.2
(1,5921)	2:62:B:LEU:HD23	1:1917:C:LEU:HD21	9	0.2
(1,5899)	2:29:A:LEU:HD21	2:19:A:TYR:HB3	2	0.2
(1,5891)	2:64:B:SER:HB2	2:65:B:ASN:HB3	7	0.2
(1,5842)	2:77:B:VAL:HG22	2:77:B:VAL:HG11	13	0.2
(1,5831)	2:77:B:VAL:HG11	2:73:B:GLN:HE22	13	0.2
(1,5815)	2:79:B:LEU:HD21	2:9:A:LEU:HD22	1	0.2
(1,5806)	2:79:A:LEU:HD22	2:12:A:MET:HG3	10	0.2
(1,5788)	2:82:B:ILE:HG22	2:42:B:LEU:HD21	12	0.2
(1,5788)	2:82:B:ILE:HG22	2:42:B:LEU:HD21	14	0.2
(1,5783)	2:82:A:ILE:HD12	2:79:A:LEU:H	4	0.2
(1,5777)	2:83:B:ALA:HB3	2:13:A:VAL:HG12	18	0.2
(1,5766)	2:83:A:ALA:HB1	2:84:A:MET:HA	13	0.2
(1,5661)	1:1900:C:LEU:HD13	2:45:A:PHE:HA	5	0.2
(1,5661)	1:1900:C:LEU:HD13	2:45:A:PHE:HA	13	0.2
(1,5661)	1:1900:C:LEU:HD11	2:45:A:PHE:HA	17	0.2
(1,5661)	1:1900:C:LEU:HD12	2:45:A:PHE:HA	18	0.2
(1,5654)	1:1900:C:LEU:HD21	2:78:A:PHE:HE1	4	0.2
(1,5654)	1:1900:C:LEU:HD21	2:78:A:PHE:HE2	4	0.2
(1,5654)	1:1900:C:LEU:HD22	2:78:A:PHE:HE1	4	0.2
(1,5654)	1:1900:C:LEU:HD22	2:78:A:PHE:HE2	4	0.2
(1,5654)	1:1900:C:LEU:HD23	2:78:A:PHE:HE1	4	0.2
(1,5654)	1:1900:C:LEU:HD23	2:78:A:PHE:HE2	4	0.2
(1,5652)	1:1900:C:LEU:HD21	2:59:A:MET:H	7	0.2
(1,5652)	1:1900:C:LEU:HD22	2:59:A:MET:H	7	0.2
(1,5652)	1:1900:C:LEU:HD23	2:59:A:MET:H	7	0.2
(1,5542)	1:1907:C:ALA:HB1	2:62:A:LEU:HD22	14	0.2
(1,5542)	1:1907:C:ALA:HB2	2:62:A:LEU:HD22	14	0.2
(1,5542)	1:1907:C:ALA:HB3	2:62:A:LEU:HD22	14	0.2
(1,5406)	1:1914:C:VAL:HG11	1:1918:C:LYS:HA	20	0.2
(1,5406)	1:1914:C:VAL:HG12	1:1918:C:LYS:HA	20	0.2
(1,5406)	1:1914:C:VAL:HG13	1:1918:C:LYS:HA	20	0.2
(1,5391)	1:1914:C:VAL:HG13	2:77:B:VAL:HB	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5323)	1:1918:C:LYS:HB3	1:1917:C:LEU:HA	8	0.2
(1,5235)	1:1926:C:LEU:HD21	2:78:B:PHE:HE1	10	0.2
(1,5235)	1:1926:C:LEU:HD21	2:78:B:PHE:HE2	10	0.2
(1,5235)	1:1926:C:LEU:HD22	2:78:B:PHE:HE1	10	0.2
(1,5235)	1:1926:C:LEU:HD22	2:78:B:PHE:HE2	10	0.2
(1,5235)	1:1926:C:LEU:HD23	2:78:B:PHE:HE1	10	0.2
(1,5235)	1:1926:C:LEU:HD23	2:78:B:PHE:HE2	10	0.2
(1,5229)	1:1926:C:LEU:HD21	2:85:B:MET:HE1	4	0.2
(1,5229)	1:1926:C:LEU:HD22	2:85:B:MET:HE1	4	0.2
(1,5229)	1:1926:C:LEU:HD23	2:85:B:MET:HE1	4	0.2
(1,5191)	1:1929:C:VAL:HG11	1:1931:C:PRO:HD3	3	0.2
(1,5191)	1:1929:C:VAL:HG12	1:1931:C:PRO:HD3	3	0.2
(1,5191)	1:1929:C:VAL:HG13	1:1931:C:PRO:HD3	3	0.2
(1,5191)	1:1929:C:VAL:HG11	1:1931:C:PRO:HD3	8	0.2
(1,5191)	1:1929:C:VAL:HG12	1:1931:C:PRO:HD3	8	0.2
(1,5191)	1:1929:C:VAL:HG13	1:1931:C:PRO:HD3	8	0.2
(1,5191)	1:1929:C:VAL:HG11	1:1931:C:PRO:HD3	15	0.2
(1,5191)	1:1929:C:VAL:HG12	1:1931:C:PRO:HD3	15	0.2
(1,5191)	1:1929:C:VAL:HG13	1:1931:C:PRO:HD3	15	0.2
(1,5169)	1:1929:C:VAL:HG11	2:48:B:LYS:H	19	0.2
(1,5169)	1:1929:C:VAL:HG12	2:48:B:LYS:H	19	0.2
(1,5169)	1:1929:C:VAL:HG13	2:48:B:LYS:H	19	0.2
(1,5128)	1:1934:C:MET:HE2	2:6:A:GLU:HA	8	0.2
(1,5053)	1:1904:C:THR:H	1:1902:C:ASP:HB3	16	0.2
(1,4994)	1:1910:C:MET:H	2:73:B:GLN:HB3	5	0.2
(1,4959)	1:1912:C:ARG:H	1:1912:C:ARG:HG2	12	0.2
(1,4879)	1:1920:C:LYS:H	1:1926:C:LEU:HG	11	0.2
(1,4795)	1:1933:C:ARG:H	1:1933:C:ARG:HG2	8	0.2
(1,4620)	2:76:A:CYS:HB3	1:1914:C:VAL:HG23	3	0.2
(1,4589)	1:1918:C:LYS:HD2	1:1915:C:SER:HB2	1	0.2
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD11	3	0.2
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD12	3	0.2
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD13	3	0.2
(1,4483)	2:45:B:PHE:H	1:1930:C:VAL:HA	12	0.2
(1,4390)	1:1928:C:PHE:HZ	1:1929:C:VAL:HG11	7	0.2
(1,4390)	1:1928:C:PHE:HZ	1:1929:C:VAL:HG12	7	0.2
(1,4390)	1:1928:C:PHE:HZ	1:1929:C:VAL:HG13	7	0.2
(1,4179)	2:46:A:LEU:HD23	1:1900:C:LEU:HG	3	0.2
(1,4121)	2:77:B:VAL:HG13	1:1913:C:GLU:H	3	0.2
(1,4055)	2:85:B:MET:HE2	1:1918:C:LYS:HG2	12	0.2
(1,4055)	2:85:B:MET:HE2	1:1918:C:LYS:HG2	14	0.2
(1,4046)	2:85:A:MET:HE2	1:1899:C:GLU:HB3	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4038)	2:85:A:MET:HB2	1:1903:C:ALA:HB1	5	0.2
(1,4038)	2:85:A:MET:HB2	1:1903:C:ALA:HB2	5	0.2
(1,4038)	2:85:A:MET:HB2	1:1903:C:ALA:HB3	5	0.2
(1,4027)	2:82:B:ILE:HG21	1:1929:C:VAL:HG11	13	0.2
(1,4027)	2:82:B:ILE:HG21	1:1929:C:VAL:HG12	13	0.2
(1,4027)	2:82:B:ILE:HG21	1:1929:C:VAL:HG13	13	0.2
(1,3904)	2:38:A:LEU:HD13	1:1900:C:LEU:HD21	1	0.2
(1,3904)	2:38:A:LEU:HD13	1:1900:C:LEU:HD22	1	0.2
(1,3904)	2:38:A:LEU:HD13	1:1900:C:LEU:HD23	1	0.2
(1,3882)	2:19:A:TYR:HE1	2:36:A:GLU:HG2	5	0.2
(1,3882)	2:19:A:TYR:HE2	2:36:A:GLU:HG2	5	0.2
(1,3820)	2:78:A:PHE:H	2:78:A:PHE:HE1	2	0.2
(1,3820)	2:78:A:PHE:H	2:78:A:PHE:HE2	2	0.2
(1,3796)	2:27:B:PHE:H	2:27:B:PHE:HD1	20	0.2
(1,3796)	2:27:B:PHE:H	2:27:B:PHE:HD2	20	0.2
(1,3764)	2:97:B:GLN:H	2:96:B:LYS:HA	18	0.2
(1,3745)	2:93:B:PHE:H	2:94:B:PRO:HA	10	0.2
(1,3745)	2:93:B:PHE:H	2:94:B:PRO:HA	17	0.2
(1,3252)	2:2:B:ALA:H	2:4:B:PRO:HG3	5	0.2
(1,3252)	2:2:B:ALA:H	2:4:B:PRO:HG3	9	0.2
(1,3163)	2:86:A:CYS:H	2:9:B:LEU:HB2	10	0.2
(1,2993)	2:62:A:LEU:H	2:60:A:SER:HB3	1	0.2
(1,2993)	2:62:A:LEU:H	2:60:A:SER:HB3	4	0.2
(1,2993)	2:62:A:LEU:H	2:60:A:SER:HB3	13	0.2
(1,2993)	2:62:A:LEU:H	2:60:A:SER:HB3	17	0.2
(1,2904)	2:51:A:ASP:H	2:46:A:LEU:HB3	15	0.2
(1,2618)	2:3:A:CYS:H	2:41:B:GLU:HG2	12	0.2
(1,2618)	2:3:A:CYS:H	2:41:B:GLU:HG2	15	0.2
(1,2610)	2:2:A:ALA:H	2:2:B:ALA:HB1	17	0.2
(1,2600)	2:29:A:LEU:H	2:27:A:PHE:HD1	5	0.2
(1,2600)	2:29:A:LEU:H	2:27:A:PHE:HD2	5	0.2
(1,2591)	2:4:B:PRO:HG2	2:11:A:VAL:HG22	6	0.2
(1,2565)	2:2:B:ALA:HB3	2:4:B:PRO:HD3	16	0.2
(1,2565)	2:2:B:ALA:HB3	2:4:B:PRO:HD3	18	0.2
(1,2522)	2:5:B:LEU:HD21	2:9:B:LEU:H	14	0.2
(1,2514)	2:5:B:LEU:HD23	2:8:B:ALA:HB1	2	0.2
(1,2498)	2:5:B:LEU:HD12	2:75:A:TYR:HE1	13	0.2
(1,2498)	2:5:B:LEU:HD12	2:75:A:TYR:HE2	13	0.2
(1,2426)	2:9:A:LEU:HD12	2:45:B:PHE:HZ	11	0.2
(1,2383)	2:9:B:LEU:HD12	2:82:A:ILE:HG13	12	0.2
(1,2383)	2:9:B:LEU:HD13	2:82:A:ILE:HG13	17	0.2
(1,2382)	2:9:B:LEU:HD13	2:79:A:LEU:HB3	17	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2333)	2:11:A:VAL:HG12	2:11:A:VAL:HA	1	0.2
(1,2333)	2:11:A:VAL:HG13	2:11:A:VAL:HA	5	0.2
(1,2333)	2:11:A:VAL:HG13	2:11:A:VAL:HA	13	0.2
(1,2333)	2:11:A:VAL:HG12	2:11:A:VAL:HA	16	0.2
(1,2333)	2:11:A:VAL:HG13	2:11:A:VAL:HA	18	0.2
(1,2333)	2:11:A:VAL:HG13	2:11:A:VAL:HA	20	0.2
(1,2317)	2:12:A:MET:HE1	2:12:A:MET:H	10	0.2
(1,2311)	2:12:A:MET:HE1	2:12:A:MET:HA	7	0.2
(1,2278)	2:12:B:MET:HE1	2:12:B:MET:H	11	0.2
(1,2277)	2:12:B:MET:HE1	2:75:B:TYR:HE1	7	0.2
(1,2277)	2:12:B:MET:HE1	2:75:B:TYR:HE2	7	0.2
(1,2271)	2:12:B:MET:HE3	2:79:B:LEU:HA	10	0.2
(1,2181)	2:15:B:THR:HG23	2:41:B:GLU:HB2	5	0.2
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD1	1	0.2
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD2	1	0.2
(1,2039)	2:29:B:LEU:HD11	2:34:B:LEU:HA	16	0.2
(1,2015)	2:29:B:LEU:HD13	2:27:B:PHE:HD1	6	0.2
(1,2015)	2:29:B:LEU:HD13	2:27:B:PHE:HD2	6	0.2
(1,1988)	2:31:A:LYS:HD2	2:55:A:PHE:HD1	3	0.2
(1,1940)	2:34:B:LEU:HD13	2:59:B:MET:H	4	0.2
(1,1938)	2:34:B:LEU:HD13	2:62:B:LEU:HD13	19	0.2
(1,1937)	2:34:B:LEU:HD13	2:62:B:LEU:HD22	7	0.2
(1,1819)	2:36:B:GLU:HB2	2:33:B:GLU:HA	16	0.2
(1,1737)	2:38:B:LEU:HD13	2:55:B:PHE:HE1	15	0.2
(1,1737)	2:38:B:LEU:HD13	2:55:B:PHE:HE2	15	0.2
(1,1736)	2:38:B:LEU:HD21	2:38:B:LEU:HA	6	0.2
(1,1736)	2:38:B:LEU:HD23	2:38:B:LEU:HA	10	0.2
(1,1709)	2:38:A:LEU:HD11	2:42:A:LEU:HD23	15	0.2
(1,1691)	2:38:A:LEU:HD23	2:39:A:THR:H	2	0.2
(1,1671)	2:39:B:THR:HG22	2:40:B:ARG:HD2	15	0.2
(1,1671)	2:39:B:THR:HG21	2:40:B:ARG:HD2	17	0.2
(1,1597)	2:42:B:LEU:HD11	2:43:B:PRO:HD3	12	0.2
(1,1566)	2:42:A:LEU:HD12	2:75:A:TYR:HE1	9	0.2
(1,1566)	2:42:A:LEU:HD12	2:75:A:TYR:HE2	9	0.2
(1,1550)	2:42:A:LEU:HD11	2:42:A:LEU:HG	1	0.2
(1,1550)	2:42:A:LEU:HD11	2:42:A:LEU:HG	3	0.2
(1,1550)	2:42:A:LEU:HD11	2:42:A:LEU:HG	13	0.2
(1,1548)	2:42:A:LEU:HD12	2:37:A:LEU:HB3	7	0.2
(1,1504)	2:46:B:LEU:HD23	2:46:B:LEU:HG	2	0.2
(1,1504)	2:46:B:LEU:HD22	2:46:B:LEU:HG	8	0.2
(1,1482)	2:46:A:LEU:HD22	2:46:A:LEU:HG	2	0.2
(1,1465)	2:46:A:LEU:HD22	2:55:A:PHE:HE1	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1460)	2:46:A:LEU:HD23	2:47:A:GLY:H	16	0.2
(1,1407)	2:49:A:ARG:HG2	2:54:A:ALA:HB3	6	0.2
(1,1373)	2:50:A:THR:HA	2:55:A:PHE:HD1	7	0.2
(1,1373)	2:50:A:THR:HA	2:55:A:PHE:HD2	7	0.2
(1,1356)	2:52:B:GLU:HG3	2:55:B:PHE:H	8	0.2
(1,1332)	2:53:B:ALA:HB3	2:56:B:GLN:H	2	0.2
(1,1326)	2:53:B:ALA:HA	2:56:B:GLN:HB3	3	0.2
(1,1322)	2:53:A:ALA:HB1	2:56:A:GLN:HE22	12	0.2
(1,1302)	2:54:B:ALA:HB2	2:55:B:PHE:H	4	0.2
(1,1075)	2:59:B:MET:HE3	2:29:B:LEU:HB3	15	0.2
(1,1074)	2:59:B:MET:HE3	2:70:B:VAL:HG11	15	0.2
(1,1074)	2:59:B:MET:HE1	2:70:B:VAL:HG11	19	0.2
(1,1051)	2:59:A:MET:HE3	2:68:A:ASN:H	10	0.2
(1,1051)	2:59:A:MET:HE3	2:68:A:ASN:H	17	0.2
(1,1049)	2:59:A:MET:HE3	2:71:A:ASP:H	2	0.2
(1,1049)	2:59:A:MET:HE1	2:71:A:ASP:H	16	0.2
(1,1049)	2:59:A:MET:HE2	2:71:A:ASP:H	19	0.2
(1,1045)	2:59:A:MET:HE3	2:31:A:LYS:H	5	0.2
(1,1045)	2:59:A:MET:HE2	2:31:A:LYS:H	8	0.2
(1,1045)	2:59:A:MET:HE1	2:31:A:LYS:H	12	0.2
(1,1045)	2:59:A:MET:HE2	2:31:A:LYS:H	13	0.2
(1,1045)	2:59:A:MET:HE2	2:31:A:LYS:H	20	0.2
(1,1030)	2:59:A:MET:HE3	2:70:A:VAL:HG13	12	0.2
(1,934)	2:62:B:LEU:HD12	2:61:B:ASN:HB3	10	0.2
(1,902)	2:62:A:LEU:HD11	2:81:A:CYS:HB2	6	0.2
(1,819)	2:68:B:ASN:HA	2:68:B:ASN:HB3	4	0.2
(1,819)	2:68:B:ASN:HA	2:68:B:ASN:HB3	7	0.2
(1,717)	2:70:B:VAL:HG13	2:78:B:PHE:HE1	2	0.2
(1,717)	2:70:B:VAL:HG13	2:78:B:PHE:HE2	2	0.2
(1,617)	2:77:B:VAL:HG23	1:1917:C:LEU:HB2	2	0.2
(1,611)	2:77:B:VAL:HG12	2:77:B:VAL:HB	19	0.2
(1,590)	2:77:B:VAL:HG13	1:1913:C:GLU:H	3	0.2
(1,531)	2:79:B:LEU:HD21	2:79:B:LEU:HA	7	0.2
(1,531)	2:79:B:LEU:HD21	2:79:B:LEU:HA	10	0.2
(1,531)	2:79:B:LEU:HD21	2:79:B:LEU:HA	13	0.2
(1,518)	2:79:B:LEU:HD12	2:5:A:LEU:HD23	1	0.2
(1,359)	2:82:B:ILE:HD11	1:1928:C:PHE:HD1	14	0.2
(1,359)	2:82:B:ILE:HD11	1:1928:C:PHE:HD2	14	0.2
(1,266)	2:83:A:ALA:HB3	2:76:B:CYS:H	18	0.2
(1,254)	2:84:B:MET:HE1	2:81:B:CYS:H	16	0.2
(1,251)	2:84:B:MET:HE1	2:81:B:CYS:HA	15	0.2
(1,248)	2:84:B:MET:HE1	2:80:B:SER:HB3	18	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,178)	2:85:B:MET:HE1	1:1928:C:PHE:HZ	18	0.2
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG21	6	0.2
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG22	6	0.2
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG23	6	0.2
(1,149)	2:85:A:MET:HE1	2:45:A:PHE:HA	5	0.2
(1,146)	2:85:A:MET:HE2	1:1900:C:LEU:HA	4	0.2
(1,146)	2:85:A:MET:HE2	1:1900:C:LEU:HA	10	0.2
(1,144)	2:85:A:MET:HE2	2:85:A:MET:HG2	1	0.2
(1,144)	2:85:A:MET:HE2	2:85:A:MET:HG2	6	0.2
(1,144)	2:85:A:MET:HE2	2:85:A:MET:HG2	11	0.2
(1,144)	2:85:A:MET:HE2	2:85:A:MET:HG2	13	0.2
(1,144)	2:85:A:MET:HE2	2:85:A:MET:HG2	15	0.2
(1,144)	2:85:A:MET:HE2	2:85:A:MET:HG2	16	0.2
(1,144)	2:85:A:MET:HE2	2:85:A:MET:HG2	19	0.2
(1,128)	2:85:A:MET:HE1	2:45:A:PHE:H	3	0.2
(2,46)	1:1916:C:SER:H	1:1912:C:ARG:HB2	4	0.19
(2,27)	2:47:B:GLY:H	1:1929:C:VAL:HA	15	0.19
(2,18)	2:28:A:LYS:HD3	2:20:A:SER:HB2	17	0.19
(2,15)	2:35:A:LYS:HE3	2:50:A:THR:HB	3	0.19
(2,15)	2:35:A:LYS:HE3	2:50:A:THR:HB	9	0.19
(2,1)	2:91:B:GLU:HA	2:27:A:PHE:HD1	15	0.19
(2,1)	2:91:B:GLU:HA	2:27:A:PHE:HD2	15	0.19
(1,7019)	2:19:B:TYR:HE2	2:37:B:LEU:HA	8	0.19
(1,6975)	2:78:B:PHE:HD2	1:1921:C:LEU:HD13	19	0.19
(1,6921)	2:59:B:MET:H	2:58:B:LEU:HD22	4	0.19
(1,6921)	2:59:B:MET:H	2:58:B:LEU:HD22	6	0.19
(1,6921)	2:59:B:MET:H	2:58:B:LEU:HD22	11	0.19
(1,6921)	2:59:B:MET:H	2:58:B:LEU:HD22	13	0.19
(1,6921)	2:59:B:MET:H	2:58:B:LEU:HD22	15	0.19
(1,6847)	2:83:A:ALA:H	2:72:B:PHE:HE1	1	0.19
(1,6841)	2:80:A:SER:H	2:77:A:VAL:HG21	16	0.19
(1,6815)	2:62:A:LEU:H	1:1908:C:ASP:H	5	0.19
(1,6815)	2:62:A:LEU:H	1:1908:C:ASP:H	7	0.19
(1,6811)	2:61:A:ASN:H	2:57:A:LYS:HD2	5	0.19
(1,6811)	2:61:A:ASN:H	2:57:A:LYS:HD2	19	0.19
(1,6797)	2:47:A:GLY:H	2:46:A:LEU:HA	3	0.19
(1,6777)	2:34:A:LEU:H	2:59:A:MET:HE2	10	0.19
(1,6771)	2:28:A:LYS:H	2:17:A:HIS:HA	12	0.19
(1,6592)	2:5:B:LEU:HD22	2:79:A:LEU:HG	17	0.19
(1,6589)	2:5:B:LEU:HD21	2:11:A:VAL:HB	10	0.19
(1,6577)	2:6:B:GLU:HA	2:42:A:LEU:HD11	8	0.19
(1,6573)	2:6:B:GLU:HA	2:43:A:PRO:HD3	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6564)	2:7:A:LYS:HB3	2:6:A:GLU:H	20	0.19
(1,6555)	2:8:A:ALA:HB2	2:12:B:MET:HA	7	0.19
(1,6552)	2:8:B:ALA:HB1	2:7:B:LYS:HB3	8	0.19
(1,6540)	2:8:B:ALA:HB2	2:12:A:MET:HG2	12	0.19
(1,6533)	2:8:A:ALA:HA	2:11:A:VAL:HG12	17	0.19
(1,6533)	2:8:B:ALA:HA	2:11:B:VAL:HG11	18	0.19
(1,6523)	2:9:A:LEU:HD13	2:11:A:VAL:H	13	0.19
(1,6489)	2:11:A:VAL:HG13	2:8:A:ALA:H	3	0.19
(1,6489)	2:11:A:VAL:HG12	2:8:A:ALA:H	14	0.19
(1,6455)	2:12:A:MET:HE3	2:76:A:CYS:HA	17	0.19
(1,6424)	2:13:B:VAL:HG21	2:87:A:ASN:HA	2	0.19
(1,6424)	2:13:B:VAL:HG23	2:87:A:ASN:HA	12	0.19
(1,6383)	2:88:A:GLU:HA	2:91:A:GLU:H	12	0.19
(1,6354)	2:22:B:LYS:HD2	2:19:B:TYR:HD1	11	0.19
(1,6243)	2:29:B:LEU:HD11	2:34:B:LEU:HD21	7	0.19
(1,6209)	2:32:B:SER:HB3	2:30:B:ASN:HD21	3	0.19
(1,6193)	2:34:B:LEU:HD23	2:37:B:LEU:HA	17	0.19
(1,6182)	2:34:A:LEU:HD23	2:59:A:MET:HB2	16	0.19
(1,6176)	2:34:A:LEU:HD12	2:33:A:GLU:HB2	7	0.19
(1,6176)	2:34:A:LEU:HD12	2:33:A:GLU:HB2	15	0.19
(1,6175)	2:34:A:LEU:HD11	2:78:A:PHE:HB3	10	0.19
(1,6157)	2:36:A:GLU:HG2	2:40:A:ARG:HD3	6	0.19
(1,6108)	2:38:B:LEU:HD11	2:34:B:LEU:HD22	2	0.19
(1,6102)	2:38:B:LEU:HD12	2:42:B:LEU:HB3	14	0.19
(1,6099)	2:38:B:LEU:HD22	2:39:B:THR:HA	17	0.19
(1,6099)	2:38:B:LEU:HD21	2:39:B:THR:HA	18	0.19
(1,6092)	2:38:A:LEU:HD21	2:42:A:LEU:HG	2	0.19
(1,6087)	2:38:A:LEU:HD21	2:39:A:THR:HA	18	0.19
(1,6038)	2:42:A:LEU:HD13	2:6:B:GLU:HA	14	0.19
(1,6022)	2:46:B:LEU:HD23	1:1928:C:PHE:HD1	15	0.19
(1,5962)	2:58:A:LEU:HD12	2:61:A:ASN:HA	9	0.19
(1,5956)	2:59:B:MET:HE1	2:34:B:LEU:HD12	3	0.19
(1,5925)	2:62:B:LEU:HD13	2:58:B:LEU:HG	4	0.19
(1,5925)	2:62:B:LEU:HD13	2:58:B:LEU:HG	7	0.19
(1,5919)	2:62:B:LEU:HD13	2:34:B:LEU:HD23	12	0.19
(1,5845)	2:76:A:CYS:HA	2:73:A:GLN:HA	7	0.19
(1,5845)	2:76:A:CYS:HA	2:73:A:GLN:HA	20	0.19
(1,5842)	2:77:B:VAL:HG22	2:77:B:VAL:HG13	9	0.19
(1,5842)	2:77:B:VAL:HG22	2:77:B:VAL:HG11	20	0.19
(1,5834)	2:77:B:VAL:HG11	1:1910:C:MET:HA	13	0.19
(1,5809)	2:79:A:LEU:HD13	2:13:A:VAL:H	12	0.19
(1,5804)	2:79:A:LEU:HD22	2:12:B:MET:HE2	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5791)	2:82:B:ILE:HD13	2:58:B:LEU:HD11	8	0.19
(1,5791)	2:82:B:ILE:HD12	2:58:B:LEU:HD13	17	0.19
(1,5788)	2:82:B:ILE:HG22	2:42:B:LEU:HD23	10	0.19
(1,5783)	2:82:A:ILE:HD11	2:79:A:LEU:H	2	0.19
(1,5781)	2:82:A:ILE:HD11	2:42:A:LEU:HB2	6	0.19
(1,5781)	2:82:A:ILE:HD11	2:42:A:LEU:HB2	10	0.19
(1,5766)	2:83:A:ALA:HB1	2:84:A:MET:HA	5	0.19
(1,5761)	2:83:A:ALA:HB2	2:80:A:SER:H	12	0.19
(1,5755)	2:84:B:MET:HE1	2:76:A:CYS:HB3	10	0.19
(1,5684)	1:1900:C:LEU:HD21	2:82:A:ILE:HD13	8	0.19
(1,5684)	1:1900:C:LEU:HD22	2:82:A:ILE:HD13	8	0.19
(1,5684)	1:1900:C:LEU:HD23	2:82:A:ILE:HD13	8	0.19
(1,5684)	1:1900:C:LEU:HD21	2:82:A:ILE:HD13	16	0.19
(1,5684)	1:1900:C:LEU:HD22	2:82:A:ILE:HD13	16	0.19
(1,5684)	1:1900:C:LEU:HD23	2:82:A:ILE:HD13	16	0.19
(1,5657)	1:1900:C:LEU:HD11	2:46:A:LEU:HA	8	0.19
(1,5654)	1:1900:C:LEU:HD21	2:78:A:PHE:HE1	14	0.19
(1,5654)	1:1900:C:LEU:HD21	2:78:A:PHE:HE2	14	0.19
(1,5654)	1:1900:C:LEU:HD22	2:78:A:PHE:HE1	14	0.19
(1,5654)	1:1900:C:LEU:HD22	2:78:A:PHE:HE2	14	0.19
(1,5654)	1:1900:C:LEU:HD23	2:78:A:PHE:HE1	14	0.19
(1,5654)	1:1900:C:LEU:HD23	2:78:A:PHE:HE2	14	0.19
(1,5652)	1:1900:C:LEU:HD21	2:59:A:MET:H	15	0.19
(1,5652)	1:1900:C:LEU:HD22	2:59:A:MET:H	15	0.19
(1,5652)	1:1900:C:LEU:HD23	2:59:A:MET:H	15	0.19
(1,5639)	1:1901:C:GLU:HB2	1:1905:C:GLU:HB2	11	0.19
(1,5621)	1:1903:C:ALA:HB1	1:1899:C:GLU:HG3	7	0.19
(1,5621)	1:1903:C:ALA:HB2	1:1899:C:GLU:HG3	7	0.19
(1,5621)	1:1903:C:ALA:HB3	1:1899:C:GLU:HG3	7	0.19
(1,5621)	1:1903:C:ALA:HB1	1:1899:C:GLU:HG3	12	0.19
(1,5621)	1:1903:C:ALA:HB2	1:1899:C:GLU:HG3	12	0.19
(1,5621)	1:1903:C:ALA:HB3	1:1899:C:GLU:HG3	12	0.19
(1,5621)	1:1903:C:ALA:HB1	1:1899:C:GLU:HG3	17	0.19
(1,5621)	1:1903:C:ALA:HB2	1:1899:C:GLU:HG3	17	0.19
(1,5621)	1:1903:C:ALA:HB3	1:1899:C:GLU:HG3	17	0.19
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG21	14	0.19
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG22	14	0.19
(1,5462)	1:1911:C:ASN:HB3	1:1914:C:VAL:HG23	14	0.19
(1,5347)	1:1917:C:LEU:HD21	2:78:B:PHE:HA	12	0.19
(1,5347)	1:1917:C:LEU:HD22	2:78:B:PHE:HA	12	0.19
(1,5347)	1:1917:C:LEU:HD23	2:78:B:PHE:HA	12	0.19
(1,5191)	1:1929:C:VAL:HG11	1:1931:C:PRO:HD3	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5191)	1:1929:C:VAL:HG12	1:1931:C:PRO:HD3	20	0.19
(1,5191)	1:1929:C:VAL:HG13	1:1931:C:PRO:HD3	20	0.19
(1,5169)	1:1929:C:VAL:HG11	2:48:B:LYS:H	7	0.19
(1,5169)	1:1929:C:VAL:HG12	2:48:B:LYS:H	7	0.19
(1,5169)	1:1929:C:VAL:HG13	2:48:B:LYS:H	7	0.19
(1,5115)	1:1934:C:MET:HE1	1:1933:C:ARG:HA	11	0.19
(1,5115)	1:1934:C:MET:HE2	1:1933:C:ARG:HA	11	0.19
(1,5115)	1:1934:C:MET:HE3	1:1933:C:ARG:HA	11	0.19
(1,5098)	1:1935:C:ALA:HB1	1:1933:C:ARG:HD3	9	0.19
(1,5098)	1:1935:C:ALA:HB2	1:1933:C:ARG:HD3	9	0.19
(1,5098)	1:1935:C:ALA:HB3	1:1933:C:ARG:HD3	9	0.19
(1,5089)	1:1898:C:ARG:H	1:1898:C:ARG:HB3	20	0.19
(1,5081)	1:1899:C:GLU:H	2:45:A:PHE:HB3	10	0.19
(1,5079)	1:1899:C:GLU:H	1:1898:C:ARG:HA	6	0.19
(1,4899)	1:1919:C:ASN:H	1:1922:C:ARG:HB3	15	0.19
(1,4882)	1:1920:C:LYS:H	1:1923:C:ARG:HB3	8	0.19
(1,4882)	1:1920:C:LYS:H	1:1923:C:ARG:HB3	13	0.19
(1,4879)	1:1920:C:LYS:H	1:1926:C:LEU:HG	15	0.19
(1,4717)	1:1898:C:ARG:H	1:1898:C:ARG:HB2	9	0.19
(1,4599)	1:1917:C:LEU:HD21	1:1914:C:VAL:HA	8	0.19
(1,4599)	1:1917:C:LEU:HD22	1:1914:C:VAL:HA	8	0.19
(1,4599)	1:1917:C:LEU:HD23	1:1914:C:VAL:HA	8	0.19
(1,4593)	1:1914:C:VAL:H	1:1915:C:SER:HB2	6	0.19
(1,4589)	1:1918:C:LYS:HD2	1:1915:C:SER:HB2	10	0.19
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD11	1	0.19
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD12	1	0.19
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD13	1	0.19
(1,4412)	2:38:B:LEU:HD22	1:1928:C:PHE:HD2	12	0.19
(1,4390)	1:1928:C:PHE:HZ	1:1929:C:VAL:HG11	16	0.19
(1,4390)	1:1928:C:PHE:HZ	1:1929:C:VAL:HG12	16	0.19
(1,4390)	1:1928:C:PHE:HZ	1:1929:C:VAL:HG13	16	0.19
(1,4163)	2:54:A:ALA:HB1	1:1897:C:GLN:HA	5	0.19
(1,4149)	2:61:B:ASN:HA	1:1921:C:LEU:HD11	1	0.19
(1,4149)	2:61:B:ASN:HA	1:1921:C:LEU:HD12	1	0.19
(1,4149)	2:61:B:ASN:HA	1:1921:C:LEU:HD13	1	0.19
(1,4121)	2:77:B:VAL:HG11	1:1913:C:GLU:H	20	0.19
(1,4055)	2:85:B:MET:HE2	1:1918:C:LYS:HG2	17	0.19
(1,4046)	2:85:A:MET:HE2	1:1899:C:GLU:HB3	9	0.19
(1,4046)	2:85:A:MET:HE2	1:1899:C:GLU:HB3	17	0.19
(1,4046)	2:85:A:MET:HE2	1:1899:C:GLU:HB3	18	0.19
(1,3882)	2:19:A:TYR:HE1	2:36:A:GLU:HG2	11	0.19
(1,3882)	2:19:A:TYR:HE2	2:36:A:GLU:HG2	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3820)	2:78:A:PHE:H	2:78:A:PHE:HE1	3	0.19
(1,3820)	2:78:A:PHE:H	2:78:A:PHE:HE2	3	0.19
(1,3820)	2:78:A:PHE:H	2:78:A:PHE:HE1	5	0.19
(1,3820)	2:78:A:PHE:H	2:78:A:PHE:HE2	5	0.19
(1,3820)	2:78:A:PHE:H	2:78:A:PHE:HE1	7	0.19
(1,3820)	2:78:A:PHE:H	2:78:A:PHE:HE2	7	0.19
(1,3820)	2:78:A:PHE:H	2:78:A:PHE:HE1	8	0.19
(1,3820)	2:78:A:PHE:H	2:78:A:PHE:HE2	8	0.19
(1,3820)	2:78:A:PHE:H	2:78:A:PHE:HE1	9	0.19
(1,3820)	2:78:A:PHE:H	2:78:A:PHE:HE2	9	0.19
(1,3761)	2:96:B:LYS:H	2:96:B:LYS:HB3	8	0.19
(1,3252)	2:2:B:ALA:H	2:4:B:PRO:HG3	2	0.19
(1,3252)	2:2:B:ALA:H	2:4:B:PRO:HG3	16	0.19
(1,3224)	2:93:A:PHE:H	2:93:A:PHE:HB3	3	0.19
(1,3224)	2:93:A:PHE:H	2:93:A:PHE:HB3	19	0.19
(1,3163)	2:86:A:CYS:H	2:9:B:LEU:HB2	19	0.19
(1,3075)	2:74:A:GLU:H	2:70:A:VAL:HB	2	0.19
(1,2993)	2:62:A:LEU:H	2:60:A:SER:HB3	11	0.19
(1,2988)	2:61:A:ASN:H	2:62:A:LEU:HD22	4	0.19
(1,2988)	2:61:A:ASN:H	2:62:A:LEU:HD22	15	0.19
(1,2904)	2:51:A:ASP:H	2:46:A:LEU:HB3	9	0.19
(1,2904)	2:51:A:ASP:H	2:46:A:LEU:HB3	11	0.19
(1,2904)	2:51:A:ASP:H	2:46:A:LEU:HB3	13	0.19
(1,2904)	2:51:A:ASP:H	2:46:A:LEU:HB3	14	0.19
(1,2728)	2:21:B:GLY:H	2:26:B:LYS:HD2	3	0.19
(1,2546)	2:5:A:LEU:HD21	2:12:B:MET:HG3	15	0.19
(1,2522)	2:5:B:LEU:HD21	2:9:B:LEU:H	15	0.19
(1,2514)	2:5:B:LEU:HD21	2:8:B:ALA:HB3	14	0.19
(1,2498)	2:5:B:LEU:HD12	2:75:A:TYR:HE1	11	0.19
(1,2498)	2:5:B:LEU:HD12	2:75:A:TYR:HE2	11	0.19
(1,2498)	2:5:B:LEU:HD12	2:75:A:TYR:HE1	14	0.19
(1,2498)	2:5:B:LEU:HD12	2:75:A:TYR:HE2	14	0.19
(1,2498)	2:5:B:LEU:HD11	2:75:A:TYR:HE1	15	0.19
(1,2498)	2:5:B:LEU:HD11	2:75:A:TYR:HE2	15	0.19
(1,2498)	2:5:B:LEU:HD11	2:75:A:TYR:HE1	17	0.19
(1,2498)	2:5:B:LEU:HD11	2:75:A:TYR:HE2	17	0.19
(1,2498)	2:5:B:LEU:HD11	2:75:A:TYR:HE1	19	0.19
(1,2498)	2:5:B:LEU:HD11	2:75:A:TYR:HE2	19	0.19
(1,2383)	2:9:B:LEU:HD12	2:82:A:ILE:HG13	18	0.19
(1,2377)	2:9:B:LEU:HD11	2:82:A:ILE:HG22	7	0.19
(1,2333)	2:11:A:VAL:HG12	2:11:A:VAL:HA	3	0.19
(1,2333)	2:11:A:VAL:HG11	2:11:A:VAL:HA	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2333)	2:11:A:VAL:HG12	2:11:A:VAL:HA	10	0.19
(1,2333)	2:11:A:VAL:HG13	2:11:A:VAL:HA	11	0.19
(1,2333)	2:11:A:VAL:HG11	2:11:A:VAL:HA	14	0.19
(1,2333)	2:11:A:VAL:HG11	2:11:A:VAL:HA	17	0.19
(1,2333)	2:11:A:VAL:HG11	2:11:A:VAL:HA	19	0.19
(1,2277)	2:12:B:MET:HE1	2:75:B:TYR:HE1	6	0.19
(1,2277)	2:12:B:MET:HE1	2:75:B:TYR:HE2	6	0.19
(1,2268)	2:12:B:MET:HE1	2:12:B:MET:HG2	7	0.19
(1,2258)	2:12:B:MET:HG3	2:5:A:LEU:HD21	20	0.19
(1,2224)	2:13:B:VAL:HG12	2:10:B:ASP:HA	8	0.19
(1,2134)	2:18:B:LYS:HE2	2:18:B:LYS:HG2	9	0.19
(1,2010)	2:29:B:LEU:HD13	2:34:B:LEU:H	3	0.19
(1,1961)	2:34:B:LEU:HD22	2:62:B:LEU:HD11	15	0.19
(1,1960)	2:34:B:LEU:HD21	2:29:B:LEU:HD11	1	0.19
(1,1930)	2:34:B:LEU:HD12	2:59:B:MET:HG3	9	0.19
(1,1845)	2:35:A:LYS:HD3	2:32:A:SER:HA	18	0.19
(1,1792)	2:36:A:GLU:HB3	2:33:A:GLU:HA	19	0.19
(1,1771)	2:37:A:LEU:HD13	2:16:A:PHE:HA	14	0.19
(1,1752)	2:38:B:LEU:HD13	1:1928:C:PHE:HZ	20	0.19
(1,1602)	2:42:B:LEU:HD11	2:6:A:GLU:HA	18	0.19
(1,1597)	2:42:B:LEU:HD11	2:43:B:PRO:HD3	5	0.19
(1,1597)	2:42:B:LEU:HD11	2:43:B:PRO:HD3	13	0.19
(1,1592)	2:35:B:LYS:HG2	2:36:B:GLU:HG2	8	0.19
(1,1591)	2:42:B:LEU:HD11	2:6:A:GLU:HB2	10	0.19
(1,1582)	2:42:B:LEU:HD12	2:82:B:ILE:HG21	9	0.19
(1,1555)	2:42:A:LEU:HD11	2:43:A:PRO:HD3	4	0.19
(1,1550)	2:42:A:LEU:HD11	2:42:A:LEU:HG	2	0.19
(1,1548)	2:42:A:LEU:HD12	2:37:A:LEU:HB3	20	0.19
(1,1544)	2:42:A:LEU:HD12	2:82:A:ILE:HG22	9	0.19
(1,1504)	2:46:B:LEU:HD23	2:46:B:LEU:HG	15	0.19
(1,1465)	2:46:A:LEU:HD23	2:55:A:PHE:HE1	6	0.19
(1,1460)	2:46:A:LEU:HD22	2:47:A:GLY:H	13	0.19
(1,1459)	2:46:A:LEU:HD12	2:47:A:GLY:H	1	0.19
(1,1326)	2:53:B:ALA:HA	2:56:B:GLN:HB3	6	0.19
(1,1326)	2:53:B:ALA:HA	2:56:B:GLN:HB3	9	0.19
(1,1291)	2:54:A:ALA:HB2	1:1897:C:GLN:HG3	19	0.19
(1,1283)	2:54:A:ALA:HB1	1:1897:C:GLN:HE22	17	0.19
(1,1270)	2:56:B:GLN:HB2	2:57:B:LYS:HB2	13	0.19
(1,1201)	2:58:B:LEU:HD11	1:1928:C:PHE:HZ	1	0.19
(1,1098)	2:59:B:MET:HE1	2:62:B:LEU:H	17	0.19
(1,1080)	2:59:B:MET:HE2	2:59:B:MET:HG2	3	0.19
(1,1080)	2:59:B:MET:HE2	2:59:B:MET:HG2	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1077)	2:59:B:MET:HE1	2:31:B:LYS:HG2	7	0.19
(1,1070)	2:59:B:MET:HE1	2:62:B:LEU:HD22	10	0.19
(1,1045)	2:59:A:MET:HE1	2:31:A:LYS:H	1	0.19
(1,1045)	2:59:A:MET:HE2	2:31:A:LYS:H	2	0.19
(1,1045)	2:59:A:MET:HE3	2:31:A:LYS:H	16	0.19
(1,1045)	2:59:A:MET:HE1	2:31:A:LYS:H	19	0.19
(1,1041)	2:59:A:MET:HE2	2:55:A:PHE:HD2	16	0.19
(1,1037)	2:59:A:MET:HE2	2:68:A:ASN:HA	18	0.19
(1,1036)	2:59:A:MET:HE2	2:59:A:MET:HA	12	0.19
(1,1034)	2:59:A:MET:HE3	2:68:A:ASN:HB3	10	0.19
(1,1030)	2:59:A:MET:HE3	2:70:A:VAL:HG13	18	0.19
(1,942)	2:62:B:LEU:HD21	2:74:B:GLU:HG3	10	0.19
(1,819)	2:68:B:ASN:HA	2:68:B:ASN:HB3	2	0.19
(1,819)	2:68:B:ASN:HA	2:68:B:ASN:HB3	11	0.19
(1,781)	2:70:B:VAL:HG23	2:62:B:LEU:HD21	5	0.19
(1,777)	2:70:B:VAL:HG21	2:62:B:LEU:HB2	8	0.19
(1,751)	2:70:B:VAL:HG21	2:29:B:LEU:H	3	0.19
(1,611)	2:77:B:VAL:HG11	2:77:B:VAL:HB	4	0.19
(1,611)	2:77:B:VAL:HG12	2:77:B:VAL:HB	7	0.19
(1,611)	2:77:B:VAL:HG12	2:77:B:VAL:HB	12	0.19
(1,590)	2:77:B:VAL:HG11	1:1913:C:GLU:H	20	0.19
(1,531)	2:79:B:LEU:HD21	2:79:B:LEU:HA	4	0.19
(1,531)	2:79:B:LEU:HD21	2:79:B:LEU:HA	6	0.19
(1,531)	2:79:B:LEU:HD21	2:79:B:LEU:HA	11	0.19
(1,518)	2:79:B:LEU:HD12	2:5:A:LEU:HD11	15	0.19
(1,377)	2:82:B:ILE:HD12	2:38:B:LEU:HD22	20	0.19
(1,359)	2:82:B:ILE:HD11	1:1928:C:PHE:HD1	1	0.19
(1,359)	2:82:B:ILE:HD11	1:1928:C:PHE:HD2	1	0.19
(1,359)	2:82:B:ILE:HD11	1:1928:C:PHE:HD1	5	0.19
(1,359)	2:82:B:ILE:HD11	1:1928:C:PHE:HD2	5	0.19
(1,353)	2:82:B:ILE:HG21	1:1928:C:PHE:HZ	10	0.19
(1,315)	2:82:A:ILE:HD13	2:42:A:LEU:HD22	11	0.19
(1,309)	2:82:A:ILE:HG23	2:83:A:ALA:HB1	8	0.19
(1,276)	2:83:A:ALA:HB1	2:82:A:ILE:HG23	8	0.19
(1,235)	2:84:B:MET:HA	2:72:A:PHE:HE1	6	0.19
(1,235)	2:84:B:MET:HA	2:72:A:PHE:HE2	6	0.19
(1,235)	2:84:B:MET:HA	2:72:A:PHE:HE1	10	0.19
(1,235)	2:84:B:MET:HA	2:72:A:PHE:HE2	10	0.19
(1,209)	2:84:A:MET:HE1	2:73:B:GLN:HA	6	0.19
(1,209)	2:84:A:MET:HE1	2:73:B:GLN:HA	7	0.19
(1,176)	2:85:B:MET:HE1	1:1928:C:PHE:H	9	0.19
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG21	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG22	10	0.19
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG23	10	0.19
(1,145)	2:85:A:MET:HE3	2:82:A:ILE:HA	2	0.19
(1,144)	2:85:A:MET:HE2	2:85:A:MET:HG2	7	0.19
(1,128)	2:85:A:MET:HE1	2:45:A:PHE:H	20	0.19
(2,49)	1:1935:C:ALA:HB1	1:1932:C:ARG:HA	9	0.18
(2,49)	1:1935:C:ALA:HB2	1:1932:C:ARG:HA	9	0.18
(2,49)	1:1935:C:ALA:HB3	1:1932:C:ARG:HA	9	0.18
(2,46)	1:1916:C:SER:H	1:1912:C:ARG:HB2	9	0.18
(2,46)	1:1916:C:SER:H	1:1912:C:ARG:HB2	18	0.18
(2,45)	1:1918:C:LYS:H	1:1916:C:SER:HB2	4	0.18
(2,45)	1:1918:C:LYS:H	1:1916:C:SER:HB2	14	0.18
(2,18)	2:28:A:LYS:HD3	2:20:A:SER:HB2	14	0.18
(2,15)	2:35:A:LYS:HE3	2:50:A:THR:HB	20	0.18
(2,1)	2:91:B:GLU:HA	2:27:A:PHE:HD1	6	0.18
(2,1)	2:91:B:GLU:HA	2:27:A:PHE:HD2	6	0.18
(2,1)	2:91:B:GLU:HA	2:27:A:PHE:HD1	18	0.18
(2,1)	2:91:B:GLU:HA	2:27:A:PHE:HD2	18	0.18
(1,6921)	2:59:B:MET:H	2:58:B:LEU:HD22	8	0.18
(1,6903)	2:50:B:THR:H	2:54:B:ALA:HB3	1	0.18
(1,6885)	2:38:B:LEU:H	2:37:B:LEU:HD13	9	0.18
(1,6828)	2:75:A:TYR:H	2:29:A:LEU:HD12	9	0.18
(1,6815)	2:62:A:LEU:H	1:1908:C:ASP:H	6	0.18
(1,6815)	2:62:A:LEU:H	1:1908:C:ASP:H	18	0.18
(1,6811)	2:61:A:ASN:H	2:57:A:LYS:HD2	18	0.18
(1,6797)	2:47:A:GLY:H	2:46:A:LEU:HA	20	0.18
(1,6777)	2:34:A:LEU:H	2:59:A:MET:HE3	1	0.18
(1,6777)	2:34:A:LEU:H	2:59:A:MET:HE3	9	0.18
(1,6771)	2:28:A:LYS:H	2:17:A:HIS:HA	17	0.18
(1,6564)	2:7:A:LYS:HB3	2:6:A:GLU:H	2	0.18
(1,6564)	2:7:A:LYS:HB3	2:6:A:GLU:H	4	0.18
(1,6554)	2:8:B:ALA:HB1	2:8:A:ALA:HA	18	0.18
(1,6540)	2:8:B:ALA:HB3	2:12:A:MET:HG2	8	0.18
(1,6533)	2:8:B:ALA:HA	2:11:B:VAL:HG13	1	0.18
(1,6489)	2:11:A:VAL:HG11	2:8:A:ALA:H	18	0.18
(1,6472)	2:11:A:VAL:HA	2:8:B:ALA:HB1	6	0.18
(1,6472)	2:11:A:VAL:HA	2:8:B:ALA:HB1	11	0.18
(1,6458)	2:12:A:MET:HE3	2:75:A:TYR:HD1	2	0.18
(1,6436)	2:12:B:MET:HE2	2:9:B:LEU:HD12	20	0.18
(1,6402)	2:15:A:THR:HG22	2:37:A:LEU:H	7	0.18
(1,6304)	2:26:B:LYS:HD3	2:21:B:GLY:HA3	2	0.18
(1,6289)	2:26:A:LYS:HB3	2:26:A:LYS:HG2	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6243)	2:29:B:LEU:HD11	2:34:B:LEU:HD21	5	0.18
(1,6243)	2:29:B:LEU:HD11	2:34:B:LEU:HD21	11	0.18
(1,6216)	2:31:A:LYS:HD3	2:59:A:MET:HG2	18	0.18
(1,6157)	2:36:A:GLU:HG2	2:40:A:ARG:HD3	13	0.18
(1,6136)	2:37:A:LEU:HD11	2:36:A:GLU:HB3	14	0.18
(1,6134)	2:37:B:LEU:HD13	2:19:B:TYR:HB3	4	0.18
(1,6094)	2:38:A:LEU:HD23	2:58:A:LEU:HD23	6	0.18
(1,6093)	2:38:A:LEU:HD23	2:58:A:LEU:HG	17	0.18
(1,6092)	2:38:A:LEU:HD23	2:42:A:LEU:HG	10	0.18
(1,6091)	2:38:A:LEU:HD13	2:34:A:LEU:HG	14	0.18
(1,6087)	2:38:A:LEU:HD22	2:39:A:THR:HA	17	0.18
(1,6022)	2:46:B:LEU:HD22	1:1928:C:PHE:HD1	20	0.18
(1,6005)	2:50:B:THR:HG23	2:46:B:LEU:HB2	14	0.18
(1,5981)	2:56:B:GLN:HG3	2:57:B:LYS:HD3	19	0.18
(1,5934)	2:55:B:PHE:HA	2:56:B:GLN:HG2	5	0.18
(1,5925)	2:62:B:LEU:HD13	2:58:B:LEU:HG	15	0.18
(1,5895)	2:62:A:LEU:HD21	2:58:A:LEU:HG	6	0.18
(1,5842)	2:77:B:VAL:HG22	2:77:B:VAL:HG13	10	0.18
(1,5834)	2:77:B:VAL:HG13	2:62:B:LEU:HA	19	0.18
(1,5815)	2:79:B:LEU:HD21	2:9:A:LEU:HD21	15	0.18
(1,5784)	2:82:B:ILE:HG23	1:1929:C:VAL:H	5	0.18
(1,5775)	2:83:A:ALA:HB1	2:9:B:LEU:HD22	19	0.18
(1,5766)	2:83:A:ALA:HB1	2:84:A:MET:HA	1	0.18
(1,5765)	2:83:B:ALA:HB3	2:72:A:PHE:HZ	2	0.18
(1,5761)	2:83:A:ALA:HB1	2:80:A:SER:H	9	0.18
(1,5745)	2:85:B:MET:HE3	2:45:B:PHE:HB2	18	0.18
(1,5660)	1:1900:C:LEU:HD21	2:50:A:THR:HB	15	0.18
(1,5660)	1:1900:C:LEU:HD22	2:50:A:THR:HB	15	0.18
(1,5660)	1:1900:C:LEU:HD23	2:50:A:THR:HB	15	0.18
(1,5652)	1:1900:C:LEU:HD21	2:59:A:MET:H	4	0.18
(1,5652)	1:1900:C:LEU:HD22	2:59:A:MET:H	4	0.18
(1,5652)	1:1900:C:LEU:HD23	2:59:A:MET:H	4	0.18
(1,5652)	1:1900:C:LEU:HD21	2:59:A:MET:H	6	0.18
(1,5652)	1:1900:C:LEU:HD22	2:59:A:MET:H	6	0.18
(1,5652)	1:1900:C:LEU:HD23	2:59:A:MET:H	6	0.18
(1,5650)	1:1900:C:LEU:HD11	2:59:A:MET:H	2	0.18
(1,5650)	1:1900:C:LEU:HD12	2:59:A:MET:H	2	0.18
(1,5650)	1:1900:C:LEU:HD13	2:59:A:MET:H	2	0.18
(1,5650)	1:1900:C:LEU:HD11	2:59:A:MET:H	6	0.18
(1,5650)	1:1900:C:LEU:HD12	2:59:A:MET:H	6	0.18
(1,5650)	1:1900:C:LEU:HD13	2:59:A:MET:H	6	0.18
(1,5650)	1:1900:C:LEU:HD11	2:59:A:MET:H	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5650)	1:1900:C:LEU:HD12	2:59:A:MET:H	9	0.18
(1,5650)	1:1900:C:LEU:HD13	2:59:A:MET:H	9	0.18
(1,5650)	1:1900:C:LEU:HD11	2:59:A:MET:H	20	0.18
(1,5650)	1:1900:C:LEU:HD12	2:59:A:MET:H	20	0.18
(1,5650)	1:1900:C:LEU:HD13	2:59:A:MET:H	20	0.18
(1,5621)	1:1903:C:ALA:HB1	1:1899:C:GLU:HG3	1	0.18
(1,5621)	1:1903:C:ALA:HB2	1:1899:C:GLU:HG3	1	0.18
(1,5621)	1:1903:C:ALA:HB3	1:1899:C:GLU:HG3	1	0.18
(1,5621)	1:1903:C:ALA:HB1	1:1899:C:GLU:HG3	9	0.18
(1,5621)	1:1903:C:ALA:HB2	1:1899:C:GLU:HG3	9	0.18
(1,5621)	1:1903:C:ALA:HB3	1:1899:C:GLU:HG3	9	0.18
(1,5391)	1:1914:C:VAL:HG12	2:77:B:VAL:HB	19	0.18
(1,5347)	1:1917:C:LEU:HD21	2:78:B:PHE:HA	18	0.18
(1,5347)	1:1917:C:LEU:HD22	2:78:B:PHE:HA	18	0.18
(1,5347)	1:1917:C:LEU:HD23	2:78:B:PHE:HA	18	0.18
(1,5323)	1:1918:C:LYS:HB3	1:1917:C:LEU:HA	18	0.18
(1,5178)	1:1929:C:VAL:HG11	2:45:B:PHE:HA	13	0.18
(1,5178)	1:1929:C:VAL:HG12	2:45:B:PHE:HA	13	0.18
(1,5178)	1:1929:C:VAL:HG13	2:45:B:PHE:HA	13	0.18
(1,5169)	1:1929:C:VAL:HG11	2:48:B:LYS:H	9	0.18
(1,5169)	1:1929:C:VAL:HG12	2:48:B:LYS:H	9	0.18
(1,5169)	1:1929:C:VAL:HG13	2:48:B:LYS:H	9	0.18
(1,5162)	1:1930:C:VAL:HG21	2:90:B:PHE:HB3	1	0.18
(1,5162)	1:1930:C:VAL:HG22	2:90:B:PHE:HB3	1	0.18
(1,5162)	1:1930:C:VAL:HG23	2:90:B:PHE:HB3	1	0.18
(1,5138)	1:1930:C:VAL:HG11	2:90:B:PHE:HB2	4	0.18
(1,5138)	1:1930:C:VAL:HG12	2:90:B:PHE:HB2	4	0.18
(1,5138)	1:1930:C:VAL:HG13	2:90:B:PHE:HB2	4	0.18
(1,4879)	1:1920:C:LYS:H	1:1926:C:LEU:HG	9	0.18
(1,4879)	1:1920:C:LYS:H	1:1926:C:LEU:HG	17	0.18
(1,4825)	1:1929:C:VAL:H	1:1929:C:VAL:HG21	5	0.18
(1,4825)	1:1929:C:VAL:H	1:1929:C:VAL:HG22	5	0.18
(1,4825)	1:1929:C:VAL:H	1:1929:C:VAL:HG23	5	0.18
(1,4620)	1:1913:C:GLU:HG3	1:1914:C:VAL:HG22	6	0.18
(1,4588)	2:57:A:LYS:HD3	1:1905:C:GLU:HA	8	0.18
(1,4551)	1:1921:C:LEU:HD11	1:1918:C:LYS:HA	10	0.18
(1,4551)	1:1921:C:LEU:HD12	1:1918:C:LYS:HA	10	0.18
(1,4551)	1:1921:C:LEU:HD13	1:1918:C:LYS:HA	10	0.18
(1,4484)	2:57:B:LYS:HD3	1:1924:C:GLY:H	2	0.18
(1,4422)	1:1921:C:LEU:HD22	1:1928:C:PHE:HZ	14	0.18
(1,4203)	1:1929:C:VAL:H	1:1929:C:VAL:HG21	5	0.18
(1,4203)	1:1929:C:VAL:H	1:1929:C:VAL:HG22	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4203)	1:1929:C:VAL:H	1:1929:C:VAL:HG23	5	0.18
(1,4191)	2:50:B:THR:HA	1:1928:C:PHE:HD2	6	0.18
(1,4191)	2:50:B:THR:HA	1:1928:C:PHE:HD2	11	0.18
(1,4179)	2:46:A:LEU:HD23	1:1900:C:LEU:HG	5	0.18
(1,4178)	2:46:A:LEU:HD23	1:1897:C:GLN:HG2	10	0.18
(1,4046)	2:85:A:MET:HE2	1:1899:C:GLU:HB3	20	0.18
(1,4027)	2:82:B:ILE:HG21	1:1929:C:VAL:HG11	10	0.18
(1,4027)	2:82:B:ILE:HG21	1:1929:C:VAL:HG12	10	0.18
(1,4027)	2:82:B:ILE:HG21	1:1929:C:VAL:HG13	10	0.18
(1,3933)	2:77:A:VAL:HG21	1:1907:C:ALA:HA	18	0.18
(1,3879)	2:72:B:PHE:HE1	2:75:B:TYR:HE1	10	0.18
(1,3879)	2:72:B:PHE:HE1	2:75:B:TYR:HE2	10	0.18
(1,3879)	2:72:B:PHE:HE2	2:75:B:TYR:HE1	10	0.18
(1,3879)	2:72:B:PHE:HE2	2:75:B:TYR:HE2	10	0.18
(1,3820)	2:78:A:PHE:H	2:78:A:PHE:HE1	11	0.18
(1,3820)	2:78:A:PHE:H	2:78:A:PHE:HE2	11	0.18
(1,3820)	2:78:A:PHE:H	2:78:A:PHE:HE1	12	0.18
(1,3820)	2:78:A:PHE:H	2:78:A:PHE:HE2	12	0.18
(1,3820)	2:78:A:PHE:H	2:78:A:PHE:HE1	16	0.18
(1,3820)	2:78:A:PHE:H	2:78:A:PHE:HE2	16	0.18
(1,3252)	2:2:B:ALA:H	2:4:B:PRO:HG3	15	0.18
(1,3252)	2:2:B:ALA:H	2:4:B:PRO:HG3	18	0.18
(1,3224)	2:93:A:PHE:H	2:93:A:PHE:HB3	13	0.18
(1,3163)	2:86:A:CYS:H	2:9:B:LEU:HB2	18	0.18
(1,2988)	2:61:A:ASN:H	2:62:A:LEU:HD22	16	0.18
(1,2904)	2:51:A:ASP:H	2:46:A:LEU:HB3	17	0.18
(1,2904)	2:51:A:ASP:H	2:46:A:LEU:HB3	18	0.18
(1,2887)	2:49:A:ARG:H	2:49:A:ARG:HB3	1	0.18
(1,2884)	2:49:A:ARG:H	1:1897:C:GLN:HE22	15	0.18
(1,2756)	2:28:A:LYS:H	2:28:A:LYS:HG2	10	0.18
(1,2565)	2:2:B:ALA:HB2	2:4:B:PRO:HD3	2	0.18
(1,2554)	2:5:A:LEU:HD23	2:9:A:LEU:HD13	9	0.18
(1,2552)	2:5:A:LEU:HD22	2:79:B:LEU:HD22	3	0.18
(1,2552)	2:5:A:LEU:HD23	2:79:B:LEU:HD22	6	0.18
(1,2498)	2:5:B:LEU:HD11	2:75:A:TYR:HE1	18	0.18
(1,2498)	2:5:B:LEU:HD11	2:75:A:TYR:HE2	18	0.18
(1,2495)	2:5:B:LEU:HD13	2:6:B:GLU:HA	13	0.18
(1,2333)	2:11:A:VAL:HG12	2:11:A:VAL:HA	2	0.18
(1,2333)	2:11:A:VAL:HG11	2:11:A:VAL:HA	4	0.18
(1,2333)	2:11:A:VAL:HG13	2:11:A:VAL:HA	6	0.18
(1,2333)	2:11:A:VAL:HG12	2:11:A:VAL:HA	12	0.18
(1,2313)	2:12:A:MET:HE1	2:9:B:LEU:H	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2311)	2:12:A:MET:HE1	2:12:A:MET:HA	13	0.18
(1,2301)	2:12:A:MET:HE1	2:79:B:LEU:HD21	4	0.18
(1,2300)	2:12:A:MET:HE3	2:79:A:LEU:HD13	11	0.18
(1,2225)	2:13:A:VAL:HG13	2:16:A:PHE:HB2	19	0.18
(1,2224)	2:13:B:VAL:HG12	2:10:B:ASP:HA	14	0.18
(1,2220)	2:13:A:VAL:HG12	2:83:B:ALA:HB3	17	0.18
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD1	2	0.18
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD2	2	0.18
(1,2045)	2:28:A:LYS:HA	2:75:A:TYR:HD1	8	0.18
(1,2045)	2:28:A:LYS:HA	2:75:A:TYR:HD2	8	0.18
(1,2045)	2:28:A:LYS:HA	2:75:A:TYR:HD1	11	0.18
(1,2045)	2:28:A:LYS:HA	2:75:A:TYR:HD2	11	0.18
(1,2015)	2:29:B:LEU:HD13	2:27:B:PHE:HD1	15	0.18
(1,2015)	2:29:B:LEU:HD13	2:27:B:PHE:HD2	15	0.18
(1,2009)	2:29:A:LEU:HD13	2:70:A:VAL:H	6	0.18
(1,1961)	2:34:B:LEU:HD22	2:62:B:LEU:HD13	3	0.18
(1,1961)	2:34:B:LEU:HD23	2:62:B:LEU:HD13	10	0.18
(1,1930)	2:34:B:LEU:HD12	2:59:B:MET:HG3	10	0.18
(1,1774)	2:37:B:LEU:HD13	2:16:B:PHE:HA	14	0.18
(1,1709)	2:38:A:LEU:HD13	2:42:A:LEU:HD21	20	0.18
(1,1700)	2:38:A:LEU:HD22	2:55:A:PHE:HE1	13	0.18
(1,1700)	2:38:A:LEU:HD22	2:55:A:PHE:HE2	13	0.18
(1,1700)	2:38:A:LEU:HD23	2:55:A:PHE:HE1	18	0.18
(1,1700)	2:38:A:LEU:HD23	2:55:A:PHE:HE2	18	0.18
(1,1655)	2:39:A:THR:HG21	2:35:A:LYS:HE3	4	0.18
(1,1655)	2:39:A:THR:HG22	2:35:A:LYS:HE3	9	0.18
(1,1592)	2:35:B:LYS:HG2	2:36:B:GLU:HG2	19	0.18
(1,1548)	2:42:A:LEU:HD12	2:37:A:LEU:HB3	17	0.18
(1,1504)	2:46:B:LEU:HD23	2:46:B:LEU:HG	1	0.18
(1,1460)	2:46:A:LEU:HD23	2:47:A:GLY:H	12	0.18
(1,1431)	2:48:A:LYS:HB3	2:49:A:ARG:H	10	0.18
(1,1420)	2:49:B:ARG:HD3	2:46:B:LEU:HB2	7	0.18
(1,1385)	2:50:B:THR:HG22	1:1928:C:PHE:HD1	20	0.18
(1,1385)	2:50:B:THR:HG22	1:1928:C:PHE:HD2	20	0.18
(1,1355)	2:52:B:GLU:HG2	2:52:B:GLU:H	10	0.18
(1,1302)	2:54:B:ALA:HB2	2:55:B:PHE:H	12	0.18
(1,1302)	2:54:B:ALA:HB1	2:55:B:PHE:H	13	0.18
(1,1302)	2:54:B:ALA:HB3	2:55:B:PHE:H	14	0.18
(1,1283)	2:54:A:ALA:HB1	1:1897:C:GLN:HE22	13	0.18
(1,1270)	2:56:B:GLN:HB2	2:57:B:LYS:HB2	11	0.18
(1,1159)	2:58:A:LEU:HD22	2:62:A:LEU:HD22	14	0.18
(1,1100)	2:59:B:MET:HE3	2:31:B:LYS:H	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1092)	2:59:B:MET:HE1	2:61:B:ASN:H	10	0.18
(1,1088)	2:59:B:MET:HE3	2:69:B:GLU:HA	16	0.18
(1,1080)	2:59:B:MET:HE2	2:59:B:MET:HG2	9	0.18
(1,1078)	2:59:B:MET:HE2	2:59:B:MET:HB2	12	0.18
(1,1049)	2:59:A:MET:HE3	2:71:A:ASP:H	6	0.18
(1,1045)	2:59:A:MET:HE1	2:31:A:LYS:H	15	0.18
(1,1045)	2:59:A:MET:HE2	2:31:A:LYS:H	17	0.18
(1,1043)	2:59:A:MET:HE3	2:60:A:SER:H	13	0.18
(1,1030)	2:59:A:MET:HE1	2:70:A:VAL:HG12	2	0.18
(1,1030)	2:59:A:MET:HE3	2:70:A:VAL:HG13	6	0.18
(1,1027)	2:59:A:MET:HE1	2:62:A:LEU:HD21	14	0.18
(1,956)	2:62:B:LEU:HD13	2:78:B:PHE:HZ	5	0.18
(1,870)	2:64:A:SER:HB2	1:1907:C:ALA:HB1	2	0.18
(1,870)	2:64:A:SER:HB2	1:1907:C:ALA:HB2	2	0.18
(1,870)	2:64:A:SER:HB2	1:1907:C:ALA:HB3	2	0.18
(1,777)	2:70:B:VAL:HG21	2:62:B:LEU:HB2	9	0.18
(1,775)	2:70:B:VAL:HG22	2:59:B:MET:HE3	5	0.18
(1,735)	2:70:A:VAL:HG23	2:62:A:LEU:HB2	16	0.18
(1,703)	2:71:B:ASP:HA	2:75:B:TYR:HD1	8	0.18
(1,703)	2:71:B:ASP:HA	2:75:B:TYR:HD2	8	0.18
(1,611)	2:77:B:VAL:HG12	2:77:B:VAL:HB	13	0.18
(1,611)	2:77:B:VAL:HG11	2:77:B:VAL:HB	16	0.18
(1,611)	2:77:B:VAL:HG12	2:77:B:VAL:HB	20	0.18
(1,568)	2:77:A:VAL:HG21	1:1907:C:ALA:HA	18	0.18
(1,531)	2:79:B:LEU:HD21	2:79:B:LEU:HA	5	0.18
(1,531)	2:79:B:LEU:HD21	2:79:B:LEU:HA	9	0.18
(1,531)	2:79:B:LEU:HD21	2:79:B:LEU:HA	18	0.18
(1,359)	2:82:B:ILE:HD11	1:1928:C:PHE:HD1	19	0.18
(1,359)	2:82:B:ILE:HD11	1:1928:C:PHE:HD2	19	0.18
(1,357)	2:82:B:ILE:HD11	2:83:B:ALA:H	12	0.18
(1,354)	2:82:B:ILE:HG23	2:45:B:PHE:HE1	15	0.18
(1,354)	2:82:B:ILE:HG23	2:45:B:PHE:HE2	15	0.18
(1,353)	2:82:B:ILE:HG22	1:1928:C:PHE:HZ	15	0.18
(1,353)	2:82:B:ILE:HG21	1:1928:C:PHE:HZ	17	0.18
(1,353)	2:82:B:ILE:HG23	1:1928:C:PHE:HZ	20	0.18
(1,315)	2:82:A:ILE:HD13	2:42:A:LEU:HD22	17	0.18
(1,315)	2:82:A:ILE:HD13	2:42:A:LEU:HD22	20	0.18
(1,286)	2:83:A:ALA:HA	2:9:B:LEU:HD21	7	0.18
(1,266)	2:83:A:ALA:HB3	2:76:B:CYS:H	12	0.18
(1,253)	2:84:B:MET:HE2	2:73:A:GLN:HE22	16	0.18
(1,246)	2:84:B:MET:HE2	1:1918:C:LYS:HE3	20	0.18
(1,240)	2:84:B:MET:HE2	1:1918:C:LYS:HD2	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,240)	2:84:B:MET:HE2	1:1918:C:LYS:HD2	5	0.18
(1,235)	2:84:B:MET:HA	2:72:A:PHE:HE1	1	0.18
(1,235)	2:84:B:MET:HA	2:72:A:PHE:HE2	1	0.18
(1,235)	2:84:B:MET:HA	2:72:A:PHE:HE1	8	0.18
(1,235)	2:84:B:MET:HA	2:72:A:PHE:HE2	8	0.18
(1,214)	2:84:A:MET:HE2	2:72:B:PHE:HE1	3	0.18
(1,214)	2:84:A:MET:HE2	2:72:B:PHE:HE2	3	0.18
(1,209)	2:84:A:MET:HE1	2:73:B:GLN:HA	2	0.18
(1,203)	2:84:A:MET:HE3	1:1906:C:THR:HG21	18	0.18
(1,203)	2:84:A:MET:HE3	1:1906:C:THR:HG22	18	0.18
(1,203)	2:84:A:MET:HE3	1:1906:C:THR:HG23	18	0.18
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG21	11	0.18
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG22	11	0.18
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG23	11	0.18
(1,146)	2:85:A:MET:HE2	1:1900:C:LEU:HA	9	0.18
(1,146)	2:85:A:MET:HE2	1:1900:C:LEU:HA	15	0.18
(1,146)	2:85:A:MET:HE2	1:1900:C:LEU:HA	19	0.18
(1,85)	2:87:B:ASN:HA	2:72:A:PHE:HZ	19	0.18
(2,49)	1:1935:C:ALA:HB1	1:1932:C:ARG:HA	15	0.17
(2,49)	1:1935:C:ALA:HB2	1:1932:C:ARG:HA	15	0.17
(2,49)	1:1935:C:ALA:HB3	1:1932:C:ARG:HA	15	0.17
(2,46)	1:1916:C:SER:H	1:1912:C:ARG:HB2	3	0.17
(2,15)	2:35:A:LYS:HE3	2:50:A:THR:HB	18	0.17
(1,7001)	2:89:A:PHE:HD1	2:89:A:PHE:H	17	0.17
(1,6999)	2:27:B:PHE:HE2	2:27:B:PHE:HD2	14	0.17
(1,6999)	2:27:B:PHE:HE1	2:27:B:PHE:HD1	16	0.17
(1,6999)	2:27:B:PHE:HE1	2:27:B:PHE:HD1	19	0.17
(1,6921)	2:59:B:MET:H	2:58:B:LEU:HD22	3	0.17
(1,6921)	2:59:B:MET:H	2:58:B:LEU:HD22	20	0.17
(1,6815)	2:62:A:LEU:H	1:1908:C:ASP:H	1	0.17
(1,6815)	2:62:A:LEU:H	1:1908:C:ASP:H	12	0.17
(1,6811)	2:61:A:ASN:H	2:57:A:LYS:HD2	1	0.17
(1,6809)	2:61:A:ASN:H	2:59:A:MET:HB2	10	0.17
(1,6799)	2:49:A:ARG:H	2:48:A:LYS:HA	12	0.17
(1,6799)	2:49:A:ARG:H	2:48:A:LYS:HA	13	0.17
(1,6799)	2:49:A:ARG:H	2:48:A:LYS:HA	15	0.17
(1,6799)	2:49:A:ARG:H	2:48:A:LYS:HA	19	0.17
(1,6797)	2:47:A:GLY:H	2:46:A:LEU:HA	2	0.17
(1,6797)	2:47:A:GLY:H	2:46:A:LEU:HA	13	0.17
(1,6644)	2:4:B:PRO:HG2	2:11:A:VAL:HG22	1	0.17
(1,6618)	2:2:A:ALA:HA	2:7:A:LYS:HE2	3	0.17
(1,6618)	2:2:A:ALA:HA	2:7:A:LYS:HE2	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6612)	2:3:A:CYS:HB3	2:43:B:PRO:HD3	1	0.17
(1,6592)	2:5:B:LEU:HD23	2:79:A:LEU:HG	7	0.17
(1,6577)	2:6:B:GLU:HA	2:42:A:LEU:HD11	18	0.17
(1,6574)	2:6:A:GLU:HA	2:41:B:GLU:HB2	10	0.17
(1,6564)	2:7:A:LYS:HB3	2:6:A:GLU:H	3	0.17
(1,6554)	2:8:B:ALA:HB2	2:8:A:ALA:HA	3	0.17
(1,6553)	2:8:B:ALA:HB3	2:5:B:LEU:HA	12	0.17
(1,6552)	2:8:B:ALA:HB3	2:7:B:LYS:HB3	12	0.17
(1,6533)	2:8:B:ALA:HA	2:11:B:VAL:HG12	4	0.17
(1,6517)	2:9:A:LEU:HD22	2:12:A:MET:HB2	17	0.17
(1,6501)	2:11:A:VAL:HG23	2:7:A:LYS:HE2	20	0.17
(1,6488)	2:11:B:VAL:HG12	2:8:B:ALA:H	14	0.17
(1,6460)	2:12:A:MET:HE1	2:9:A:LEU:H	4	0.17
(1,6456)	2:12:A:MET:HE2	2:9:A:LEU:HA	13	0.17
(1,6455)	2:12:A:MET:HE3	2:76:A:CYS:HA	18	0.17
(1,6438)	2:12:B:MET:HE2	2:79:A:LEU:HG	4	0.17
(1,6428)	2:13:A:VAL:HG23	2:72:A:PHE:HZ	9	0.17
(1,6412)	2:13:A:VAL:HG11	2:91:B:GLU:HB2	1	0.17
(1,6402)	2:15:A:THR:HG22	2:37:A:LEU:H	5	0.17
(1,6353)	2:22:B:LYS:HD3	2:19:B:TYR:HD1	10	0.17
(1,6309)	2:25:A:ASP:HA	2:26:A:LYS:HG2	9	0.17
(1,6235)	2:29:A:LEU:HD11	2:34:A:LEU:H	7	0.17
(1,6235)	2:29:A:LEU:HD11	2:34:A:LEU:H	18	0.17
(1,6195)	2:33:B:GLU:HA	2:37:B:LEU:HD11	5	0.17
(1,6176)	2:34:A:LEU:HD12	2:33:A:GLU:HB2	12	0.17
(1,6175)	2:34:A:LEU:HD11	2:78:A:PHE:HB3	15	0.17
(1,6099)	2:38:B:LEU:HD22	2:39:B:THR:HA	7	0.17
(1,6099)	2:38:B:LEU:HD23	2:39:B:THR:HA	10	0.17
(1,6096)	2:38:A:LEU:HD21	2:62:A:LEU:HD22	4	0.17
(1,6094)	2:38:A:LEU:HD21	2:58:A:LEU:HD21	9	0.17
(1,6091)	2:38:A:LEU:HD12	2:34:A:LEU:HG	13	0.17
(1,6091)	2:38:A:LEU:HD12	2:34:A:LEU:HG	15	0.17
(1,6087)	2:38:A:LEU:HD23	2:39:A:THR:HA	10	0.17
(1,6063)	2:40:B:ARG:HD3	2:39:B:THR:HG22	12	0.17
(1,6024)	2:46:B:LEU:HD12	2:39:B:THR:H	3	0.17
(1,5960)	2:59:B:MET:HE2	2:60:B:SER:HA	19	0.17
(1,5947)	2:59:A:MET:HE1	2:30:A:ASN:HA	4	0.17
(1,5944)	2:59:A:MET:HE1	2:31:A:LYS:HG3	19	0.17
(1,5934)	2:55:B:PHE:HA	2:56:B:GLN:HG2	12	0.17
(1,5925)	2:62:B:LEU:HD13	2:58:B:LEU:HG	20	0.17
(1,5918)	2:62:B:LEU:HD12	1:1921:C:LEU:HD21	17	0.17
(1,5809)	2:79:A:LEU:HD13	2:13:A:VAL:H	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5788)	2:82:B:ILE:HG22	2:42:B:LEU:HD22	8	0.17
(1,5788)	2:82:B:ILE:HG23	2:9:A:LEU:HD23	15	0.17
(1,5777)	2:83:B:ALA:HB3	2:13:A:VAL:HG11	9	0.17
(1,5764)	2:83:B:ALA:HB2	2:72:A:PHE:HE2	18	0.17
(1,5761)	2:83:A:ALA:HB1	2:80:A:SER:H	8	0.17
(1,5748)	2:85:B:MET:HE1	1:1923:C:ARG:H	2	0.17
(1,5661)	1:1900:C:LEU:HD11	2:45:A:PHE:HA	8	0.17
(1,5650)	1:1900:C:LEU:HD11	2:59:A:MET:H	5	0.17
(1,5650)	1:1900:C:LEU:HD12	2:59:A:MET:H	5	0.17
(1,5650)	1:1900:C:LEU:HD13	2:59:A:MET:H	5	0.17
(1,5650)	1:1900:C:LEU:HD11	2:59:A:MET:H	15	0.17
(1,5650)	1:1900:C:LEU:HD12	2:59:A:MET:H	15	0.17
(1,5650)	1:1900:C:LEU:HD13	2:59:A:MET:H	15	0.17
(1,5630)	1:1903:C:ALA:HB1	2:9:B:LEU:HD12	13	0.17
(1,5630)	1:1903:C:ALA:HB2	2:9:B:LEU:HD12	13	0.17
(1,5630)	1:1903:C:ALA:HB3	2:9:B:LEU:HD12	13	0.17
(1,5621)	1:1903:C:ALA:HB1	1:1899:C:GLU:HG3	5	0.17
(1,5621)	1:1903:C:ALA:HB2	1:1899:C:GLU:HG3	5	0.17
(1,5621)	1:1903:C:ALA:HB3	1:1899:C:GLU:HG3	5	0.17
(1,5621)	1:1903:C:ALA:HB1	1:1899:C:GLU:HG3	15	0.17
(1,5621)	1:1903:C:ALA:HB2	1:1899:C:GLU:HG3	15	0.17
(1,5621)	1:1903:C:ALA:HB3	1:1899:C:GLU:HG3	15	0.17
(1,5362)	1:1917:C:LEU:HD21	1:1918:C:LYS:HB3	6	0.17
(1,5362)	1:1917:C:LEU:HD22	1:1918:C:LYS:HB3	6	0.17
(1,5362)	1:1917:C:LEU:HD23	1:1918:C:LYS:HB3	6	0.17
(1,5323)	1:1918:C:LYS:HB3	1:1917:C:LEU:HA	2	0.17
(1,5323)	1:1918:C:LYS:HB3	1:1917:C:LEU:HA	5	0.17
(1,5287)	1:1921:C:LEU:HD21	1:1917:C:LEU:HD21	20	0.17
(1,5287)	1:1921:C:LEU:HD21	1:1917:C:LEU:HD22	20	0.17
(1,5287)	1:1921:C:LEU:HD21	1:1917:C:LEU:HD23	20	0.17
(1,5287)	1:1921:C:LEU:HD22	1:1917:C:LEU:HD21	20	0.17
(1,5287)	1:1921:C:LEU:HD22	1:1917:C:LEU:HD22	20	0.17
(1,5287)	1:1921:C:LEU:HD22	1:1917:C:LEU:HD23	20	0.17
(1,5287)	1:1921:C:LEU:HD23	1:1917:C:LEU:HD21	20	0.17
(1,5287)	1:1921:C:LEU:HD23	1:1917:C:LEU:HD22	20	0.17
(1,5287)	1:1921:C:LEU:HD23	1:1917:C:LEU:HD23	20	0.17
(1,5178)	1:1929:C:VAL:HG11	2:45:B:PHE:HA	2	0.17
(1,5178)	1:1929:C:VAL:HG12	2:45:B:PHE:HA	2	0.17
(1,5178)	1:1929:C:VAL:HG13	2:45:B:PHE:HA	2	0.17
(1,5169)	1:1929:C:VAL:HG11	2:48:B:LYS:H	8	0.17
(1,5169)	1:1929:C:VAL:HG12	2:48:B:LYS:H	8	0.17
(1,5169)	1:1929:C:VAL:HG13	2:48:B:LYS:H	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5162)	1:1930:C:VAL:HG21	2:90:B:PHE:HB3	6	0.17
(1,5162)	1:1930:C:VAL:HG22	2:90:B:PHE:HB3	6	0.17
(1,5162)	1:1930:C:VAL:HG23	2:90:B:PHE:HB3	6	0.17
(1,5162)	1:1930:C:VAL:HG21	2:90:B:PHE:HB3	15	0.17
(1,5162)	1:1930:C:VAL:HG22	2:90:B:PHE:HB3	15	0.17
(1,5162)	1:1930:C:VAL:HG23	2:90:B:PHE:HB3	15	0.17
(1,5128)	1:1934:C:MET:HE1	2:6:A:GLU:HA	9	0.17
(1,5081)	1:1899:C:GLU:H	2:45:A:PHE:HB3	19	0.17
(1,5080)	1:1899:C:GLU:H	1:1898:C:ARG:HD2	4	0.17
(1,5053)	1:1904:C:THR:H	1:1902:C:ASP:HB3	20	0.17
(1,4589)	1:1918:C:LYS:HD2	1:1915:C:SER:HB2	19	0.17
(1,4588)	2:57:A:LYS:HD3	1:1905:C:GLU:HA	7	0.17
(1,4390)	1:1928:C:PHE:HZ	1:1929:C:VAL:HG11	8	0.17
(1,4390)	1:1928:C:PHE:HZ	1:1929:C:VAL:HG12	8	0.17
(1,4390)	1:1928:C:PHE:HZ	1:1929:C:VAL:HG13	8	0.17
(1,4149)	2:61:B:ASN:HA	1:1921:C:LEU:HD11	10	0.17
(1,4149)	2:61:B:ASN:HA	1:1921:C:LEU:HD12	10	0.17
(1,4149)	2:61:B:ASN:HA	1:1921:C:LEU:HD13	10	0.17
(1,4149)	2:61:B:ASN:HA	1:1921:C:LEU:HD11	16	0.17
(1,4149)	2:61:B:ASN:HA	1:1921:C:LEU:HD12	16	0.17
(1,4149)	2:61:B:ASN:HA	1:1921:C:LEU:HD13	16	0.17
(1,4125)	2:76:A:CYS:HB3	1:1910:C:MET:HG2	18	0.17
(1,4120)	2:77:B:VAL:HG13	1:1917:C:LEU:H	15	0.17
(1,4086)	2:84:B:MET:HE2	1:1918:C:LYS:HD3	14	0.17
(1,4038)	2:85:A:MET:HB2	1:1903:C:ALA:HB1	20	0.17
(1,4038)	2:85:A:MET:HB2	1:1903:C:ALA:HB2	20	0.17
(1,4038)	2:85:A:MET:HB2	1:1903:C:ALA:HB3	20	0.17
(1,4027)	2:82:B:ILE:HG21	1:1929:C:VAL:HG11	17	0.17
(1,4027)	2:82:B:ILE:HG21	1:1929:C:VAL:HG12	17	0.17
(1,4027)	2:82:B:ILE:HG21	1:1929:C:VAL:HG13	17	0.17
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD11	2	0.17
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD12	2	0.17
(1,3993)	2:58:B:LEU:HD23	1:1926:C:LEU:HD13	2	0.17
(1,3904)	2:38:A:LEU:HD13	1:1900:C:LEU:HD21	11	0.17
(1,3904)	2:38:A:LEU:HD13	1:1900:C:LEU:HD22	11	0.17
(1,3904)	2:38:A:LEU:HD13	1:1900:C:LEU:HD23	11	0.17
(1,3882)	2:19:A:TYR:HE1	2:36:A:GLU:HG2	17	0.17
(1,3882)	2:19:A:TYR:HE2	2:36:A:GLU:HG2	17	0.17
(1,3870)	2:45:B:PHE:HD1	2:42:B:LEU:HD12	7	0.17
(1,3870)	2:45:B:PHE:HD2	2:42:B:LEU:HD12	7	0.17
(1,3820)	2:78:A:PHE:H	2:78:A:PHE:HE1	4	0.17
(1,3820)	2:78:A:PHE:H	2:78:A:PHE:HE2	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3820)	2:78:A:PHE:H	2:78:A:PHE:HE1	18	0.17
(1,3820)	2:78:A:PHE:H	2:78:A:PHE:HE2	18	0.17
(1,3820)	2:78:A:PHE:H	2:78:A:PHE:HE1	19	0.17
(1,3820)	2:78:A:PHE:H	2:78:A:PHE:HE2	19	0.17
(1,3814)	2:95:B:ASP:H	2:94:B:PRO:HA	2	0.17
(1,3814)	2:95:B:ASP:H	2:94:B:PRO:HA	12	0.17
(1,3745)	2:93:B:PHE:H	2:94:B:PRO:HA	20	0.17
(1,3420)	2:42:B:LEU:H	2:37:B:LEU:HB3	20	0.17
(1,3252)	2:2:B:ALA:H	2:4:B:PRO:HG3	19	0.17
(1,3245)	2:97:A:GLN:H	2:96:A:LYS:HA	13	0.17
(1,3228)	2:95:A:ASP:H	2:93:A:PHE:HA	6	0.17
(1,3163)	2:86:A:CYS:H	2:9:B:LEU:HB2	16	0.17
(1,3075)	2:74:A:GLU:H	2:70:A:VAL:HB	8	0.17
(1,2995)	2:62:A:LEU:H	2:57:A:LYS:HE2	16	0.17
(1,2988)	2:61:A:ASN:H	2:62:A:LEU:HD23	11	0.17
(1,2600)	2:29:A:LEU:H	2:27:A:PHE:HD1	16	0.17
(1,2600)	2:29:A:LEU:H	2:27:A:PHE:HD2	16	0.17
(1,2591)	2:4:B:PRO:HG2	2:11:A:VAL:HG22	1	0.17
(1,2522)	2:5:B:LEU:HD23	2:9:B:LEU:H	9	0.17
(1,2509)	2:5:B:LEU:HD23	2:12:A:MET:HA	15	0.17
(1,2495)	2:5:B:LEU:HD13	2:6:B:GLU:HA	6	0.17
(1,2495)	2:5:B:LEU:HD13	2:6:B:GLU:HA	14	0.17
(1,2479)	2:7:B:LYS:HG2	2:7:B:LYS:H	5	0.17
(1,2426)	2:9:A:LEU:HD12	2:45:B:PHE:HZ	4	0.17
(1,2390)	2:9:B:LEU:HD12	2:12:B:MET:HG3	11	0.17
(1,2313)	2:12:A:MET:HE1	2:9:B:LEU:H	7	0.17
(1,2308)	2:12:A:MET:HE1	2:79:A:LEU:HA	20	0.17
(1,2306)	2:12:A:MET:HE1	2:12:B:MET:HG2	5	0.17
(1,2278)	2:12:B:MET:HE1	2:12:B:MET:H	9	0.17
(1,2278)	2:12:B:MET:HE1	2:12:B:MET:H	15	0.17
(1,2225)	2:13:A:VAL:HG11	2:16:A:PHE:HB2	12	0.17
(1,2222)	2:13:A:VAL:HG12	2:13:A:VAL:HG23	18	0.17
(1,2215)	2:13:A:VAL:HG12	2:86:B:CYS:H	20	0.17
(1,2134)	2:18:B:LYS:HE2	2:18:B:LYS:HG2	18	0.17
(1,2039)	2:29:B:LEU:HD13	2:34:B:LEU:HA	10	0.17
(1,2039)	2:29:B:LEU:HD11	2:34:B:LEU:HA	15	0.17
(1,2026)	2:29:A:LEU:HD13	2:34:A:LEU:HA	8	0.17
(1,2014)	2:29:A:LEU:HD13	2:27:A:PHE:HD1	6	0.17
(1,2014)	2:29:A:LEU:HD13	2:27:A:PHE:HD2	6	0.17
(1,2010)	2:29:B:LEU:HD11	2:34:B:LEU:H	14	0.17
(1,1818)	2:36:B:GLU:HB3	2:19:B:TYR:HE1	16	0.17
(1,1818)	2:36:B:GLU:HB3	2:19:B:TYR:HE2	16	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1793)	2:36:A:GLU:HB3	2:19:A:TYR:HE1	16	0.17
(1,1793)	2:36:A:GLU:HB3	2:19:A:TYR:HE2	16	0.17
(1,1792)	2:36:A:GLU:HB3	2:33:A:GLU:HA	3	0.17
(1,1762)	2:38:B:LEU:HD13	2:62:B:LEU:HD23	19	0.17
(1,1736)	2:38:B:LEU:HD21	2:38:B:LEU:HA	3	0.17
(1,1736)	2:38:B:LEU:HD21	2:38:B:LEU:HA	19	0.17
(1,1735)	2:38:B:LEU:HD22	2:35:B:LYS:HA	5	0.17
(1,1713)	2:38:A:LEU:HD11	2:42:A:LEU:HB2	7	0.17
(1,1705)	2:38:A:LEU:HD12	2:50:A:THR:HB	19	0.17
(1,1699)	2:38:A:LEU:HD21	2:46:A:LEU:H	6	0.17
(1,1698)	2:38:A:LEU:HD13	2:78:A:PHE:HD1	9	0.17
(1,1698)	2:38:A:LEU:HD13	2:78:A:PHE:HD2	9	0.17
(1,1671)	2:39:B:THR:HG22	2:40:B:ARG:HD3	12	0.17
(1,1652)	2:39:A:THR:HB	2:36:A:GLU:HB3	5	0.17
(1,1602)	2:42:B:LEU:HD11	2:6:A:GLU:HA	8	0.17
(1,1548)	2:42:A:LEU:HD12	2:37:A:LEU:HB3	10	0.17
(1,1504)	2:46:B:LEU:HD22	2:46:B:LEU:HG	16	0.17
(1,1482)	2:46:A:LEU:HD21	2:46:A:LEU:HG	20	0.17
(1,1468)	2:46:A:LEU:HD12	1:1897:C:GLN:HE22	19	0.17
(1,1420)	2:49:B:ARG:HD3	2:46:B:LEU:HB2	16	0.17
(1,1356)	2:52:B:GLU:HG2	2:55:B:PHE:H	14	0.17
(1,1355)	2:52:B:GLU:HG2	2:52:B:GLU:H	16	0.17
(1,1321)	2:53:A:ALA:HB1	2:55:A:PHE:HD1	14	0.17
(1,1321)	2:53:A:ALA:HB1	2:55:A:PHE:HD2	14	0.17
(1,1302)	2:54:B:ALA:HB2	2:55:B:PHE:H	7	0.17
(1,1302)	2:54:B:ALA:HB3	2:55:B:PHE:H	17	0.17
(1,1302)	2:54:B:ALA:HB3	2:55:B:PHE:H	18	0.17
(1,1289)	2:54:A:ALA:HB2	2:51:A:ASP:HB2	1	0.17
(1,1285)	2:54:A:ALA:HB3	2:53:A:ALA:H	14	0.17
(1,1285)	2:54:A:ALA:HB1	2:53:A:ALA:H	15	0.17
(1,1159)	2:58:A:LEU:HD21	2:62:A:LEU:HD21	3	0.17
(1,1159)	2:58:A:LEU:HD22	2:62:A:LEU:HD22	15	0.17
(1,1142)	2:58:A:LEU:HD13	1:1904:C:THR:HG21	14	0.17
(1,1142)	2:58:A:LEU:HD13	1:1904:C:THR:HG22	14	0.17
(1,1142)	2:58:A:LEU:HD13	1:1904:C:THR:HG23	14	0.17
(1,1088)	2:59:B:MET:HE3	2:69:B:GLU:HA	17	0.17
(1,1078)	2:59:B:MET:HE2	2:59:B:MET:HB2	5	0.17
(1,1075)	2:59:B:MET:HE3	2:29:B:LEU:HB3	18	0.17
(1,1049)	2:59:A:MET:HE1	2:71:A:ASP:H	5	0.17
(1,1041)	2:59:A:MET:HE1	2:55:A:PHE:HD2	7	0.17
(1,1036)	2:59:A:MET:HE3	2:59:A:MET:HA	17	0.17
(1,1028)	2:59:A:MET:HE1	2:34:A:LEU:HD12	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,934)	2:62:B:LEU:HD12	2:61:B:ASN:HB3	8	0.17
(1,934)	2:62:B:LEU:HD12	2:61:B:ASN:HB3	18	0.17
(1,917)	2:29:A:LEU:HD22	2:20:A:SER:HA	5	0.17
(1,904)	2:62:A:LEU:HD12	2:58:A:LEU:HA	5	0.17
(1,785)	2:70:B:VAL:HG21	2:29:B:LEU:HD12	9	0.17
(1,735)	2:70:A:VAL:HG21	2:62:A:LEU:HB2	12	0.17
(1,735)	2:70:A:VAL:HG23	2:62:A:LEU:HB2	13	0.17
(1,628)	2:76:B:CYS:HA	2:12:B:MET:HA	13	0.17
(1,611)	2:77:B:VAL:HG11	2:77:B:VAL:HB	2	0.17
(1,611)	2:77:B:VAL:HG11	2:77:B:VAL:HB	3	0.17
(1,531)	2:79:B:LEU:HD21	2:79:B:LEU:HA	2	0.17
(1,490)	2:79:B:LEU:HD11	2:83:A:ALA:H	10	0.17
(1,353)	2:82:B:ILE:HG21	1:1928:C:PHE:HZ	11	0.17
(1,315)	2:82:A:ILE:HD13	2:42:A:LEU:HD23	3	0.17
(1,286)	2:83:A:ALA:HA	2:9:B:LEU:HD21	2	0.17
(1,286)	2:83:A:ALA:HA	2:9:B:LEU:HD21	4	0.17
(1,251)	2:84:B:MET:HE2	2:81:B:CYS:HA	1	0.17
(1,235)	2:84:B:MET:HA	2:72:A:PHE:HE1	7	0.17
(1,235)	2:84:B:MET:HA	2:72:A:PHE:HE2	7	0.17
(1,165)	2:85:B:MET:HE1	1:1921:C:LEU:HB3	7	0.17
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG21	1	0.17
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG22	1	0.17
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG23	1	0.17
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG21	20	0.17
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG22	20	0.17
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG23	20	0.17
(1,146)	2:85:A:MET:HE2	1:1900:C:LEU:HA	7	0.17
(1,146)	2:85:A:MET:HE2	1:1900:C:LEU:HA	8	0.17
(1,145)	2:85:A:MET:HE3	2:82:A:ILE:HA	6	0.17
(1,143)	2:85:A:MET:HE3	2:85:A:MET:HB2	4	0.17
(1,128)	2:85:A:MET:HE1	2:45:A:PHE:H	6	0.17
(1,85)	2:87:B:ASN:HA	2:72:A:PHE:HZ	12	0.17
(2,33)	2:88:B:GLU:H	2:84:B:MET:HA	17	0.16
(2,15)	2:35:A:LYS:HE3	2:50:A:THR:HB	6	0.16
(2,15)	2:35:A:LYS:HE3	2:50:A:THR:HB	10	0.16
(2,1)	2:91:B:GLU:HA	2:27:A:PHE:HD1	2	0.16
(2,1)	2:91:B:GLU:HA	2:27:A:PHE:HD2	2	0.16
(1,6999)	2:27:B:PHE:HE1	2:27:B:PHE:HD1	1	0.16
(1,6999)	2:27:B:PHE:HE2	2:27:B:PHE:HD2	2	0.16
(1,6999)	2:27:B:PHE:HE1	2:27:B:PHE:HD1	3	0.16
(1,6999)	2:27:B:PHE:HE1	2:27:B:PHE:HD1	4	0.16
(1,6999)	2:27:B:PHE:HE1	2:27:B:PHE:HD1	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6999)	2:27:B:PHE:HE2	2:27:B:PHE:HD2	6	0.16
(1,6999)	2:27:B:PHE:HE2	2:27:B:PHE:HD2	7	0.16
(1,6999)	2:27:B:PHE:HE1	2:27:B:PHE:HD1	8	0.16
(1,6999)	2:27:B:PHE:HE1	2:27:B:PHE:HD1	9	0.16
(1,6999)	2:27:B:PHE:HE2	2:27:B:PHE:HD2	10	0.16
(1,6999)	2:27:B:PHE:HE1	2:27:B:PHE:HD1	11	0.16
(1,6999)	2:27:B:PHE:HE2	2:27:B:PHE:HD2	12	0.16
(1,6999)	2:27:B:PHE:HE2	2:27:B:PHE:HD2	15	0.16
(1,6999)	2:27:B:PHE:HE2	2:27:B:PHE:HD2	17	0.16
(1,6999)	2:27:B:PHE:HE2	2:27:B:PHE:HD2	18	0.16
(1,6999)	2:27:B:PHE:HE1	2:27:B:PHE:HD1	20	0.16
(1,6949)	2:80:B:SER:H	2:79:B:LEU:HD21	12	0.16
(1,6921)	2:59:B:MET:H	2:58:B:LEU:HD22	1	0.16
(1,6921)	2:59:B:MET:H	2:58:B:LEU:HD22	9	0.16
(1,6921)	2:59:B:MET:H	2:58:B:LEU:HD22	14	0.16
(1,6841)	2:80:A:SER:H	2:77:A:VAL:HG21	12	0.16
(1,6815)	2:62:A:LEU:H	1:1908:C:ASP:H	10	0.16
(1,6797)	2:47:A:GLY:H	2:46:A:LEU:HA	9	0.16
(1,6797)	2:47:A:GLY:H	2:46:A:LEU:HA	11	0.16
(1,6797)	2:47:A:GLY:H	2:46:A:LEU:HA	16	0.16
(1,6768)	2:27:B:PHE:H	2:28:B:LYS:HD3	8	0.16
(1,6612)	2:3:A:CYS:HB3	2:43:B:PRO:HD3	4	0.16
(1,6601)	2:5:A:LEU:HD23	2:12:B:MET:HE3	10	0.16
(1,6577)	2:6:B:GLU:HA	2:42:A:LEU:HD11	17	0.16
(1,6564)	2:7:A:LYS:HB3	2:6:A:GLU:H	1	0.16
(1,6556)	2:8:A:ALA:HB2	2:11:B:VAL:HA	17	0.16
(1,6553)	2:8:B:ALA:HB1	2:5:B:LEU:HA	5	0.16
(1,6551)	2:8:B:ALA:HB2	2:5:B:LEU:HD23	3	0.16
(1,6542)	2:8:A:ALA:HB2	2:4:A:PRO:HB2	3	0.16
(1,6533)	2:8:B:ALA:HA	2:11:B:VAL:HG11	5	0.16
(1,6524)	2:9:A:LEU:HD13	2:6:A:GLU:HA	13	0.16
(1,6524)	2:9:A:LEU:HD12	2:6:A:GLU:HA	20	0.16
(1,6523)	2:9:A:LEU:HD11	2:11:A:VAL:H	12	0.16
(1,6488)	2:11:B:VAL:HG13	2:8:B:ALA:H	3	0.16
(1,6488)	2:11:B:VAL:HG11	2:8:B:ALA:H	18	0.16
(1,6437)	2:12:B:MET:HE2	2:79:A:LEU:HB3	7	0.16
(1,6436)	2:12:B:MET:HE1	2:9:B:LEU:HD12	19	0.16
(1,6424)	2:13:B:VAL:HG22	2:87:A:ASN:HA	20	0.16
(1,6399)	2:15:A:THR:HG23	2:41:A:GLU:HA	3	0.16
(1,6394)	2:15:A:THR:HB	2:18:A:LYS:HD2	3	0.16
(1,6369)	2:19:B:TYR:HA	2:22:B:LYS:HD2	5	0.16
(1,6369)	2:19:B:TYR:HA	2:22:B:LYS:HD2	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6363)	2:21:B:GLY:HA3	2:26:B:LYS:HB3	13	0.16
(1,6293)	2:26:A:LYS:HG2	2:27:A:PHE:HD2	8	0.16
(1,6243)	2:29:B:LEU:HD13	2:34:B:LEU:HD22	10	0.16
(1,6197)	2:33:A:GLU:HA	2:36:A:GLU:HB3	18	0.16
(1,6195)	2:33:A:GLU:HA	2:37:A:LEU:HD11	7	0.16
(1,6180)	2:34:A:LEU:HD23	2:37:A:LEU:HD13	4	0.16
(1,6176)	2:34:A:LEU:HD12	2:33:A:GLU:HB2	1	0.16
(1,6176)	2:34:A:LEU:HD12	2:33:A:GLU:HB2	3	0.16
(1,6145)	2:37:B:LEU:HD22	2:5:A:LEU:HD11	7	0.16
(1,6144)	2:37:B:LEU:HD11	2:12:B:MET:HA	15	0.16
(1,6144)	2:37:B:LEU:HD12	2:12:B:MET:HA	18	0.16
(1,6108)	2:38:B:LEU:HD11	2:34:B:LEU:HD22	11	0.16
(1,6108)	2:38:B:LEU:HD13	2:34:B:LEU:HD23	19	0.16
(1,6093)	2:38:A:LEU:HD22	2:58:A:LEU:HG	2	0.16
(1,6092)	2:38:A:LEU:HD23	2:42:A:LEU:HG	9	0.16
(1,6086)	2:38:A:LEU:HD22	2:55:A:PHE:HA	10	0.16
(1,6067)	2:40:B:ARG:HD3	2:19:B:TYR:HE1	9	0.16
(1,6047)	2:42:B:LEU:HD13	2:79:B:LEU:HD22	2	0.16
(1,6047)	2:42:B:LEU:HD13	2:79:B:LEU:HD22	10	0.16
(1,6038)	2:42:A:LEU:HD13	2:6:B:GLU:HA	9	0.16
(1,6024)	2:46:B:LEU:HD12	2:39:B:THR:H	13	0.16
(1,5971)	2:58:B:LEU:HD11	1:1921:C:LEU:HB2	7	0.16
(1,5925)	2:62:B:LEU:HD13	2:58:B:LEU:HG	9	0.16
(1,5919)	2:62:B:LEU:HD13	2:34:B:LEU:HD23	13	0.16
(1,5918)	2:62:B:LEU:HD12	1:1921:C:LEU:HD21	13	0.16
(1,5865)	2:73:A:GLN:HA	1:1914:C:VAL:HG23	3	0.16
(1,5845)	2:76:A:CYS:HA	2:73:A:GLN:HA	13	0.16
(1,5842)	2:77:B:VAL:HG22	2:77:B:VAL:HG12	8	0.16
(1,5834)	2:77:B:VAL:HG12	2:62:B:LEU:HA	16	0.16
(1,5814)	2:79:B:LEU:HD12	2:9:A:LEU:HD21	18	0.16
(1,5791)	2:82:B:ILE:HD13	2:58:B:LEU:HD11	16	0.16
(1,5784)	2:82:B:ILE:HG23	1:1929:C:VAL:H	20	0.16
(1,5777)	2:83:B:ALA:HB3	2:13:A:VAL:HG12	3	0.16
(1,5777)	2:83:B:ALA:HB3	2:13:A:VAL:HG12	11	0.16
(1,5766)	2:83:A:ALA:HB3	2:84:A:MET:HA	7	0.16
(1,5766)	2:83:A:ALA:HB2	2:84:A:MET:HA	19	0.16
(1,5745)	2:85:B:MET:HE3	2:45:B:PHE:HB2	13	0.16
(1,5660)	1:1900:C:LEU:HD21	2:50:A:THR:HB	20	0.16
(1,5660)	1:1900:C:LEU:HD22	2:50:A:THR:HB	20	0.16
(1,5660)	1:1900:C:LEU:HD23	2:50:A:THR:HB	20	0.16
(1,5654)	1:1900:C:LEU:HD21	2:78:A:PHE:HE1	16	0.16
(1,5654)	1:1900:C:LEU:HD21	2:78:A:PHE:HE2	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5654)	1:1900:C:LEU:HD22	2:78:A:PHE:HE1	16	0.16
(1,5654)	1:1900:C:LEU:HD22	2:78:A:PHE:HE2	16	0.16
(1,5654)	1:1900:C:LEU:HD23	2:78:A:PHE:HE1	16	0.16
(1,5654)	1:1900:C:LEU:HD23	2:78:A:PHE:HE2	16	0.16
(1,5652)	1:1900:C:LEU:HD21	2:59:A:MET:H	1	0.16
(1,5652)	1:1900:C:LEU:HD22	2:59:A:MET:H	1	0.16
(1,5652)	1:1900:C:LEU:HD23	2:59:A:MET:H	1	0.16
(1,5650)	1:1900:C:LEU:HD11	2:59:A:MET:H	8	0.16
(1,5650)	1:1900:C:LEU:HD12	2:59:A:MET:H	8	0.16
(1,5650)	1:1900:C:LEU:HD13	2:59:A:MET:H	8	0.16
(1,5650)	1:1900:C:LEU:HD11	2:59:A:MET:H	17	0.16
(1,5650)	1:1900:C:LEU:HD12	2:59:A:MET:H	17	0.16
(1,5650)	1:1900:C:LEU:HD13	2:59:A:MET:H	17	0.16
(1,5650)	1:1900:C:LEU:HD11	2:59:A:MET:H	18	0.16
(1,5650)	1:1900:C:LEU:HD12	2:59:A:MET:H	18	0.16
(1,5650)	1:1900:C:LEU:HD13	2:59:A:MET:H	18	0.16
(1,5616)	1:1903:C:ALA:HB1	1:1906:C:THR:HB	10	0.16
(1,5616)	1:1903:C:ALA:HB2	1:1906:C:THR:HB	10	0.16
(1,5616)	1:1903:C:ALA:HB3	1:1906:C:THR:HB	10	0.16
(1,5569)	1:1906:C:THR:HG21	1:1905:C:GLU:HG3	10	0.16
(1,5569)	1:1906:C:THR:HG22	1:1905:C:GLU:HG3	10	0.16
(1,5569)	1:1906:C:THR:HG23	1:1905:C:GLU:HG3	10	0.16
(1,5525)	1:1909:C:ALA:HB1	1:1912:C:ARG:HB3	8	0.16
(1,5525)	1:1909:C:ALA:HB2	1:1912:C:ARG:HB3	8	0.16
(1,5525)	1:1909:C:ALA:HB3	1:1912:C:ARG:HB3	8	0.16
(1,5496)	1:1910:C:MET:HE2	2:80:A:SER:HB3	15	0.16
(1,5391)	1:1914:C:VAL:HG11	2:77:B:VAL:HB	9	0.16
(1,5391)	1:1914:C:VAL:HG12	2:77:B:VAL:HB	13	0.16
(1,5363)	1:1917:C:LEU:HD21	1:1917:C:LEU:HB3	8	0.16
(1,5363)	1:1917:C:LEU:HD22	1:1917:C:LEU:HB3	8	0.16
(1,5363)	1:1917:C:LEU:HD23	1:1917:C:LEU:HB3	8	0.16
(1,5323)	1:1918:C:LYS:HB3	1:1917:C:LEU:HA	1	0.16
(1,5169)	1:1929:C:VAL:HG11	2:48:B:LYS:H	1	0.16
(1,5169)	1:1929:C:VAL:HG12	2:48:B:LYS:H	1	0.16
(1,5169)	1:1929:C:VAL:HG13	2:48:B:LYS:H	1	0.16
(1,5081)	1:1899:C:GLU:H	2:45:A:PHE:HB3	16	0.16
(1,5081)	1:1899:C:GLU:H	2:45:A:PHE:HB3	20	0.16
(1,5075)	1:1900:C:LEU:H	1:1897:C:GLN:HG3	2	0.16
(1,5021)	1:1907:C:ALA:H	2:61:A:ASN:HA	2	0.16
(1,5021)	1:1907:C:ALA:H	2:61:A:ASN:HA	3	0.16
(1,5021)	1:1907:C:ALA:H	2:61:A:ASN:HA	7	0.16
(1,5021)	1:1907:C:ALA:H	2:61:A:ASN:HA	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4879)	1:1920:C:LYS:H	1:1926:C:LEU:HG	1	0.16
(1,4631)	1:1912:C:ARG:HB3	1:1909:C:ALA:HA	20	0.16
(1,4589)	1:1918:C:LYS:HD2	1:1915:C:SER:HB2	9	0.16
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD11	19	0.16
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD12	19	0.16
(1,4570)	1:1920:C:LYS:HG3	1:1917:C:LEU:HD13	19	0.16
(1,4551)	1:1921:C:LEU:HD11	1:1918:C:LYS:HA	3	0.16
(1,4551)	1:1921:C:LEU:HD12	1:1918:C:LYS:HA	3	0.16
(1,4551)	1:1921:C:LEU:HD13	1:1918:C:LYS:HA	3	0.16
(1,4483)	2:45:B:PHE:H	1:1930:C:VAL:HA	8	0.16
(1,4478)	1:1925:C:ASP:H	1:1923:C:ARG:HG3	14	0.16
(1,4412)	2:38:B:LEU:HD21	1:1928:C:PHE:HD2	1	0.16
(1,4411)	2:46:B:LEU:HD11	1:1928:C:PHE:HD1	5	0.16
(1,4191)	2:50:B:THR:HA	1:1928:C:PHE:HD2	12	0.16
(1,4149)	2:61:B:ASN:HA	1:1921:C:LEU:HD11	6	0.16
(1,4149)	2:61:B:ASN:HA	1:1921:C:LEU:HD12	6	0.16
(1,4149)	2:61:B:ASN:HA	1:1921:C:LEU:HD13	6	0.16
(1,4068)	2:85:B:MET:HE3	1:1928:C:PHE:HE1	18	0.16
(1,4058)	2:85:B:MET:HE3	1:1930:C:VAL:HB	5	0.16
(1,4055)	2:85:B:MET:HE2	1:1918:C:LYS:HG2	11	0.16
(1,4046)	2:85:A:MET:HE2	1:1899:C:GLU:HB3	1	0.16
(1,4011)	2:46:B:LEU:HD11	1:1928:C:PHE:HD1	15	0.16
(1,4011)	2:46:B:LEU:HD11	1:1928:C:PHE:HD2	15	0.16
(1,3991)	2:58:B:LEU:HD12	1:1917:C:LEU:HD21	12	0.16
(1,3991)	2:58:B:LEU:HD12	1:1917:C:LEU:HD22	12	0.16
(1,3991)	2:58:B:LEU:HD12	1:1917:C:LEU:HD23	12	0.16
(1,3820)	2:78:A:PHE:H	2:78:A:PHE:HE1	13	0.16
(1,3820)	2:78:A:PHE:H	2:78:A:PHE:HE2	13	0.16
(1,3820)	2:78:A:PHE:H	2:78:A:PHE:HE1	14	0.16
(1,3820)	2:78:A:PHE:H	2:78:A:PHE:HE2	14	0.16
(1,3820)	2:78:A:PHE:H	2:78:A:PHE:HE1	15	0.16
(1,3820)	2:78:A:PHE:H	2:78:A:PHE:HE2	15	0.16
(1,3820)	2:78:A:PHE:H	2:78:A:PHE:HE1	20	0.16
(1,3820)	2:78:A:PHE:H	2:78:A:PHE:HE2	20	0.16
(1,3814)	2:95:B:ASP:H	2:94:B:PRO:HA	5	0.16
(1,3814)	2:95:B:ASP:H	2:94:B:PRO:HA	14	0.16
(1,3801)	2:22:A:LYS:H	2:22:A:LYS:HD2	13	0.16
(1,3796)	2:27:B:PHE:H	2:27:B:PHE:HD1	9	0.16
(1,3796)	2:27:B:PHE:H	2:27:B:PHE:HD2	9	0.16
(1,3745)	2:93:B:PHE:H	2:94:B:PRO:HA	13	0.16
(1,3716)	2:89:B:PHE:H	2:101:B:LYS:HG2	17	0.16
(1,3587)	2:69:B:GLU:H	2:68:B:ASN:HA	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3540)	2:61:B:ASN:H	1:1917:C:LEU:HD21	3	0.16
(1,3540)	2:61:B:ASN:H	1:1917:C:LEU:HD22	3	0.16
(1,3540)	2:61:B:ASN:H	1:1917:C:LEU:HD23	3	0.16
(1,3420)	2:42:B:LEU:H	2:37:B:LEU:HB3	1	0.16
(1,3420)	2:42:B:LEU:H	2:37:B:LEU:HB3	19	0.16
(1,3252)	2:2:B:ALA:H	2:4:B:PRO:HG3	3	0.16
(1,3252)	2:2:B:ALA:H	2:4:B:PRO:HG3	6	0.16
(1,3252)	2:2:B:ALA:H	2:4:B:PRO:HG3	13	0.16
(1,3252)	2:2:B:ALA:H	2:4:B:PRO:HG3	14	0.16
(1,3075)	2:74:A:GLU:H	2:70:A:VAL:HB	17	0.16
(1,3064)	2:73:A:GLN:H	2:74:A:GLU:HB3	8	0.16
(1,2993)	2:62:A:LEU:H	2:60:A:SER:HB3	5	0.16
(1,2993)	2:62:A:LEU:H	2:60:A:SER:HB3	8	0.16
(1,2988)	2:61:A:ASN:H	2:62:A:LEU:HD21	3	0.16
(1,2904)	2:51:A:ASP:H	2:46:A:LEU:HB3	8	0.16
(1,2618)	2:3:A:CYS:H	2:41:B:GLU:HG2	3	0.16
(1,2618)	2:3:A:CYS:H	2:41:B:GLU:HG2	17	0.16
(1,2618)	2:3:A:CYS:H	2:41:B:GLU:HG2	19	0.16
(1,2552)	2:5:A:LEU:HD23	2:79:B:LEU:HD22	12	0.16
(1,2331)	2:11:A:VAL:HG11	2:7:A:LYS:HG3	6	0.16
(1,2299)	2:12:A:MET:HG3	2:5:B:LEU:HD23	2	0.16
(1,2277)	2:12:B:MET:HE1	2:75:B:TYR:HE1	20	0.16
(1,2277)	2:12:B:MET:HE1	2:75:B:TYR:HE2	20	0.16
(1,2271)	2:12:B:MET:HE3	2:79:B:LEU:HA	19	0.16
(1,2110)	2:19:B:TYR:HA	2:22:B:LYS:HD2	5	0.16
(1,2110)	2:19:B:TYR:HA	2:22:B:LYS:HD2	15	0.16
(1,2086)	2:22:B:LYS:HB2	2:19:B:TYR:HA	2	0.16
(1,2045)	2:28:A:LYS:HA	2:75:A:TYR:HD1	6	0.16
(1,2045)	2:28:A:LYS:HA	2:75:A:TYR:HD2	6	0.16
(1,1937)	2:34:B:LEU:HD13	2:62:B:LEU:HD22	16	0.16
(1,1812)	2:36:A:GLU:HG3	2:40:A:ARG:HG3	11	0.16
(1,1800)	2:36:A:GLU:HG2	2:33:A:GLU:HA	9	0.16
(1,1800)	2:36:A:GLU:HG2	2:33:A:GLU:HA	17	0.16
(1,1764)	2:38:B:LEU:HD22	2:62:B:LEU:HD22	14	0.16
(1,1762)	2:38:B:LEU:HD13	2:62:B:LEU:HD22	9	0.16
(1,1737)	2:38:B:LEU:HD12	2:55:B:PHE:HE1	9	0.16
(1,1737)	2:38:B:LEU:HD12	2:55:B:PHE:HE2	9	0.16
(1,1713)	2:38:A:LEU:HD11	2:42:A:LEU:HB2	19	0.16
(1,1709)	2:38:A:LEU:HD13	2:42:A:LEU:HD23	12	0.16
(1,1698)	2:38:A:LEU:HD11	2:78:A:PHE:HD1	11	0.16
(1,1698)	2:38:A:LEU:HD11	2:78:A:PHE:HD2	11	0.16
(1,1661)	2:39:A:THR:HG23	2:55:A:PHE:HE2	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1661)	2:39:A:THR:HG21	2:55:A:PHE:HE1	10	0.16
(1,1602)	2:42:B:LEU:HD11	2:6:A:GLU:HA	16	0.16
(1,1597)	2:42:B:LEU:HD11	2:43:B:PRO:HD3	9	0.16
(1,1591)	2:42:B:LEU:HD11	2:6:A:GLU:HB2	5	0.16
(1,1567)	2:42:A:LEU:HD13	2:78:A:PHE:HE1	1	0.16
(1,1567)	2:42:A:LEU:HD13	2:78:A:PHE:HE2	1	0.16
(1,1567)	2:42:A:LEU:HD13	2:78:A:PHE:HE1	6	0.16
(1,1567)	2:42:A:LEU:HD13	2:78:A:PHE:HE2	6	0.16
(1,1504)	2:46:B:LEU:HD22	2:46:B:LEU:HG	7	0.16
(1,1504)	2:46:B:LEU:HD22	2:46:B:LEU:HG	11	0.16
(1,1504)	2:46:B:LEU:HD22	2:46:B:LEU:HG	20	0.16
(1,1465)	2:46:A:LEU:HD22	2:55:A:PHE:HE1	7	0.16
(1,1431)	2:48:A:LYS:HB3	2:49:A:ARG:H	9	0.16
(1,1420)	2:49:B:ARG:HD3	2:46:B:LEU:HB2	3	0.16
(1,1420)	2:49:B:ARG:HD3	2:46:B:LEU:HB2	12	0.16
(1,1408)	2:49:A:ARG:HD2	2:54:A:ALA:HB2	17	0.16
(1,1378)	2:50:A:THR:HG23	1:1897:C:GLN:HE22	7	0.16
(1,1326)	2:53:B:ALA:HA	2:56:B:GLN:HB3	10	0.16
(1,1326)	2:53:B:ALA:HA	2:56:B:GLN:HB3	15	0.16
(1,1285)	2:54:A:ALA:HB3	2:53:A:ALA:H	7	0.16
(1,1201)	2:58:B:LEU:HD11	1:1928:C:PHE:HZ	7	0.16
(1,1097)	2:59:B:MET:HE2	2:68:B:ASN:HD21	17	0.16
(1,1080)	2:59:B:MET:HE2	2:59:B:MET:HG2	6	0.16
(1,1080)	2:59:B:MET:HE2	2:59:B:MET:HG2	10	0.16
(1,1080)	2:59:B:MET:HE2	2:59:B:MET:HG2	13	0.16
(1,1080)	2:59:B:MET:HE2	2:59:B:MET:HG2	17	0.16
(1,1049)	2:59:A:MET:HE3	2:71:A:ASP:H	1	0.16
(1,1049)	2:59:A:MET:HE3	2:71:A:ASP:H	17	0.16
(1,1045)	2:59:A:MET:HE2	2:31:A:LYS:H	14	0.16
(1,1043)	2:59:A:MET:HE1	2:60:A:SER:H	11	0.16
(1,1043)	2:59:A:MET:HE3	2:60:A:SER:H	20	0.16
(1,1035)	2:59:A:MET:HE2	2:30:A:ASN:HB2	2	0.16
(1,1033)	2:59:A:MET:HE2	2:68:A:ASN:HB2	2	0.16
(1,942)	2:62:B:LEU:HD22	2:74:B:GLU:HG3	11	0.16
(1,942)	2:62:B:LEU:HD21	2:74:B:GLU:HG3	16	0.16
(1,904)	2:62:A:LEU:HD13	2:58:A:LEU:HA	12	0.16
(1,785)	2:70:B:VAL:HG21	2:29:B:LEU:HD11	20	0.16
(1,778)	2:70:B:VAL:HG11	2:62:B:LEU:HB2	8	0.16
(1,744)	2:70:A:VAL:HG23	2:75:A:TYR:H	11	0.16
(1,717)	2:70:B:VAL:HG11	2:78:B:PHE:HE1	9	0.16
(1,717)	2:70:B:VAL:HG11	2:78:B:PHE:HE2	9	0.16
(1,717)	2:70:B:VAL:HG12	2:78:B:PHE:HE1	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,717)	2:70:B:VAL:HG12	2:78:B:PHE:HE2	12	0.16
(1,628)	2:76:B:CYS:HA	2:12:B:MET:HA	1	0.16
(1,628)	2:76:B:CYS:HA	2:12:B:MET:HA	5	0.16
(1,611)	2:77:B:VAL:HG13	2:77:B:VAL:HB	5	0.16
(1,611)	2:77:B:VAL:HG13	2:77:B:VAL:HB	11	0.16
(1,611)	2:77:B:VAL:HG12	2:77:B:VAL:HB	14	0.16
(1,611)	2:77:B:VAL:HG11	2:77:B:VAL:HB	15	0.16
(1,583)	2:77:A:VAL:HG22	1:1910:C:MET:HG2	10	0.16
(1,518)	2:79:B:LEU:HD12	2:5:A:LEU:HD11	18	0.16
(1,506)	2:79:B:LEU:HD22	2:75:B:TYR:HE1	11	0.16
(1,506)	2:79:B:LEU:HD22	2:75:B:TYR:HE2	11	0.16
(1,490)	2:79:B:LEU:HD11	2:83:A:ALA:H	2	0.16
(1,490)	2:79:B:LEU:HD11	2:83:A:ALA:H	5	0.16
(1,472)	2:79:A:LEU:HD21	2:75:A:TYR:HE1	18	0.16
(1,472)	2:79:A:LEU:HD21	2:75:A:TYR:HE2	18	0.16
(1,457)	2:79:A:LEU:HD23	2:5:B:LEU:HB2	20	0.16
(1,353)	2:82:B:ILE:HG21	1:1928:C:PHE:HZ	6	0.16
(1,353)	2:82:B:ILE:HG21	1:1928:C:PHE:HZ	19	0.16
(1,315)	2:82:A:ILE:HD13	2:42:A:LEU:HD21	5	0.16
(1,315)	2:82:A:ILE:HD13	2:42:A:LEU:HD22	8	0.16
(1,315)	2:82:A:ILE:HD13	2:42:A:LEU:HD21	19	0.16
(1,286)	2:83:A:ALA:HA	2:9:B:LEU:HD21	9	0.16
(1,251)	2:84:B:MET:HE1	2:81:B:CYS:HA	2	0.16
(1,235)	2:84:B:MET:HA	2:72:A:PHE:HE1	18	0.16
(1,235)	2:84:B:MET:HA	2:72:A:PHE:HE2	18	0.16
(1,209)	2:84:A:MET:HE1	2:73:B:GLN:HA	10	0.16
(1,170)	2:85:B:MET:HE2	2:82:B:ILE:HA	12	0.16
(1,149)	2:85:A:MET:HE1	2:45:A:PHE:HA	13	0.16
(1,146)	2:85:A:MET:HE2	1:1900:C:LEU:HA	2	0.16
(1,146)	2:85:A:MET:HE2	1:1900:C:LEU:HA	20	0.16
(1,135)	2:85:A:MET:HE3	2:82:A:ILE:HG21	13	0.16
(2,49)	1:1935:C:ALA:HB1	1:1932:C:ARG:HA	4	0.15
(2,49)	1:1935:C:ALA:HB2	1:1932:C:ARG:HA	4	0.15
(2,49)	1:1935:C:ALA:HB3	1:1932:C:ARG:HA	4	0.15
(2,49)	1:1935:C:ALA:HB1	1:1932:C:ARG:HA	14	0.15
(2,49)	1:1935:C:ALA:HB2	1:1932:C:ARG:HA	14	0.15
(2,49)	1:1935:C:ALA:HB3	1:1932:C:ARG:HA	14	0.15
(2,46)	1:1916:C:SER:H	1:1912:C:ARG:HB2	2	0.15
(2,15)	2:35:A:LYS:HE3	2:50:A:THR:HB	11	0.15
(2,15)	2:35:A:LYS:HE3	2:50:A:THR:HB	12	0.15
(2,1)	2:91:B:GLU:HA	2:27:A:PHE:HD1	1	0.15
(2,1)	2:91:B:GLU:HA	2:27:A:PHE:HD2	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7018)	2:19:A:TYR:HE2	2:41:A:GLU:HB2	14	0.15
(1,6999)	2:27:A:PHE:HE2	2:27:A:PHE:HD2	13	0.15
(1,6975)	2:78:B:PHE:HD2	1:1921:C:LEU:HD12	12	0.15
(1,6975)	2:78:B:PHE:HD1	1:1921:C:LEU:HD13	15	0.15
(1,6949)	2:80:B:SER:H	2:79:B:LEU:HD21	9	0.15
(1,6921)	2:59:B:MET:H	2:58:B:LEU:HD22	17	0.15
(1,6841)	2:80:A:SER:H	2:77:A:VAL:HG21	14	0.15
(1,6815)	2:62:A:LEU:H	1:1908:C:ASP:H	20	0.15
(1,6811)	2:61:A:ASN:H	2:57:A:LYS:HD2	10	0.15
(1,6799)	2:49:A:ARG:H	2:48:A:LYS:HA	17	0.15
(1,6790)	2:41:A:GLU:H	2:19:A:TYR:HE2	8	0.15
(1,6771)	2:28:A:LYS:H	2:17:A:HIS:HA	18	0.15
(1,6717)	2:23:B:GLU:H	2:23:B:GLU:HG2	9	0.15
(1,6701)	2:99:A:ARG:H	2:99:A:ARG:HB3	12	0.15
(1,6621)	2:2:A:ALA:HB1	2:6:A:GLU:HB3	16	0.15
(1,6601)	2:5:A:LEU:HD23	2:12:B:MET:HE1	9	0.15
(1,6592)	2:5:B:LEU:HD23	2:79:A:LEU:HG	12	0.15
(1,6592)	2:5:B:LEU:HD22	2:79:A:LEU:HG	19	0.15
(1,6569)	2:22:B:LYS:HD3	2:19:B:TYR:HA	12	0.15
(1,6556)	2:8:A:ALA:HB1	2:11:B:VAL:HA	2	0.15
(1,6555)	2:8:B:ALA:HB2	2:6:B:GLU:HA	5	0.15
(1,6555)	2:8:A:ALA:HB2	2:6:A:GLU:HA	18	0.15
(1,6553)	2:8:B:ALA:HB2	2:5:B:LEU:HA	9	0.15
(1,6533)	2:8:B:ALA:HA	2:11:B:VAL:HG13	10	0.15
(1,6533)	2:8:B:ALA:HA	2:11:B:VAL:HG13	16	0.15
(1,6516)	2:9:B:LEU:HD21	2:12:B:MET:HG3	2	0.15
(1,6516)	2:9:B:LEU:HD21	2:12:B:MET:HG3	7	0.15
(1,6489)	2:11:A:VAL:HG13	2:8:A:ALA:H	1	0.15
(1,6489)	2:11:A:VAL:HG11	2:8:A:ALA:H	9	0.15
(1,6437)	2:12:B:MET:HE2	2:79:A:LEU:HB3	13	0.15
(1,6428)	2:13:B:VAL:HG21	2:72:B:PHE:HZ	2	0.15
(1,6369)	2:19:B:TYR:HA	2:22:B:LYS:HD2	11	0.15
(1,6291)	2:26:A:LYS:HG2	2:21:A:GLY:HA2	15	0.15
(1,6243)	2:29:B:LEU:HD11	2:34:B:LEU:HD21	2	0.15
(1,6239)	2:29:A:LEU:HD11	2:59:A:MET:HE1	2	0.15
(1,6235)	2:29:A:LEU:HD12	2:34:A:LEU:H	9	0.15
(1,6195)	2:33:A:GLU:HA	2:37:A:LEU:HD12	11	0.15
(1,6175)	2:34:A:LEU:HD11	2:78:A:PHE:HB3	18	0.15
(1,6175)	2:34:A:LEU:HD11	2:78:A:PHE:HB3	20	0.15
(1,6143)	2:37:A:LEU:HD12	2:19:A:TYR:HA	4	0.15
(1,6136)	2:37:B:LEU:HD11	2:36:B:GLU:HB3	10	0.15
(1,6094)	2:38:A:LEU:HD22	2:58:A:LEU:HD22	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6092)	2:38:A:LEU:HD21	2:42:A:LEU:HG	3	0.15
(1,6091)	2:38:A:LEU:HD11	2:34:A:LEU:HG	20	0.15
(1,6087)	2:38:A:LEU:HD22	2:39:A:THR:HA	7	0.15
(1,6070)	2:39:A:THR:HG22	2:46:A:LEU:HB3	20	0.15
(1,6040)	2:42:A:LEU:HD11	2:6:B:GLU:H	16	0.15
(1,6031)	2:42:A:LEU:HD12	2:38:A:LEU:HB3	6	0.15
(1,6024)	2:46:B:LEU:HD12	2:39:B:THR:H	5	0.15
(1,6023)	2:46:B:LEU:HD12	2:45:B:PHE:H	14	0.15
(1,6023)	2:46:B:LEU:HD12	2:45:B:PHE:H	16	0.15
(1,6009)	2:49:B:ARG:HG3	2:35:B:LYS:HD2	10	0.15
(1,6001)	2:22:A:LYS:HE3	2:20:A:SER:H	12	0.15
(1,5980)	2:56:A:GLN:HG2	2:57:A:LYS:HE3	11	0.15
(1,5949)	2:59:A:MET:HE1	2:30:A:ASN:H	7	0.15
(1,5943)	2:59:A:MET:HE3	2:58:A:LEU:HG	12	0.15
(1,5929)	2:62:B:LEU:HD13	1:1918:C:LYS:HA	4	0.15
(1,5918)	2:62:B:LEU:HD12	1:1921:C:LEU:HD21	18	0.15
(1,5903)	2:29:A:LEU:HD21	2:19:A:TYR:HB2	17	0.15
(1,5832)	2:77:B:VAL:HA	2:79:B:LEU:HA	14	0.15
(1,5832)	2:77:B:VAL:HA	2:79:B:LEU:HA	15	0.15
(1,5815)	2:79:B:LEU:HD21	2:9:A:LEU:HD22	3	0.15
(1,5809)	2:79:A:LEU:HD12	2:13:A:VAL:H	17	0.15
(1,5784)	2:82:B:ILE:HG21	1:1929:C:VAL:H	14	0.15
(1,5778)	2:83:B:ALA:HB2	2:12:A:MET:HE1	5	0.15
(1,5777)	2:83:B:ALA:HB3	2:13:A:VAL:HG12	8	0.15
(1,5766)	2:83:A:ALA:HB1	2:84:A:MET:HA	3	0.15
(1,5766)	2:83:A:ALA:HB2	2:84:A:MET:HA	9	0.15
(1,5766)	2:83:A:ALA:HB1	2:84:A:MET:HA	11	0.15
(1,5766)	2:83:A:ALA:HB2	2:84:A:MET:HA	15	0.15
(1,5766)	2:83:A:ALA:HB3	2:84:A:MET:HA	18	0.15
(1,5764)	2:83:A:ALA:HB2	2:72:B:PHE:HE1	11	0.15
(1,5764)	2:83:A:ALA:HB1	2:72:B:PHE:HE1	12	0.15
(1,5761)	2:83:A:ALA:HB3	2:80:A:SER:H	11	0.15
(1,5754)	2:84:A:MET:HE1	2:83:A:ALA:H	6	0.15
(1,5660)	1:1900:C:LEU:HD21	2:50:A:THR:HB	3	0.15
(1,5660)	1:1900:C:LEU:HD22	2:50:A:THR:HB	3	0.15
(1,5660)	1:1900:C:LEU:HD23	2:50:A:THR:HB	3	0.15
(1,5654)	1:1900:C:LEU:HD21	2:78:A:PHE:HE1	8	0.15
(1,5654)	1:1900:C:LEU:HD21	2:78:A:PHE:HE2	8	0.15
(1,5654)	1:1900:C:LEU:HD22	2:78:A:PHE:HE1	8	0.15
(1,5654)	1:1900:C:LEU:HD22	2:78:A:PHE:HE2	8	0.15
(1,5654)	1:1900:C:LEU:HD23	2:78:A:PHE:HE1	8	0.15
(1,5654)	1:1900:C:LEU:HD23	2:78:A:PHE:HE2	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5650)	1:1900:C:LEU:HD11	2:59:A:MET:H	10	0.15
(1,5650)	1:1900:C:LEU:HD12	2:59:A:MET:H	10	0.15
(1,5650)	1:1900:C:LEU:HD13	2:59:A:MET:H	10	0.15
(1,5650)	1:1900:C:LEU:HD11	2:59:A:MET:H	12	0.15
(1,5650)	1:1900:C:LEU:HD12	2:59:A:MET:H	12	0.15
(1,5650)	1:1900:C:LEU:HD13	2:59:A:MET:H	12	0.15
(1,5650)	1:1900:C:LEU:HD11	2:59:A:MET:H	14	0.15
(1,5650)	1:1900:C:LEU:HD12	2:59:A:MET:H	14	0.15
(1,5650)	1:1900:C:LEU:HD13	2:59:A:MET:H	14	0.15
(1,5621)	1:1903:C:ALA:HB1	1:1899:C:GLU:HG3	3	0.15
(1,5621)	1:1903:C:ALA:HB2	1:1899:C:GLU:HG3	3	0.15
(1,5621)	1:1903:C:ALA:HB3	1:1899:C:GLU:HG3	3	0.15
(1,5616)	1:1903:C:ALA:HB1	1:1906:C:THR:HB	18	0.15
(1,5616)	1:1903:C:ALA:HB2	1:1906:C:THR:HB	18	0.15
(1,5616)	1:1903:C:ALA:HB3	1:1906:C:THR:HB	18	0.15
(1,5506)	1:1910:C:MET:HE2	2:80:A:SER:H	3	0.15
(1,5344)	1:1917:C:LEU:HD22	2:62:B:LEU:HA	10	0.15
(1,5191)	1:1929:C:VAL:HG11	1:1931:C:PRO:HD3	1	0.15
(1,5191)	1:1929:C:VAL:HG12	1:1931:C:PRO:HD3	1	0.15
(1,5191)	1:1929:C:VAL:HG13	1:1931:C:PRO:HD3	1	0.15
(1,5191)	1:1929:C:VAL:HG11	1:1931:C:PRO:HD3	7	0.15
(1,5191)	1:1929:C:VAL:HG12	1:1931:C:PRO:HD3	7	0.15
(1,5191)	1:1929:C:VAL:HG13	1:1931:C:PRO:HD3	7	0.15
(1,5191)	1:1929:C:VAL:HG11	1:1931:C:PRO:HD3	17	0.15
(1,5191)	1:1929:C:VAL:HG12	1:1931:C:PRO:HD3	17	0.15
(1,5191)	1:1929:C:VAL:HG13	1:1931:C:PRO:HD3	17	0.15
(1,5178)	1:1929:C:VAL:HG11	2:45:B:PHE:HA	11	0.15
(1,5178)	1:1929:C:VAL:HG12	2:45:B:PHE:HA	11	0.15
(1,5178)	1:1929:C:VAL:HG13	2:45:B:PHE:HA	11	0.15
(1,5178)	1:1929:C:VAL:HG11	2:45:B:PHE:HA	14	0.15
(1,5178)	1:1929:C:VAL:HG12	2:45:B:PHE:HA	14	0.15
(1,5178)	1:1929:C:VAL:HG13	2:45:B:PHE:HA	14	0.15
(1,5178)	1:1929:C:VAL:HG11	2:45:B:PHE:HA	20	0.15
(1,5178)	1:1929:C:VAL:HG12	2:45:B:PHE:HA	20	0.15
(1,5178)	1:1929:C:VAL:HG13	2:45:B:PHE:HA	20	0.15
(1,5163)	1:1930:C:VAL:HG11	2:85:B:MET:HE3	8	0.15
(1,5163)	1:1930:C:VAL:HG12	2:85:B:MET:HE3	8	0.15
(1,5163)	1:1930:C:VAL:HG13	2:85:B:MET:HE3	8	0.15
(1,5115)	1:1934:C:MET:HE1	1:1933:C:ARG:HA	16	0.15
(1,5115)	1:1934:C:MET:HE2	1:1933:C:ARG:HA	16	0.15
(1,5115)	1:1934:C:MET:HE3	1:1933:C:ARG:HA	16	0.15
(1,5115)	1:1934:C:MET:HE1	1:1933:C:ARG:HA	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5115)	1:1934:C:MET:HE2	1:1933:C:ARG:HA	17	0.15
(1,5115)	1:1934:C:MET:HE3	1:1933:C:ARG:HA	17	0.15
(1,5081)	1:1899:C:GLU:H	2:45:A:PHE:HB3	14	0.15
(1,5021)	1:1907:C:ALA:H	2:61:A:ASN:HA	8	0.15
(1,5021)	1:1907:C:ALA:H	2:61:A:ASN:HA	11	0.15
(1,4928)	1:1916:C:SER:H	1:1916:C:SER:HB3	19	0.15
(1,4898)	1:1919:C:ASN:H	1:1918:C:LYS:HB3	19	0.15
(1,4882)	1:1920:C:LYS:H	1:1918:C:LYS:HB3	17	0.15
(1,4879)	1:1920:C:LYS:H	1:1926:C:LEU:HG	20	0.15
(1,4846)	1:1926:C:LEU:H	2:54:B:ALA:HA	11	0.15
(1,4841)	1:1926:C:LEU:H	1:1926:C:LEU:HG	4	0.15
(1,4599)	1:1917:C:LEU:HD21	1:1914:C:VAL:HA	2	0.15
(1,4599)	1:1917:C:LEU:HD22	1:1914:C:VAL:HA	2	0.15
(1,4599)	1:1917:C:LEU:HD23	1:1914:C:VAL:HA	2	0.15
(1,4593)	1:1914:C:VAL:H	1:1915:C:SER:HB2	12	0.15
(1,4589)	1:1918:C:LYS:HD2	1:1915:C:SER:HB2	2	0.15
(1,4589)	1:1918:C:LYS:HD2	1:1915:C:SER:HB2	4	0.15
(1,4589)	1:1918:C:LYS:HD2	1:1915:C:SER:HB2	11	0.15
(1,4490)	1:1924:C:GLY:H	1:1921:C:LEU:HA	12	0.15
(1,4483)	2:45:B:PHE:H	1:1930:C:VAL:HA	1	0.15
(1,4483)	2:45:B:PHE:H	1:1930:C:VAL:HA	18	0.15
(1,4390)	1:1928:C:PHE:HZ	1:1929:C:VAL:HG11	12	0.15
(1,4390)	1:1928:C:PHE:HZ	1:1929:C:VAL:HG12	12	0.15
(1,4390)	1:1928:C:PHE:HZ	1:1929:C:VAL:HG13	12	0.15
(1,4192)	2:84:A:MET:HE3	1:1910:C:MET:HB2	2	0.15
(1,4149)	2:61:B:ASN:HA	1:1921:C:LEU:HD11	11	0.15
(1,4149)	2:61:B:ASN:HA	1:1921:C:LEU:HD12	11	0.15
(1,4149)	2:61:B:ASN:HA	1:1921:C:LEU:HD13	11	0.15
(1,4120)	2:77:B:VAL:HG12	1:1917:C:LEU:H	1	0.15
(1,4038)	2:85:A:MET:HB2	1:1903:C:ALA:HB1	1	0.15
(1,4038)	2:85:A:MET:HB2	1:1903:C:ALA:HB2	1	0.15
(1,4038)	2:85:A:MET:HB2	1:1903:C:ALA:HB3	1	0.15
(1,4038)	2:85:A:MET:HB2	1:1903:C:ALA:HB1	12	0.15
(1,4038)	2:85:A:MET:HB2	1:1903:C:ALA:HB2	12	0.15
(1,4038)	2:85:A:MET:HB2	1:1903:C:ALA:HB3	12	0.15
(1,4005)	2:58:B:LEU:HD23	1:1928:C:PHE:HB2	1	0.15
(1,3948)	2:77:A:VAL:HG13	1:1910:C:MET:HA	20	0.15
(1,3879)	2:72:B:PHE:HE1	2:75:B:TYR:HE1	2	0.15
(1,3879)	2:72:B:PHE:HE1	2:75:B:TYR:HE2	2	0.15
(1,3879)	2:72:B:PHE:HE2	2:75:B:TYR:HE1	2	0.15
(1,3879)	2:72:B:PHE:HE2	2:75:B:TYR:HE2	2	0.15
(1,3820)	2:78:A:PHE:H	2:78:A:PHE:HE1	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3820)	2:78:A:PHE:H	2:78:A:PHE:HE2	6	0.15
(1,3814)	2:95:B:ASP:H	2:94:B:PRO:HA	20	0.15
(1,3764)	2:97:B:GLN:H	2:96:B:LYS:HA	4	0.15
(1,3750)	2:93:B:PHE:H	2:101:B:LYS:HG3	20	0.15
(1,3716)	2:89:B:PHE:H	2:101:B:LYS:HG2	2	0.15
(1,3482)	2:52:B:GLU:H	2:51:B:ASP:HB3	3	0.15
(1,3420)	2:42:B:LEU:H	2:37:B:LEU:HB3	10	0.15
(1,3236)	2:96:A:LYS:H	2:93:A:PHE:HB2	7	0.15
(1,3228)	2:95:A:ASP:H	2:93:A:PHE:HA	9	0.15
(1,3075)	2:74:A:GLU:H	2:70:A:VAL:HB	1	0.15
(1,3075)	2:74:A:GLU:H	2:70:A:VAL:HB	11	0.15
(1,2995)	2:62:A:LEU:H	2:57:A:LYS:HE2	8	0.15
(1,2904)	2:51:A:ASP:H	2:46:A:LEU:HB3	10	0.15
(1,2904)	2:51:A:ASP:H	2:46:A:LEU:HB3	12	0.15
(1,2738)	2:22:B:LYS:H	2:22:B:LYS:HD2	13	0.15
(1,2618)	2:3:A:CYS:H	2:41:B:GLU:HG2	8	0.15
(1,2600)	2:29:A:LEU:H	2:27:A:PHE:HD1	1	0.15
(1,2600)	2:29:A:LEU:H	2:27:A:PHE:HD2	1	0.15
(1,2565)	2:2:B:ALA:HB1	2:4:B:PRO:HD3	5	0.15
(1,2552)	2:5:A:LEU:HD22	2:79:B:LEU:HD22	4	0.15
(1,2552)	2:5:A:LEU:HD22	2:79:B:LEU:HD22	10	0.15
(1,2312)	2:12:A:MET:HE3	2:78:A:PHE:HD1	10	0.15
(1,2312)	2:12:A:MET:HE3	2:78:A:PHE:HD2	10	0.15
(1,2278)	2:12:B:MET:HE1	2:12:B:MET:H	14	0.15
(1,2271)	2:12:B:MET:HE3	2:79:B:LEU:HA	5	0.15
(1,2268)	2:12:B:MET:HE3	2:12:B:MET:HG2	17	0.15
(1,2225)	2:13:A:VAL:HG11	2:16:A:PHE:HB2	14	0.15
(1,2222)	2:13:A:VAL:HG12	2:13:A:VAL:HG23	15	0.15
(1,2134)	2:18:B:LYS:HE2	2:18:B:LYS:HG2	17	0.15
(1,2110)	2:19:B:TYR:HA	2:22:B:LYS:HD2	11	0.15
(1,2087)	2:22:A:LYS:HB2	2:19:A:TYR:HA	2	0.15
(1,2015)	2:29:B:LEU:HD12	2:27:B:PHE:HD1	12	0.15
(1,2015)	2:29:B:LEU:HD12	2:27:B:PHE:HD2	12	0.15
(1,2014)	2:29:A:LEU:HD13	2:27:A:PHE:HD1	15	0.15
(1,2014)	2:29:A:LEU:HD13	2:27:A:PHE:HD2	15	0.15
(1,2010)	2:29:B:LEU:HD11	2:34:B:LEU:H	7	0.15
(1,2010)	2:29:B:LEU:HD13	2:34:B:LEU:H	13	0.15
(1,1937)	2:34:B:LEU:HD13	2:62:B:LEU:HD22	12	0.15
(1,1930)	2:34:B:LEU:HD12	2:59:B:MET:HG3	19	0.15
(1,1898)	2:34:A:LEU:HD12	2:59:A:MET:HG2	16	0.15
(1,1800)	2:36:A:GLU:HG2	2:33:A:GLU:HA	7	0.15
(1,1800)	2:36:A:GLU:HG2	2:33:A:GLU:HA	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1757)	2:38:B:LEU:HD22	2:38:B:LEU:HG	3	0.15
(1,1757)	2:38:B:LEU:HD23	2:38:B:LEU:HG	9	0.15
(1,1737)	2:38:B:LEU:HD12	2:55:B:PHE:HE1	12	0.15
(1,1737)	2:38:B:LEU:HD12	2:55:B:PHE:HE2	12	0.15
(1,1700)	2:38:A:LEU:HD22	2:55:A:PHE:HE1	10	0.15
(1,1700)	2:38:A:LEU:HD22	2:55:A:PHE:HE2	10	0.15
(1,1699)	2:38:A:LEU:HD21	2:46:A:LEU:H	3	0.15
(1,1698)	2:38:A:LEU:HD13	2:78:A:PHE:HD1	7	0.15
(1,1698)	2:38:A:LEU:HD13	2:78:A:PHE:HD2	7	0.15
(1,1607)	2:42:B:LEU:HD11	2:45:B:PHE:HE1	7	0.15
(1,1607)	2:42:B:LEU:HD11	2:45:B:PHE:HE2	7	0.15
(1,1592)	2:35:B:LYS:HG2	2:36:B:GLU:HG2	7	0.15
(1,1554)	2:42:A:LEU:HD13	2:41:A:GLU:HB2	9	0.15
(1,1543)	2:42:A:LEU:HD12	2:82:A:ILE:HD12	9	0.15
(1,1504)	2:46:B:LEU:HD22	2:46:B:LEU:HG	4	0.15
(1,1504)	2:46:B:LEU:HD22	2:46:B:LEU:HG	5	0.15
(1,1504)	2:46:B:LEU:HD22	2:46:B:LEU:HG	9	0.15
(1,1504)	2:46:B:LEU:HD22	2:46:B:LEU:HG	13	0.15
(1,1504)	2:46:B:LEU:HD22	2:46:B:LEU:HG	14	0.15
(1,1504)	2:46:B:LEU:HD22	2:46:B:LEU:HG	17	0.15
(1,1504)	2:46:B:LEU:HD22	2:46:B:LEU:HG	19	0.15
(1,1460)	2:46:A:LEU:HD22	2:47:A:GLY:H	1	0.15
(1,1460)	2:46:A:LEU:HD23	2:47:A:GLY:H	17	0.15
(1,1420)	2:49:B:ARG:HD3	2:46:B:LEU:HB2	5	0.15
(1,1420)	2:49:B:ARG:HD3	2:46:B:LEU:HB2	13	0.15
(1,1420)	2:49:B:ARG:HD3	2:46:B:LEU:HB2	18	0.15
(1,1420)	2:49:B:ARG:HD3	2:46:B:LEU:HB2	20	0.15
(1,1326)	2:53:B:ALA:HA	2:56:B:GLN:HB3	4	0.15
(1,1322)	2:53:A:ALA:HB1	2:56:A:GLN:HE22	19	0.15
(1,1321)	2:53:A:ALA:HB1	2:55:A:PHE:HD1	5	0.15
(1,1321)	2:53:A:ALA:HB1	2:55:A:PHE:HD2	5	0.15
(1,1270)	2:56:B:GLN:HB2	2:57:B:LYS:HB2	1	0.15
(1,1270)	2:56:B:GLN:HB2	2:57:B:LYS:HB2	9	0.15
(1,1092)	2:59:B:MET:HE1	2:61:B:ASN:H	12	0.15
(1,1080)	2:59:B:MET:HE2	2:59:B:MET:HG2	5	0.15
(1,1077)	2:59:B:MET:HE1	2:31:B:LYS:HG2	9	0.15
(1,1033)	2:59:A:MET:HE2	2:68:A:ASN:HB2	4	0.15
(1,820)	2:68:B:ASN:HB2	2:69:B:GLU:HG2	11	0.15
(1,778)	2:70:B:VAL:HG13	2:62:B:LEU:HB2	2	0.15
(1,742)	2:70:A:VAL:HG22	2:58:A:LEU:HG	2	0.15
(1,717)	2:70:B:VAL:HG12	2:78:B:PHE:HE1	5	0.15
(1,717)	2:70:B:VAL:HG12	2:78:B:PHE:HE2	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,679)	2:72:A:PHE:HA	2:72:A:PHE:HD1	1	0.15
(1,679)	2:72:A:PHE:HA	2:72:A:PHE:HD2	1	0.15
(1,628)	2:76:B:CYS:HA	2:12:B:MET:HA	3	0.15
(1,612)	2:77:B:VAL:HG21	2:77:B:VAL:HB	4	0.15
(1,611)	2:77:B:VAL:HG11	2:77:B:VAL:HB	9	0.15
(1,611)	2:77:B:VAL:HG11	2:77:B:VAL:HB	10	0.15
(1,611)	2:77:B:VAL:HG11	2:77:B:VAL:HB	18	0.15
(1,610)	2:77:B:VAL:HG11	2:73:B:GLN:HG2	3	0.15
(1,531)	2:79:B:LEU:HD21	2:79:B:LEU:HA	19	0.15
(1,517)	2:79:B:LEU:HD12	2:9:A:LEU:HD11	13	0.15
(1,506)	2:79:B:LEU:HD22	2:75:B:TYR:HE1	7	0.15
(1,506)	2:79:B:LEU:HD22	2:75:B:TYR:HE2	7	0.15
(1,452)	2:79:A:LEU:HD23	2:82:A:ILE:HG13	7	0.15
(1,452)	2:79:A:LEU:HD23	2:82:A:ILE:HG13	8	0.15
(1,331)	2:82:A:ILE:HG23	2:45:A:PHE:HE1	8	0.15
(1,331)	2:82:A:ILE:HG23	2:45:A:PHE:HE2	8	0.15
(1,266)	2:83:A:ALA:HB1	2:76:B:CYS:H	3	0.15
(1,254)	2:84:B:MET:HE1	2:81:B:CYS:H	7	0.15
(1,214)	2:84:A:MET:HE1	2:72:B:PHE:HE1	13	0.15
(1,214)	2:84:A:MET:HE1	2:72:B:PHE:HE2	13	0.15
(1,209)	2:84:A:MET:HE1	2:73:B:GLN:HA	15	0.15
(1,171)	2:85:B:MET:HE2	1:1918:C:LYS:HA	14	0.15
(1,165)	2:85:B:MET:HE1	1:1921:C:LEU:HB3	19	0.15
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG21	2	0.15
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG22	2	0.15
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG23	2	0.15
(1,146)	2:85:A:MET:HE2	1:1900:C:LEU:HA	3	0.15
(1,145)	2:85:A:MET:HE3	2:82:A:ILE:HA	13	0.15
(1,144)	2:85:A:MET:HE2	2:85:A:MET:HG2	3	0.15
(1,144)	2:85:A:MET:HE2	2:85:A:MET:HG2	10	0.15
(1,85)	2:87:B:ASN:HA	2:72:A:PHE:HZ	18	0.15
(2,46)	1:1916:C:SER:H	1:1912:C:ARG:HB2	15	0.14
(2,46)	1:1916:C:SER:H	1:1912:C:ARG:HB2	16	0.14
(2,45)	1:1918:C:LYS:H	1:1916:C:SER:HB2	3	0.14
(2,18)	2:28:A:LYS:HD3	2:20:A:SER:HB2	2	0.14
(2,18)	2:28:A:LYS:HD3	2:20:A:SER:HB2	13	0.14
(2,18)	2:28:A:LYS:HD3	2:20:A:SER:HB2	20	0.14
(2,17)	2:31:B:LYS:HD3	2:32:B:SER:H	9	0.14
(2,15)	2:35:A:LYS:HE3	2:50:A:THR:HB	2	0.14
(1,7003)	2:72:B:PHE:HE1	2:83:A:ALA:HB1	20	0.14
(1,7001)	2:89:A:PHE:HD2	2:89:A:PHE:H	10	0.14
(1,6976)	2:78:B:PHE:HD1	2:34:B:LEU:HD22	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6952)	2:82:B:ILE:H	1:1930:C:VAL:HG23	4	0.14
(1,6841)	2:80:A:SER:H	2:77:A:VAL:HG21	7	0.14
(1,6815)	2:62:A:LEU:H	1:1908:C:ASP:H	9	0.14
(1,6799)	2:49:A:ARG:H	2:48:A:LYS:HA	2	0.14
(1,6799)	2:49:A:ARG:H	2:48:A:LYS:HA	3	0.14
(1,6799)	2:49:A:ARG:H	2:48:A:LYS:HA	5	0.14
(1,6799)	2:49:A:ARG:H	2:48:A:LYS:HA	8	0.14
(1,6799)	2:49:A:ARG:H	2:48:A:LYS:HA	20	0.14
(1,6797)	2:47:A:GLY:H	2:46:A:LEU:HA	15	0.14
(1,6768)	2:27:B:PHE:H	2:28:B:LYS:HG2	14	0.14
(1,6651)	2:101:B:LYS:H	2:101:B:LYS:HA	8	0.14
(1,6651)	2:101:B:LYS:H	2:101:B:LYS:HA	18	0.14
(1,6645)	2:4:B:PRO:HG3	2:11:A:VAL:HG22	19	0.14
(1,6621)	2:2:A:ALA:HB3	2:4:A:PRO:HG3	4	0.14
(1,6621)	2:2:A:ALA:HB2	2:4:A:PRO:HG3	13	0.14
(1,6612)	2:3:A:CYS:HB3	2:43:B:PRO:HD3	16	0.14
(1,6589)	2:5:B:LEU:HD21	2:11:A:VAL:HB	9	0.14
(1,6589)	2:5:B:LEU:HD21	2:11:A:VAL:HB	15	0.14
(1,6564)	2:7:A:LYS:HB3	2:6:A:GLU:H	10	0.14
(1,6554)	2:8:B:ALA:HB1	2:8:A:ALA:HA	5	0.14
(1,6552)	2:8:A:ALA:HB2	2:7:B:LYS:HB3	3	0.14
(1,6551)	2:8:B:ALA:HB1	2:5:B:LEU:HD21	6	0.14
(1,6533)	2:8:B:ALA:HA	2:11:B:VAL:HG11	6	0.14
(1,6533)	2:8:B:ALA:HA	2:11:B:VAL:HG12	8	0.14
(1,6436)	2:12:B:MET:HE1	2:9:B:LEU:HD12	10	0.14
(1,6427)	2:13:A:VAL:HG23	2:72:A:PHE:HE1	18	0.14
(1,6410)	2:13:A:VAL:HG12	2:87:B:ASN:HA	7	0.14
(1,6369)	2:19:B:TYR:HA	2:22:B:LYS:HD2	13	0.14
(1,6301)	2:26:A:LYS:HD3	2:27:A:PHE:HE2	14	0.14
(1,6235)	2:29:A:LEU:HD11	2:34:A:LEU:H	2	0.14
(1,6157)	2:36:B:GLU:HG2	2:40:B:ARG:HD3	12	0.14
(1,6145)	2:37:B:LEU:HD23	2:38:B:LEU:HD12	1	0.14
(1,6136)	2:37:B:LEU:HD12	2:36:B:GLU:HB3	20	0.14
(1,6135)	2:37:A:LEU:HD11	2:41:A:GLU:HB2	8	0.14
(1,6102)	2:38:B:LEU:HD13	2:42:B:LEU:HB3	19	0.14
(1,6096)	2:38:A:LEU:HD21	2:62:A:LEU:HD22	9	0.14
(1,6091)	2:38:A:LEU:HD12	2:34:A:LEU:HG	4	0.14
(1,6068)	2:39:A:THR:HG22	2:46:A:LEU:HD13	16	0.14
(1,6068)	2:39:A:THR:HG22	2:46:A:LEU:HD11	20	0.14
(1,6067)	2:40:A:ARG:HD3	2:19:A:TYR:HE1	13	0.14
(1,6066)	2:40:A:ARG:HD3	2:19:A:TYR:HD1	1	0.14
(1,6063)	2:40:B:ARG:HD2	2:39:B:THR:HG23	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6024)	2:46:B:LEU:HD12	2:39:B:THR:H	10	0.14
(1,6024)	2:46:B:LEU:HD12	2:39:B:THR:H	19	0.14
(1,6022)	2:46:B:LEU:HD23	1:1928:C:PHE:HD1	6	0.14
(1,6021)	2:46:A:LEU:HD13	2:39:A:THR:HG22	16	0.14
(1,6021)	2:46:A:LEU:HD11	2:39:A:THR:HG22	20	0.14
(1,5971)	2:58:B:LEU:HD11	1:1921:C:LEU:HB2	2	0.14
(1,5929)	2:62:B:LEU:HD12	1:1918:C:LYS:HA	7	0.14
(1,5925)	2:62:B:LEU:HD13	2:58:B:LEU:HG	14	0.14
(1,5925)	2:62:B:LEU:HD13	2:58:B:LEU:HG	16	0.14
(1,5887)	2:64:A:SER:HB2	1:1911:C:ASN:HD21	15	0.14
(1,5887)	2:64:A:SER:HB2	1:1911:C:ASN:HD21	17	0.14
(1,5834)	2:77:B:VAL:HG13	1:1910:C:MET:HA	2	0.14
(1,5834)	2:77:B:VAL:HG11	2:62:B:LEU:HA	17	0.14
(1,5832)	2:77:B:VAL:HA	2:79:B:LEU:HA	1	0.14
(1,5832)	2:77:B:VAL:HA	2:79:B:LEU:HA	11	0.14
(1,5831)	2:77:B:VAL:HG13	2:73:B:GLN:HE22	16	0.14
(1,5831)	2:77:B:VAL:HG13	2:73:B:GLN:HE22	18	0.14
(1,5815)	2:79:B:LEU:HD21	2:9:A:LEU:HD22	11	0.14
(1,5814)	2:79:B:LEU:HD12	2:42:B:LEU:HD23	6	0.14
(1,5809)	2:79:A:LEU:HD11	2:13:A:VAL:H	15	0.14
(1,5791)	2:82:B:ILE:HD12	2:58:B:LEU:HD13	19	0.14
(1,5781)	2:82:A:ILE:HD11	2:42:A:LEU:HB2	7	0.14
(1,5777)	2:83:B:ALA:HB3	2:13:A:VAL:HG12	14	0.14
(1,5766)	2:83:A:ALA:HB1	2:84:A:MET:HA	4	0.14
(1,5766)	2:83:A:ALA:HB1	2:84:A:MET:HA	10	0.14
(1,5764)	2:83:A:ALA:HB2	2:72:B:PHE:HE1	4	0.14
(1,5684)	1:1900:C:LEU:HD21	2:82:A:ILE:HD13	18	0.14
(1,5684)	1:1900:C:LEU:HD22	2:82:A:ILE:HD13	18	0.14
(1,5684)	1:1900:C:LEU:HD23	2:82:A:ILE:HD13	18	0.14
(1,5654)	1:1900:C:LEU:HD21	2:78:A:PHE:HE1	7	0.14
(1,5654)	1:1900:C:LEU:HD21	2:78:A:PHE:HE2	7	0.14
(1,5654)	1:1900:C:LEU:HD22	2:78:A:PHE:HE1	7	0.14
(1,5654)	1:1900:C:LEU:HD22	2:78:A:PHE:HE2	7	0.14
(1,5654)	1:1900:C:LEU:HD23	2:78:A:PHE:HE1	7	0.14
(1,5654)	1:1900:C:LEU:HD23	2:78:A:PHE:HE2	7	0.14
(1,5654)	1:1900:C:LEU:HD21	2:78:A:PHE:HE1	18	0.14
(1,5654)	1:1900:C:LEU:HD21	2:78:A:PHE:HE2	18	0.14
(1,5654)	1:1900:C:LEU:HD22	2:78:A:PHE:HE1	18	0.14
(1,5654)	1:1900:C:LEU:HD22	2:78:A:PHE:HE2	18	0.14
(1,5654)	1:1900:C:LEU:HD23	2:78:A:PHE:HE1	18	0.14
(1,5654)	1:1900:C:LEU:HD23	2:78:A:PHE:HE2	18	0.14
(1,5650)	1:1900:C:LEU:HD11	2:59:A:MET:H	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5650)	1:1900:C:LEU:HD12	2:59:A:MET:H	7	0.14
(1,5650)	1:1900:C:LEU:HD13	2:59:A:MET:H	7	0.14
(1,5624)	1:1903:C:ALA:HB1	2:85:A:MET:HB3	14	0.14
(1,5624)	1:1903:C:ALA:HB2	2:85:A:MET:HB3	14	0.14
(1,5624)	1:1903:C:ALA:HB3	2:85:A:MET:HB3	14	0.14
(1,5621)	1:1903:C:ALA:HB1	1:1899:C:GLU:HG3	6	0.14
(1,5621)	1:1903:C:ALA:HB2	1:1899:C:GLU:HG3	6	0.14
(1,5621)	1:1903:C:ALA:HB3	1:1899:C:GLU:HG3	6	0.14
(1,5616)	1:1903:C:ALA:HB1	1:1906:C:THR:HB	11	0.14
(1,5616)	1:1903:C:ALA:HB2	1:1906:C:THR:HB	11	0.14
(1,5616)	1:1903:C:ALA:HB3	1:1906:C:THR:HB	11	0.14
(1,5525)	1:1909:C:ALA:HB1	1:1912:C:ARG:HB3	13	0.14
(1,5525)	1:1909:C:ALA:HB2	1:1912:C:ARG:HB3	13	0.14
(1,5525)	1:1909:C:ALA:HB3	1:1912:C:ARG:HB3	13	0.14
(1,5496)	1:1910:C:MET:HE2	2:80:A:SER:HB3	16	0.14
(1,5391)	1:1914:C:VAL:HG13	2:77:B:VAL:HB	8	0.14
(1,5363)	1:1917:C:LEU:HD21	1:1917:C:LEU:HB3	6	0.14
(1,5363)	1:1917:C:LEU:HD22	1:1917:C:LEU:HB3	6	0.14
(1,5363)	1:1917:C:LEU:HD23	1:1917:C:LEU:HB3	6	0.14
(1,5347)	1:1917:C:LEU:HD21	2:78:B:PHE:HA	5	0.14
(1,5347)	1:1917:C:LEU:HD22	2:78:B:PHE:HA	5	0.14
(1,5347)	1:1917:C:LEU:HD23	2:78:B:PHE:HA	5	0.14
(1,5342)	1:1917:C:LEU:HD23	1:1920:C:LYS:H	20	0.14
(1,5322)	1:1918:C:LYS:HB2	2:84:B:MET:HA	2	0.14
(1,5322)	1:1918:C:LYS:HB2	2:84:B:MET:HA	17	0.14
(1,5235)	1:1926:C:LEU:HD21	2:78:B:PHE:HE1	13	0.14
(1,5235)	1:1926:C:LEU:HD21	2:78:B:PHE:HE2	13	0.14
(1,5235)	1:1926:C:LEU:HD22	2:78:B:PHE:HE1	13	0.14
(1,5235)	1:1926:C:LEU:HD22	2:78:B:PHE:HE2	13	0.14
(1,5235)	1:1926:C:LEU:HD23	2:78:B:PHE:HE1	13	0.14
(1,5235)	1:1926:C:LEU:HD23	2:78:B:PHE:HE2	13	0.14
(1,5235)	1:1926:C:LEU:HD21	2:78:B:PHE:HE1	14	0.14
(1,5235)	1:1926:C:LEU:HD21	2:78:B:PHE:HE2	14	0.14
(1,5235)	1:1926:C:LEU:HD22	2:78:B:PHE:HE1	14	0.14
(1,5235)	1:1926:C:LEU:HD22	2:78:B:PHE:HE2	14	0.14
(1,5235)	1:1926:C:LEU:HD23	2:78:B:PHE:HE1	14	0.14
(1,5235)	1:1926:C:LEU:HD23	2:78:B:PHE:HE2	14	0.14
(1,5191)	1:1929:C:VAL:HG11	1:1931:C:PRO:HD3	10	0.14
(1,5191)	1:1929:C:VAL:HG12	1:1931:C:PRO:HD3	10	0.14
(1,5191)	1:1929:C:VAL:HG13	1:1931:C:PRO:HD3	10	0.14
(1,5191)	1:1929:C:VAL:HG11	1:1931:C:PRO:HD3	12	0.14
(1,5191)	1:1929:C:VAL:HG12	1:1931:C:PRO:HD3	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5191)	1:1929:C:VAL:HG13	1:1931:C:PRO:HD3	12	0.14
(1,5185)	1:1929:C:VAL:HG11	1:1929:C:VAL:HA	5	0.14
(1,5185)	1:1929:C:VAL:HG12	1:1929:C:VAL:HA	5	0.14
(1,5185)	1:1929:C:VAL:HG13	1:1929:C:VAL:HA	5	0.14
(1,5162)	1:1930:C:VAL:HG21	2:90:B:PHE:HB3	9	0.14
(1,5162)	1:1930:C:VAL:HG22	2:90:B:PHE:HB3	9	0.14
(1,5162)	1:1930:C:VAL:HG23	2:90:B:PHE:HB3	9	0.14
(1,5162)	1:1930:C:VAL:HG21	2:90:B:PHE:HB3	16	0.14
(1,5162)	1:1930:C:VAL:HG22	2:90:B:PHE:HB3	16	0.14
(1,5162)	1:1930:C:VAL:HG23	2:90:B:PHE:HB3	16	0.14
(1,5128)	1:1934:C:MET:HE2	2:13:A:VAL:HA	20	0.14
(1,5101)	1:1935:C:ALA:HB1	2:45:B:PHE:HD1	11	0.14
(1,5101)	1:1935:C:ALA:HB1	2:45:B:PHE:HD2	11	0.14
(1,5101)	1:1935:C:ALA:HB2	2:45:B:PHE:HD1	11	0.14
(1,5101)	1:1935:C:ALA:HB2	2:45:B:PHE:HD2	11	0.14
(1,5101)	1:1935:C:ALA:HB3	2:45:B:PHE:HD1	11	0.14
(1,5101)	1:1935:C:ALA:HB3	2:45:B:PHE:HD2	11	0.14
(1,5089)	1:1898:C:ARG:H	1:1898:C:ARG:HB3	10	0.14
(1,5079)	1:1899:C:GLU:H	1:1898:C:ARG:HA	8	0.14
(1,4928)	1:1916:C:SER:H	1:1916:C:SER:HB3	13	0.14
(1,4928)	1:1916:C:SER:H	1:1916:C:SER:HB3	18	0.14
(1,4928)	1:1916:C:SER:H	1:1916:C:SER:HB3	20	0.14
(1,4846)	1:1926:C:LEU:H	2:54:B:ALA:HA	4	0.14
(1,4841)	1:1926:C:LEU:H	1:1926:C:LEU:HG	1	0.14
(1,4589)	1:1918:C:LYS:HD2	1:1915:C:SER:HB2	8	0.14
(1,4588)	2:57:A:LYS:HD3	1:1905:C:GLU:HA	11	0.14
(1,4551)	1:1921:C:LEU:HD11	1:1918:C:LYS:HA	13	0.14
(1,4551)	1:1921:C:LEU:HD12	1:1918:C:LYS:HA	13	0.14
(1,4551)	1:1921:C:LEU:HD13	1:1918:C:LYS:HA	13	0.14
(1,4483)	2:45:B:PHE:H	1:1930:C:VAL:HA	2	0.14
(1,4390)	1:1928:C:PHE:HZ	1:1929:C:VAL:HG11	9	0.14
(1,4390)	1:1928:C:PHE:HZ	1:1929:C:VAL:HG12	9	0.14
(1,4390)	1:1928:C:PHE:HZ	1:1929:C:VAL:HG13	9	0.14
(1,4281)	1:1917:C:LEU:H	1:1917:C:LEU:HA	15	0.14
(1,4180)	2:46:A:LEU:HD21	1:1900:C:LEU:HB3	6	0.14
(1,4179)	2:46:A:LEU:HD23	1:1900:C:LEU:HG	17	0.14
(1,4149)	2:61:B:ASN:HA	1:1921:C:LEU:HD11	8	0.14
(1,4149)	2:61:B:ASN:HA	1:1921:C:LEU:HD12	8	0.14
(1,4149)	2:61:B:ASN:HA	1:1921:C:LEU:HD13	8	0.14
(1,4055)	2:85:B:MET:HE2	1:1918:C:LYS:HG2	5	0.14
(1,4055)	2:85:B:MET:HE2	1:1918:C:LYS:HG2	18	0.14
(1,4027)	2:82:B:ILE:HG21	1:1929:C:VAL:HG11	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4027)	2:82:B:ILE:HG21	1:1929:C:VAL:HG12	8	0.14
(1,4027)	2:82:B:ILE:HG21	1:1929:C:VAL:HG13	8	0.14
(1,3969)	2:77:B:VAL:HG23	1:1914:C:VAL:HA	9	0.14
(1,3884)	2:90:A:PHE:HD1	2:13:B:VAL:HG22	18	0.14
(1,3884)	2:90:A:PHE:HD2	2:13:B:VAL:HG22	18	0.14
(1,3879)	2:72:B:PHE:HE1	2:75:B:TYR:HE1	17	0.14
(1,3879)	2:72:B:PHE:HE1	2:75:B:TYR:HE2	17	0.14
(1,3879)	2:72:B:PHE:HE2	2:75:B:TYR:HE1	17	0.14
(1,3879)	2:72:B:PHE:HE2	2:75:B:TYR:HE2	17	0.14
(1,3770)	2:57:A:LYS:H	2:57:A:LYS:HE3	17	0.14
(1,3749)	2:93:B:PHE:H	2:93:B:PHE:HB3	9	0.14
(1,3723)	2:90:B:PHE:H	2:90:B:PHE:HB2	4	0.14
(1,3695)	2:87:B:ASN:H	2:89:B:PHE:HD1	13	0.14
(1,3695)	2:87:B:ASN:H	2:89:B:PHE:HD2	13	0.14
(1,3420)	2:42:B:LEU:H	2:37:B:LEU:HB3	7	0.14
(1,3420)	2:42:B:LEU:H	2:37:B:LEU:HB3	17	0.14
(1,3341)	2:21:A:GLY:H	2:29:A:LEU:HD21	6	0.14
(1,3341)	2:21:A:GLY:H	2:29:A:LEU:HD21	8	0.14
(1,3245)	2:97:A:GLN:H	2:96:A:LYS:HA	10	0.14
(1,3228)	2:95:A:ASP:H	2:93:A:PHE:HA	4	0.14
(1,3163)	2:86:A:CYS:H	2:9:B:LEU:HB2	12	0.14
(1,3075)	2:74:A:GLU:H	2:70:A:VAL:HB	14	0.14
(1,2995)	2:62:A:LEU:H	2:57:A:LYS:HE2	17	0.14
(1,2988)	2:61:A:ASN:H	2:62:A:LEU:HD22	10	0.14
(1,2904)	2:51:A:ASP:H	2:46:A:LEU:HB3	4	0.14
(1,2904)	2:51:A:ASP:H	2:46:A:LEU:HB3	5	0.14
(1,2728)	2:21:B:GLY:H	2:26:B:LYS:HD3	18	0.14
(1,2618)	2:3:A:CYS:H	2:41:B:GLU:HG2	4	0.14
(1,2600)	2:29:A:LEU:H	2:27:A:PHE:HD1	6	0.14
(1,2600)	2:29:A:LEU:H	2:27:A:PHE:HD2	6	0.14
(1,2600)	2:29:A:LEU:H	2:27:A:PHE:HD1	19	0.14
(1,2600)	2:29:A:LEU:H	2:27:A:PHE:HD2	19	0.14
(1,2522)	2:5:B:LEU:HD23	2:9:B:LEU:H	2	0.14
(1,2509)	2:5:B:LEU:HD22	2:12:A:MET:HA	17	0.14
(1,2498)	2:5:B:LEU:HD11	2:75:A:TYR:HE1	2	0.14
(1,2498)	2:5:B:LEU:HD11	2:75:A:TYR:HE2	2	0.14
(1,2498)	2:5:B:LEU:HD11	2:75:A:TYR:HE1	12	0.14
(1,2498)	2:5:B:LEU:HD11	2:75:A:TYR:HE2	12	0.14
(1,2494)	2:5:B:LEU:HD13	2:41:A:GLU:HB2	8	0.14
(1,2408)	2:9:B:LEU:HD22	2:83:A:ALA:H	11	0.14
(1,2377)	2:9:B:LEU:HD11	2:82:A:ILE:HG23	10	0.14
(1,2377)	2:9:B:LEU:HD11	2:82:A:ILE:HG22	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2353)	2:10:A:ASP:HA	2:13:A:VAL:HB	17	0.14
(1,2313)	2:12:A:MET:HE1	2:9:B:LEU:H	3	0.14
(1,2313)	2:12:A:MET:HE1	2:9:B:LEU:H	8	0.14
(1,2312)	2:12:A:MET:HE3	2:78:A:PHE:HD1	2	0.14
(1,2312)	2:12:A:MET:HE3	2:78:A:PHE:HD2	2	0.14
(1,2312)	2:12:A:MET:HE3	2:78:A:PHE:HD1	12	0.14
(1,2312)	2:12:A:MET:HE3	2:78:A:PHE:HD2	12	0.14
(1,2308)	2:12:A:MET:HE3	2:79:A:LEU:HA	9	0.14
(1,2308)	2:12:A:MET:HE3	2:79:A:LEU:HA	12	0.14
(1,2306)	2:12:A:MET:HE2	2:12:B:MET:HG2	20	0.14
(1,2300)	2:12:A:MET:HE3	2:79:A:LEU:HD12	2	0.14
(1,2278)	2:12:B:MET:HE1	2:12:B:MET:H	1	0.14
(1,2278)	2:12:B:MET:HE1	2:12:B:MET:H	18	0.14
(1,2268)	2:12:B:MET:HE3	2:12:B:MET:HG2	14	0.14
(1,2236)	2:13:A:VAL:HG23	2:90:B:PHE:H	12	0.14
(1,2225)	2:13:A:VAL:HG11	2:16:A:PHE:HB2	1	0.14
(1,2224)	2:13:B:VAL:HG12	2:10:B:ASP:HA	17	0.14
(1,2216)	2:13:A:VAL:HG12	2:10:A:ASP:HA	4	0.14
(1,2181)	2:15:B:THR:HG21	2:41:B:GLU:HB2	14	0.14
(1,2181)	2:15:B:THR:HG23	2:41:B:GLU:HB2	15	0.14
(1,2110)	2:19:B:TYR:HA	2:22:B:LYS:HD2	13	0.14
(1,2061)	2:26:B:LYS:HB2	2:27:B:PHE:HD1	9	0.14
(1,2061)	2:26:B:LYS:HB2	2:27:B:PHE:HD2	9	0.14
(1,2045)	2:28:A:LYS:HA	2:75:A:TYR:HD1	14	0.14
(1,2045)	2:28:A:LYS:HA	2:75:A:TYR:HD2	14	0.14
(1,2026)	2:29:A:LEU:HD13	2:34:A:LEU:HA	3	0.14
(1,2010)	2:29:B:LEU:HD11	2:34:B:LEU:H	18	0.14
(1,1792)	2:36:A:GLU:HB3	2:33:A:GLU:HA	20	0.14
(1,1762)	2:38:B:LEU:HD13	2:62:B:LEU:HD23	12	0.14
(1,1757)	2:38:B:LEU:HD22	2:38:B:LEU:HG	1	0.14
(1,1757)	2:38:B:LEU:HD21	2:38:B:LEU:HG	2	0.14
(1,1757)	2:38:B:LEU:HD23	2:38:B:LEU:HG	4	0.14
(1,1757)	2:38:B:LEU:HD23	2:38:B:LEU:HG	5	0.14
(1,1757)	2:38:B:LEU:HD21	2:38:B:LEU:HG	6	0.14
(1,1757)	2:38:B:LEU:HD22	2:38:B:LEU:HG	7	0.14
(1,1757)	2:38:B:LEU:HD23	2:38:B:LEU:HG	10	0.14
(1,1757)	2:38:B:LEU:HD23	2:38:B:LEU:HG	12	0.14
(1,1757)	2:38:B:LEU:HD23	2:38:B:LEU:HG	13	0.14
(1,1757)	2:38:B:LEU:HD21	2:38:B:LEU:HG	14	0.14
(1,1757)	2:38:B:LEU:HD23	2:38:B:LEU:HG	15	0.14
(1,1757)	2:38:B:LEU:HD22	2:38:B:LEU:HG	16	0.14
(1,1757)	2:38:B:LEU:HD23	2:38:B:LEU:HG	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1757)	2:38:B:LEU:HD21	2:38:B:LEU:HG	19	0.14
(1,1757)	2:38:B:LEU:HD22	2:38:B:LEU:HG	20	0.14
(1,1737)	2:38:B:LEU:HD11	2:55:B:PHE:HE1	3	0.14
(1,1737)	2:38:B:LEU:HD11	2:55:B:PHE:HE2	3	0.14
(1,1737)	2:38:B:LEU:HD11	2:55:B:PHE:HE1	14	0.14
(1,1737)	2:38:B:LEU:HD11	2:55:B:PHE:HE2	14	0.14
(1,1736)	2:38:B:LEU:HD22	2:38:B:LEU:HA	7	0.14
(1,1717)	2:38:A:LEU:HD13	2:82:A:ILE:HD11	7	0.14
(1,1713)	2:38:A:LEU:HD11	2:42:A:LEU:HB2	20	0.14
(1,1709)	2:38:A:LEU:HD13	2:42:A:LEU:HD22	10	0.14
(1,1705)	2:38:A:LEU:HD13	2:50:A:THR:HB	2	0.14
(1,1671)	2:39:B:THR:HG23	2:40:B:ARG:HD2	6	0.14
(1,1655)	2:39:A:THR:HG22	2:35:A:LYS:HE3	14	0.14
(1,1597)	2:42:B:LEU:HD11	2:43:B:PRO:HD3	15	0.14
(1,1592)	2:35:B:LYS:HG2	2:36:B:GLU:HG2	1	0.14
(1,1591)	2:42:B:LEU:HD11	2:6:A:GLU:HB2	8	0.14
(1,1566)	2:42:A:LEU:HD13	2:75:A:TYR:HE1	20	0.14
(1,1566)	2:42:A:LEU:HD13	2:75:A:TYR:HE2	20	0.14
(1,1471)	2:46:A:LEU:HD13	2:46:A:LEU:HA	14	0.14
(1,1465)	2:46:A:LEU:HD22	2:55:A:PHE:HE1	18	0.14
(1,1460)	2:46:A:LEU:HD21	2:47:A:GLY:H	6	0.14
(1,1409)	2:49:A:ARG:HD3	2:54:A:ALA:HB2	13	0.14
(1,1405)	2:49:A:ARG:HB2	2:54:A:ALA:HB2	14	0.14
(1,1385)	2:50:B:THR:HG21	1:1928:C:PHE:HD1	19	0.14
(1,1385)	2:50:B:THR:HG21	1:1928:C:PHE:HD2	19	0.14
(1,1329)	2:53:B:ALA:HB3	2:57:B:LYS:HE3	18	0.14
(1,1326)	2:53:B:ALA:HA	2:56:B:GLN:HB3	5	0.14
(1,1326)	2:53:B:ALA:HA	2:56:B:GLN:HB3	20	0.14
(1,1321)	2:53:A:ALA:HB3	2:55:A:PHE:HD1	18	0.14
(1,1321)	2:53:A:ALA:HB3	2:55:A:PHE:HD2	18	0.14
(1,1285)	2:54:A:ALA:HB1	2:53:A:ALA:H	11	0.14
(1,1157)	2:58:A:LEU:HD23	2:45:A:PHE:HB3	15	0.14
(1,1097)	2:59:B:MET:HE3	2:68:B:ASN:HD21	16	0.14
(1,1092)	2:59:B:MET:HE1	2:61:B:ASN:H	9	0.14
(1,1089)	2:59:B:MET:HE2	2:30:B:ASN:HA	1	0.14
(1,1088)	2:59:B:MET:HE3	2:69:B:GLU:HA	13	0.14
(1,1088)	2:59:B:MET:HE3	2:69:B:GLU:HA	20	0.14
(1,1052)	2:59:A:MET:HE3	2:62:A:LEU:H	20	0.14
(1,1036)	2:59:A:MET:HE1	2:59:A:MET:HA	5	0.14
(1,1036)	2:59:A:MET:HE3	2:59:A:MET:HA	8	0.14
(1,1036)	2:59:A:MET:HE2	2:59:A:MET:HA	18	0.14
(1,1034)	2:59:A:MET:HE2	2:68:A:ASN:HB3	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,939)	2:62:B:LEU:HD22	2:59:B:MET:HE3	7	0.14
(1,908)	2:62:A:LEU:HD12	2:62:A:LEU:H	5	0.14
(1,864)	2:64:A:SER:HB2	2:65:A:ASN:HB3	12	0.14
(1,731)	2:70:A:VAL:HG11	2:74:A:GLU:HG2	19	0.14
(1,717)	2:70:B:VAL:HG13	2:78:B:PHE:HE1	16	0.14
(1,717)	2:70:B:VAL:HG13	2:78:B:PHE:HE2	16	0.14
(1,611)	2:77:B:VAL:HG13	2:77:B:VAL:HB	8	0.14
(1,611)	2:77:B:VAL:HG13	2:77:B:VAL:HB	17	0.14
(1,607)	2:77:B:VAL:HG23	1:1914:C:VAL:HA	9	0.14
(1,531)	2:79:B:LEU:HD21	2:79:B:LEU:HA	1	0.14
(1,531)	2:79:B:LEU:HD21	2:79:B:LEU:HA	3	0.14
(1,531)	2:79:B:LEU:HD21	2:79:B:LEU:HA	8	0.14
(1,506)	2:79:B:LEU:HD22	2:75:B:TYR:HE1	2	0.14
(1,506)	2:79:B:LEU:HD22	2:75:B:TYR:HE2	2	0.14
(1,506)	2:79:B:LEU:HD22	2:75:B:TYR:HE1	5	0.14
(1,506)	2:79:B:LEU:HD22	2:75:B:TYR:HE2	5	0.14
(1,490)	2:79:B:LEU:HD11	2:83:A:ALA:H	4	0.14
(1,452)	2:79:A:LEU:HD23	2:82:A:ILE:HG13	6	0.14
(1,408)	2:81:B:CYS:HB3	1:1917:C:LEU:HD11	9	0.14
(1,408)	2:81:B:CYS:HB3	1:1917:C:LEU:HD12	9	0.14
(1,408)	2:81:B:CYS:HB3	1:1917:C:LEU:HD13	9	0.14
(1,377)	2:82:B:ILE:HD11	2:38:B:LEU:HD23	7	0.14
(1,354)	2:82:B:ILE:HG22	2:45:B:PHE:HE1	11	0.14
(1,354)	2:82:B:ILE:HG22	2:45:B:PHE:HE2	11	0.14
(1,315)	2:82:A:ILE:HD13	2:42:A:LEU:HD23	10	0.14
(1,309)	2:82:A:ILE:HG23	2:83:A:ALA:HB3	4	0.14
(1,309)	2:82:A:ILE:HG23	2:83:A:ALA:HB3	5	0.14
(1,309)	2:82:A:ILE:HG23	2:83:A:ALA:HB2	7	0.14
(1,286)	2:83:A:ALA:HA	2:9:B:LEU:HD23	10	0.14
(1,276)	2:83:A:ALA:HB3	2:82:A:ILE:HG23	4	0.14
(1,276)	2:83:A:ALA:HB3	2:82:A:ILE:HG23	5	0.14
(1,276)	2:83:A:ALA:HB2	2:82:A:ILE:HG23	7	0.14
(1,266)	2:83:A:ALA:HB2	2:76:B:CYS:H	8	0.14
(1,266)	2:83:A:ALA:HB2	2:76:B:CYS:H	9	0.14
(1,254)	2:84:B:MET:HE1	2:81:B:CYS:H	6	0.14
(1,254)	2:84:B:MET:HE1	2:81:B:CYS:H	10	0.14
(1,247)	2:84:B:MET:HE2	2:84:B:MET:HG2	9	0.14
(1,235)	2:84:B:MET:HA	2:72:A:PHE:HE1	4	0.14
(1,235)	2:84:B:MET:HA	2:72:A:PHE:HE2	4	0.14
(1,209)	2:84:A:MET:HE1	2:73:B:GLN:HA	8	0.14
(1,169)	2:85:B:MET:HE2	1:1922:C:ARG:HD2	3	0.14
(1,165)	2:85:B:MET:HE1	1:1921:C:LEU:HB3	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG21	7	0.14
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG22	7	0.14
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG23	7	0.14
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG21	17	0.14
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG22	17	0.14
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG23	17	0.14
(1,146)	2:85:A:MET:HE2	1:1900:C:LEU:HA	11	0.14
(1,146)	2:85:A:MET:HE2	1:1900:C:LEU:HA	16	0.14
(1,145)	2:85:A:MET:HE3	2:82:A:ILE:HA	4	0.14
(1,145)	2:85:A:MET:HE3	2:82:A:ILE:HA	8	0.14
(1,145)	2:85:A:MET:HE3	2:82:A:ILE:HA	16	0.14
(1,128)	2:85:A:MET:HE1	2:45:A:PHE:H	2	0.14
(1,38)	2:90:A:PHE:HB3	2:13:B:VAL:HG22	18	0.14
(2,49)	1:1935:C:ALA:HB1	1:1932:C:ARG:HA	18	0.13
(2,49)	1:1935:C:ALA:HB2	1:1932:C:ARG:HA	18	0.13
(2,49)	1:1935:C:ALA:HB3	1:1932:C:ARG:HA	18	0.13
(2,18)	2:28:A:LYS:HD3	2:20:A:SER:HB2	12	0.13
(2,15)	2:35:A:LYS:HE3	2:50:A:THR:HB	4	0.13
(1,6965)	2:26:B:LYS:H	2:26:B:LYS:HG3	9	0.13
(1,6949)	2:80:B:SER:H	2:79:B:LEU:HD21	5	0.13
(1,6847)	2:83:A:ALA:H	2:72:B:PHE:HE1	19	0.13
(1,6841)	2:80:A:SER:H	2:77:A:VAL:HG21	17	0.13
(1,6815)	2:62:A:LEU:H	1:1908:C:ASP:H	15	0.13
(1,6815)	2:62:A:LEU:H	1:1908:C:ASP:H	16	0.13
(1,6799)	2:49:A:ARG:H	2:48:A:LYS:HA	14	0.13
(1,6714)	2:23:B:GLU:H	2:22:B:LYS:HB3	6	0.13
(1,6644)	2:4:A:PRO:HG2	2:11:B:VAL:HG21	16	0.13
(1,6621)	2:2:A:ALA:HB1	2:6:A:GLU:HB3	14	0.13
(1,6618)	2:2:A:ALA:HA	2:7:A:LYS:HE2	2	0.13
(1,6589)	2:5:B:LEU:HD21	2:11:A:VAL:HB	16	0.13
(1,6577)	2:6:B:GLU:HA	2:42:A:LEU:HD11	3	0.13
(1,6565)	2:7:B:LYS:HB3	2:4:A:PRO:HA	6	0.13
(1,6564)	2:7:A:LYS:HB3	2:6:A:GLU:H	5	0.13
(1,6564)	2:7:A:LYS:HB3	2:6:A:GLU:H	7	0.13
(1,6555)	2:8:A:ALA:HB1	2:6:A:GLU:HA	12	0.13
(1,6524)	2:9:A:LEU:HD11	2:6:A:GLU:HA	12	0.13
(1,6517)	2:9:A:LEU:HD23	2:12:A:MET:HB2	3	0.13
(1,6500)	2:11:A:VAL:HG21	2:15:A:THR:HG22	10	0.13
(1,6500)	2:11:A:VAL:HG23	2:15:A:THR:HG21	16	0.13
(1,6489)	2:11:A:VAL:HG13	2:8:A:ALA:H	2	0.13
(1,6489)	2:11:A:VAL:HG11	2:8:A:ALA:H	11	0.13
(1,6488)	2:11:B:VAL:HG13	2:8:B:ALA:H	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6472)	2:11:A:VAL:HA	2:8:B:ALA:HB2	9	0.13
(1,6437)	2:12:B:MET:HE2	2:79:A:LEU:HB3	17	0.13
(1,6424)	2:13:B:VAL:HG21	2:87:A:ASN:HA	17	0.13
(1,6399)	2:15:A:THR:HG23	2:41:A:GLU:HA	8	0.13
(1,6369)	2:19:B:TYR:HA	2:22:B:LYS:HD2	1	0.13
(1,6333)	2:23:A:GLU:HG2	2:22:A:LYS:H	2	0.13
(1,6333)	2:23:A:GLU:HG2	2:22:A:LYS:H	4	0.13
(1,6291)	2:26:B:LYS:HG2	2:21:B:GLY:HA2	13	0.13
(1,6157)	2:36:A:GLU:HG2	2:40:A:ARG:HD3	17	0.13
(1,6154)	2:37:A:LEU:HD11	2:16:A:PHE:HD2	17	0.13
(1,6144)	2:37:B:LEU:HD13	2:12:B:MET:HA	13	0.13
(1,6108)	2:38:B:LEU:HD11	2:34:B:LEU:HD22	1	0.13
(1,6108)	2:38:B:LEU:HD12	2:58:B:LEU:HD22	10	0.13
(1,6108)	2:38:B:LEU:HD12	2:34:B:LEU:HD22	14	0.13
(1,6091)	2:38:A:LEU:HD11	2:34:A:LEU:HG	6	0.13
(1,6091)	2:38:A:LEU:HD11	2:34:A:LEU:HG	12	0.13
(1,6091)	2:38:A:LEU:HD11	2:34:A:LEU:HG	16	0.13
(1,6091)	2:38:A:LEU:HD13	2:34:A:LEU:HG	18	0.13
(1,5971)	2:58:B:LEU:HD11	1:1921:C:LEU:HB2	12	0.13
(1,5934)	2:55:B:PHE:HA	2:56:B:GLN:HG2	1	0.13
(1,5934)	2:55:B:PHE:HA	2:56:B:GLN:HG2	7	0.13
(1,5934)	2:55:B:PHE:HA	2:56:B:GLN:HG2	9	0.13
(1,5887)	2:64:A:SER:HB2	1:1911:C:ASN:HD21	12	0.13
(1,5865)	2:73:A:GLN:HA	1:1914:C:VAL:HG23	10	0.13
(1,5865)	2:73:A:GLN:HA	1:1914:C:VAL:HG22	20	0.13
(1,5834)	2:77:B:VAL:HG13	2:62:B:LEU:HA	6	0.13
(1,5832)	2:77:B:VAL:HA	2:79:B:LEU:HA	10	0.13
(1,5831)	2:77:B:VAL:HG13	2:73:B:GLN:HE22	2	0.13
(1,5819)	2:79:B:LEU:HD22	2:5:A:LEU:HA	1	0.13
(1,5815)	2:79:B:LEU:HD21	2:9:A:LEU:HD21	17	0.13
(1,5804)	2:79:A:LEU:HD22	2:12:A:MET:HE1	7	0.13
(1,5802)	2:79:A:LEU:HD23	2:37:A:LEU:HD23	20	0.13
(1,5788)	2:82:B:ILE:HG22	2:42:B:LEU:HD22	19	0.13
(1,5766)	2:83:A:ALA:HB1	2:84:A:MET:HA	2	0.13
(1,5766)	2:83:A:ALA:HB2	2:84:A:MET:HA	8	0.13
(1,5762)	2:83:A:ALA:HB1	2:82:A:ILE:H	10	0.13
(1,5748)	2:85:B:MET:HE1	1:1923:C:ARG:H	9	0.13
(1,5748)	2:85:B:MET:HE1	1:1923:C:ARG:H	19	0.13
(1,5745)	2:85:B:MET:HE3	2:86:B:CYS:HB2	1	0.13
(1,5712)	1:1897:C:GLN:HG2	1:1898:C:ARG:H	13	0.13
(1,5710)	1:1897:C:GLN:HA	1:1898:C:ARG:H	8	0.13
(1,5661)	1:1900:C:LEU:HD13	2:45:A:PHE:HA	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5660)	1:1900:C:LEU:HD21	2:50:A:THR:HB	12	0.13
(1,5660)	1:1900:C:LEU:HD22	2:50:A:THR:HB	12	0.13
(1,5660)	1:1900:C:LEU:HD23	2:50:A:THR:HB	12	0.13
(1,5654)	1:1900:C:LEU:HD21	2:78:A:PHE:HE1	5	0.13
(1,5654)	1:1900:C:LEU:HD21	2:78:A:PHE:HE2	5	0.13
(1,5654)	1:1900:C:LEU:HD22	2:78:A:PHE:HE1	5	0.13
(1,5654)	1:1900:C:LEU:HD22	2:78:A:PHE:HE2	5	0.13
(1,5654)	1:1900:C:LEU:HD23	2:78:A:PHE:HE1	5	0.13
(1,5654)	1:1900:C:LEU:HD23	2:78:A:PHE:HE2	5	0.13
(1,5654)	1:1900:C:LEU:HD21	2:78:A:PHE:HE1	12	0.13
(1,5654)	1:1900:C:LEU:HD21	2:78:A:PHE:HE2	12	0.13
(1,5654)	1:1900:C:LEU:HD22	2:78:A:PHE:HE1	12	0.13
(1,5654)	1:1900:C:LEU:HD22	2:78:A:PHE:HE2	12	0.13
(1,5654)	1:1900:C:LEU:HD23	2:78:A:PHE:HE1	12	0.13
(1,5654)	1:1900:C:LEU:HD23	2:78:A:PHE:HE2	12	0.13
(1,5652)	1:1900:C:LEU:HD21	2:59:A:MET:H	13	0.13
(1,5652)	1:1900:C:LEU:HD22	2:59:A:MET:H	13	0.13
(1,5652)	1:1900:C:LEU:HD23	2:59:A:MET:H	13	0.13
(1,5652)	1:1900:C:LEU:HD21	2:59:A:MET:H	17	0.13
(1,5652)	1:1900:C:LEU:HD22	2:59:A:MET:H	17	0.13
(1,5652)	1:1900:C:LEU:HD23	2:59:A:MET:H	17	0.13
(1,5652)	1:1900:C:LEU:HD21	2:59:A:MET:H	18	0.13
(1,5652)	1:1900:C:LEU:HD22	2:59:A:MET:H	18	0.13
(1,5652)	1:1900:C:LEU:HD23	2:59:A:MET:H	18	0.13
(1,5650)	1:1900:C:LEU:HD11	2:59:A:MET:H	4	0.13
(1,5650)	1:1900:C:LEU:HD12	2:59:A:MET:H	4	0.13
(1,5650)	1:1900:C:LEU:HD13	2:59:A:MET:H	4	0.13
(1,5624)	1:1903:C:ALA:HB1	2:85:A:MET:HB3	20	0.13
(1,5624)	1:1903:C:ALA:HB2	2:85:A:MET:HB3	20	0.13
(1,5624)	1:1903:C:ALA:HB3	2:85:A:MET:HB3	20	0.13
(1,5621)	1:1903:C:ALA:HB1	1:1899:C:GLU:HG3	19	0.13
(1,5621)	1:1903:C:ALA:HB2	1:1899:C:GLU:HG3	19	0.13
(1,5621)	1:1903:C:ALA:HB3	1:1899:C:GLU:HG3	19	0.13
(1,5525)	1:1909:C:ALA:HB1	1:1912:C:ARG:HB3	5	0.13
(1,5525)	1:1909:C:ALA:HB2	1:1912:C:ARG:HB3	5	0.13
(1,5525)	1:1909:C:ALA:HB3	1:1912:C:ARG:HB3	5	0.13
(1,5525)	1:1909:C:ALA:HB1	1:1912:C:ARG:HB3	14	0.13
(1,5525)	1:1909:C:ALA:HB2	1:1912:C:ARG:HB3	14	0.13
(1,5525)	1:1909:C:ALA:HB3	1:1912:C:ARG:HB3	14	0.13
(1,5496)	1:1910:C:MET:HE3	2:80:A:SER:HB3	14	0.13
(1,5406)	1:1914:C:VAL:HG11	1:1918:C:LYS:HA	6	0.13
(1,5406)	1:1914:C:VAL:HG12	1:1918:C:LYS:HA	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5406)	1:1914:C:VAL:HG13	1:1918:C:LYS:HA	6	0.13
(1,5401)	1:1914:C:VAL:HG21	2:85:B:MET:HB2	1	0.13
(1,5401)	1:1914:C:VAL:HG22	2:85:B:MET:HB2	1	0.13
(1,5401)	1:1914:C:VAL:HG23	2:85:B:MET:HB2	1	0.13
(1,5401)	1:1914:C:VAL:HG21	2:85:B:MET:HB2	20	0.13
(1,5401)	1:1914:C:VAL:HG22	2:85:B:MET:HB2	20	0.13
(1,5401)	1:1914:C:VAL:HG23	2:85:B:MET:HB2	20	0.13
(1,5361)	1:1917:C:LEU:HD23	1:1913:C:GLU:HB2	13	0.13
(1,5349)	1:1917:C:LEU:HD11	1:1921:C:LEU:HD11	20	0.13
(1,5349)	1:1917:C:LEU:HD11	1:1921:C:LEU:HD12	20	0.13
(1,5349)	1:1917:C:LEU:HD11	1:1921:C:LEU:HD13	20	0.13
(1,5349)	1:1917:C:LEU:HD12	1:1921:C:LEU:HD11	20	0.13
(1,5349)	1:1917:C:LEU:HD12	1:1921:C:LEU:HD12	20	0.13
(1,5349)	1:1917:C:LEU:HD12	1:1921:C:LEU:HD13	20	0.13
(1,5349)	1:1917:C:LEU:HD13	1:1921:C:LEU:HD11	20	0.13
(1,5349)	1:1917:C:LEU:HD13	1:1921:C:LEU:HD12	20	0.13
(1,5349)	1:1917:C:LEU:HD13	1:1921:C:LEU:HD13	20	0.13
(1,5346)	1:1917:C:LEU:HD11	1:1917:C:LEU:HA	10	0.13
(1,5346)	1:1917:C:LEU:HD12	1:1917:C:LEU:HA	10	0.13
(1,5346)	1:1917:C:LEU:HD13	1:1917:C:LEU:HA	10	0.13
(1,5322)	1:1918:C:LYS:HB2	2:84:B:MET:HA	6	0.13
(1,5191)	1:1929:C:VAL:HG11	1:1931:C:PRO:HD3	18	0.13
(1,5191)	1:1929:C:VAL:HG12	1:1931:C:PRO:HD3	18	0.13
(1,5191)	1:1929:C:VAL:HG13	1:1931:C:PRO:HD3	18	0.13
(1,5178)	1:1929:C:VAL:HG11	2:45:B:PHE:HA	17	0.13
(1,5178)	1:1929:C:VAL:HG12	2:45:B:PHE:HA	17	0.13
(1,5178)	1:1929:C:VAL:HG13	2:45:B:PHE:HA	17	0.13
(1,5169)	1:1929:C:VAL:HG11	2:48:B:LYS:H	3	0.13
(1,5169)	1:1929:C:VAL:HG12	2:48:B:LYS:H	3	0.13
(1,5169)	1:1929:C:VAL:HG13	2:48:B:LYS:H	3	0.13
(1,5169)	1:1929:C:VAL:HG11	2:48:B:LYS:H	12	0.13
(1,5169)	1:1929:C:VAL:HG12	2:48:B:LYS:H	12	0.13
(1,5169)	1:1929:C:VAL:HG13	2:48:B:LYS:H	12	0.13
(1,5162)	1:1930:C:VAL:HG21	2:90:B:PHE:HB3	17	0.13
(1,5162)	1:1930:C:VAL:HG22	2:90:B:PHE:HB3	17	0.13
(1,5162)	1:1930:C:VAL:HG23	2:90:B:PHE:HB3	17	0.13
(1,5101)	1:1935:C:ALA:HB1	2:45:B:PHE:HD1	3	0.13
(1,5101)	1:1935:C:ALA:HB1	2:45:B:PHE:HD2	3	0.13
(1,5101)	1:1935:C:ALA:HB2	2:45:B:PHE:HD1	3	0.13
(1,5101)	1:1935:C:ALA:HB2	2:45:B:PHE:HD2	3	0.13
(1,5101)	1:1935:C:ALA:HB3	2:45:B:PHE:HD1	3	0.13
(1,5101)	1:1935:C:ALA:HB3	2:45:B:PHE:HD2	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5089)	1:1898:C:ARG:H	1:1898:C:ARG:HB3	4	0.13
(1,5081)	1:1899:C:GLU:H	2:45:A:PHE:HB3	8	0.13
(1,5021)	1:1907:C:ALA:H	2:61:A:ASN:HA	9	0.13
(1,4946)	1:1913:C:GLU:H	1:1912:C:ARG:HB2	11	0.13
(1,4928)	1:1916:C:SER:H	1:1916:C:SER:HB3	5	0.13
(1,4899)	1:1919:C:ASN:H	1:1922:C:ARG:HB3	5	0.13
(1,4899)	1:1919:C:ASN:H	1:1922:C:ARG:HB3	20	0.13
(1,4717)	1:1898:C:ARG:H	1:1898:C:ARG:HB2	11	0.13
(1,4589)	1:1918:C:LYS:HD2	1:1915:C:SER:HB2	14	0.13
(1,4589)	1:1918:C:LYS:HD2	1:1915:C:SER:HB2	16	0.13
(1,4589)	1:1918:C:LYS:HD2	1:1915:C:SER:HB2	17	0.13
(1,4562)	1:1917:C:LEU:HD11	1:1917:C:LEU:HA	10	0.13
(1,4562)	1:1917:C:LEU:HD12	1:1917:C:LEU:HA	10	0.13
(1,4562)	1:1917:C:LEU:HD13	1:1917:C:LEU:HA	10	0.13
(1,4484)	2:57:B:LYS:HD3	1:1924:C:GLY:H	12	0.13
(1,4483)	2:45:B:PHE:H	1:1930:C:VAL:HA	4	0.13
(1,4483)	2:45:B:PHE:H	1:1930:C:VAL:HA	6	0.13
(1,4483)	2:45:B:PHE:H	1:1930:C:VAL:HA	7	0.13
(1,4483)	2:45:B:PHE:H	1:1930:C:VAL:HA	13	0.13
(1,4483)	2:45:B:PHE:H	1:1930:C:VAL:HA	16	0.13
(1,4483)	2:45:B:PHE:H	1:1930:C:VAL:HA	19	0.13
(1,4412)	2:38:B:LEU:HD22	1:1928:C:PHE:HD2	15	0.13
(1,4313)	1:1913:C:GLU:H	1:1912:C:ARG:HB2	11	0.13
(1,4246)	1:1924:C:GLY:H	1:1923:C:ARG:HB3	10	0.13
(1,4177)	2:46:B:LEU:HD11	1:1927:C:PRO:HG2	6	0.13
(1,4150)	2:61:B:ASN:HA	1:1926:C:LEU:HG	16	0.13
(1,4149)	2:61:B:ASN:HA	1:1921:C:LEU:HD11	17	0.13
(1,4149)	2:61:B:ASN:HA	1:1921:C:LEU:HD12	17	0.13
(1,4149)	2:61:B:ASN:HA	1:1921:C:LEU:HD13	17	0.13
(1,4069)	2:85:B:MET:HE2	1:1922:C:ARG:H	2	0.13
(1,4055)	2:85:B:MET:HE2	1:1918:C:LYS:HG2	6	0.13
(1,4055)	2:85:B:MET:HE2	1:1918:C:LYS:HG2	20	0.13
(1,3969)	2:77:B:VAL:HG23	1:1914:C:VAL:HA	13	0.13
(1,3933)	2:77:A:VAL:HG22	1:1907:C:ALA:HA	2	0.13
(1,3933)	2:77:A:VAL:HG21	1:1907:C:ALA:HA	20	0.13
(1,3886)	2:82:A:ILE:HD13	1:1900:C:LEU:HD21	7	0.13
(1,3886)	2:82:A:ILE:HD13	1:1900:C:LEU:HD22	7	0.13
(1,3886)	2:82:A:ILE:HD13	1:1900:C:LEU:HD23	7	0.13
(1,3886)	2:82:A:ILE:HD13	1:1900:C:LEU:HD21	10	0.13
(1,3886)	2:82:A:ILE:HD13	1:1900:C:LEU:HD22	10	0.13
(1,3886)	2:82:A:ILE:HD13	1:1900:C:LEU:HD23	10	0.13
(1,3882)	2:19:A:TYR:HE1	2:36:A:GLU:HG2	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3882)	2:19:A:TYR:HE2	2:36:A:GLU:HG2	14	0.13
(1,3879)	2:72:B:PHE:HE1	2:75:B:TYR:HE1	5	0.13
(1,3879)	2:72:B:PHE:HE1	2:75:B:TYR:HE2	5	0.13
(1,3879)	2:72:B:PHE:HE2	2:75:B:TYR:HE1	5	0.13
(1,3879)	2:72:B:PHE:HE2	2:75:B:TYR:HE2	5	0.13
(1,3814)	2:95:B:ASP:H	2:94:B:PRO:HA	11	0.13
(1,3814)	2:95:B:ASP:H	2:94:B:PRO:HA	18	0.13
(1,3673)	2:84:B:MET:H	2:72:A:PHE:HD1	10	0.13
(1,3673)	2:84:B:MET:H	2:72:A:PHE:HD2	10	0.13
(1,3587)	2:69:B:GLU:H	2:68:B:ASN:HA	2	0.13
(1,3539)	2:61:B:ASN:H	2:62:B:LEU:HG	1	0.13
(1,3539)	2:61:B:ASN:H	2:62:B:LEU:HG	5	0.13
(1,3539)	2:61:B:ASN:H	2:62:B:LEU:HG	8	0.13
(1,3539)	2:61:B:ASN:H	2:62:B:LEU:HG	9	0.13
(1,3539)	2:61:B:ASN:H	2:62:B:LEU:HG	10	0.13
(1,3539)	2:61:B:ASN:H	2:62:B:LEU:HG	11	0.13
(1,3539)	2:61:B:ASN:H	2:62:B:LEU:HG	18	0.13
(1,3482)	2:52:B:GLU:H	2:51:B:ASP:HB3	1	0.13
(1,3420)	2:42:B:LEU:H	2:37:B:LEU:HB3	9	0.13
(1,3341)	2:21:A:GLY:H	2:29:A:LEU:HD22	20	0.13
(1,3227)	2:95:A:ASP:H	2:93:A:PHE:HD1	7	0.13
(1,3227)	2:95:A:ASP:H	2:93:A:PHE:HD2	7	0.13
(1,3075)	2:74:A:GLU:H	2:70:A:VAL:HB	5	0.13
(1,3075)	2:74:A:GLU:H	2:70:A:VAL:HB	10	0.13
(1,3075)	2:74:A:GLU:H	2:70:A:VAL:HB	12	0.13
(1,3067)	2:73:A:GLN:H	2:75:A:TYR:H	10	0.13
(1,2904)	2:51:A:ASP:H	2:46:A:LEU:HB3	1	0.13
(1,2887)	2:49:A:ARG:H	2:49:A:ARG:HB3	4	0.13
(1,2887)	2:49:A:ARG:H	2:49:A:ARG:HB3	18	0.13
(1,2575)	2:4:A:PRO:HA	2:7:B:LYS:HB3	6	0.13
(1,2514)	2:5:B:LEU:HD23	2:8:B:ALA:HB1	11	0.13
(1,2495)	2:5:B:LEU:HD12	2:6:B:GLU:HA	5	0.13
(1,2495)	2:5:B:LEU:HD12	2:6:B:GLU:HA	18	0.13
(1,2434)	2:9:A:LEU:HD11	2:83:B:ALA:HB2	5	0.13
(1,2411)	2:9:A:LEU:HD22	2:83:B:ALA:HB1	12	0.13
(1,2353)	2:10:A:ASP:HA	2:13:A:VAL:HB	14	0.13
(1,2313)	2:12:A:MET:HE1	2:9:B:LEU:H	20	0.13
(1,2312)	2:12:A:MET:HE3	2:78:A:PHE:HD1	11	0.13
(1,2312)	2:12:A:MET:HE3	2:78:A:PHE:HD2	11	0.13
(1,2308)	2:12:A:MET:HE3	2:79:A:LEU:HA	8	0.13
(1,2307)	2:12:A:MET:HE1	2:12:A:MET:HG2	13	0.13
(1,2268)	2:12:B:MET:HE3	2:12:B:MET:HG2	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2238)	2:13:A:VAL:HG22	2:17:A:HIS:HD2	3	0.13
(1,2238)	2:13:A:VAL:HG22	2:17:A:HIS:HD2	13	0.13
(1,2225)	2:13:A:VAL:HG13	2:16:A:PHE:HB2	10	0.13
(1,2221)	2:13:A:VAL:HG13	2:86:B:CYS:HB3	5	0.13
(1,2215)	2:13:A:VAL:HG13	2:86:B:CYS:H	15	0.13
(1,2110)	2:19:B:TYR:HA	2:22:B:LYS:HD2	1	0.13
(1,2087)	2:22:A:LYS:HB2	2:19:A:TYR:HA	3	0.13
(1,2086)	2:22:B:LYS:HB2	2:19:B:TYR:HA	3	0.13
(1,2045)	2:28:A:LYS:HA	2:75:A:TYR:HD1	19	0.13
(1,2045)	2:28:A:LYS:HA	2:75:A:TYR:HD2	19	0.13
(1,2010)	2:29:B:LEU:HD11	2:34:B:LEU:H	2	0.13
(1,2010)	2:29:B:LEU:HD12	2:34:B:LEU:H	9	0.13
(1,1988)	2:31:A:LYS:HD2	2:55:A:PHE:HD2	9	0.13
(1,1938)	2:34:B:LEU:HD13	2:62:B:LEU:HD13	20	0.13
(1,1930)	2:34:B:LEU:HD12	2:59:B:MET:HG3	20	0.13
(1,1898)	2:34:A:LEU:HD12	2:59:A:MET:HG2	3	0.13
(1,1793)	2:36:A:GLU:HB3	2:19:A:TYR:HE1	1	0.13
(1,1793)	2:36:A:GLU:HB3	2:19:A:TYR:HE2	1	0.13
(1,1757)	2:38:B:LEU:HD23	2:38:B:LEU:HG	8	0.13
(1,1757)	2:38:B:LEU:HD23	2:38:B:LEU:HG	11	0.13
(1,1757)	2:38:B:LEU:HD21	2:38:B:LEU:HG	18	0.13
(1,1737)	2:38:B:LEU:HD12	2:55:B:PHE:HE1	10	0.13
(1,1737)	2:38:B:LEU:HD12	2:55:B:PHE:HE2	10	0.13
(1,1705)	2:38:A:LEU:HD11	2:50:A:THR:HB	3	0.13
(1,1690)	2:38:A:LEU:HD21	2:38:A:LEU:H	3	0.13
(1,1690)	2:38:A:LEU:HD22	2:38:A:LEU:H	9	0.13
(1,1597)	2:42:B:LEU:HD11	2:43:B:PRO:HD3	6	0.13
(1,1504)	2:46:B:LEU:HD22	2:46:B:LEU:HG	12	0.13
(1,1460)	2:46:A:LEU:HD23	2:47:A:GLY:H	5	0.13
(1,1460)	2:46:A:LEU:HD23	2:47:A:GLY:H	18	0.13
(1,1460)	2:46:A:LEU:HD23	2:47:A:GLY:H	19	0.13
(1,1442)	2:48:B:LYS:HA	2:48:B:LYS:HG3	14	0.13
(1,1438)	2:48:A:LYS:HA	2:48:A:LYS:HD3	7	0.13
(1,1409)	2:49:A:ARG:HD3	2:54:A:ALA:HB2	2	0.13
(1,1328)	2:53:B:ALA:HB1	2:52:B:GLU:HB3	9	0.13
(1,1321)	2:53:A:ALA:HB3	2:55:A:PHE:HD1	10	0.13
(1,1321)	2:53:A:ALA:HB3	2:55:A:PHE:HD2	10	0.13
(1,1302)	2:54:B:ALA:HB2	2:55:B:PHE:H	16	0.13
(1,1285)	2:54:A:ALA:HB3	2:53:A:ALA:H	19	0.13
(1,1270)	2:56:B:GLN:HB2	2:57:B:LYS:HB2	14	0.13
(1,1144)	2:58:A:LEU:HD11	1:1900:C:LEU:HB3	13	0.13
(1,1081)	2:59:B:MET:HE2	2:68:B:ASN:HB2	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1075)	2:59:B:MET:HE3	2:29:B:LEU:HB3	13	0.13
(1,1070)	2:59:B:MET:HE1	2:62:B:LEU:HD21	3	0.13
(1,1047)	2:59:A:MET:HE2	2:33:A:GLU:H	14	0.13
(1,1043)	2:59:A:MET:HE3	2:60:A:SER:H	19	0.13
(1,1036)	2:59:A:MET:HE2	2:59:A:MET:HA	9	0.13
(1,1022)	2:59:A:MET:HG2	2:31:A:LYS:HG2	3	0.13
(1,956)	2:62:B:LEU:HD13	2:78:B:PHE:HZ	8	0.13
(1,936)	2:62:B:LEU:HD12	2:61:B:ASN:HB2	5	0.13
(1,934)	2:62:B:LEU:HD12	2:61:B:ASN:HB3	14	0.13
(1,908)	2:62:A:LEU:HD13	2:62:A:LEU:H	12	0.13
(1,900)	2:62:A:LEU:HD11	2:61:A:ASN:HB3	15	0.13
(1,900)	2:62:A:LEU:HD11	2:61:A:ASN:HB3	19	0.13
(1,869)	2:64:A:SER:HB3	2:74:A:GLU:HG2	6	0.13
(1,744)	2:70:A:VAL:HG23	2:75:A:TYR:H	2	0.13
(1,731)	2:70:A:VAL:HG11	2:74:A:GLU:HG2	5	0.13
(1,703)	2:71:B:ASP:HA	2:75:B:TYR:HD1	10	0.13
(1,703)	2:71:B:ASP:HA	2:75:B:TYR:HD2	10	0.13
(1,628)	2:76:B:CYS:HA	2:12:B:MET:HA	4	0.13
(1,612)	2:77:B:VAL:HG21	2:77:B:VAL:HB	3	0.13
(1,607)	2:77:B:VAL:HG23	1:1914:C:VAL:HA	13	0.13
(1,568)	2:77:A:VAL:HG22	1:1907:C:ALA:HA	2	0.13
(1,568)	2:77:A:VAL:HG21	1:1907:C:ALA:HA	20	0.13
(1,510)	2:79:B:LEU:HD13	2:12:B:MET:HG2	16	0.13
(1,506)	2:79:B:LEU:HD22	2:75:B:TYR:HE1	3	0.13
(1,506)	2:79:B:LEU:HD22	2:75:B:TYR:HE2	3	0.13
(1,506)	2:79:B:LEU:HD22	2:75:B:TYR:HE1	9	0.13
(1,506)	2:79:B:LEU:HD22	2:75:B:TYR:HE2	9	0.13
(1,506)	2:79:B:LEU:HD22	2:75:B:TYR:HE1	10	0.13
(1,506)	2:79:B:LEU:HD22	2:75:B:TYR:HE2	10	0.13
(1,506)	2:79:B:LEU:HD22	2:75:B:TYR:HE1	15	0.13
(1,506)	2:79:B:LEU:HD22	2:75:B:TYR:HE2	15	0.13
(1,506)	2:79:B:LEU:HD22	2:75:B:TYR:HE1	20	0.13
(1,506)	2:79:B:LEU:HD22	2:75:B:TYR:HE2	20	0.13
(1,452)	2:79:A:LEU:HD23	2:82:A:ILE:HG13	11	0.13
(1,452)	2:79:A:LEU:HD22	2:82:A:ILE:HG13	13	0.13
(1,452)	2:79:A:LEU:HD23	2:82:A:ILE:HG13	18	0.13
(1,359)	2:82:B:ILE:HD11	1:1928:C:PHE:HD1	2	0.13
(1,359)	2:82:B:ILE:HD11	1:1928:C:PHE:HD2	2	0.13
(1,359)	2:82:B:ILE:HD11	1:1928:C:PHE:HD1	20	0.13
(1,359)	2:82:B:ILE:HD11	1:1928:C:PHE:HD2	20	0.13
(1,286)	2:83:A:ALA:HA	2:9:B:LEU:HD22	17	0.13
(1,251)	2:84:B:MET:HE1	2:81:B:CYS:HA	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,235)	2:84:B:MET:HA	2:72:A:PHE:HE1	3	0.13
(1,235)	2:84:B:MET:HA	2:72:A:PHE:HE2	3	0.13
(1,235)	2:84:B:MET:HA	2:72:A:PHE:HE1	20	0.13
(1,235)	2:84:B:MET:HA	2:72:A:PHE:HE2	20	0.13
(1,209)	2:84:A:MET:HE1	2:73:B:GLN:HA	1	0.13
(1,203)	2:84:A:MET:HE3	1:1906:C:THR:HG21	17	0.13
(1,203)	2:84:A:MET:HE3	1:1906:C:THR:HG22	17	0.13
(1,203)	2:84:A:MET:HE3	1:1906:C:THR:HG23	17	0.13
(1,180)	2:85:B:MET:HE2	2:85:B:MET:H	5	0.13
(1,179)	2:85:B:MET:HE1	1:1922:C:ARG:H	17	0.13
(1,178)	2:85:B:MET:HE1	1:1928:C:PHE:HZ	14	0.13
(1,163)	2:85:B:MET:HE1	1:1929:C:VAL:HG11	12	0.13
(1,163)	2:85:B:MET:HE1	1:1929:C:VAL:HG12	12	0.13
(1,163)	2:85:B:MET:HE1	1:1929:C:VAL:HG13	12	0.13
(1,149)	2:85:A:MET:HE1	2:45:A:PHE:HA	12	0.13
(1,145)	2:85:A:MET:HE3	2:82:A:ILE:HA	3	0.13
(1,145)	2:85:A:MET:HE3	2:82:A:ILE:HA	9	0.13
(1,145)	2:85:A:MET:HE3	2:82:A:ILE:HA	18	0.13
(1,144)	2:85:A:MET:HE2	2:85:A:MET:HG2	2	0.13
(1,144)	2:85:A:MET:HE2	2:85:A:MET:HG2	9	0.13
(1,139)	2:85:A:MET:HE2	1:1900:C:LEU:HD11	16	0.13
(1,139)	2:85:A:MET:HE2	1:1900:C:LEU:HD12	16	0.13
(1,139)	2:85:A:MET:HE2	1:1900:C:LEU:HD13	16	0.13
(1,85)	2:87:B:ASN:HA	2:72:A:PHE:HZ	3	0.13
(1,64)	2:88:A:GLU:HB3	2:85:A:MET:HA	9	0.13
(2,49)	1:1935:C:ALA:HB1	1:1932:C:ARG:HA	1	0.12
(2,49)	1:1935:C:ALA:HB2	1:1932:C:ARG:HA	1	0.12
(2,49)	1:1935:C:ALA:HB3	1:1932:C:ARG:HA	1	0.12
(2,46)	1:1916:C:SER:H	1:1912:C:ARG:HB2	17	0.12
(2,46)	1:1916:C:SER:H	1:1912:C:ARG:HB2	19	0.12
(2,27)	2:47:B:GLY:H	1:1929:C:VAL:HA	2	0.12
(2,18)	2:28:A:LYS:HD3	2:20:A:SER:HB2	11	0.12
(2,18)	2:28:A:LYS:HD3	2:20:A:SER:HB2	19	0.12
(2,17)	2:31:B:LYS:HD3	2:32:B:SER:H	12	0.12
(2,16)	2:34:B:LEU:HG	2:75:B:TYR:HB2	16	0.12
(2,15)	2:35:A:LYS:HE3	2:50:A:THR:HB	19	0.12
(2,1)	2:91:B:GLU:HA	2:27:A:PHE:HD1	4	0.12
(2,1)	2:91:B:GLU:HA	2:27:A:PHE:HD2	4	0.12
(1,7018)	2:19:B:TYR:HE2	2:36:B:GLU:HG3	3	0.12
(1,7018)	2:19:A:TYR:HE2	2:41:A:GLU:HB2	13	0.12
(1,7015)	2:19:B:TYR:HE1	2:36:B:GLU:HB3	9	0.12
(1,7005)	2:72:A:PHE:HE1	2:13:A:VAL:HG23	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6949)	2:80:B:SER:H	2:82:B:ILE:HG13	7	0.12
(1,6922)	2:60:B:SER:H	2:58:B:LEU:HD12	14	0.12
(1,6841)	2:80:A:SER:H	2:77:A:VAL:HG21	2	0.12
(1,6828)	2:75:A:TYR:H	2:29:A:LEU:HD13	3	0.12
(1,6815)	2:62:A:LEU:H	1:1908:C:ASP:H	3	0.12
(1,6811)	2:61:A:ASN:H	2:57:A:LYS:HD2	3	0.12
(1,6790)	2:41:A:GLU:H	2:19:A:TYR:HE2	3	0.12
(1,6717)	2:23:A:GLU:H	2:23:A:GLU:HG2	6	0.12
(1,6714)	2:23:A:GLU:H	2:22:A:LYS:HB3	19	0.12
(1,6706)	2:23:B:GLU:H	2:26:B:LYS:HA	16	0.12
(1,6651)	2:101:B:LYS:H	2:101:B:LYS:HA	4	0.12
(1,6651)	2:101:B:LYS:H	2:101:B:LYS:HA	17	0.12
(1,6651)	2:101:B:LYS:H	2:101:B:LYS:HA	19	0.12
(1,6564)	2:7:A:LYS:HB3	2:6:A:GLU:H	17	0.12
(1,6556)	2:8:A:ALA:HB1	2:11:B:VAL:HA	15	0.12
(1,6551)	2:8:B:ALA:HB2	2:5:B:LEU:HD23	9	0.12
(1,6542)	2:8:A:ALA:HB1	2:4:A:PRO:HB2	6	0.12
(1,6533)	2:8:B:ALA:HA	2:11:B:VAL:HG13	2	0.12
(1,6533)	2:8:B:ALA:HA	2:11:B:VAL:HG13	3	0.12
(1,6523)	2:9:A:LEU:HD12	2:11:A:VAL:H	11	0.12
(1,6516)	2:9:B:LEU:HD22	2:12:B:MET:HG3	16	0.12
(1,6508)	2:9:B:LEU:HD11	2:9:B:LEU:HG	6	0.12
(1,6489)	2:11:A:VAL:HG11	2:8:A:ALA:H	6	0.12
(1,6488)	2:11:A:VAL:HG12	2:8:B:ALA:H	9	0.12
(1,6488)	2:11:B:VAL:HG11	2:8:B:ALA:H	11	0.12
(1,6476)	2:11:A:VAL:HG12	2:7:A:LYS:HG3	4	0.12
(1,6452)	2:12:A:MET:HE1	2:79:A:LEU:HG	6	0.12
(1,6408)	2:13:B:VAL:HB	2:10:B:ASP:HA	14	0.12
(1,6402)	2:15:A:THR:HG21	2:37:A:LEU:H	10	0.12
(1,6399)	2:15:A:THR:HG21	2:41:A:GLU:HA	6	0.12
(1,6399)	2:15:A:THR:HG21	2:41:A:GLU:HA	13	0.12
(1,6369)	2:19:B:TYR:HA	2:22:B:LYS:HD2	14	0.12
(1,6354)	2:22:B:LYS:HD2	2:19:B:TYR:HD1	15	0.12
(1,6340)	2:22:A:LYS:HA	2:22:A:LYS:HG3	19	0.12
(1,6322)	2:23:A:GLU:HB2	2:30:A:ASN:HD21	1	0.12
(1,6235)	2:29:A:LEU:HD11	2:34:A:LEU:H	1	0.12
(1,6235)	2:29:A:LEU:HD13	2:75:A:TYR:H	3	0.12
(1,6195)	2:33:A:GLU:HA	2:37:A:LEU:HD13	9	0.12
(1,6157)	2:36:A:GLU:HG2	2:40:A:ARG:HD3	5	0.12
(1,6144)	2:37:B:LEU:HD13	2:12:B:MET:HA	16	0.12
(1,6108)	2:38:B:LEU:HD12	2:34:B:LEU:HD22	5	0.12
(1,6108)	2:38:B:LEU:HD11	2:34:B:LEU:HD23	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6099)	2:38:B:LEU:HD21	2:39:B:THR:HA	3	0.12
(1,6091)	2:38:A:LEU:HD11	2:34:A:LEU:HG	9	0.12
(1,6091)	2:38:A:LEU:HD11	2:34:A:LEU:HG	10	0.12
(1,6087)	2:38:A:LEU:HD21	2:39:A:THR:HA	3	0.12
(1,6047)	2:42:B:LEU:HD13	2:79:B:LEU:HD22	13	0.12
(1,6038)	2:42:A:LEU:HD13	2:6:B:GLU:HA	4	0.12
(1,6027)	2:45:A:PHE:HA	1:1900:C:LEU:HD13	20	0.12
(1,6024)	2:46:B:LEU:HD12	2:39:B:THR:H	1	0.12
(1,6024)	2:46:B:LEU:HD12	2:39:B:THR:H	15	0.12
(1,6024)	2:46:B:LEU:HD12	2:39:B:THR:H	18	0.12
(1,5971)	2:58:B:LEU:HD11	1:1921:C:LEU:HB2	14	0.12
(1,5956)	2:59:B:MET:HE3	2:70:B:VAL:HG22	4	0.12
(1,5956)	2:59:B:MET:HE3	2:70:B:VAL:HG23	18	0.12
(1,5946)	2:59:A:MET:HE1	2:30:A:ASN:HB3	6	0.12
(1,5934)	2:55:B:PHE:HA	2:56:B:GLN:HG2	18	0.12
(1,5922)	2:62:B:LEU:HD23	2:58:B:LEU:HD13	17	0.12
(1,5919)	2:62:B:LEU:HD13	2:34:B:LEU:HD23	9	0.12
(1,5899)	2:29:B:LEU:HD22	2:19:B:TYR:HB3	9	0.12
(1,5899)	2:29:B:LEU:HD21	2:19:B:TYR:HB3	12	0.12
(1,5891)	2:64:B:SER:HB2	2:65:B:ASN:HB3	18	0.12
(1,5832)	2:77:B:VAL:HA	2:79:B:LEU:HA	9	0.12
(1,5809)	2:79:A:LEU:HD11	2:13:A:VAL:H	3	0.12
(1,5809)	2:79:A:LEU:HD11	2:13:A:VAL:H	5	0.12
(1,5809)	2:79:A:LEU:HD13	2:13:A:VAL:H	8	0.12
(1,5806)	2:79:A:LEU:HD22	2:12:A:MET:HG3	4	0.12
(1,5804)	2:79:A:LEU:HD21	2:12:A:MET:HE1	13	0.12
(1,5762)	2:83:A:ALA:HB1	2:82:A:ILE:H	4	0.12
(1,5661)	1:1900:C:LEU:HD13	2:45:A:PHE:HA	4	0.12
(1,5661)	1:1900:C:LEU:HD13	2:45:A:PHE:HA	20	0.12
(1,5660)	1:1900:C:LEU:HD21	2:50:A:THR:HB	2	0.12
(1,5660)	1:1900:C:LEU:HD22	2:50:A:THR:HB	2	0.12
(1,5660)	1:1900:C:LEU:HD23	2:50:A:THR:HB	2	0.12
(1,5654)	1:1900:C:LEU:HD21	2:78:A:PHE:HE1	9	0.12
(1,5654)	1:1900:C:LEU:HD21	2:78:A:PHE:HE2	9	0.12
(1,5654)	1:1900:C:LEU:HD22	2:78:A:PHE:HE1	9	0.12
(1,5654)	1:1900:C:LEU:HD22	2:78:A:PHE:HE2	9	0.12
(1,5654)	1:1900:C:LEU:HD23	2:78:A:PHE:HE1	9	0.12
(1,5654)	1:1900:C:LEU:HD23	2:78:A:PHE:HE2	9	0.12
(1,5654)	1:1900:C:LEU:HD21	2:78:A:PHE:HE1	17	0.12
(1,5654)	1:1900:C:LEU:HD21	2:78:A:PHE:HE2	17	0.12
(1,5654)	1:1900:C:LEU:HD22	2:78:A:PHE:HE1	17	0.12
(1,5654)	1:1900:C:LEU:HD22	2:78:A:PHE:HE2	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5654)	1:1900:C:LEU:HD23	2:78:A:PHE:HE1	17	0.12
(1,5654)	1:1900:C:LEU:HD23	2:78:A:PHE:HE2	17	0.12
(1,5650)	1:1900:C:LEU:HD11	2:59:A:MET:H	3	0.12
(1,5650)	1:1900:C:LEU:HD12	2:59:A:MET:H	3	0.12
(1,5650)	1:1900:C:LEU:HD13	2:59:A:MET:H	3	0.12
(1,5650)	1:1900:C:LEU:HD11	2:59:A:MET:H	11	0.12
(1,5650)	1:1900:C:LEU:HD12	2:59:A:MET:H	11	0.12
(1,5650)	1:1900:C:LEU:HD13	2:59:A:MET:H	11	0.12
(1,5650)	1:1900:C:LEU:HD11	2:59:A:MET:H	16	0.12
(1,5650)	1:1900:C:LEU:HD12	2:59:A:MET:H	16	0.12
(1,5650)	1:1900:C:LEU:HD13	2:59:A:MET:H	16	0.12
(1,5595)	1:1904:C:THR:HG21	1:1900:C:LEU:HB3	6	0.12
(1,5595)	1:1904:C:THR:HG22	1:1900:C:LEU:HB3	6	0.12
(1,5595)	1:1904:C:THR:HG23	1:1900:C:LEU:HB3	6	0.12
(1,5569)	1:1906:C:THR:HG21	1:1905:C:GLU:HG3	11	0.12
(1,5569)	1:1906:C:THR:HG22	1:1905:C:GLU:HG3	11	0.12
(1,5569)	1:1906:C:THR:HG23	1:1905:C:GLU:HG3	11	0.12
(1,5506)	1:1910:C:MET:HE1	2:80:A:SER:H	6	0.12
(1,5490)	1:1910:C:MET:HE1	2:77:B:VAL:HB	18	0.12
(1,5391)	1:1914:C:VAL:HG11	2:77:B:VAL:HB	18	0.12
(1,5364)	1:1917:C:LEU:HD21	1:1920:C:LYS:HG3	2	0.12
(1,5364)	1:1917:C:LEU:HD22	1:1920:C:LYS:HG3	2	0.12
(1,5364)	1:1917:C:LEU:HD23	1:1920:C:LYS:HG3	2	0.12
(1,5346)	1:1917:C:LEU:HD11	1:1917:C:LEU:HA	19	0.12
(1,5346)	1:1917:C:LEU:HD12	1:1917:C:LEU:HA	19	0.12
(1,5346)	1:1917:C:LEU:HD13	1:1917:C:LEU:HA	19	0.12
(1,5322)	1:1918:C:LYS:HB2	2:84:B:MET:HA	15	0.12
(1,5298)	1:1921:C:LEU:HD11	1:1917:C:LEU:HD21	8	0.12
(1,5298)	1:1921:C:LEU:HD11	1:1917:C:LEU:HD22	8	0.12
(1,5298)	1:1921:C:LEU:HD11	1:1917:C:LEU:HD23	8	0.12
(1,5298)	1:1921:C:LEU:HD12	1:1917:C:LEU:HD21	8	0.12
(1,5298)	1:1921:C:LEU:HD12	1:1917:C:LEU:HD22	8	0.12
(1,5298)	1:1921:C:LEU:HD12	1:1917:C:LEU:HD23	8	0.12
(1,5298)	1:1921:C:LEU:HD13	1:1917:C:LEU:HD21	8	0.12
(1,5298)	1:1921:C:LEU:HD13	1:1917:C:LEU:HD22	8	0.12
(1,5298)	1:1921:C:LEU:HD13	1:1917:C:LEU:HD23	8	0.12
(1,5191)	1:1929:C:VAL:HG11	1:1931:C:PRO:HD3	4	0.12
(1,5191)	1:1929:C:VAL:HG12	1:1931:C:PRO:HD3	4	0.12
(1,5191)	1:1929:C:VAL:HG13	1:1931:C:PRO:HD3	4	0.12
(1,5180)	1:1929:C:VAL:HG21	2:45:B:PHE:HA	9	0.12
(1,5180)	1:1929:C:VAL:HG22	2:45:B:PHE:HA	9	0.12
(1,5180)	1:1929:C:VAL:HG23	2:45:B:PHE:HA	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5178)	1:1929:C:VAL:HG11	2:45:B:PHE:HA	4	0.12
(1,5178)	1:1929:C:VAL:HG12	2:45:B:PHE:HA	4	0.12
(1,5178)	1:1929:C:VAL:HG13	2:45:B:PHE:HA	4	0.12
(1,5178)	1:1929:C:VAL:HG11	2:45:B:PHE:HA	6	0.12
(1,5178)	1:1929:C:VAL:HG12	2:45:B:PHE:HA	6	0.12
(1,5178)	1:1929:C:VAL:HG13	2:45:B:PHE:HA	6	0.12
(1,5178)	1:1929:C:VAL:HG11	2:45:B:PHE:HA	12	0.12
(1,5178)	1:1929:C:VAL:HG12	2:45:B:PHE:HA	12	0.12
(1,5178)	1:1929:C:VAL:HG13	2:45:B:PHE:HA	12	0.12
(1,5178)	1:1929:C:VAL:HG11	2:45:B:PHE:HA	19	0.12
(1,5178)	1:1929:C:VAL:HG12	2:45:B:PHE:HA	19	0.12
(1,5178)	1:1929:C:VAL:HG13	2:45:B:PHE:HA	19	0.12
(1,5169)	1:1929:C:VAL:HG11	2:48:B:LYS:H	6	0.12
(1,5169)	1:1929:C:VAL:HG12	2:48:B:LYS:H	6	0.12
(1,5169)	1:1929:C:VAL:HG13	2:48:B:LYS:H	6	0.12
(1,5128)	1:1934:C:MET:HE2	2:13:A:VAL:HA	15	0.12
(1,5115)	1:1934:C:MET:HE1	1:1933:C:ARG:HA	13	0.12
(1,5115)	1:1934:C:MET:HE2	1:1933:C:ARG:HA	13	0.12
(1,5115)	1:1934:C:MET:HE3	1:1933:C:ARG:HA	13	0.12
(1,5098)	1:1935:C:ALA:HB1	1:1933:C:ARG:HD3	13	0.12
(1,5098)	1:1935:C:ALA:HB2	1:1933:C:ARG:HD3	13	0.12
(1,5098)	1:1935:C:ALA:HB3	1:1933:C:ARG:HD3	13	0.12
(1,5089)	1:1898:C:ARG:H	1:1898:C:ARG:HB3	2	0.12
(1,5089)	1:1898:C:ARG:H	1:1898:C:ARG:HB3	5	0.12
(1,5089)	1:1898:C:ARG:H	1:1898:C:ARG:HB3	12	0.12
(1,5089)	1:1898:C:ARG:H	1:1898:C:ARG:HB3	19	0.12
(1,5053)	1:1904:C:THR:H	1:1902:C:ASP:HB3	3	0.12
(1,4997)	1:1910:C:MET:H	2:77:A:VAL:HG22	7	0.12
(1,4899)	1:1919:C:ASN:H	1:1922:C:ARG:HB3	17	0.12
(1,4898)	1:1919:C:ASN:H	1:1918:C:LYS:HB3	9	0.12
(1,4898)	1:1919:C:ASN:H	1:1918:C:LYS:HB3	10	0.12
(1,4846)	1:1926:C:LEU:H	2:54:B:ALA:HA	9	0.12
(1,4846)	1:1926:C:LEU:H	2:54:B:ALA:HA	14	0.12
(1,4751)	2:64:B:SER:H	1:1917:C:LEU:HD13	17	0.12
(1,4724)	2:82:A:ILE:HD11	1:1900:C:LEU:HD21	4	0.12
(1,4724)	2:82:A:ILE:HD11	1:1900:C:LEU:HD22	4	0.12
(1,4724)	2:82:A:ILE:HD11	1:1900:C:LEU:HD23	4	0.12
(1,4594)	2:83:B:ALA:H	1:1918:C:LYS:HB3	19	0.12
(1,4593)	1:1914:C:VAL:H	1:1915:C:SER:HB2	4	0.12
(1,4589)	1:1918:C:LYS:HD2	1:1915:C:SER:HB2	3	0.12
(1,4589)	1:1918:C:LYS:HD2	1:1915:C:SER:HB2	5	0.12
(1,4562)	1:1917:C:LEU:HD11	1:1917:C:LEU:HA	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4562)	1:1917:C:LEU:HD12	1:1917:C:LEU:HA	19	0.12
(1,4562)	1:1917:C:LEU:HD13	1:1917:C:LEU:HA	19	0.12
(1,4533)	1:1923:C:ARG:HB3	1:1920:C:LYS:HA	3	0.12
(1,4526)	1:1921:C:LEU:HB3	1:1920:C:LYS:H	12	0.12
(1,4522)	1:1920:C:LYS:H	1:1921:C:LEU:HB3	12	0.12
(1,4314)	1:1912:C:ARG:H	1:1912:C:ARG:HB2	11	0.12
(1,4281)	1:1917:C:LEU:H	1:1917:C:LEU:HA	1	0.12
(1,4281)	1:1917:C:LEU:H	1:1917:C:LEU:HA	2	0.12
(1,4281)	1:1917:C:LEU:H	1:1917:C:LEU:HA	11	0.12
(1,4281)	1:1917:C:LEU:H	1:1917:C:LEU:HA	16	0.12
(1,4281)	1:1917:C:LEU:H	1:1917:C:LEU:HA	17	0.12
(1,4179)	2:46:A:LEU:HD23	1:1900:C:LEU:HG	12	0.12
(1,4178)	2:46:A:LEU:HD23	1:1897:C:GLN:HG2	5	0.12
(1,4149)	2:61:B:ASN:HA	1:1921:C:LEU:HD11	4	0.12
(1,4149)	2:61:B:ASN:HA	1:1921:C:LEU:HD12	4	0.12
(1,4149)	2:61:B:ASN:HA	1:1921:C:LEU:HD13	4	0.12
(1,4149)	2:61:B:ASN:HA	1:1921:C:LEU:HD11	13	0.12
(1,4149)	2:61:B:ASN:HA	1:1921:C:LEU:HD12	13	0.12
(1,4149)	2:61:B:ASN:HA	1:1921:C:LEU:HD13	13	0.12
(1,4055)	2:85:B:MET:HE2	1:1918:C:LYS:HG2	7	0.12
(1,4036)	2:85:A:MET:HG3	1:1903:C:ALA:HB1	10	0.12
(1,4036)	2:85:A:MET:HG3	1:1903:C:ALA:HB2	10	0.12
(1,4036)	2:85:A:MET:HG3	1:1903:C:ALA:HB3	10	0.12
(1,3969)	2:77:B:VAL:HG23	1:1914:C:VAL:HA	19	0.12
(1,3939)	2:77:A:VAL:HG22	1:1910:C:MET:H	7	0.12
(1,3886)	2:82:A:ILE:HD11	1:1900:C:LEU:HD21	1	0.12
(1,3886)	2:82:A:ILE:HD11	1:1900:C:LEU:HD22	1	0.12
(1,3886)	2:82:A:ILE:HD11	1:1900:C:LEU:HD23	1	0.12
(1,3820)	2:78:A:PHE:H	2:78:A:PHE:HE1	1	0.12
(1,3820)	2:78:A:PHE:H	2:78:A:PHE:HE2	1	0.12
(1,3820)	2:78:A:PHE:H	2:78:A:PHE:HE1	10	0.12
(1,3820)	2:78:A:PHE:H	2:78:A:PHE:HE2	10	0.12
(1,3814)	2:95:B:ASP:H	2:94:B:PRO:HA	15	0.12
(1,3796)	2:27:B:PHE:H	2:27:B:PHE:HD1	3	0.12
(1,3796)	2:27:B:PHE:H	2:27:B:PHE:HD2	3	0.12
(1,3758)	2:96:B:LYS:H	2:93:B:PHE:HB3	12	0.12
(1,3590)	2:69:B:GLU:H	2:28:B:LYS:HD2	15	0.12
(1,3541)	2:61:B:ASN:H	2:62:B:LEU:HD12	13	0.12
(1,3540)	2:61:B:ASN:H	1:1917:C:LEU:HD21	7	0.12
(1,3540)	2:61:B:ASN:H	1:1917:C:LEU:HD22	7	0.12
(1,3540)	2:61:B:ASN:H	1:1917:C:LEU:HD23	7	0.12
(1,3539)	2:61:B:ASN:H	2:62:B:LEU:HG	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3539)	2:61:B:ASN:H	2:62:B:LEU:HG	12	0.12
(1,3539)	2:61:B:ASN:H	2:62:B:LEU:HG	19	0.12
(1,3539)	2:61:B:ASN:H	2:62:B:LEU:HG	20	0.12
(1,3420)	2:42:B:LEU:H	2:37:B:LEU:HB3	5	0.12
(1,3420)	2:42:B:LEU:H	2:37:B:LEU:HB3	15	0.12
(1,3420)	2:42:B:LEU:H	2:37:B:LEU:HB3	18	0.12
(1,3341)	2:21:A:GLY:H	2:29:A:LEU:HD21	3	0.12
(1,3230)	2:95:A:ASP:H	2:94:A:PRO:HA	1	0.12
(1,3218)	2:93:A:PHE:H	2:93:A:PHE:HA	8	0.12
(1,3218)	2:93:A:PHE:H	2:93:A:PHE:HA	10	0.12
(1,3216)	2:93:A:PHE:H	2:93:A:PHE:HD1	18	0.12
(1,3216)	2:93:A:PHE:H	2:93:A:PHE:HD2	18	0.12
(1,3163)	2:86:A:CYS:H	2:9:B:LEU:HB2	5	0.12
(1,3075)	2:74:A:GLU:H	2:70:A:VAL:HB	6	0.12
(1,3075)	2:74:A:GLU:H	2:70:A:VAL:HB	9	0.12
(1,3075)	2:74:A:GLU:H	2:70:A:VAL:HB	15	0.12
(1,3075)	2:74:A:GLU:H	2:70:A:VAL:HB	18	0.12
(1,2893)	2:50:A:THR:H	2:49:A:ARG:HA	16	0.12
(1,2618)	2:3:A:CYS:H	2:41:B:GLU:HG2	2	0.12
(1,2546)	2:5:A:LEU:HD23	2:12:B:MET:HG3	11	0.12
(1,2522)	2:5:B:LEU:HD21	2:9:B:LEU:H	13	0.12
(1,2522)	2:5:B:LEU:HD21	2:9:B:LEU:H	20	0.12
(1,2410)	2:9:A:LEU:HD23	2:5:A:LEU:HG	2	0.12
(1,2410)	2:9:A:LEU:HD22	2:5:A:LEU:HG	10	0.12
(1,2352)	2:10:B:ASP:HA	2:13:B:VAL:HB	14	0.12
(1,2331)	2:11:A:VAL:HG13	2:7:A:LYS:HG2	1	0.12
(1,2312)	2:12:A:MET:HE3	2:78:A:PHE:HD1	14	0.12
(1,2312)	2:12:A:MET:HE3	2:78:A:PHE:HD2	14	0.12
(1,2308)	2:12:A:MET:HE3	2:79:A:LEU:HA	11	0.12
(1,2308)	2:12:A:MET:HE1	2:79:A:LEU:HA	13	0.12
(1,2307)	2:12:A:MET:HE1	2:12:A:MET:HG2	6	0.12
(1,2307)	2:12:A:MET:HE1	2:12:A:MET:HG2	16	0.12
(1,2307)	2:12:A:MET:HE1	2:12:A:MET:HG2	20	0.12
(1,2268)	2:12:B:MET:HE3	2:12:B:MET:HG2	15	0.12
(1,2258)	2:12:B:MET:HG3	2:5:A:LEU:HD23	2	0.12
(1,2225)	2:13:A:VAL:HG11	2:16:A:PHE:HB2	18	0.12
(1,2207)	2:13:A:VAL:HG11	2:72:A:PHE:HZ	20	0.12
(1,2181)	2:15:B:THR:HG23	2:41:B:GLU:HB2	11	0.12
(1,2180)	2:15:B:THR:HG23	2:37:B:LEU:HD23	14	0.12
(1,2164)	2:16:A:PHE:HA	2:16:A:PHE:HD1	4	0.12
(1,2164)	2:16:A:PHE:HA	2:16:A:PHE:HD2	4	0.12
(1,2110)	2:19:B:TYR:HA	2:22:B:LYS:HD2	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2091)	2:22:B:LYS:HG3	2:22:B:LYS:HE2	13	0.12
(1,2091)	2:22:B:LYS:HG3	2:22:B:LYS:HE2	14	0.12
(1,2087)	2:22:A:LYS:HB2	2:19:A:TYR:HA	6	0.12
(1,2086)	2:22:B:LYS:HB2	2:19:B:TYR:HA	6	0.12
(1,2026)	2:29:A:LEU:HD13	2:34:A:LEU:HA	12	0.12
(1,2014)	2:29:A:LEU:HD12	2:27:A:PHE:HD1	12	0.12
(1,2014)	2:29:A:LEU:HD12	2:27:A:PHE:HD2	12	0.12
(1,2010)	2:29:B:LEU:HD13	2:34:B:LEU:H	17	0.12
(1,1930)	2:34:B:LEU:HD12	2:59:B:MET:HG3	15	0.12
(1,1878)	2:35:B:LYS:HE3	2:55:B:PHE:HD1	20	0.12
(1,1878)	2:35:B:LYS:HE3	2:55:B:PHE:HD2	20	0.12
(1,1845)	2:35:A:LYS:HD3	2:32:A:SER:HA	15	0.12
(1,1800)	2:36:A:GLU:HG2	2:33:A:GLU:HA	15	0.12
(1,1737)	2:38:B:LEU:HD13	2:55:B:PHE:HE1	2	0.12
(1,1737)	2:38:B:LEU:HD13	2:55:B:PHE:HE2	2	0.12
(1,1709)	2:38:A:LEU:HD11	2:42:A:LEU:HD21	11	0.12
(1,1698)	2:38:A:LEU:HD13	2:78:A:PHE:HD1	6	0.12
(1,1698)	2:38:A:LEU:HD13	2:78:A:PHE:HD2	6	0.12
(1,1698)	2:38:A:LEU:HD11	2:78:A:PHE:HD1	15	0.12
(1,1698)	2:38:A:LEU:HD11	2:78:A:PHE:HD2	15	0.12
(1,1690)	2:38:A:LEU:HD21	2:38:A:LEU:H	19	0.12
(1,1655)	2:39:A:THR:HG22	2:35:A:LYS:HE3	2	0.12
(1,1651)	2:39:A:THR:HB	2:40:A:ARG:HG3	19	0.12
(1,1597)	2:42:B:LEU:HD11	2:43:B:PRO:HD3	2	0.12
(1,1592)	2:35:B:LYS:HG2	2:36:B:GLU:HG2	16	0.12
(1,1570)	2:42:A:LEU:HD11	2:19:A:TYR:HD1	16	0.12
(1,1570)	2:42:A:LEU:HD11	2:19:A:TYR:HD2	16	0.12
(1,1555)	2:42:A:LEU:HD11	2:43:A:PRO:HD3	16	0.12
(1,1550)	2:42:A:LEU:HD13	2:42:A:LEU:HG	14	0.12
(1,1468)	2:46:A:LEU:HD13	1:1897:C:GLN:HE22	12	0.12
(1,1438)	2:48:A:LYS:HA	2:48:A:LYS:HD3	18	0.12
(1,1420)	2:49:B:ARG:HD3	2:46:B:LEU:HB2	2	0.12
(1,1420)	2:49:B:ARG:HD3	2:46:B:LEU:HB2	10	0.12
(1,1407)	2:49:A:ARG:HG2	2:54:A:ALA:HB3	4	0.12
(1,1373)	2:50:A:THR:HA	2:55:A:PHE:HD1	17	0.12
(1,1373)	2:50:A:THR:HA	2:55:A:PHE:HD2	17	0.12
(1,1362)	2:52:B:GLU:HG3	2:53:B:ALA:HB1	18	0.12
(1,1328)	2:53:B:ALA:HB3	2:52:B:GLU:HB3	1	0.12
(1,1326)	2:53:B:ALA:HA	2:56:B:GLN:HB3	18	0.12
(1,1317)	2:53:A:ALA:HB3	2:52:A:GLU:HG2	13	0.12
(1,1311)	2:54:B:ALA:HB2	2:50:B:THR:HG22	6	0.12
(1,1285)	2:54:A:ALA:HB1	2:53:A:ALA:H	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1270)	2:56:B:GLN:HB2	2:57:B:LYS:HB2	19	0.12
(1,1203)	2:58:B:LEU:HD22	2:78:B:PHE:HZ	3	0.12
(1,1203)	2:58:B:LEU:HD22	2:78:B:PHE:HZ	6	0.12
(1,1088)	2:59:B:MET:HE3	2:69:B:GLU:HA	5	0.12
(1,1080)	2:59:B:MET:HE2	2:59:B:MET:HG2	12	0.12
(1,1078)	2:59:B:MET:HE1	2:59:B:MET:HB2	10	0.12
(1,1070)	2:59:B:MET:HE1	2:62:B:LEU:HD22	1	0.12
(1,1043)	2:59:A:MET:HE3	2:60:A:SER:H	7	0.12
(1,1037)	2:59:A:MET:HE3	2:68:A:ASN:HA	2	0.12
(1,1036)	2:59:A:MET:HE2	2:59:A:MET:HA	15	0.12
(1,1034)	2:59:A:MET:HE1	2:68:A:ASN:HB3	1	0.12
(1,1033)	2:59:A:MET:HE2	2:68:A:ASN:HB2	20	0.12
(1,1022)	2:59:A:MET:HG2	2:31:A:LYS:HG2	16	0.12
(1,1022)	2:59:A:MET:HG2	2:31:A:LYS:HG2	19	0.12
(1,993)	2:60:B:SER:HB3	2:62:B:LEU:H	6	0.12
(1,993)	2:60:B:SER:HB3	2:62:B:LEU:H	19	0.12
(1,942)	2:62:B:LEU:HD21	2:74:B:GLU:HG3	15	0.12
(1,917)	2:29:A:LEU:HD23	2:20:A:SER:HA	4	0.12
(1,870)	2:64:A:SER:HB2	1:1907:C:ALA:HB1	4	0.12
(1,870)	2:64:A:SER:HB2	1:1907:C:ALA:HB2	4	0.12
(1,870)	2:64:A:SER:HB2	1:1907:C:ALA:HB3	4	0.12
(1,777)	2:70:B:VAL:HG23	2:62:B:LEU:HB2	19	0.12
(1,717)	2:70:B:VAL:HG11	2:78:B:PHE:HE1	8	0.12
(1,717)	2:70:B:VAL:HG11	2:78:B:PHE:HE2	8	0.12
(1,679)	2:72:A:PHE:HA	2:72:A:PHE:HD1	4	0.12
(1,679)	2:72:A:PHE:HA	2:72:A:PHE:HD2	4	0.12
(1,628)	2:76:B:CYS:HA	2:12:B:MET:HA	18	0.12
(1,611)	2:77:B:VAL:HG13	2:77:B:VAL:HB	1	0.12
(1,607)	2:77:B:VAL:HG23	1:1914:C:VAL:HA	19	0.12
(1,572)	2:77:A:VAL:HG21	2:81:A:CYS:HG	3	0.12
(1,531)	2:79:B:LEU:HD21	2:79:B:LEU:HA	12	0.12
(1,531)	2:79:B:LEU:HD21	2:79:B:LEU:HA	17	0.12
(1,518)	2:79:B:LEU:HD12	2:5:A:LEU:HD22	2	0.12
(1,506)	2:79:B:LEU:HD22	2:75:B:TYR:HE1	1	0.12
(1,506)	2:79:B:LEU:HD22	2:75:B:TYR:HE2	1	0.12
(1,506)	2:79:B:LEU:HD22	2:75:B:TYR:HE1	19	0.12
(1,506)	2:79:B:LEU:HD22	2:75:B:TYR:HE2	19	0.12
(1,452)	2:79:A:LEU:HD23	2:82:A:ILE:HG13	4	0.12
(1,452)	2:79:A:LEU:HD23	2:82:A:ILE:HG13	15	0.12
(1,452)	2:79:A:LEU:HD23	2:82:A:ILE:HG13	16	0.12
(1,448)	2:79:A:LEU:HD13	2:76:A:CYS:HA	8	0.12
(1,377)	2:82:B:ILE:HD13	2:38:B:LEU:HD21	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,309)	2:82:A:ILE:HG23	2:83:A:ALA:HB2	20	0.12
(1,276)	2:83:A:ALA:HB2	2:82:A:ILE:HG23	20	0.12
(1,209)	2:84:A:MET:HE1	2:73:B:GLN:HA	9	0.12
(1,209)	2:84:A:MET:HE1	2:73:B:GLN:HA	11	0.12
(1,209)	2:84:A:MET:HE1	2:73:B:GLN:HA	20	0.12
(1,180)	2:85:B:MET:HE2	2:85:B:MET:H	3	0.12
(1,165)	2:85:B:MET:HE1	1:1921:C:LEU:HB3	8	0.12
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG21	19	0.12
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG22	19	0.12
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG23	19	0.12
(1,159)	2:85:B:MET:HE3	2:82:B:ILE:HG23	5	0.12
(1,145)	2:85:A:MET:HE3	2:82:A:ILE:HA	12	0.12
(1,145)	2:85:A:MET:HE3	2:82:A:ILE:HA	19	0.12
(1,144)	2:85:A:MET:HE2	2:85:A:MET:HG2	4	0.12
(1,143)	2:85:A:MET:HE3	2:85:A:MET:HB2	8	0.12
(1,85)	2:87:B:ASN:HA	2:72:A:PHE:HZ	14	0.12
(2,46)	1:1916:C:SER:H	1:1912:C:ARG:HB2	10	0.11
(2,38)	2:93:B:PHE:HE1	2:27:A:PHE:HE1	5	0.11
(2,38)	2:93:B:PHE:HE1	2:27:A:PHE:HE2	5	0.11
(2,38)	2:93:B:PHE:HE2	2:27:A:PHE:HE1	5	0.11
(2,38)	2:93:B:PHE:HE2	2:27:A:PHE:HE2	5	0.11
(2,27)	2:47:B:GLY:H	1:1929:C:VAL:HA	5	0.11
(2,16)	2:34:B:LEU:HG	2:75:B:TYR:HB2	19	0.11
(1,6980)	2:78:B:PHE:HE2	2:58:B:LEU:HD11	12	0.11
(1,6975)	2:78:B:PHE:HD2	1:1921:C:LEU:HD12	9	0.11
(1,6966)	2:26:B:LYS:H	2:26:B:LYS:HD3	15	0.11
(1,6815)	2:62:A:LEU:H	1:1908:C:ASP:H	11	0.11
(1,6815)	2:62:A:LEU:H	1:1908:C:ASP:H	14	0.11
(1,6797)	2:47:A:GLY:H	2:46:A:LEU:HA	7	0.11
(1,6790)	2:41:A:GLU:H	2:19:A:TYR:HE2	19	0.11
(1,6733)	2:33:A:GLU:H	2:29:A:LEU:HB2	6	0.11
(1,6701)	2:99:A:ARG:H	2:99:A:ARG:HB3	6	0.11
(1,6688)	2:37:B:LEU:H	2:19:B:TYR:HE1	16	0.11
(1,6651)	2:101:A:LYS:H	2:101:A:LYS:HA	6	0.11
(1,6651)	2:101:B:LYS:H	2:101:B:LYS:HA	10	0.11
(1,6651)	2:101:A:LYS:H	2:101:A:LYS:HA	13	0.11
(1,6645)	2:4:B:PRO:HG3	2:11:A:VAL:HG22	4	0.11
(1,6577)	2:6:B:GLU:HA	2:42:A:LEU:HD11	6	0.11
(1,6565)	2:7:B:LYS:HB3	2:4:A:PRO:HA	2	0.11
(1,6565)	2:7:B:LYS:HB3	2:4:A:PRO:HA	8	0.11
(1,6565)	2:7:B:LYS:HB3	2:4:A:PRO:HA	13	0.11
(1,6556)	2:8:A:ALA:HB3	2:11:B:VAL:HA	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6556)	2:8:A:ALA:HB3	2:11:B:VAL:HA	13	0.11
(1,6556)	2:8:A:ALA:HB1	2:11:B:VAL:HA	18	0.11
(1,6553)	2:8:B:ALA:HB1	2:5:B:LEU:HA	20	0.11
(1,6551)	2:8:B:ALA:HB1	2:5:B:LEU:HD21	16	0.11
(1,6542)	2:8:A:ALA:HB1	2:4:A:PRO:HB2	2	0.11
(1,6542)	2:8:A:ALA:HB1	2:4:A:PRO:HB2	16	0.11
(1,6524)	2:9:A:LEU:HD11	2:6:A:GLU:HA	3	0.11
(1,6523)	2:9:A:LEU:HD12	2:11:A:VAL:H	15	0.11
(1,6516)	2:9:B:LEU:HD23	2:12:B:MET:HG3	6	0.11
(1,6508)	2:9:B:LEU:HD13	2:9:B:LEU:HG	1	0.11
(1,6508)	2:9:B:LEU:HD13	2:9:B:LEU:HG	3	0.11
(1,6508)	2:9:B:LEU:HD11	2:9:B:LEU:HG	4	0.11
(1,6508)	2:9:B:LEU:HD12	2:9:B:LEU:HG	8	0.11
(1,6508)	2:9:B:LEU:HD11	2:9:B:LEU:HG	9	0.11
(1,6508)	2:9:B:LEU:HD11	2:9:B:LEU:HG	10	0.11
(1,6508)	2:9:B:LEU:HD11	2:9:B:LEU:HG	11	0.11
(1,6508)	2:9:B:LEU:HD13	2:9:B:LEU:HG	12	0.11
(1,6508)	2:9:B:LEU:HD12	2:9:B:LEU:HG	13	0.11
(1,6508)	2:9:B:LEU:HD12	2:9:B:LEU:HG	14	0.11
(1,6508)	2:9:B:LEU:HD11	2:9:B:LEU:HG	15	0.11
(1,6508)	2:9:B:LEU:HD12	2:9:B:LEU:HG	16	0.11
(1,6508)	2:9:B:LEU:HD13	2:9:B:LEU:HG	18	0.11
(1,6508)	2:9:B:LEU:HD11	2:9:B:LEU:HG	19	0.11
(1,6508)	2:9:B:LEU:HD11	2:9:B:LEU:HG	20	0.11
(1,6489)	2:11:A:VAL:HG12	2:8:A:ALA:H	17	0.11
(1,6488)	2:11:B:VAL:HG13	2:8:B:ALA:H	2	0.11
(1,6472)	2:11:A:VAL:HA	2:8:B:ALA:HB2	17	0.11
(1,6456)	2:12:A:MET:HE2	2:9:A:LEU:HA	6	0.11
(1,6456)	2:12:A:MET:HE2	2:9:A:LEU:HA	16	0.11
(1,6418)	2:13:A:VAL:HG23	2:83:B:ALA:HB3	18	0.11
(1,6408)	2:13:B:VAL:HB	2:10:B:ASP:HA	17	0.11
(1,6402)	2:15:A:THR:HG21	2:37:A:LEU:H	9	0.11
(1,6402)	2:15:A:THR:HG21	2:37:A:LEU:H	12	0.11
(1,6399)	2:15:A:THR:HG21	2:41:A:GLU:HA	4	0.11
(1,6399)	2:15:A:THR:HG21	2:41:A:GLU:HA	14	0.11
(1,6303)	2:26:B:LYS:HD2	2:26:B:LYS:HA	20	0.11
(1,6295)	2:26:A:LYS:HG3	2:21:A:GLY:HA3	15	0.11
(1,6251)	2:28:A:LYS:HB2	2:69:A:GLU:HB3	2	0.11
(1,6238)	2:29:A:LEU:HD11	2:33:A:GLU:HB2	9	0.11
(1,6158)	2:88:B:GLU:HG3	2:86:B:CYS:HA	1	0.11
(1,6157)	2:36:A:GLU:HG2	2:40:A:ARG:HD3	4	0.11
(1,6157)	2:36:A:GLU:HG2	2:40:A:ARG:HD3	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6145)	2:37:B:LEU:HD23	2:5:A:LEU:HD11	5	0.11
(1,6144)	2:37:A:LEU:HD11	2:12:A:MET:HA	17	0.11
(1,6136)	2:37:B:LEU:HD13	2:36:B:GLU:HB3	9	0.11
(1,6129)	2:37:B:LEU:HD12	2:75:B:TYR:HD2	6	0.11
(1,6129)	2:37:B:LEU:HD12	2:75:B:TYR:HD2	14	0.11
(1,6108)	2:38:B:LEU:HD12	2:58:B:LEU:HD22	12	0.11
(1,6091)	2:38:A:LEU:HD12	2:34:A:LEU:HG	2	0.11
(1,6091)	2:38:A:LEU:HD12	2:34:A:LEU:HG	11	0.11
(1,6068)	2:39:A:THR:HG21	2:46:A:LEU:HD13	12	0.11
(1,6047)	2:42:B:LEU:HD13	2:79:B:LEU:HD22	3	0.11
(1,6047)	2:42:B:LEU:HD13	2:79:B:LEU:HD22	5	0.11
(1,6038)	2:42:A:LEU:HD13	2:6:B:GLU:HA	19	0.11
(1,6032)	2:42:A:LEU:HD11	2:41:A:GLU:HB3	13	0.11
(1,6024)	2:46:B:LEU:HD12	2:39:B:THR:H	20	0.11
(1,6023)	2:46:B:LEU:HD13	2:45:B:PHE:H	18	0.11
(1,6021)	2:46:A:LEU:HD13	2:39:A:THR:HG21	12	0.11
(1,6006)	2:50:B:THR:HG23	2:54:B:ALA:HB3	1	0.11
(1,5984)	2:54:A:ALA:HB2	1:1898:C:ARG:HB2	11	0.11
(1,5974)	2:58:B:LEU:HD23	1:1928:C:PHE:HB2	13	0.11
(1,5956)	2:59:B:MET:HE3	2:70:B:VAL:HG22	7	0.11
(1,5946)	2:59:A:MET:HE3	2:30:A:ASN:HB3	16	0.11
(1,5944)	2:59:A:MET:HE3	2:31:A:LYS:HG3	16	0.11
(1,5929)	2:62:B:LEU:HD12	1:1918:C:LYS:HA	15	0.11
(1,5887)	2:64:A:SER:HB2	2:65:A:ASN:HD21	20	0.11
(1,5834)	2:77:B:VAL:HG12	2:62:B:LEU:HA	4	0.11
(1,5819)	2:79:B:LEU:HD22	2:5:A:LEU:HA	18	0.11
(1,5809)	2:79:A:LEU:HD13	2:13:A:VAL:H	14	0.11
(1,5781)	2:82:A:ILE:HD11	2:42:A:LEU:HB2	3	0.11
(1,5781)	2:82:A:ILE:HD11	2:42:A:LEU:HB2	16	0.11
(1,5781)	2:82:A:ILE:HD11	2:42:A:LEU:HB2	18	0.11
(1,5777)	2:83:A:ALA:HB2	2:13:B:VAL:HG12	16	0.11
(1,5774)	2:83:B:ALA:HB3	2:79:A:LEU:HD11	2	0.11
(1,5762)	2:83:A:ALA:HB2	2:82:A:ILE:H	19	0.11
(1,5761)	2:83:A:ALA:HB3	2:80:A:SER:H	13	0.11
(1,5751)	2:84:A:MET:HE2	2:82:A:ILE:H	3	0.11
(1,5745)	2:85:B:MET:HE3	2:86:B:CYS:HB2	19	0.11
(1,5660)	1:1900:C:LEU:HD21	2:50:A:THR:HB	9	0.11
(1,5660)	1:1900:C:LEU:HD22	2:50:A:THR:HB	9	0.11
(1,5660)	1:1900:C:LEU:HD23	2:50:A:THR:HB	9	0.11
(1,5660)	1:1900:C:LEU:HD21	2:50:A:THR:HB	11	0.11
(1,5660)	1:1900:C:LEU:HD22	2:50:A:THR:HB	11	0.11
(1,5660)	1:1900:C:LEU:HD23	2:50:A:THR:HB	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5654)	1:1900:C:LEU:HD21	2:78:A:PHE:HE1	1	0.11
(1,5654)	1:1900:C:LEU:HD21	2:78:A:PHE:HE2	1	0.11
(1,5654)	1:1900:C:LEU:HD22	2:78:A:PHE:HE1	1	0.11
(1,5654)	1:1900:C:LEU:HD22	2:78:A:PHE:HE2	1	0.11
(1,5654)	1:1900:C:LEU:HD23	2:78:A:PHE:HE1	1	0.11
(1,5654)	1:1900:C:LEU:HD23	2:78:A:PHE:HE2	1	0.11
(1,5654)	1:1900:C:LEU:HD21	2:78:A:PHE:HE1	11	0.11
(1,5654)	1:1900:C:LEU:HD21	2:78:A:PHE:HE2	11	0.11
(1,5654)	1:1900:C:LEU:HD22	2:78:A:PHE:HE1	11	0.11
(1,5654)	1:1900:C:LEU:HD22	2:78:A:PHE:HE2	11	0.11
(1,5654)	1:1900:C:LEU:HD23	2:78:A:PHE:HE1	11	0.11
(1,5654)	1:1900:C:LEU:HD23	2:78:A:PHE:HE2	11	0.11
(1,5654)	1:1900:C:LEU:HD21	2:78:A:PHE:HE1	19	0.11
(1,5654)	1:1900:C:LEU:HD21	2:78:A:PHE:HE2	19	0.11
(1,5654)	1:1900:C:LEU:HD22	2:78:A:PHE:HE1	19	0.11
(1,5654)	1:1900:C:LEU:HD22	2:78:A:PHE:HE2	19	0.11
(1,5654)	1:1900:C:LEU:HD23	2:78:A:PHE:HE1	19	0.11
(1,5654)	1:1900:C:LEU:HD23	2:78:A:PHE:HE2	19	0.11
(1,5652)	1:1900:C:LEU:HD21	2:59:A:MET:H	5	0.11
(1,5652)	1:1900:C:LEU:HD22	2:59:A:MET:H	5	0.11
(1,5652)	1:1900:C:LEU:HD23	2:59:A:MET:H	5	0.11
(1,5652)	1:1900:C:LEU:HD21	2:59:A:MET:H	14	0.11
(1,5652)	1:1900:C:LEU:HD22	2:59:A:MET:H	14	0.11
(1,5652)	1:1900:C:LEU:HD23	2:59:A:MET:H	14	0.11
(1,5624)	1:1903:C:ALA:HB1	2:85:A:MET:HB3	1	0.11
(1,5624)	1:1903:C:ALA:HB2	2:85:A:MET:HB3	1	0.11
(1,5624)	1:1903:C:ALA:HB3	2:85:A:MET:HB3	1	0.11
(1,5624)	1:1903:C:ALA:HB1	2:85:A:MET:HB3	5	0.11
(1,5624)	1:1903:C:ALA:HB2	2:85:A:MET:HB3	5	0.11
(1,5624)	1:1903:C:ALA:HB3	2:85:A:MET:HB3	5	0.11
(1,5624)	1:1903:C:ALA:HB1	2:85:A:MET:HB3	12	0.11
(1,5624)	1:1903:C:ALA:HB2	2:85:A:MET:HB3	12	0.11
(1,5624)	1:1903:C:ALA:HB3	2:85:A:MET:HB3	12	0.11
(1,5616)	1:1903:C:ALA:HB1	1:1906:C:THR:HB	3	0.11
(1,5616)	1:1903:C:ALA:HB2	1:1906:C:THR:HB	3	0.11
(1,5616)	1:1903:C:ALA:HB3	1:1906:C:THR:HB	3	0.11
(1,5569)	1:1906:C:THR:HG21	1:1905:C:GLU:HG3	8	0.11
(1,5569)	1:1906:C:THR:HG22	1:1905:C:GLU:HG3	8	0.11
(1,5569)	1:1906:C:THR:HG23	1:1905:C:GLU:HG3	8	0.11
(1,5569)	1:1906:C:THR:HG21	1:1905:C:GLU:HG3	18	0.11
(1,5569)	1:1906:C:THR:HG22	1:1905:C:GLU:HG3	18	0.11
(1,5569)	1:1906:C:THR:HG23	1:1905:C:GLU:HG3	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5553)	1:1907:C:ALA:HB1	1:1911:C:ASN:HD22	6	0.11
(1,5553)	1:1907:C:ALA:HB2	1:1911:C:ASN:HD22	6	0.11
(1,5553)	1:1907:C:ALA:HB3	1:1911:C:ASN:HD22	6	0.11
(1,5553)	1:1907:C:ALA:HB1	1:1911:C:ASN:HD22	16	0.11
(1,5553)	1:1907:C:ALA:HB2	1:1911:C:ASN:HD22	16	0.11
(1,5553)	1:1907:C:ALA:HB3	1:1911:C:ASN:HD22	16	0.11
(1,5525)	1:1909:C:ALA:HB1	1:1912:C:ARG:HB3	11	0.11
(1,5525)	1:1909:C:ALA:HB2	1:1912:C:ARG:HB3	11	0.11
(1,5525)	1:1909:C:ALA:HB3	1:1912:C:ARG:HB3	11	0.11
(1,5490)	1:1910:C:MET:HE3	2:77:B:VAL:HB	8	0.11
(1,5490)	1:1910:C:MET:HE3	2:77:B:VAL:HB	12	0.11
(1,5485)	1:1910:C:MET:HE2	2:77:A:VAL:HG13	17	0.11
(1,5379)	1:1916:C:SER:HB3	1:1913:C:GLU:HA	5	0.11
(1,5363)	1:1917:C:LEU:HD21	1:1917:C:LEU:HB3	12	0.11
(1,5363)	1:1917:C:LEU:HD22	1:1917:C:LEU:HB3	12	0.11
(1,5363)	1:1917:C:LEU:HD23	1:1917:C:LEU:HB3	12	0.11
(1,5363)	1:1917:C:LEU:HD21	1:1917:C:LEU:HB3	18	0.11
(1,5363)	1:1917:C:LEU:HD22	1:1917:C:LEU:HB3	18	0.11
(1,5363)	1:1917:C:LEU:HD23	1:1917:C:LEU:HB3	18	0.11
(1,5362)	1:1917:C:LEU:HD21	1:1918:C:LYS:HB3	8	0.11
(1,5362)	1:1917:C:LEU:HD22	1:1918:C:LYS:HB3	8	0.11
(1,5362)	1:1917:C:LEU:HD23	1:1918:C:LYS:HB3	8	0.11
(1,5346)	1:1917:C:LEU:HD11	1:1917:C:LEU:HA	9	0.11
(1,5346)	1:1917:C:LEU:HD12	1:1917:C:LEU:HA	9	0.11
(1,5346)	1:1917:C:LEU:HD13	1:1917:C:LEU:HA	9	0.11
(1,5322)	1:1918:C:LYS:HB2	2:84:B:MET:HA	5	0.11
(1,5322)	1:1918:C:LYS:HB2	2:84:B:MET:HA	7	0.11
(1,5235)	1:1926:C:LEU:HD21	2:78:B:PHE:HE1	16	0.11
(1,5235)	1:1926:C:LEU:HD21	2:78:B:PHE:HE2	16	0.11
(1,5235)	1:1926:C:LEU:HD22	2:78:B:PHE:HE1	16	0.11
(1,5235)	1:1926:C:LEU:HD22	2:78:B:PHE:HE2	16	0.11
(1,5235)	1:1926:C:LEU:HD23	2:78:B:PHE:HE1	16	0.11
(1,5235)	1:1926:C:LEU:HD23	2:78:B:PHE:HE2	16	0.11
(1,5216)	1:1926:C:LEU:HD21	1:1921:C:LEU:HA	12	0.11
(1,5216)	1:1926:C:LEU:HD22	1:1921:C:LEU:HA	12	0.11
(1,5216)	1:1926:C:LEU:HD23	1:1921:C:LEU:HA	12	0.11
(1,5191)	1:1929:C:VAL:HG11	1:1931:C:PRO:HD3	9	0.11
(1,5191)	1:1929:C:VAL:HG12	1:1931:C:PRO:HD3	9	0.11
(1,5191)	1:1929:C:VAL:HG13	1:1931:C:PRO:HD3	9	0.11
(1,5188)	1:1929:C:VAL:HG11	2:47:B:GLY:HA3	5	0.11
(1,5188)	1:1929:C:VAL:HG12	2:47:B:GLY:HA3	5	0.11
(1,5188)	1:1929:C:VAL:HG13	2:47:B:GLY:HA3	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5178)	1:1929:C:VAL:HG11	2:45:B:PHE:HA	18	0.11
(1,5178)	1:1929:C:VAL:HG12	2:45:B:PHE:HA	18	0.11
(1,5178)	1:1929:C:VAL:HG13	2:45:B:PHE:HA	18	0.11
(1,5169)	1:1929:C:VAL:HG11	2:48:B:LYS:H	4	0.11
(1,5169)	1:1929:C:VAL:HG12	2:48:B:LYS:H	4	0.11
(1,5169)	1:1929:C:VAL:HG13	2:48:B:LYS:H	4	0.11
(1,5169)	1:1929:C:VAL:HG11	2:48:B:LYS:H	10	0.11
(1,5169)	1:1929:C:VAL:HG12	2:48:B:LYS:H	10	0.11
(1,5169)	1:1929:C:VAL:HG13	2:48:B:LYS:H	10	0.11
(1,5169)	1:1929:C:VAL:HG11	2:48:B:LYS:H	11	0.11
(1,5169)	1:1929:C:VAL:HG12	2:48:B:LYS:H	11	0.11
(1,5169)	1:1929:C:VAL:HG13	2:48:B:LYS:H	11	0.11
(1,5129)	1:1934:C:MET:HE1	1:1931:C:PRO:HG2	20	0.11
(1,5129)	1:1934:C:MET:HE2	1:1931:C:PRO:HG2	20	0.11
(1,5129)	1:1934:C:MET:HE3	1:1931:C:PRO:HG2	20	0.11
(1,5089)	1:1898:C:ARG:H	1:1898:C:ARG:HB3	14	0.11
(1,5075)	1:1900:C:LEU:H	1:1897:C:GLN:HG3	14	0.11
(1,5070)	1:1900:C:LEU:H	1:1899:C:GLU:HG2	10	0.11
(1,5053)	1:1904:C:THR:H	1:1902:C:ASP:HB3	15	0.11
(1,5021)	1:1907:C:ALA:H	2:61:A:ASN:HA	10	0.11
(1,5021)	1:1907:C:ALA:H	2:61:A:ASN:HA	15	0.11
(1,4997)	1:1910:C:MET:H	2:77:A:VAL:HG22	14	0.11
(1,4997)	1:1910:C:MET:H	2:77:A:VAL:HG22	15	0.11
(1,4986)	1:1911:C:ASN:HD22	1:1907:C:ALA:HB1	6	0.11
(1,4986)	1:1911:C:ASN:HD22	1:1907:C:ALA:HB2	6	0.11
(1,4986)	1:1911:C:ASN:HD22	1:1907:C:ALA:HB3	6	0.11
(1,4986)	1:1911:C:ASN:HD22	1:1907:C:ALA:HB1	16	0.11
(1,4986)	1:1911:C:ASN:HD22	1:1907:C:ALA:HB2	16	0.11
(1,4986)	1:1911:C:ASN:HD22	1:1907:C:ALA:HB3	16	0.11
(1,4899)	1:1919:C:ASN:H	1:1922:C:ARG:HB3	13	0.11
(1,4841)	1:1926:C:LEU:H	1:1926:C:LEU:HG	16	0.11
(1,4830)	1:1928:C:PHE:H	1:1926:C:LEU:HB2	16	0.11
(1,4724)	2:82:A:ILE:HD13	1:1900:C:LEU:HD21	17	0.11
(1,4724)	2:82:A:ILE:HD13	1:1900:C:LEU:HD22	17	0.11
(1,4724)	2:82:A:ILE:HD13	1:1900:C:LEU:HD23	17	0.11
(1,4707)	1:1919:C:ASN:HD22	1:1916:C:SER:HA	18	0.11
(1,4646)	1:1907:C:ALA:HB1	1:1911:C:ASN:HD22	6	0.11
(1,4646)	1:1907:C:ALA:HB2	1:1911:C:ASN:HD22	6	0.11
(1,4646)	1:1907:C:ALA:HB3	1:1911:C:ASN:HD22	6	0.11
(1,4646)	1:1907:C:ALA:HB1	1:1911:C:ASN:HD22	16	0.11
(1,4646)	1:1907:C:ALA:HB2	1:1911:C:ASN:HD22	16	0.11
(1,4646)	1:1907:C:ALA:HB3	1:1911:C:ASN:HD22	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4586)	2:77:A:VAL:HG12	1:1915:C:SER:H	2	0.11
(1,4562)	1:1917:C:LEU:HD11	1:1917:C:LEU:HA	9	0.11
(1,4562)	1:1917:C:LEU:HD12	1:1917:C:LEU:HA	9	0.11
(1,4562)	1:1917:C:LEU:HD13	1:1917:C:LEU:HA	9	0.11
(1,4551)	1:1921:C:LEU:HD11	1:1918:C:LYS:HA	2	0.11
(1,4551)	1:1921:C:LEU:HD12	1:1918:C:LYS:HA	2	0.11
(1,4551)	1:1921:C:LEU:HD13	1:1918:C:LYS:HA	2	0.11
(1,4551)	1:1921:C:LEU:HD11	1:1918:C:LYS:HA	6	0.11
(1,4551)	1:1921:C:LEU:HD12	1:1918:C:LYS:HA	6	0.11
(1,4551)	1:1921:C:LEU:HD13	1:1918:C:LYS:HA	6	0.11
(1,4551)	1:1921:C:LEU:HD11	1:1918:C:LYS:HA	8	0.11
(1,4551)	1:1921:C:LEU:HD12	1:1918:C:LYS:HA	8	0.11
(1,4551)	1:1921:C:LEU:HD13	1:1918:C:LYS:HA	8	0.11
(1,4551)	1:1921:C:LEU:HD11	1:1918:C:LYS:HA	9	0.11
(1,4551)	1:1921:C:LEU:HD12	1:1918:C:LYS:HA	9	0.11
(1,4551)	1:1921:C:LEU:HD13	1:1918:C:LYS:HA	9	0.11
(1,4490)	1:1924:C:GLY:H	1:1921:C:LEU:HA	14	0.11
(1,4484)	2:57:B:LYS:HD3	1:1924:C:GLY:H	14	0.11
(1,4483)	2:45:B:PHE:H	1:1930:C:VAL:HA	17	0.11
(1,4390)	1:1928:C:PHE:HZ	1:1929:C:VAL:HG11	4	0.11
(1,4390)	1:1928:C:PHE:HZ	1:1929:C:VAL:HG12	4	0.11
(1,4390)	1:1928:C:PHE:HZ	1:1929:C:VAL:HG13	4	0.11
(1,4281)	1:1917:C:LEU:H	1:1917:C:LEU:HA	4	0.11
(1,4281)	1:1917:C:LEU:H	1:1917:C:LEU:HA	13	0.11
(1,4281)	1:1917:C:LEU:H	1:1917:C:LEU:HA	14	0.11
(1,4281)	1:1917:C:LEU:H	1:1917:C:LEU:HA	18	0.11
(1,4213)	1:1930:C:VAL:H	1:1929:C:VAL:HB	5	0.11
(1,4192)	2:84:A:MET:HE3	1:1910:C:MET:HB2	9	0.11
(1,4192)	2:84:A:MET:HE3	1:1910:C:MET:HB2	11	0.11
(1,4179)	2:46:A:LEU:HD21	1:1900:C:LEU:HG	20	0.11
(1,4149)	2:61:B:ASN:HA	1:1921:C:LEU:HD11	15	0.11
(1,4149)	2:61:B:ASN:HA	1:1921:C:LEU:HD12	15	0.11
(1,4149)	2:61:B:ASN:HA	1:1921:C:LEU:HD13	15	0.11
(1,4125)	2:76:A:CYS:HB3	1:1910:C:MET:HG2	10	0.11
(1,4120)	2:77:B:VAL:HG13	1:1917:C:LEU:H	3	0.11
(1,4038)	2:85:A:MET:HB2	1:1903:C:ALA:HB1	13	0.11
(1,4038)	2:85:A:MET:HB2	1:1903:C:ALA:HB2	13	0.11
(1,4038)	2:85:A:MET:HB2	1:1903:C:ALA:HB3	13	0.11
(1,3939)	2:77:A:VAL:HG22	1:1910:C:MET:H	14	0.11
(1,3939)	2:77:A:VAL:HG22	1:1910:C:MET:H	15	0.11
(1,3882)	2:19:A:TYR:HE1	2:36:A:GLU:HG2	6	0.11
(1,3882)	2:19:A:TYR:HE2	2:36:A:GLU:HG2	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3882)	2:19:A:TYR:HE1	2:36:A:GLU:HG2	15	0.11
(1,3882)	2:19:A:TYR:HE2	2:36:A:GLU:HG2	15	0.11
(1,3879)	2:72:B:PHE:HE1	2:75:B:TYR:HE1	7	0.11
(1,3879)	2:72:B:PHE:HE1	2:75:B:TYR:HE2	7	0.11
(1,3879)	2:72:B:PHE:HE2	2:75:B:TYR:HE1	7	0.11
(1,3879)	2:72:B:PHE:HE2	2:75:B:TYR:HE2	7	0.11
(1,3870)	2:45:B:PHE:HD1	2:42:B:LEU:HD12	16	0.11
(1,3870)	2:45:B:PHE:HD2	2:42:B:LEU:HD12	16	0.11
(1,3793)	2:28:B:LYS:H	2:28:B:LYS:HD3	3	0.11
(1,3793)	2:28:B:LYS:H	2:28:B:LYS:HD3	17	0.11
(1,3764)	2:97:B:GLN:H	2:96:B:LYS:HA	9	0.11
(1,3761)	2:96:B:LYS:H	2:96:B:LYS:HB3	14	0.11
(1,3754)	2:95:B:ASP:H	2:95:B:ASP:HB3	11	0.11
(1,3590)	2:69:B:GLU:H	2:28:B:LYS:HD2	6	0.11
(1,3539)	2:61:B:ASN:H	2:62:B:LEU:HG	13	0.11
(1,3539)	2:61:B:ASN:H	2:62:B:LEU:HG	15	0.11
(1,3420)	2:42:B:LEU:H	2:37:B:LEU:HB3	4	0.11
(1,3420)	2:42:B:LEU:H	2:37:B:LEU:HB3	11	0.11
(1,3341)	2:21:A:GLY:H	2:29:A:LEU:HD22	12	0.11
(1,3218)	2:93:A:PHE:H	2:93:A:PHE:HA	9	0.11
(1,3218)	2:93:A:PHE:H	2:93:A:PHE:HA	16	0.11
(1,3163)	2:86:A:CYS:H	2:9:B:LEU:HB2	1	0.11
(1,3075)	2:74:A:GLU:H	2:70:A:VAL:HB	7	0.11
(1,3075)	2:74:A:GLU:H	2:70:A:VAL:HB	16	0.11
(1,3067)	2:73:A:GLN:H	2:75:A:TYR:H	17	0.11
(1,2618)	2:3:A:CYS:H	2:41:B:GLU:HG2	6	0.11
(1,2618)	2:3:A:CYS:H	2:41:B:GLU:HG2	16	0.11
(1,2618)	2:3:A:CYS:H	2:41:B:GLU:HG2	18	0.11
(1,2575)	2:4:A:PRO:HA	2:7:B:LYS:HB3	2	0.11
(1,2575)	2:4:A:PRO:HA	2:7:B:LYS:HB3	8	0.11
(1,2575)	2:4:A:PRO:HA	2:7:B:LYS:HB3	13	0.11
(1,2552)	2:5:A:LEU:HD22	2:79:B:LEU:HD22	17	0.11
(1,2546)	2:5:A:LEU:HD21	2:12:B:MET:HG3	18	0.11
(1,2539)	2:5:A:LEU:HD21	2:9:A:LEU:H	5	0.11
(1,2498)	2:5:B:LEU:HD11	2:75:A:TYR:HE1	10	0.11
(1,2498)	2:5:B:LEU:HD11	2:75:A:TYR:HE2	10	0.11
(1,2495)	2:5:B:LEU:HD13	2:6:B:GLU:HA	9	0.11
(1,2494)	2:5:B:LEU:HD12	2:41:A:GLU:HB2	16	0.11
(1,2410)	2:9:A:LEU:HD23	2:5:A:LEU:HG	5	0.11
(1,2377)	2:9:B:LEU:HD13	2:82:A:ILE:HG22	9	0.11
(1,2352)	2:10:B:ASP:HA	2:13:B:VAL:HB	17	0.11
(1,2331)	2:11:A:VAL:HG13	2:7:A:LYS:HG3	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2312)	2:12:A:MET:HE3	2:78:A:PHE:HD1	3	0.11
(1,2312)	2:12:A:MET:HE3	2:78:A:PHE:HD2	3	0.11
(1,2308)	2:12:A:MET:HE3	2:79:A:LEU:HA	15	0.11
(1,2307)	2:12:A:MET:HE1	2:12:A:MET:HG2	7	0.11
(1,2299)	2:12:A:MET:HG3	2:5:B:LEU:HD23	4	0.11
(1,2299)	2:12:A:MET:HG3	2:5:B:LEU:HD23	19	0.11
(1,2268)	2:12:B:MET:HE3	2:12:B:MET:HG2	3	0.11
(1,2268)	2:12:B:MET:HE3	2:12:B:MET:HG2	8	0.11
(1,2268)	2:12:B:MET:HE3	2:12:B:MET:HG2	9	0.11
(1,2225)	2:13:A:VAL:HG11	2:16:A:PHE:HB2	16	0.11
(1,2223)	2:13:B:VAL:HG12	2:83:A:ALA:HA	13	0.11
(1,2215)	2:13:A:VAL:HG13	2:86:B:CYS:H	3	0.11
(1,2203)	2:13:B:VAL:HA	2:72:B:PHE:HE1	5	0.11
(1,2203)	2:13:B:VAL:HA	2:72:B:PHE:HE2	5	0.11
(1,2134)	2:18:B:LYS:HE2	2:18:B:LYS:HG2	10	0.11
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD1	10	0.11
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD2	10	0.11
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD1	17	0.11
(1,2056)	2:27:B:PHE:HA	2:75:B:TYR:HD2	17	0.11
(1,2010)	2:29:B:LEU:HD13	2:34:B:LEU:H	10	0.11
(1,2010)	2:29:B:LEU:HD13	2:34:B:LEU:H	12	0.11
(1,1937)	2:34:B:LEU:HD13	2:62:B:LEU:HD21	5	0.11
(1,1878)	2:35:B:LYS:HE3	2:55:B:PHE:HD1	9	0.11
(1,1878)	2:35:B:LYS:HE3	2:55:B:PHE:HD2	9	0.11
(1,1845)	2:35:A:LYS:HD3	2:32:A:SER:HA	11	0.11
(1,1778)	2:37:B:LEU:HD23	2:75:B:TYR:HE1	2	0.11
(1,1778)	2:37:B:LEU:HD23	2:75:B:TYR:HE2	2	0.11
(1,1747)	2:38:B:LEU:HD21	1:1928:C:PHE:HE1	10	0.11
(1,1747)	2:38:B:LEU:HD21	1:1928:C:PHE:HE2	10	0.11
(1,1709)	2:38:A:LEU:HD11	2:42:A:LEU:HD21	2	0.11
(1,1705)	2:38:A:LEU:HD13	2:50:A:THR:HB	15	0.11
(1,1690)	2:38:A:LEU:HD23	2:38:A:LEU:H	2	0.11
(1,1690)	2:38:A:LEU:HD23	2:38:A:LEU:H	10	0.11
(1,1656)	2:39:B:THR:HG22	2:35:B:LYS:HE3	18	0.11
(1,1655)	2:39:A:THR:HG23	2:35:A:LYS:HE3	20	0.11
(1,1651)	2:39:A:THR:HB	2:40:A:ARG:HG3	9	0.11
(1,1602)	2:42:B:LEU:HD11	2:6:A:GLU:HA	12	0.11
(1,1591)	2:42:B:LEU:HD11	2:6:A:GLU:HB2	12	0.11
(1,1548)	2:42:A:LEU:HD12	2:37:A:LEU:HB3	15	0.11
(1,1465)	2:46:A:LEU:HD22	2:55:A:PHE:HE1	4	0.11
(1,1389)	2:50:B:THR:HA	2:50:B:THR:HB	13	0.11
(1,1373)	2:50:A:THR:HA	2:55:A:PHE:HD1	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1373)	2:50:A:THR:HA	2:55:A:PHE:HD2	16	0.11
(1,1355)	2:52:B:GLU:HG2	2:52:B:GLU:H	4	0.11
(1,1327)	2:53:B:ALA:HB3	2:56:B:GLN:HB3	8	0.11
(1,1326)	2:53:B:ALA:HA	2:56:B:GLN:HB3	19	0.11
(1,1321)	2:53:A:ALA:HB3	2:55:A:PHE:HD1	3	0.11
(1,1321)	2:53:A:ALA:HB3	2:55:A:PHE:HD2	3	0.11
(1,1302)	2:54:B:ALA:HB2	2:55:B:PHE:H	8	0.11
(1,1282)	2:54:A:ALA:HB3	1:1897:C:GLN:HE21	20	0.11
(1,1270)	2:56:B:GLN:HB2	2:57:B:LYS:HB2	6	0.11
(1,1203)	2:58:B:LEU:HD22	2:78:B:PHE:HZ	10	0.11
(1,1203)	2:58:B:LEU:HD22	2:78:B:PHE:HZ	13	0.11
(1,1203)	2:58:B:LEU:HD22	2:78:B:PHE:HZ	18	0.11
(1,1203)	2:58:B:LEU:HD22	2:78:B:PHE:HZ	19	0.11
(1,1201)	2:58:B:LEU:HD11	1:1928:C:PHE:HZ	14	0.11
(1,1201)	2:58:B:LEU:HD11	1:1928:C:PHE:HZ	15	0.11
(1,1082)	2:59:B:MET:HE2	2:68:B:ASN:HB3	10	0.11
(1,1077)	2:59:B:MET:HE2	2:31:B:LYS:HG2	6	0.11
(1,1076)	2:59:B:MET:HE3	2:31:B:LYS:HG3	19	0.11
(1,1075)	2:59:B:MET:HE3	2:29:B:LEU:HB3	7	0.11
(1,1048)	2:59:A:MET:HE1	2:34:A:LEU:H	6	0.11
(1,1047)	2:59:A:MET:HE3	2:33:A:GLU:H	9	0.11
(1,1046)	2:59:A:MET:HE1	2:67:A:ASP:H	16	0.11
(1,1034)	2:59:A:MET:HE1	2:68:A:ASN:HB3	18	0.11
(1,1032)	2:59:A:MET:HE1	2:59:A:MET:HG2	15	0.11
(1,994)	2:60:B:SER:HB2	2:61:B:ASN:H	12	0.11
(1,917)	2:29:A:LEU:HD22	2:20:A:SER:HA	9	0.11
(1,869)	2:64:A:SER:HB3	2:74:A:GLU:HG2	16	0.11
(1,731)	2:70:A:VAL:HG11	2:74:A:GLU:HG2	15	0.11
(1,703)	2:71:B:ASP:HA	2:75:B:TYR:HD1	4	0.11
(1,703)	2:71:B:ASP:HA	2:75:B:TYR:HD2	4	0.11
(1,703)	2:71:B:ASP:HA	2:75:B:TYR:HD1	5	0.11
(1,703)	2:71:B:ASP:HA	2:75:B:TYR:HD2	5	0.11
(1,703)	2:71:B:ASP:HA	2:75:B:TYR:HD1	12	0.11
(1,703)	2:71:B:ASP:HA	2:75:B:TYR:HD2	12	0.11
(1,699)	2:71:B:ASP:HB3	2:72:B:PHE:H	15	0.11
(1,628)	2:76:B:CYS:HA	2:12:B:MET:HA	8	0.11
(1,628)	2:76:B:CYS:HA	2:12:B:MET:HA	15	0.11
(1,617)	2:77:B:VAL:HG22	1:1917:C:LEU:HB2	7	0.11
(1,617)	2:77:B:VAL:HG22	1:1917:C:LEU:HB2	15	0.11
(1,617)	2:77:B:VAL:HG22	1:1917:C:LEU:HB2	16	0.11
(1,506)	2:79:B:LEU:HD22	2:75:B:TYR:HE1	4	0.11
(1,506)	2:79:B:LEU:HD22	2:75:B:TYR:HE2	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,506)	2:79:B:LEU:HD22	2:75:B:TYR:HE1	12	0.11
(1,506)	2:79:B:LEU:HD22	2:75:B:TYR:HE2	12	0.11
(1,506)	2:79:B:LEU:HD22	2:75:B:TYR:HE1	13	0.11
(1,506)	2:79:B:LEU:HD22	2:75:B:TYR:HE2	13	0.11
(1,506)	2:79:B:LEU:HD22	2:75:B:TYR:HE1	14	0.11
(1,506)	2:79:B:LEU:HD22	2:75:B:TYR:HE2	14	0.11
(1,506)	2:79:B:LEU:HD22	2:75:B:TYR:HE1	16	0.11
(1,506)	2:79:B:LEU:HD22	2:75:B:TYR:HE2	16	0.11
(1,506)	2:79:B:LEU:HD22	2:75:B:TYR:HE1	17	0.11
(1,506)	2:79:B:LEU:HD22	2:75:B:TYR:HE2	17	0.11
(1,497)	2:79:B:LEU:HD21	2:82:B:ILE:H	5	0.11
(1,490)	2:79:B:LEU:HD11	2:83:A:ALA:H	19	0.11
(1,452)	2:79:A:LEU:HD23	2:82:A:ILE:HG13	2	0.11
(1,452)	2:79:A:LEU:HD22	2:82:A:ILE:HG13	3	0.11
(1,452)	2:79:A:LEU:HD23	2:82:A:ILE:HG13	9	0.11
(1,448)	2:79:A:LEU:HD13	2:76:A:CYS:HA	14	0.11
(1,286)	2:83:A:ALA:HA	2:9:B:LEU:HD22	16	0.11
(1,251)	2:84:B:MET:HE1	2:81:B:CYS:HA	4	0.11
(1,240)	2:84:B:MET:HE2	1:1918:C:LYS:HD2	11	0.11
(1,240)	2:84:B:MET:HE2	1:1918:C:LYS:HD2	17	0.11
(1,240)	2:84:B:MET:HE2	1:1918:C:LYS:HD2	20	0.11
(1,235)	2:84:B:MET:HA	2:72:A:PHE:HE1	2	0.11
(1,235)	2:84:B:MET:HA	2:72:A:PHE:HE2	2	0.11
(1,235)	2:84:B:MET:HA	2:72:A:PHE:HE1	19	0.11
(1,235)	2:84:B:MET:HA	2:72:A:PHE:HE2	19	0.11
(1,214)	2:84:A:MET:HE1	2:72:B:PHE:HE1	5	0.11
(1,214)	2:84:A:MET:HE1	2:72:B:PHE:HE2	5	0.11
(1,180)	2:85:B:MET:HE2	2:85:B:MET:H	16	0.11
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG21	4	0.11
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG22	4	0.11
(1,164)	2:85:B:MET:HE3	1:1930:C:VAL:HG23	4	0.11
(1,145)	2:85:A:MET:HE3	2:82:A:ILE:HA	5	0.11
(1,145)	2:85:A:MET:HE3	2:82:A:ILE:HA	7	0.11
(1,145)	2:85:A:MET:HE3	2:82:A:ILE:HA	11	0.11
(1,143)	2:85:A:MET:HE3	2:85:A:MET:HB2	11	0.11
(1,139)	2:85:A:MET:HE2	1:1900:C:LEU:HD11	11	0.11
(1,139)	2:85:A:MET:HE2	1:1900:C:LEU:HD12	11	0.11
(1,139)	2:85:A:MET:HE2	1:1900:C:LEU:HD13	11	0.11
(1,128)	2:85:A:MET:HE1	2:45:A:PHE:H	9	0.11
(1,64)	2:88:A:GLU:HB3	2:85:A:MET:HA	20	0.11
(1,47)	2:89:A:PHE:HA	2:92:A:GLY:HA2	14	0.11
(1,26)	2:91:B:GLU:HA	2:91:B:GLU:HG2	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,33)	2:88:B:GLU:H	2:84:B:MET:HA	7	0.1
(2,29)	2:49:B:ARG:H	2:47:B:GLY:HA2	11	0.1
(2,27)	2:47:B:GLY:H	1:1929:C:VAL:HA	6	0.1
(2,18)	2:28:A:LYS:HD3	2:20:A:SER:HB2	9	0.1
(2,17)	2:31:B:LYS:HD3	2:32:B:SER:H	3	0.1
(2,16)	2:34:B:LEU:HG	2:75:B:TYR:HB2	8	0.1
(2,15)	2:35:A:LYS:HE3	2:50:A:THR:HB	17	0.1
(2,14)	2:40:A:ARG:HD2	2:39:A:THR:H	20	0.1
(1,6922)	2:60:B:SER:H	2:58:B:LEU:HD12	7	0.1
(1,6885)	2:38:B:LEU:H	2:37:B:LEU:HD13	1	0.1
(1,6565)	2:7:B:LYS:HB3	2:4:A:PRO:HA	18	0.1
(1,6553)	2:8:B:ALA:HB3	2:5:B:LEU:HA	14	0.1
(1,6551)	2:8:B:ALA:HB1	2:5:B:LEU:HD23	2	0.1
(1,6523)	2:9:A:LEU:HD12	2:11:A:VAL:H	2	0.1
(1,6517)	2:9:A:LEU:HD22	2:12:A:MET:HB2	12	0.1
(1,6508)	2:9:B:LEU:HD11	2:9:B:LEU:HG	2	0.1
(1,6508)	2:9:B:LEU:HD13	2:9:B:LEU:HG	5	0.1
(1,6508)	2:9:B:LEU:HD12	2:9:B:LEU:HG	7	0.1
(1,6508)	2:9:B:LEU:HD11	2:9:B:LEU:HG	17	0.1
(1,6500)	2:11:A:VAL:HG22	2:15:A:THR:HG23	7	0.1
(1,6488)	2:11:B:VAL:HG11	2:8:B:ALA:H	6	0.1
(1,6458)	2:12:A:MET:HE3	2:75:A:TYR:HD1	17	0.1
(1,6448)	2:12:A:MET:HE1	2:9:A:LEU:HD22	19	0.1
(1,6340)	2:22:A:LYS:HA	2:22:A:LYS:HG3	12	0.1
(1,6340)	2:22:A:LYS:HA	2:22:A:LYS:HG3	20	0.1
(1,6324)	2:23:A:GLU:HB3	2:30:A:ASN:HD22	11	0.1
(1,6279)	2:26:A:LYS:HA	2:26:A:LYS:HE3	3	0.1
(1,6175)	2:34:A:LEU:HD11	2:78:A:PHE:HB3	19	0.1
(1,6108)	2:38:B:LEU:HD12	2:34:B:LEU:HD22	8	0.1
(1,6108)	2:38:B:LEU:HD13	2:34:B:LEU:HD23	9	0.1
(1,6068)	2:39:A:THR:HG23	2:46:A:LEU:HD11	5	0.1
(1,6024)	2:46:B:LEU:HD12	2:39:B:THR:H	6	0.1
(1,6021)	2:46:A:LEU:HD11	2:39:A:THR:HG23	5	0.1
(1,5974)	2:58:B:LEU:HD23	1:1928:C:PHE:HB2	14	0.1
(1,5887)	2:64:A:SER:HB2	1:1911:C:ASN:HD21	1	0.1
(1,5834)	2:77:B:VAL:HG13	2:62:B:LEU:HA	14	0.1
(1,5762)	2:83:A:ALA:HB1	2:82:A:ILE:H	2	0.1
(1,5728)	2:93:A:PHE:HB2	2:94:A:PRO:HD2	19	0.1
(1,5654)	1:1900:C:LEU:HD21	2:78:A:PHE:HE1	10	0.1
(1,5654)	1:1900:C:LEU:HD21	2:78:A:PHE:HE2	10	0.1
(1,5654)	1:1900:C:LEU:HD22	2:78:A:PHE:HE1	10	0.1
(1,5654)	1:1900:C:LEU:HD22	2:78:A:PHE:HE2	10	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5654)	1:1900:C:LEU:HD23	2:78:A:PHE:HE1	10	0.1
(1,5654)	1:1900:C:LEU:HD23	2:78:A:PHE:HE2	10	0.1
(1,5652)	1:1900:C:LEU:HD21	2:59:A:MET:H	2	0.1
(1,5652)	1:1900:C:LEU:HD22	2:59:A:MET:H	2	0.1
(1,5652)	1:1900:C:LEU:HD23	2:59:A:MET:H	2	0.1
(1,5650)	1:1900:C:LEU:HD11	2:59:A:MET:H	19	0.1
(1,5650)	1:1900:C:LEU:HD12	2:59:A:MET:H	19	0.1
(1,5650)	1:1900:C:LEU:HD13	2:59:A:MET:H	19	0.1
(1,5624)	1:1903:C:ALA:HB1	2:85:A:MET:HB3	17	0.1
(1,5624)	1:1903:C:ALA:HB2	2:85:A:MET:HB3	17	0.1
(1,5624)	1:1903:C:ALA:HB3	2:85:A:MET:HB3	17	0.1
(1,5621)	1:1903:C:ALA:HB1	1:1899:C:GLU:HG3	20	0.1
(1,5621)	1:1903:C:ALA:HB2	1:1899:C:GLU:HG3	20	0.1
(1,5621)	1:1903:C:ALA:HB3	1:1899:C:GLU:HG3	20	0.1
(1,5616)	1:1903:C:ALA:HB1	1:1906:C:THR:HB	14	0.1
(1,5616)	1:1903:C:ALA:HB2	1:1906:C:THR:HB	14	0.1
(1,5616)	1:1903:C:ALA:HB3	1:1906:C:THR:HB	14	0.1
(1,5401)	1:1914:C:VAL:HG21	2:85:B:MET:HB2	15	0.1
(1,5401)	1:1914:C:VAL:HG22	2:85:B:MET:HB2	15	0.1
(1,5401)	1:1914:C:VAL:HG23	2:85:B:MET:HB2	15	0.1
(1,5323)	1:1918:C:LYS:HB3	1:1917:C:LEU:HA	6	0.1
(1,5322)	1:1918:C:LYS:HB2	2:84:B:MET:HA	20	0.1
(1,5235)	1:1926:C:LEU:HD21	2:78:B:PHE:HE1	2	0.1
(1,5235)	1:1926:C:LEU:HD21	2:78:B:PHE:HE2	2	0.1
(1,5235)	1:1926:C:LEU:HD22	2:78:B:PHE:HE1	2	0.1
(1,5235)	1:1926:C:LEU:HD22	2:78:B:PHE:HE2	2	0.1
(1,5235)	1:1926:C:LEU:HD23	2:78:B:PHE:HE1	2	0.1
(1,5235)	1:1926:C:LEU:HD23	2:78:B:PHE:HE2	2	0.1
(1,5235)	1:1926:C:LEU:HD21	2:78:B:PHE:HE1	18	0.1
(1,5235)	1:1926:C:LEU:HD21	2:78:B:PHE:HE2	18	0.1
(1,5235)	1:1926:C:LEU:HD22	2:78:B:PHE:HE1	18	0.1
(1,5235)	1:1926:C:LEU:HD22	2:78:B:PHE:HE2	18	0.1
(1,5235)	1:1926:C:LEU:HD23	2:78:B:PHE:HE1	18	0.1
(1,5235)	1:1926:C:LEU:HD23	2:78:B:PHE:HE2	18	0.1
(1,5191)	1:1929:C:VAL:HG11	1:1931:C:PRO:HD3	19	0.1
(1,5191)	1:1929:C:VAL:HG12	1:1931:C:PRO:HD3	19	0.1
(1,5191)	1:1929:C:VAL:HG13	1:1931:C:PRO:HD3	19	0.1
(1,5180)	1:1929:C:VAL:HG21	2:45:B:PHE:HA	4	0.1
(1,5180)	1:1929:C:VAL:HG22	2:45:B:PHE:HA	4	0.1
(1,5180)	1:1929:C:VAL:HG23	2:45:B:PHE:HA	4	0.1
(1,5180)	1:1929:C:VAL:HG21	2:45:B:PHE:HA	11	0.1
(1,5180)	1:1929:C:VAL:HG22	2:45:B:PHE:HA	11	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5180)	1:1929:C:VAL:HG23	2:45:B:PHE:HA	11	0.1
(1,5169)	1:1929:C:VAL:HG11	2:48:B:LYS:H	17	0.1
(1,5169)	1:1929:C:VAL:HG12	2:48:B:LYS:H	17	0.1
(1,5169)	1:1929:C:VAL:HG13	2:48:B:LYS:H	17	0.1
(1,5162)	1:1930:C:VAL:HG21	2:90:B:PHE:HB3	7	0.1
(1,5162)	1:1930:C:VAL:HG22	2:90:B:PHE:HB3	7	0.1
(1,5162)	1:1930:C:VAL:HG23	2:90:B:PHE:HB3	7	0.1
(1,5162)	1:1930:C:VAL:HG21	2:90:B:PHE:HB3	8	0.1
(1,5162)	1:1930:C:VAL:HG22	2:90:B:PHE:HB3	8	0.1
(1,5162)	1:1930:C:VAL:HG23	2:90:B:PHE:HB3	8	0.1
(1,5129)	1:1934:C:MET:HE1	1:1931:C:PRO:HG2	9	0.1
(1,5129)	1:1934:C:MET:HE2	1:1931:C:PRO:HG2	9	0.1
(1,5129)	1:1934:C:MET:HE3	1:1931:C:PRO:HG2	9	0.1
(1,5129)	1:1934:C:MET:HE1	1:1931:C:PRO:HG2	15	0.1
(1,5129)	1:1934:C:MET:HE2	1:1931:C:PRO:HG2	15	0.1
(1,5129)	1:1934:C:MET:HE3	1:1931:C:PRO:HG2	15	0.1
(1,5101)	1:1935:C:ALA:HB1	2:45:B:PHE:HD1	10	0.1
(1,5101)	1:1935:C:ALA:HB1	2:45:B:PHE:HD2	10	0.1
(1,5101)	1:1935:C:ALA:HB2	2:45:B:PHE:HD1	10	0.1
(1,5101)	1:1935:C:ALA:HB2	2:45:B:PHE:HD2	10	0.1
(1,5101)	1:1935:C:ALA:HB3	2:45:B:PHE:HD1	10	0.1
(1,5101)	1:1935:C:ALA:HB3	2:45:B:PHE:HD2	10	0.1
(1,5101)	1:1935:C:ALA:HB1	2:45:B:PHE:HD1	20	0.1
(1,5101)	1:1935:C:ALA:HB1	2:45:B:PHE:HD2	20	0.1
(1,5101)	1:1935:C:ALA:HB2	2:45:B:PHE:HD1	20	0.1
(1,5101)	1:1935:C:ALA:HB2	2:45:B:PHE:HD2	20	0.1
(1,5101)	1:1935:C:ALA:HB3	2:45:B:PHE:HD1	20	0.1
(1,5101)	1:1935:C:ALA:HB3	2:45:B:PHE:HD2	20	0.1
(1,5070)	1:1900:C:LEU:H	1:1899:C:GLU:HG2	9	0.1
(1,4997)	1:1910:C:MET:H	2:77:A:VAL:HG22	3	0.1
(1,4898)	1:1919:C:ASN:H	1:1918:C:LYS:HB3	13	0.1
(1,4484)	2:57:B:LYS:HD3	1:1924:C:GLY:H	10	0.1
(1,4483)	2:45:B:PHE:H	1:1930:C:VAL:HA	3	0.1
(1,4412)	2:38:B:LEU:HD21	1:1928:C:PHE:HD2	7	0.1
(1,4390)	1:1928:C:PHE:HZ	1:1929:C:VAL:HG11	1	0.1
(1,4390)	1:1928:C:PHE:HZ	1:1929:C:VAL:HG12	1	0.1
(1,4390)	1:1928:C:PHE:HZ	1:1929:C:VAL:HG13	1	0.1
(1,4281)	1:1917:C:LEU:H	1:1917:C:LEU:HA	9	0.1
(1,4177)	2:46:B:LEU:HD11	1:1927:C:PRO:HG2	15	0.1
(1,4036)	2:85:A:MET:HG3	1:1903:C:ALA:HB1	3	0.1
(1,4036)	2:85:A:MET:HG3	1:1903:C:ALA:HB2	3	0.1
(1,4036)	2:85:A:MET:HG3	1:1903:C:ALA:HB3	3	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4005)	2:58:B:LEU:HD23	1:1928:C:PHE:HB2	15	0.1
(1,3969)	2:77:B:VAL:HG23	1:1914:C:VAL:HA	10	0.1
(1,3939)	2:77:A:VAL:HG22	1:1910:C:MET:H	3	0.1
(1,3933)	2:77:A:VAL:HG21	1:1907:C:ALA:HA	3	0.1
(1,3879)	2:72:B:PHE:HE1	2:75:B:TYR:HE1	19	0.1
(1,3879)	2:72:B:PHE:HE1	2:75:B:TYR:HE2	19	0.1
(1,3879)	2:72:B:PHE:HE2	2:75:B:TYR:HE1	19	0.1
(1,3879)	2:72:B:PHE:HE2	2:75:B:TYR:HE2	19	0.1
(1,3826)	2:78:A:PHE:HD1	2:58:A:LEU:HD21	7	0.1
(1,3826)	2:78:A:PHE:HD2	2:58:A:LEU:HD21	7	0.1
(1,3793)	2:28:B:LYS:H	2:28:B:LYS:HD3	14	0.1
(1,3716)	2:89:B:PHE:H	2:101:B:LYS:HG2	4	0.1
(1,3539)	2:61:B:ASN:H	2:62:B:LEU:HG	14	0.1
(1,3539)	2:61:B:ASN:H	2:62:B:LEU:HG	17	0.1
(1,3163)	2:86:A:CYS:H	2:9:B:LEU:HB2	20	0.1
(1,3075)	2:74:A:GLU:H	2:70:A:VAL:HB	20	0.1
(1,2600)	2:29:A:LEU:H	2:27:A:PHE:HD1	7	0.1
(1,2600)	2:29:A:LEU:H	2:27:A:PHE:HD2	7	0.1
(1,2600)	2:29:A:LEU:H	2:27:A:PHE:HD1	11	0.1
(1,2600)	2:29:A:LEU:H	2:27:A:PHE:HD2	11	0.1
(1,2575)	2:4:A:PRO:HA	2:7:B:LYS:HB3	18	0.1
(1,2565)	2:2:B:ALA:HB3	2:4:B:PRO:HD3	10	0.1
(1,2554)	2:5:A:LEU:HD21	2:9:A:LEU:HD13	7	0.1
(1,2544)	2:5:A:LEU:HD23	2:12:B:MET:HA	8	0.1
(1,2522)	2:5:B:LEU:HD21	2:9:B:LEU:H	7	0.1
(1,2278)	2:12:B:MET:HE1	2:12:B:MET:H	17	0.1
(1,2271)	2:12:B:MET:HE3	2:79:B:LEU:HA	4	0.1
(1,2268)	2:12:B:MET:HE3	2:12:B:MET:HG2	1	0.1
(1,2268)	2:12:B:MET:HE3	2:12:B:MET:HG2	11	0.1
(1,2258)	2:12:B:MET:HG3	2:5:A:LEU:HD23	4	0.1
(1,2224)	2:13:B:VAL:HG11	2:10:B:ASP:HA	7	0.1
(1,2203)	2:13:B:VAL:HA	2:72:B:PHE:HE1	17	0.1
(1,2203)	2:13:B:VAL:HA	2:72:B:PHE:HE2	17	0.1
(1,2146)	2:17:B:HIS:HB2	2:90:A:PHE:HE1	2	0.1
(1,2146)	2:17:B:HIS:HB2	2:90:A:PHE:HE2	2	0.1
(1,2134)	2:18:B:LYS:HE2	2:18:B:LYS:HG2	3	0.1
(1,1901)	2:34:A:LEU:HD12	2:35:A:LYS:H	13	0.1
(1,1818)	2:36:B:GLU:HB3	2:19:B:TYR:HE1	1	0.1
(1,1818)	2:36:B:GLU:HB3	2:19:B:TYR:HE2	1	0.1
(1,1790)	2:36:A:GLU:HB2	2:39:A:THR:HG21	11	0.1
(1,1762)	2:38:B:LEU:HD11	2:62:B:LEU:HD23	1	0.1
(1,1762)	2:38:B:LEU:HD11	2:62:B:LEU:HD21	11	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1744)	2:38:B:LEU:HD22	2:39:B:THR:H	16	0.1
(1,1700)	2:38:A:LEU:HD22	2:55:A:PHE:HE1	4	0.1
(1,1700)	2:38:A:LEU:HD22	2:55:A:PHE:HE2	4	0.1
(1,1597)	2:42:B:LEU:HD11	2:43:B:PRO:HD3	11	0.1
(1,1548)	2:42:A:LEU:HD12	2:37:A:LEU:HB3	18	0.1
(1,1544)	2:42:A:LEU:HD12	2:82:A:ILE:HG22	14	0.1
(1,1448)	2:48:B:LYS:HB2	2:49:B:ARG:H	10	0.1
(1,1389)	2:50:B:THR:HA	2:50:B:THR:HB	19	0.1
(1,1385)	2:50:B:THR:HG22	1:1928:C:PHE:HD1	6	0.1
(1,1385)	2:50:B:THR:HG22	1:1928:C:PHE:HD2	6	0.1
(1,1361)	2:52:B:GLU:HG2	2:51:B:ASP:HB2	1	0.1
(1,1203)	2:58:B:LEU:HD22	2:78:B:PHE:HZ	15	0.1
(1,1201)	2:58:B:LEU:HD13	1:1928:C:PHE:HZ	20	0.1
(1,1171)	2:58:B:LEU:HD11	2:62:B:LEU:HD23	12	0.1
(1,1097)	2:59:B:MET:HE2	2:68:B:ASN:HD21	4	0.1
(1,993)	2:60:B:SER:HB2	2:62:B:LEU:H	7	0.1
(1,965)	2:61:A:ASN:HA	2:61:A:ASN:HD21	20	0.1
(1,942)	2:62:B:LEU:HD23	2:74:B:GLU:HG3	6	0.1
(1,778)	2:70:B:VAL:HG11	2:62:B:LEU:HB2	9	0.1
(1,765)	2:70:B:VAL:HG22	2:63:B:ASP:HB3	8	0.1
(1,742)	2:70:A:VAL:HG22	2:58:A:LEU:HG	1	0.1
(1,731)	2:70:A:VAL:HG12	2:74:A:GLU:HG2	14	0.1
(1,707)	2:71:B:ASP:HA	2:28:B:LYS:HD2	4	0.1
(1,703)	2:71:B:ASP:HA	2:75:B:TYR:HD1	15	0.1
(1,703)	2:71:B:ASP:HA	2:75:B:TYR:HD2	15	0.1
(1,628)	2:76:B:CYS:HA	2:12:B:MET:HA	2	0.1
(1,628)	2:76:B:CYS:HA	2:12:B:MET:HA	6	0.1
(1,628)	2:76:B:CYS:HA	2:12:B:MET:HA	9	0.1
(1,628)	2:76:B:CYS:HA	2:12:B:MET:HA	12	0.1
(1,607)	2:77:B:VAL:HG23	1:1914:C:VAL:HA	10	0.1
(1,568)	2:77:A:VAL:HG21	1:1907:C:ALA:HA	3	0.1
(1,564)	2:77:A:VAL:HA	2:81:A:CYS:HB2	17	0.1
(1,526)	2:79:B:LEU:HD22	2:5:A:LEU:HG	12	0.1
(1,518)	2:79:B:LEU:HD12	2:5:A:LEU:HD11	4	0.1
(1,506)	2:79:B:LEU:HD22	2:75:B:TYR:HE1	6	0.1
(1,506)	2:79:B:LEU:HD22	2:75:B:TYR:HE2	6	0.1
(1,214)	2:84:A:MET:HE1	2:72:B:PHE:HE1	1	0.1
(1,214)	2:84:A:MET:HE1	2:72:B:PHE:HE2	1	0.1
(1,180)	2:85:B:MET:HE2	2:85:B:MET:H	2	0.1
(1,179)	2:85:B:MET:HE1	1:1922:C:ARG:H	9	0.1
(1,145)	2:85:A:MET:HE3	2:82:A:ILE:HA	10	0.1
(1,134)	2:85:A:MET:HE1	2:82:A:ILE:HD11	1	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,63)	2:88:A:GLU:HB2	2:85:A:MET:HA	17	0.1
(1,31)	2:91:B:GLU:HG3	2:90:B:PHE:HD1	9	0.1
(1,31)	2:91:B:GLU:HG3	2:90:B:PHE:HD2	9	0.1

10 Dihedral-angle violation analysis

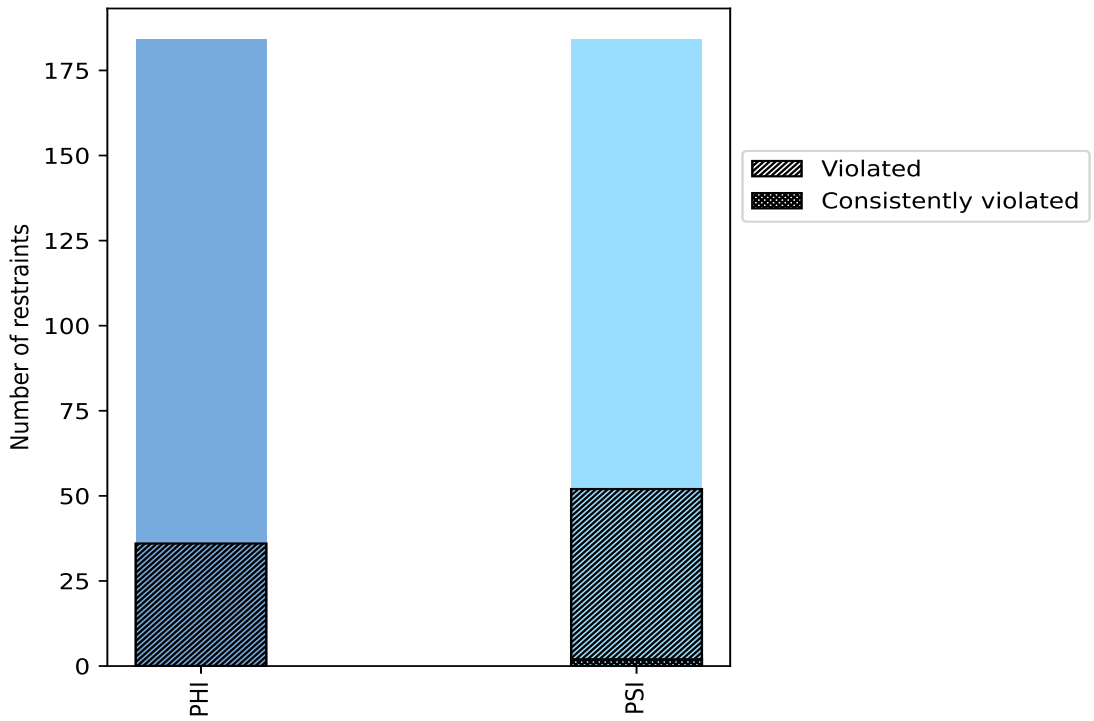
10.1 Summary of dihedral-angle violations

The following table provides the summary of dihedral-angle violations in different dihedral-angle types. Violations less than 1° are not included in the calculation.

Angle type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
PHI	184	50.0	36	19.6	9.8	0	0.0	0.0
PSI	184	50.0	52	28.3	14.1	2	1.1	0.5
Total	368	100.0	88	23.9	23.9	2	0.5	0.5

[1] percentage calculated with respect to total number of dihedral-angle restraints, [2] percentage calculated with respect to number of restraints in a particular dihedral-angle type, [3] violated in at least one model, [4] violated in all the models

10.1.1 Bar chart : Distribution of dihedral-angles and violations



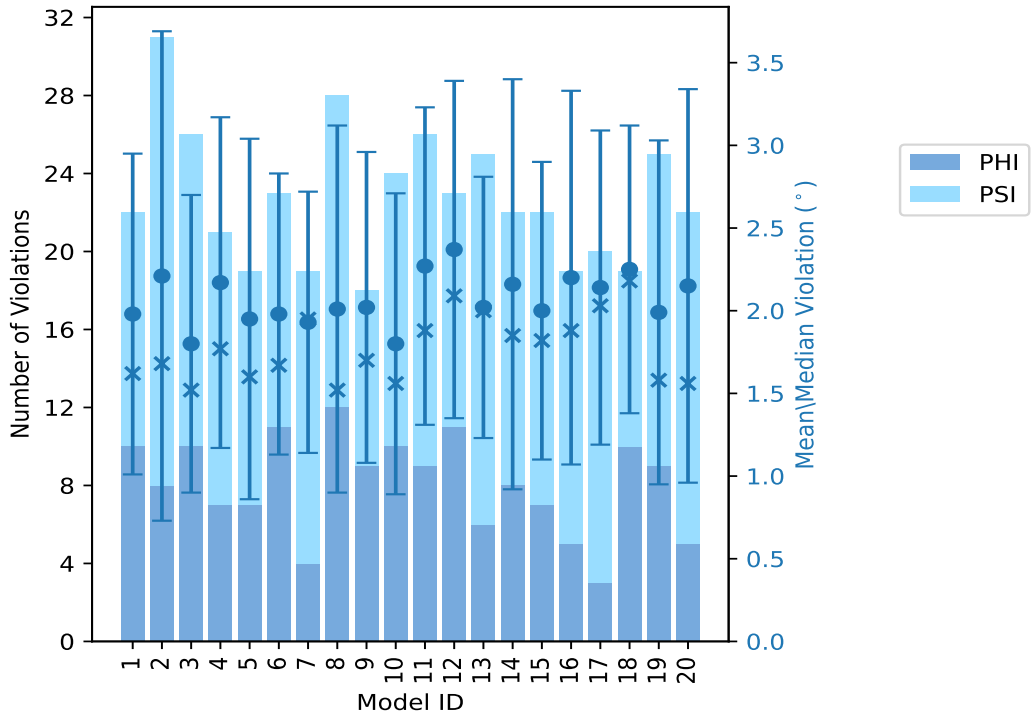
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

10.2 Dihedral-angle violation statistics for each model (i)

The following table provides the dihedral-angle violation statistics for each model in the ensemble. Violations less than 1° are not included in the statistics.

Model ID	Number of violations			Mean (°)	Max (°)	SD (°)	Median (°)
	PHI	PSI	Total				
1	10	12	22	1.98	4.82	0.97	1.62
2	8	23	31	2.21	8.1	1.48	1.68
3	10	16	26	1.8	4.98	0.9	1.52
4	7	14	21	2.17	4.63	1.0	1.77
5	7	12	19	1.95	5.07	1.09	1.6
6	11	12	23	1.98	4.37	0.85	1.67
7	4	15	19	1.93	3.99	0.79	1.95
8	12	16	28	2.01	6.23	1.11	1.52
9	9	9	18	2.02	4.82	0.94	1.7
10	10	14	24	1.8	4.65	0.91	1.56
11	9	17	26	2.27	4.8	0.96	1.88
12	11	12	23	2.37	5.54	1.02	2.09
13	6	19	25	2.02	4.62	0.79	2.0
14	8	14	22	2.16	6.57	1.24	1.85
15	7	15	22	2.0	4.19	0.9	1.82
16	5	14	19	2.2	6.12	1.13	1.88
17	3	17	20	2.14	4.67	0.95	2.03
18	10	9	19	2.25	3.56	0.87	2.18
19	9	16	25	1.99	4.73	1.04	1.58
20	5	17	22	2.15	4.66	1.19	1.56

10.2.1 Bar graph : Dihedral violation statistics for each model



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

10.3 Dihedral-angle violation statistics for the ensemble

Violation analysis may find that some restraints are violated in very few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of ensemble.

Number of violated restraints			Fraction of the ensemble	
PHI	PSI	Total	Count[1]	%
15	15	30	1	5.0
4	6	10	2	10.0
2	2	4	3	15.0
1	5	6	4	20.0
3	4	7	5	25.0
0	2	2	6	30.0
1	3	4	7	35.0
0	2	2	8	40.0
3	3	6	9	45.0
1	2	3	10	50.0
4	1	5	11	55.0

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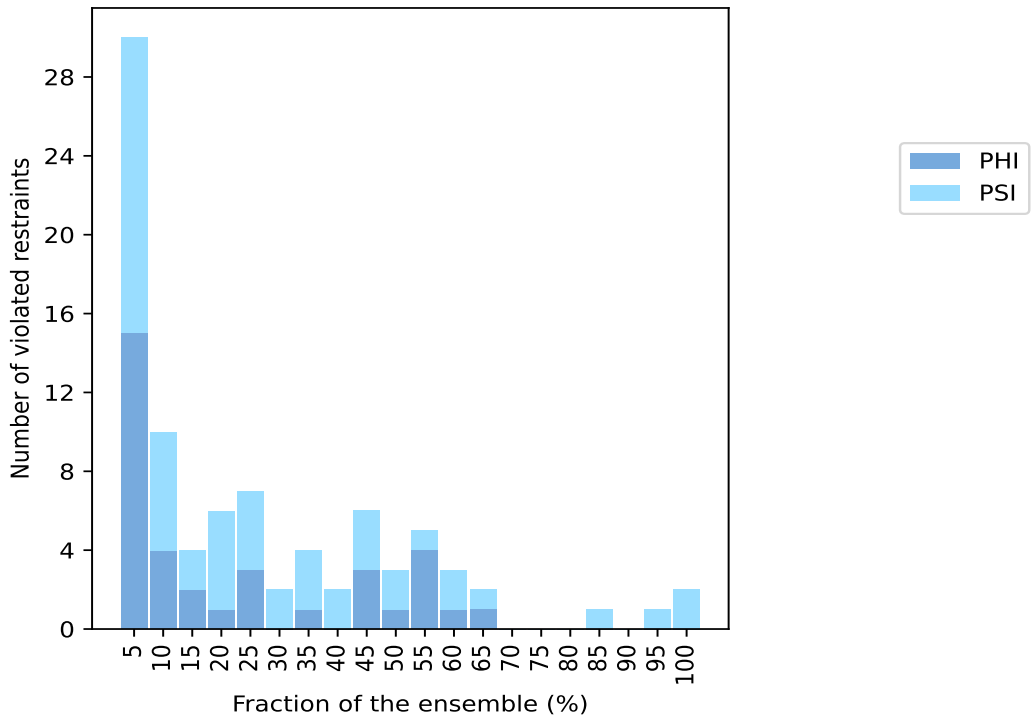
Number of violated restraints			Fraction of the ensemble	
PHI	PSI	Total	Count[1]	%
1	2	3	12	60.0
1	1	2	13	65.0
0	0	0	14	70.0
0	0	0	15	75.0
0	0	0	16	80.0
0	1	1	17	85.0
0	0	0	18	90.0
0	1	1	19	95.0
0	2	2	20	100.0

[1] Number of models with violations

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

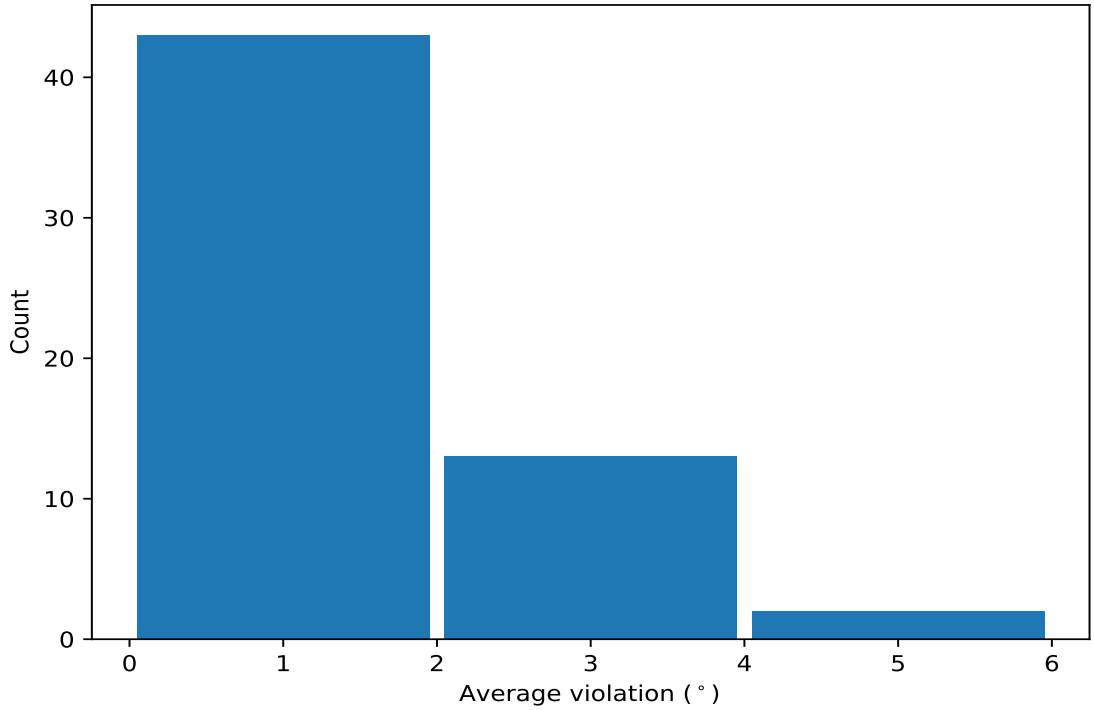


10.4 Most violated dihedral-angle restraints in the ensemble

10.4.1 Histogram : Distribution of mean dihedral-angle violations

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

in the ensemble



10.4.2 Table: Most violated dihedral-angle restraints

The following table provides the mean and the standard deviation of the violation for each restraint sorted by number of violated models and the mean value. The Key (restraint list ID, restraint ID) is the unique identifier for a given restraint.

Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Med
(1,232)	2:47:B:GLY:N	2:47:B:GLY:CA	2:47:B:GLY:C	2:48:B:LYS:N	20	3.88	0.93	3.9
(1,2)	2:4:A:PRO:N	2:4:A:PRO:CA	2:4:A:PRO:C	2:5:A:LEU:N	20	2.77	0.71	2.8
(1,160)	2:4:B:PRO:N	2:4:B:PRO:CA	2:4:B:PRO:C	2:5:B:LEU:N	19	2.29	0.64	2.1
(1,366)	1:1931:C:PRO:N	1:1931:C:PRO:CA	1:1931:C:PRO:C	1:1932:C:ARG:N	17	3.48	1.63	3.0
(1,24)	2:15:A:THR:N	2:15:A:THR:CA	2:15:A:THR:C	2:16:A:PHE:N	13	2.62	0.88	2.3
(1,135)	2:80:A:SER:C	2:81:A:CYS:N	2:81:A:CYS:CA	2:81:A:CYS:C	13	1.67	0.34	1.5
(1,72)	2:45:A:PHE:N	2:45:A:PHE:CA	2:45:A:PHE:C	2:46:A:LEU:N	12	2.76	1.43	2.3
(1,79)	2:50:A:THR:C	2:51:A:ASP:N	2:51:A:ASP:CA	2:51:A:ASP:C	12	1.96	0.49	1.9
(1,358)	1:1922:C:ARG:N	1:1922:C:ARG:CA	1:1922:C:ARG:C	1:1923:C:ARG:N	12	1.95	0.69	1.9
(1,359)	1:1923:C:ARG:C	1:1924:C:GLY:N	1:1924:C:GLY:CA	1:1924:C:GLY:C	11	2.36	1.26	1.8
(1,270)	2:71:B:ASP:N	2:71:B:ASP:CA	2:71:B:ASP:C	2:72:B:PHE:N	11	1.62	0.54	1.3
(1,333)	1:1909:C:ALA:C	1:1910:C:MET:N	1:1910:C:MET:CA	1:1910:C:MET:C	11	1.58	0.43	1.6
(1,65)	2:40:A:ARG:C	2:41:A:GLU:N	2:41:A:GLU:CA	2:41:A:GLU:C	11	1.56	0.38	1.5
(1,109)	2:66:A:ARG:C	2:67:A:ASP:N	2:67:A:ASP:CA	2:67:A:ASP:C	11	1.54	0.45	1.3
(1,38)	2:27:A:PHE:N	2:27:A:PHE:CA	2:27:A:PHE:C	2:28:A:LYS:N	10	1.82	0.72	1.7
(1,40)	2:28:A:LYS:N	2:28:A:LYS:CA	2:28:A:LYS:C	2:29:A:LEU:N	10	1.54	0.32	1.4
(1,223)	2:40:B:ARG:C	2:41:B:GLU:N	2:41:B:GLU:CA	2:41:B:GLU:C	10	1.52	0.42	1.5
(1,196)	2:27:B:PHE:N	2:27:B:PHE:CA	2:27:B:PHE:C	2:28:B:LYS:N	9	2.07	0.67	2.1
(1,253)	2:60:B:SER:C	2:61:B:ASN:N	2:61:B:ASN:CA	2:61:B:ASN:C	9	1.94	0.62	1.6
(1,177)	2:12:B:MET:C	2:13:B:VAL:N	2:13:B:VAL:CA	2:13:B:VAL:C	9	1.9	0.49	1.8

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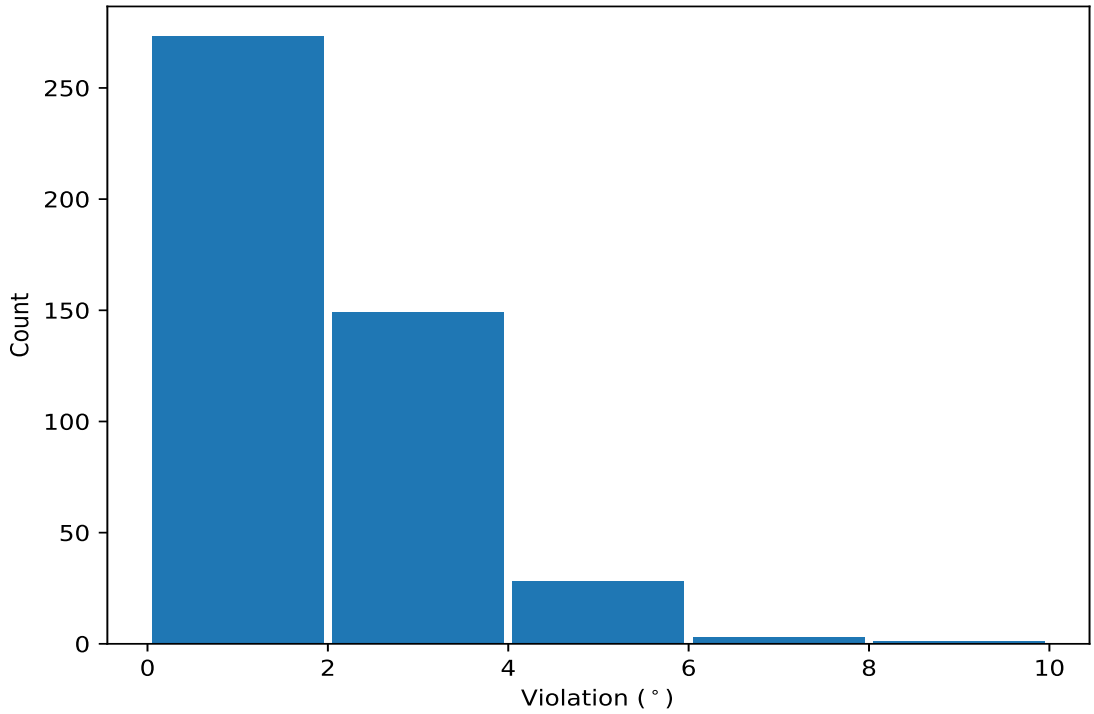
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Med
(1,19)	2:12:A:MET:C	2:13:A:VAL:N	2:13:A:VAL:CA	2:13:A:VAL:C	9	1.89	0.47	1.8
(1,198)	2:28:B:LYS:N	2:28:B:LYS:CA	2:28:B:LYS:C	2:29:B:LEU:N	9	1.45	0.3	1.4
(1,136)	2:81:A:CYS:N	2:81:A:CYS:CA	2:81:A:CYS:C	2:82:A:ILE:N	9	1.44	0.22	1.4
(1,312)	2:92:B:GLY:N	2:92:B:GLY:CA	2:92:B:GLY:C	2:93:B:PHE:N	8	2.28	1.18	2.0
(1,290)	2:81:B:CYS:N	2:81:B:CYS:CA	2:81:B:CYS:C	2:82:B:ILE:N	8	1.99	0.56	1.8
(1,158)	2:2:B:ALA:N	2:2:B:ALA:CA	2:2:B:ALA:C	2:3:B:CYS:N	7	1.83	0.61	1.7
(1,66)	2:41:A:GLU:N	2:41:A:GLU:CA	2:41:A:GLU:C	2:42:A:LEU:N	7	1.76	0.58	1.5
(1,305)	2:88:B:GLU:C	2:89:B:PHE:N	2:89:B:PHE:CA	2:89:B:PHE:C	7	1.61	0.7	1.2
(1,320)	1:1903:C:ALA:N	1:1903:C:ALA:CA	1:1903:C:ALA:C	1:1904:C:THR:N	7	1.6	0.37	1.6
(1,224)	2:41:B:GLU:N	2:41:B:GLU:CA	2:41:B:GLU:C	2:42:B:LEU:N	6	1.78	0.63	1.5
(1,260)	2:65:B:ASN:N	2:65:B:ASN:CA	2:65:B:ASN:C	2:66:B:ARG:N	6	1.43	0.57	1.2
(1,156)	2:92:A:GLY:N	2:92:A:GLY:CA	2:92:A:GLY:C	2:93:A:PHE:N	5	3.01	0.59	3.0
(1,77)	2:49:A:ARG:C	2:50:A:THR:N	2:50:A:THR:CA	2:50:A:THR:C	5	2.58	1.15	2.5
(1,195)	2:26:B:LYS:C	2:27:B:PHE:N	2:27:B:PHE:CA	2:27:B:PHE:C	5	1.91	0.8	1.9
(1,252)	2:60:B:SER:N	2:60:B:SER:CA	2:60:B:SER:C	2:61:B:ASN:N	5	1.87	0.48	1.7
(1,306)	2:89:B:PHE:N	2:89:B:PHE:CA	2:89:B:PHE:C	2:90:B:PHE:N	5	1.6	0.27	1.7
(1,300)	2:86:B:CYS:N	2:86:B:CYS:CA	2:86:B:CYS:C	2:87:B:ASN:N	5	1.57	0.45	1.5
(1,73)	2:45:A:PHE:C	2:46:A:LEU:N	2:46:A:LEU:CA	2:46:A:LEU:C	5	1.5	0.37	1.3
(1,76)	2:47:A:GLY:N	2:47:A:GLY:CA	2:47:A:GLY:C	2:48:A:LYS:N	4	5.55	0.86	5.5
(1,152)	2:89:A:PHE:N	2:89:A:PHE:CA	2:89:A:PHE:C	2:90:A:PHE:N	4	2.36	0.75	2.3
(1,234)	2:50:B:THR:N	2:50:B:THR:CA	2:50:B:THR:C	2:51:B:ASP:N	4	1.64	0.59	1.5
(1,157)	2:1:B:MET:C	2:2:B:ALA:N	2:2:B:ALA:CA	2:2:B:ALA:C	4	1.63	0.49	1.4
(1,26)	2:16:A:PHE:N	2:16:A:PHE:CA	2:16:A:PHE:C	2:17:A:HIS:N	4	1.51	0.39	1.5
(1,344)	1:1915:C:SER:N	1:1915:C:SER:CA	1:1915:C:SER:C	1:1916:C:SER:N	4	1.44	0.62	1.1
(1,368)	1:1934:C:MET:N	1:1934:C:MET:CA	1:1934:C:MET:C	1:1935:C:ALA:N	3	2.96	0.64	2.5
(1,37)	2:26:A:LYS:C	2:27:A:PHE:N	2:27:A:PHE:CA	2:27:A:PHE:C	3	1.77	0.48	1.7
(1,134)	2:80:A:SER:N	2:80:A:SER:CA	2:80:A:SER:C	2:81:A:CYS:N	3	1.76	0.38	1.8
(1,357)	1:1921:C:LEU:C	1:1922:C:ARG:N	1:1922:C:ARG:CA	1:1922:C:ARG:C	3	1.36	0.14	1.3
(1,264)	2:67:B:ASP:N	2:67:B:ASP:CA	2:67:B:ASP:C	2:68:B:ASN:N	2	4.55	0.68	4.5
(1,146)	2:86:A:CYS:N	2:86:A:CYS:CA	2:86:A:CYS:C	2:87:A:ASN:N	2	1.75	0.61	1.7
(1,88)	2:55:A:PHE:N	2:55:A:PHE:CA	2:55:A:PHE:C	2:56:A:GLN:N	2	1.62	0.29	1.6
(1,189)	2:18:B:LYS:C	2:19:B:TYR:N	2:19:B:TYR:CA	2:19:B:TYR:C	2	1.48	0.05	1.4
(1,36)	2:25:A:ASP:N	2:25:A:ASP:CA	2:25:A:ASP:C	2:26:A:LYS:N	2	1.26	0.19	1.2
(1,63)	2:39:A:THR:C	2:40:A:ARG:N	2:40:A:ARG:CA	2:40:A:ARG:C	2	1.25	0.24	1.2
(1,256)	2:62:B:LEU:N	2:62:B:LEU:CA	2:62:B:LEU:C	2:63:B:ASP:N	2	1.23	0.16	1.2
(1,299)	2:85:B:MET:C	2:86:B:CYS:N	2:86:B:CYS:CA	2:86:B:CYS:C	2	1.23	0.12	1.2
(1,257)	2:63:B:ASP:C	2:64:B:SER:N	2:64:B:SER:CA	2:64:B:SER:C	2	1.14	0.12	1.1
(1,184)	2:16:B:PHE:N	2:16:B:PHE:CA	2:16:B:PHE:C	2:17:B:HIS:N	2	1.1	0.0	1.1

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

10.5 All violated dihedral-angle restraints (i)

10.5.1 Histogram : Distribution of violations (i)

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



10.5.2 Table: All violated dihedral-angle restraints

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

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,366)	1:1931:C:PRO:N	1:1931:C:PRO:CA	1:1931:C:PRO:C	1:1932:C:ARG:N	2	8.1
(1,76)	2:47:A:GLY:N	2:47:A:GLY:CA	2:47:A:GLY:C	2:48:A:LYS:N	14	6.57
(1,76)	2:47:A:GLY:N	2:47:A:GLY:CA	2:47:A:GLY:C	2:48:A:LYS:N	8	6.23
(1,232)	2:47:B:GLY:N	2:47:B:GLY:CA	2:47:B:GLY:C	2:48:B:LYS:N	16	6.12
(1,359)	1:1923:C:ARG:C	1:1924:C:GLY:N	1:1924:C:GLY:CA	1:1924:C:GLY:C	12	5.54
(1,264)	2:67:B:ASP:N	2:67:B:ASP:CA	2:67:B:ASP:C	2:68:B:ASN:N	2	5.23
(1,232)	2:47:B:GLY:N	2:47:B:GLY:CA	2:47:B:GLY:C	2:48:B:LYS:N	5	5.07
(1,72)	2:45:A:PHE:N	2:45:A:PHE:CA	2:45:A:PHE:C	2:46:A:LEU:N	3	4.98
(1,232)	2:47:B:GLY:N	2:47:B:GLY:CA	2:47:B:GLY:C	2:48:B:LYS:N	1	4.82
(1,232)	2:47:B:GLY:N	2:47:B:GLY:CA	2:47:B:GLY:C	2:48:B:LYS:N	9	4.82
(1,366)	1:1931:C:PRO:N	1:1931:C:PRO:CA	1:1931:C:PRO:C	1:1932:C:ARG:N	11	4.8
(1,76)	2:47:A:GLY:N	2:47:A:GLY:CA	2:47:A:GLY:C	2:48:A:LYS:N	2	4.8
(1,72)	2:45:A:PHE:N	2:45:A:PHE:CA	2:45:A:PHE:C	2:46:A:LEU:N	19	4.73
(1,366)	1:1931:C:PRO:N	1:1931:C:PRO:CA	1:1931:C:PRO:C	1:1932:C:ARG:N	17	4.67
(1,77)	2:49:A:ARG:C	2:50:A:THR:N	2:50:A:THR:CA	2:50:A:THR:C	20	4.66
(1,232)	2:47:B:GLY:N	2:47:B:GLY:CA	2:47:B:GLY:C	2:48:B:LYS:N	10	4.65
(1,366)	1:1931:C:PRO:N	1:1931:C:PRO:CA	1:1931:C:PRO:C	1:1932:C:ARG:N	4	4.63
(1,366)	1:1931:C:PRO:N	1:1931:C:PRO:CA	1:1931:C:PRO:C	1:1932:C:ARG:N	13	4.62
(1,76)	2:47:A:GLY:N	2:47:A:GLY:CA	2:47:A:GLY:C	2:48:A:LYS:N	20	4.61
(1,366)	1:1931:C:PRO:N	1:1931:C:PRO:CA	1:1931:C:PRO:C	1:1932:C:ARG:N	19	4.57
(1,2)	2:4:A:PRO:N	2:4:A:PRO:CA	2:4:A:PRO:C	2:5:A:LEU:N	11	4.46

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,232)	2:47:B:GLY:N	2:47:B:GLY:CA	2:47:B:GLY:C	2:48:B:LYS:N	6	4.37
(1,72)	2:45:A:PHE:N	2:45:A:PHE:CA	2:45:A:PHE:C	2:46:A:LEU:N	12	4.36
(1,232)	2:47:B:GLY:N	2:47:B:GLY:CA	2:47:B:GLY:C	2:48:B:LYS:N	2	4.27
(1,72)	2:45:A:PHE:N	2:45:A:PHE:CA	2:45:A:PHE:C	2:46:A:LEU:N	5	4.19
(1,24)	2:15:A:THR:N	2:15:A:THR:CA	2:15:A:THR:C	2:16:A:PHE:N	15	4.19
(1,232)	2:47:B:GLY:N	2:47:B:GLY:CA	2:47:B:GLY:C	2:48:B:LYS:N	8	4.17
(1,312)	2:92:B:GLY:N	2:92:B:GLY:CA	2:92:B:GLY:C	2:93:B:PHE:N	20	4.11
(1,24)	2:15:A:THR:N	2:15:A:THR:CA	2:15:A:THR:C	2:16:A:PHE:N	10	4.11
(1,232)	2:47:B:GLY:N	2:47:B:GLY:CA	2:47:B:GLY:C	2:48:B:LYS:N	14	4.09
(1,156)	2:92:A:GLY:N	2:92:A:GLY:CA	2:92:A:GLY:C	2:93:A:PHE:N	15	4.04
(1,160)	2:4:B:PRO:N	2:4:B:PRO:CA	2:4:B:PRO:C	2:5:B:LEU:N	11	4.01
(1,232)	2:47:B:GLY:N	2:47:B:GLY:CA	2:47:B:GLY:C	2:48:B:LYS:N	7	3.99
(1,312)	2:92:B:GLY:N	2:92:B:GLY:CA	2:92:B:GLY:C	2:93:B:PHE:N	17	3.98
(1,264)	2:67:B:ASP:N	2:67:B:ASP:CA	2:67:B:ASP:C	2:68:B:ASN:N	4	3.87
(1,368)	1:1934:C:MET:N	1:1934:C:MET:CA	1:1934:C:MET:C	1:1935:C:ALA:N	20	3.86
(1,24)	2:15:A:THR:N	2:15:A:THR:CA	2:15:A:THR:C	2:16:A:PHE:N	6	3.84
(1,366)	1:1931:C:PRO:N	1:1931:C:PRO:CA	1:1931:C:PRO:C	1:1932:C:ARG:N	1	3.82
(1,232)	2:47:B:GLY:N	2:47:B:GLY:CA	2:47:B:GLY:C	2:48:B:LYS:N	12	3.81
(1,232)	2:47:B:GLY:N	2:47:B:GLY:CA	2:47:B:GLY:C	2:48:B:LYS:N	4	3.65
(1,2)	2:4:A:PRO:N	2:4:A:PRO:CA	2:4:A:PRO:C	2:5:A:LEU:N	14	3.6
(1,2)	2:4:A:PRO:N	2:4:A:PRO:CA	2:4:A:PRO:C	2:5:A:LEU:N	18	3.56
(1,232)	2:47:B:GLY:N	2:47:B:GLY:CA	2:47:B:GLY:C	2:48:B:LYS:N	19	3.55
(1,366)	1:1931:C:PRO:N	1:1931:C:PRO:CA	1:1931:C:PRO:C	1:1932:C:ARG:N	8	3.49
(1,38)	2:27:A:PHE:N	2:27:A:PHE:CA	2:27:A:PHE:C	2:28:A:LYS:N	18	3.49
(1,232)	2:47:B:GLY:N	2:47:B:GLY:CA	2:47:B:GLY:C	2:48:B:LYS:N	3	3.48
(1,152)	2:89:A:PHE:N	2:89:A:PHE:CA	2:89:A:PHE:C	2:90:A:PHE:N	12	3.43
(1,196)	2:27:B:PHE:N	2:27:B:PHE:CA	2:27:B:PHE:C	2:28:B:LYS:N	18	3.41
(1,290)	2:81:B:CYS:N	2:81:B:CYS:CA	2:81:B:CYS:C	2:82:B:ILE:N	20	3.37
(1,2)	2:4:A:PRO:N	2:4:A:PRO:CA	2:4:A:PRO:C	2:5:A:LEU:N	4	3.34
(1,361)	1:1928:C:PHE:C	1:1929:C:VAL:N	1:1929:C:VAL:CA	1:1929:C:VAL:C	5	3.33
(1,72)	2:45:A:PHE:N	2:45:A:PHE:CA	2:45:A:PHE:C	2:46:A:LEU:N	15	3.3
(1,160)	2:4:B:PRO:N	2:4:B:PRO:CA	2:4:B:PRO:C	2:5:B:LEU:N	18	3.25
(1,2)	2:4:A:PRO:N	2:4:A:PRO:CA	2:4:A:PRO:C	2:5:A:LEU:N	1	3.25
(1,2)	2:4:A:PRO:N	2:4:A:PRO:CA	2:4:A:PRO:C	2:5:A:LEU:N	16	3.25
(1,232)	2:47:B:GLY:N	2:47:B:GLY:CA	2:47:B:GLY:C	2:48:B:LYS:N	13	3.19
(1,195)	2:26:B:LYS:C	2:27:B:PHE:N	2:27:B:PHE:CA	2:27:B:PHE:C	11	3.17
(1,359)	1:1923:C:ARG:C	1:1924:C:GLY:N	1:1924:C:GLY:CA	1:1924:C:GLY:C	16	3.15
(1,359)	1:1923:C:ARG:C	1:1924:C:GLY:N	1:1924:C:GLY:CA	1:1924:C:GLY:C	19	3.13
(1,305)	2:88:B:GLU:C	2:89:B:PHE:N	2:89:B:PHE:CA	2:89:B:PHE:C	9	3.12
(1,232)	2:47:B:GLY:N	2:47:B:GLY:CA	2:47:B:GLY:C	2:48:B:LYS:N	18	3.11
(1,24)	2:15:A:THR:N	2:15:A:THR:CA	2:15:A:THR:C	2:16:A:PHE:N	17	3.08
(1,366)	1:1931:C:PRO:N	1:1931:C:PRO:CA	1:1931:C:PRO:C	1:1932:C:ARG:N	7	3.05
(1,177)	2:12:B:MET:C	2:13:B:VAL:N	2:13:B:VAL:CA	2:13:B:VAL:C	18	3.04
(1,2)	2:4:A:PRO:N	2:4:A:PRO:CA	2:4:A:PRO:C	2:5:A:LEU:N	9	3.03
(1,224)	2:41:B:GLU:N	2:41:B:GLU:CA	2:41:B:GLU:C	2:42:B:LEU:N	8	3.02
(1,156)	2:92:A:GLY:N	2:92:A:GLY:CA	2:92:A:GLY:C	2:93:A:PHE:N	7	3.02
(1,366)	1:1931:C:PRO:N	1:1931:C:PRO:CA	1:1931:C:PRO:C	1:1932:C:ARG:N	16	3.01
(1,253)	2:60:B:SER:C	2:61:B:ASN:N	2:61:B:ASN:CA	2:61:B:ASN:C	3	3.01
(1,156)	2:92:A:GLY:N	2:92:A:GLY:CA	2:92:A:GLY:C	2:93:A:PHE:N	4	3.0
(1,19)	2:12:A:MET:C	2:13:A:VAL:N	2:13:A:VAL:CA	2:13:A:VAL:C	18	2.98
(1,158)	2:2:B:ALA:N	2:2:B:ALA:CA	2:2:B:ALA:C	2:3:B:CYS:N	6	2.96

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2)	2:4:A:PRO:N	2:4:A:PRO:CA	2:4:A:PRO:C	2:5:A:LEU:N	3	2.94
(1,2)	2:4:A:PRO:N	2:4:A:PRO:CA	2:4:A:PRO:C	2:5:A:LEU:N	17	2.94
(1,160)	2:4:B:PRO:N	2:4:B:PRO:CA	2:4:B:PRO:C	2:5:B:LEU:N	4	2.93
(1,66)	2:41:A:GLU:N	2:41:A:GLU:CA	2:41:A:GLU:C	2:42:A:LEU:N	8	2.89
(1,2)	2:4:A:PRO:N	2:4:A:PRO:CA	2:4:A:PRO:C	2:5:A:LEU:N	6	2.86
(1,366)	1:1931:C:PRO:N	1:1931:C:PRO:CA	1:1931:C:PRO:C	1:1932:C:ARG:N	9	2.85
(1,232)	2:47:B:GLY:N	2:47:B:GLY:CA	2:47:B:GLY:C	2:48:B:LYS:N	11	2.84
(1,270)	2:71:B:ASP:N	2:71:B:ASP:CA	2:71:B:ASP:C	2:72:B:PHE:N	13	2.83
(1,358)	1:1922:C:ARG:N	1:1922:C:ARG:CA	1:1922:C:ARG:C	1:1923:C:ARG:N	1	2.82
(1,312)	2:92:B:GLY:N	2:92:B:GLY:CA	2:92:B:GLY:C	2:93:B:PHE:N	13	2.81
(1,359)	1:1923:C:ARG:C	1:1924:C:GLY:N	1:1924:C:GLY:CA	1:1924:C:GLY:C	11	2.79
(1,24)	2:15:A:THR:N	2:15:A:THR:CA	2:15:A:THR:C	2:16:A:PHE:N	2	2.79
(1,2)	2:4:A:PRO:N	2:4:A:PRO:CA	2:4:A:PRO:C	2:5:A:LEU:N	15	2.78
(1,359)	1:1923:C:ARG:C	1:1924:C:GLY:N	1:1924:C:GLY:CA	1:1924:C:GLY:C	14	2.77
(1,358)	1:1922:C:ARG:N	1:1922:C:ARG:CA	1:1922:C:ARG:C	1:1923:C:ARG:N	4	2.76
(1,232)	2:47:B:GLY:N	2:47:B:GLY:CA	2:47:B:GLY:C	2:48:B:LYS:N	17	2.76
(1,160)	2:4:B:PRO:N	2:4:B:PRO:CA	2:4:B:PRO:C	2:5:B:LEU:N	16	2.76
(1,253)	2:60:B:SER:C	2:61:B:ASN:N	2:61:B:ASN:CA	2:61:B:ASN:C	1	2.75
(1,232)	2:47:B:GLY:N	2:47:B:GLY:CA	2:47:B:GLY:C	2:48:B:LYS:N	20	2.75
(1,2)	2:4:A:PRO:N	2:4:A:PRO:CA	2:4:A:PRO:C	2:5:A:LEU:N	12	2.75
(1,156)	2:92:A:GLY:N	2:92:A:GLY:CA	2:92:A:GLY:C	2:93:A:PHE:N	11	2.74
(1,260)	2:65:B:ASN:N	2:65:B:ASN:CA	2:65:B:ASN:C	2:66:B:ARG:N	11	2.69
(1,196)	2:27:B:PHE:N	2:27:B:PHE:CA	2:27:B:PHE:C	2:28:B:LYS:N	13	2.69
(1,79)	2:50:A:THR:C	2:51:A:ASP:N	2:51:A:ASP:CA	2:51:A:ASP:C	20	2.69
(1,358)	1:1922:C:ARG:N	1:1922:C:ARG:CA	1:1922:C:ARG:C	1:1923:C:ARG:N	19	2.68
(1,160)	2:4:B:PRO:N	2:4:B:PRO:CA	2:4:B:PRO:C	2:5:B:LEU:N	14	2.66
(1,79)	2:50:A:THR:C	2:51:A:ASP:N	2:51:A:ASP:CA	2:51:A:ASP:C	19	2.64
(1,72)	2:45:A:PHE:N	2:45:A:PHE:CA	2:45:A:PHE:C	2:46:A:LEU:N	10	2.64
(1,358)	1:1922:C:ARG:N	1:1922:C:ARG:CA	1:1922:C:ARG:C	1:1923:C:ARG:N	8	2.6
(1,252)	2:60:B:SER:N	2:60:B:SER:CA	2:60:B:SER:C	2:61:B:ASN:N	5	2.59
(1,160)	2:4:B:PRO:N	2:4:B:PRO:CA	2:4:B:PRO:C	2:5:B:LEU:N	1	2.59
(1,77)	2:49:A:ARG:C	2:50:A:THR:N	2:50:A:THR:CA	2:50:A:THR:C	2	2.59
(1,77)	2:49:A:ARG:C	2:50:A:THR:N	2:50:A:THR:CA	2:50:A:THR:C	15	2.56
(1,24)	2:15:A:THR:N	2:15:A:THR:CA	2:15:A:THR:C	2:16:A:PHE:N	14	2.56
(1,368)	1:1934:C:MET:N	1:1934:C:MET:CA	1:1934:C:MET:C	1:1935:C:ALA:N	2	2.55
(1,2)	2:4:A:PRO:N	2:4:A:PRO:CA	2:4:A:PRO:C	2:5:A:LEU:N	19	2.53
(1,79)	2:50:A:THR:C	2:51:A:ASP:N	2:51:A:ASP:CA	2:51:A:ASP:C	6	2.52
(1,366)	1:1931:C:PRO:N	1:1931:C:PRO:CA	1:1931:C:PRO:C	1:1932:C:ARG:N	6	2.51
(1,344)	1:1915:C:SER:N	1:1915:C:SER:CA	1:1915:C:SER:C	1:1916:C:SER:N	9	2.51
(1,2)	2:4:A:PRO:N	2:4:A:PRO:CA	2:4:A:PRO:C	2:5:A:LEU:N	7	2.51
(1,158)	2:2:B:ALA:N	2:2:B:ALA:CA	2:2:B:ALA:C	2:3:B:CYS:N	15	2.5
(1,65)	2:40:A:ARG:C	2:41:A:GLU:N	2:41:A:GLU:CA	2:41:A:GLU:C	18	2.5
(1,253)	2:60:B:SER:C	2:61:B:ASN:N	2:61:B:ASN:CA	2:61:B:ASN:C	11	2.49
(1,358)	1:1922:C:ARG:N	1:1922:C:ARG:CA	1:1922:C:ARG:C	1:1923:C:ARG:N	16	2.47
(1,368)	1:1934:C:MET:N	1:1934:C:MET:CA	1:1934:C:MET:C	1:1935:C:ALA:N	11	2.46
(1,152)	2:89:A:PHE:N	2:89:A:PHE:CA	2:89:A:PHE:C	2:90:A:PHE:N	17	2.46
(1,223)	2:40:B:ARG:C	2:41:B:GLU:N	2:41:B:GLU:CA	2:41:B:GLU:C	18	2.45
(1,196)	2:27:B:PHE:N	2:27:B:PHE:CA	2:27:B:PHE:C	2:28:B:LYS:N	12	2.42
(1,333)	1:1909:C:ALA:C	1:1910:C:MET:N	1:1910:C:MET:CA	1:1910:C:MET:C	12	2.41
(1,234)	2:50:B:THR:N	2:50:B:THR:CA	2:50:B:THR:C	2:51:B:ASP:N	8	2.41
(1,109)	2:66:A:ARG:C	2:67:A:ASP:N	2:67:A:ASP:CA	2:67:A:ASP:C	1	2.41

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,312)	2:92:B:GLY:N	2:92:B:GLY:CA	2:92:B:GLY:C	2:93:B:PHE:N	7	2.4
(1,157)	2:1:B:MET:C	2:2:B:ALA:N	2:2:B:ALA:CA	2:2:B:ALA:C	12	2.4
(1,366)	1:1931:C:PRO:N	1:1931:C:PRO:CA	1:1931:C:PRO:C	1:1932:C:ARG:N	12	2.39
(1,37)	2:26:A:LYS:C	2:27:A:PHE:N	2:27:A:PHE:CA	2:27:A:PHE:C	11	2.37
(1,146)	2:86:A:CYS:N	2:86:A:CYS:CA	2:86:A:CYS:C	2:87:A:ASN:N	17	2.36
(1,160)	2:4:B:PRO:N	2:4:B:PRO:CA	2:4:B:PRO:C	2:5:B:LEU:N	17	2.35
(1,38)	2:27:A:PHE:N	2:27:A:PHE:CA	2:27:A:PHE:C	2:28:A:LYS:N	12	2.35
(1,160)	2:4:B:PRO:N	2:4:B:PRO:CA	2:4:B:PRO:C	2:5:B:LEU:N	6	2.34
(1,195)	2:26:B:LYS:C	2:27:B:PHE:N	2:27:B:PHE:CA	2:27:B:PHE:C	13	2.32
(1,160)	2:4:B:PRO:N	2:4:B:PRO:CA	2:4:B:PRO:C	2:5:B:LEU:N	15	2.32
(1,24)	2:15:A:THR:N	2:15:A:THR:CA	2:15:A:THR:C	2:16:A:PHE:N	19	2.32
(1,2)	2:4:A:PRO:N	2:4:A:PRO:CA	2:4:A:PRO:C	2:5:A:LEU:N	10	2.32
(1,79)	2:50:A:THR:C	2:51:A:ASP:N	2:51:A:ASP:CA	2:51:A:ASP:C	2	2.3
(1,135)	2:80:A:SER:C	2:81:A:CYS:N	2:81:A:CYS:CA	2:81:A:CYS:C	13	2.29
(1,358)	1:1922:C:ARG:N	1:1922:C:ARG:CA	1:1922:C:ARG:C	1:1923:C:ARG:N	11	2.27
(1,2)	2:4:A:PRO:N	2:4:A:PRO:CA	2:4:A:PRO:C	2:5:A:LEU:N	13	2.27
(1,156)	2:92:A:GLY:N	2:92:A:GLY:CA	2:92:A:GLY:C	2:93:A:PHE:N	2	2.23
(1,66)	2:41:A:GLU:N	2:41:A:GLU:CA	2:41:A:GLU:C	2:42:A:LEU:N	13	2.23
(1,38)	2:27:A:PHE:N	2:27:A:PHE:CA	2:27:A:PHE:C	2:28:A:LYS:N	2	2.23
(1,152)	2:89:A:PHE:N	2:89:A:PHE:CA	2:89:A:PHE:C	2:90:A:PHE:N	13	2.21
(1,196)	2:27:B:PHE:N	2:27:B:PHE:CA	2:27:B:PHE:C	2:28:B:LYS:N	10	2.2
(1,177)	2:12:B:MET:C	2:13:B:VAL:N	2:13:B:VAL:CA	2:13:B:VAL:C	14	2.2
(1,19)	2:12:A:MET:C	2:13:A:VAL:N	2:13:A:VAL:CA	2:13:A:VAL:C	12	2.2
(1,270)	2:71:B:ASP:N	2:71:B:ASP:CA	2:71:B:ASP:C	2:72:B:PHE:N	10	2.19
(1,196)	2:27:B:PHE:N	2:27:B:PHE:CA	2:27:B:PHE:C	2:28:B:LYS:N	2	2.19
(1,24)	2:15:A:THR:N	2:15:A:THR:CA	2:15:A:THR:C	2:16:A:PHE:N	5	2.19
(1,245)	2:56:B:GLN:C	2:57:B:LYS:N	2:57:B:LYS:CA	2:57:B:LYS:C	18	2.18
(1,160)	2:4:B:PRO:N	2:4:B:PRO:CA	2:4:B:PRO:C	2:5:B:LEU:N	3	2.17
(1,160)	2:4:B:PRO:N	2:4:B:PRO:CA	2:4:B:PRO:C	2:5:B:LEU:N	9	2.17
(1,305)	2:88:B:GLU:C	2:89:B:PHE:N	2:89:B:PHE:CA	2:89:B:PHE:C	7	2.15
(1,134)	2:80:A:SER:N	2:80:A:SER:CA	2:80:A:SER:C	2:81:A:CYS:N	14	2.15
(1,270)	2:71:B:ASP:N	2:71:B:ASP:CA	2:71:B:ASP:C	2:72:B:PHE:N	3	2.14
(1,353)	1:1919:C:ASN:C	1:1920:C:LYS:N	1:1920:C:LYS:CA	1:1920:C:LYS:C	8	2.12
(1,300)	2:86:B:CYS:N	2:86:B:CYS:CA	2:86:B:CYS:C	2:87:B:ASN:N	6	2.12
(1,232)	2:47:B:GLY:N	2:47:B:GLY:CA	2:47:B:GLY:C	2:48:B:LYS:N	15	2.12
(1,72)	2:45:A:PHE:N	2:45:A:PHE:CA	2:45:A:PHE:C	2:46:A:LEU:N	16	2.12
(1,19)	2:12:A:MET:C	2:13:A:VAL:N	2:13:A:VAL:CA	2:13:A:VAL:C	14	2.12
(1,252)	2:60:B:SER:N	2:60:B:SER:CA	2:60:B:SER:C	2:61:B:ASN:N	20	2.09
(1,135)	2:80:A:SER:C	2:81:A:CYS:N	2:81:A:CYS:CA	2:81:A:CYS:C	12	2.09
(1,73)	2:45:A:PHE:C	2:46:A:LEU:N	2:46:A:LEU:CA	2:46:A:LEU:C	9	2.09
(1,290)	2:81:B:CYS:N	2:81:B:CYS:CA	2:81:B:CYS:C	2:82:B:ILE:N	7	2.08
(1,224)	2:41:B:GLU:N	2:41:B:GLU:CA	2:41:B:GLU:C	2:42:B:LEU:N	13	2.08
(1,177)	2:12:B:MET:C	2:13:B:VAL:N	2:13:B:VAL:CA	2:13:B:VAL:C	12	2.06
(1,79)	2:50:A:THR:C	2:51:A:ASP:N	2:51:A:ASP:CA	2:51:A:ASP:C	12	2.05
(1,300)	2:86:B:CYS:N	2:86:B:CYS:CA	2:86:B:CYS:C	2:87:B:ASN:N	17	2.04
(1,290)	2:81:B:CYS:N	2:81:B:CYS:CA	2:81:B:CYS:C	2:82:B:ILE:N	16	2.04
(1,109)	2:66:A:ARG:C	2:67:A:ASP:N	2:67:A:ASP:CA	2:67:A:ASP:C	17	2.04
(1,40)	2:28:A:LYS:N	2:28:A:LYS:CA	2:28:A:LYS:C	2:29:A:LEU:N	3	2.04
(1,333)	1:1909:C:ALA:C	1:1910:C:MET:N	1:1910:C:MET:CA	1:1910:C:MET:C	19	2.03
(1,320)	1:1903:C:ALA:N	1:1903:C:ALA:CA	1:1903:C:ALA:C	1:1904:C:THR:N	7	2.03
(1,234)	2:50:B:THR:N	2:50:B:THR:CA	2:50:B:THR:C	2:51:B:ASP:N	20	2.03

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,160)	2:4:B:PRO:N	2:4:B:PRO:CA	2:4:B:PRO:C	2:5:B:LEU:N	12	2.03
(1,160)	2:4:B:PRO:N	2:4:B:PRO:CA	2:4:B:PRO:C	2:5:B:LEU:N	10	2.02
(1,26)	2:16:A:PHE:N	2:16:A:PHE:CA	2:16:A:PHE:C	2:17:A:HIS:N	17	2.02
(1,160)	2:4:B:PRO:N	2:4:B:PRO:CA	2:4:B:PRO:C	2:5:B:LEU:N	13	2.0
(1,135)	2:80:A:SER:C	2:81:A:CYS:N	2:81:A:CYS:CA	2:81:A:CYS:C	8	2.0
(1,135)	2:80:A:SER:C	2:81:A:CYS:N	2:81:A:CYS:CA	2:81:A:CYS:C	9	2.0
(1,79)	2:50:A:THR:C	2:51:A:ASP:N	2:51:A:ASP:CA	2:51:A:ASP:C	13	2.0
(1,40)	2:28:A:LYS:N	2:28:A:LYS:CA	2:28:A:LYS:C	2:29:A:LEU:N	20	1.99
(1,2)	2:4:A:PRO:N	2:4:A:PRO:CA	2:4:A:PRO:C	2:5:A:LEU:N	8	1.99
(1,109)	2:66:A:ARG:C	2:67:A:ASP:N	2:67:A:ASP:CA	2:67:A:ASP:C	16	1.97
(1,198)	2:28:B:LYS:N	2:28:B:LYS:CA	2:28:B:LYS:C	2:29:B:LEU:N	6	1.96
(1,253)	2:60:B:SER:C	2:61:B:ASN:N	2:61:B:ASN:CA	2:61:B:ASN:C	7	1.95
(1,109)	2:66:A:ARG:C	2:67:A:ASP:N	2:67:A:ASP:CA	2:67:A:ASP:C	7	1.95
(1,24)	2:15:A:THR:N	2:15:A:THR:CA	2:15:A:THR:C	2:16:A:PHE:N	4	1.95
(1,320)	1:1903:C:ALA:N	1:1903:C:ALA:CA	1:1903:C:ALA:C	1:1904:C:THR:N	11	1.94
(1,290)	2:81:B:CYS:N	2:81:B:CYS:CA	2:81:B:CYS:C	2:82:B:ILE:N	15	1.94
(1,366)	1:1931:C:PRO:N	1:1931:C:PRO:CA	1:1931:C:PRO:C	1:1932:C:ARG:N	10	1.93
(1,195)	2:26:B:LYS:C	2:27:B:PHE:N	2:27:B:PHE:CA	2:27:B:PHE:C	5	1.93
(1,186)	2:17:B:HIS:N	2:17:B:HIS:CA	2:17:B:HIS:C	2:18:B:LYS:N	3	1.93
(1,160)	2:4:B:PRO:N	2:4:B:PRO:CA	2:4:B:PRO:C	2:5:B:LEU:N	19	1.93
(1,38)	2:27:A:PHE:N	2:27:A:PHE:CA	2:27:A:PHE:C	2:28:A:LYS:N	13	1.93
(1,24)	2:15:A:THR:N	2:15:A:THR:CA	2:15:A:THR:C	2:16:A:PHE:N	8	1.93
(1,2)	2:4:A:PRO:N	2:4:A:PRO:CA	2:4:A:PRO:C	2:5:A:LEU:N	5	1.93
(1,333)	1:1909:C:ALA:C	1:1910:C:MET:N	1:1910:C:MET:CA	1:1910:C:MET:C	14	1.92
(1,88)	2:55:A:PHE:N	2:55:A:PHE:CA	2:55:A:PHE:C	2:56:A:GLN:N	2	1.91
(1,79)	2:50:A:THR:C	2:51:A:ASP:N	2:51:A:ASP:CA	2:51:A:ASP:C	15	1.91
(1,223)	2:40:B:ARG:C	2:41:B:GLU:N	2:41:B:GLU:CA	2:41:B:GLU:C	2	1.9
(1,40)	2:28:A:LYS:N	2:28:A:LYS:CA	2:28:A:LYS:C	2:29:A:LEU:N	6	1.9
(1,177)	2:12:B:MET:C	2:13:B:VAL:N	2:13:B:VAL:CA	2:13:B:VAL:C	8	1.89
(1,134)	2:80:A:SER:N	2:80:A:SER:CA	2:80:A:SER:C	2:81:A:CYS:N	1	1.89
(1,320)	1:1903:C:ALA:N	1:1903:C:ALA:CA	1:1903:C:ALA:C	1:1904:C:THR:N	16	1.88
(1,306)	2:89:B:PHE:N	2:89:B:PHE:CA	2:89:B:PHE:C	2:90:B:PHE:N	14	1.87
(1,38)	2:27:A:PHE:N	2:27:A:PHE:CA	2:27:A:PHE:C	2:28:A:LYS:N	10	1.86
(1,24)	2:15:A:THR:N	2:15:A:THR:CA	2:15:A:THR:C	2:16:A:PHE:N	16	1.86
(1,2)	2:4:A:PRO:N	2:4:A:PRO:CA	2:4:A:PRO:C	2:5:A:LEU:N	2	1.84
(1,177)	2:12:B:MET:C	2:13:B:VAL:N	2:13:B:VAL:CA	2:13:B:VAL:C	15	1.83
(1,66)	2:41:A:GLU:N	2:41:A:GLU:CA	2:41:A:GLU:C	2:42:A:LEU:N	16	1.83
(1,65)	2:40:A:ARG:C	2:41:A:GLU:N	2:41:A:GLU:CA	2:41:A:GLU:C	11	1.83
(1,366)	1:1931:C:PRO:N	1:1931:C:PRO:CA	1:1931:C:PRO:C	1:1932:C:ARG:N	14	1.82
(1,333)	1:1909:C:ALA:C	1:1910:C:MET:N	1:1910:C:MET:CA	1:1910:C:MET:C	9	1.82
(1,290)	2:81:B:CYS:N	2:81:B:CYS:CA	2:81:B:CYS:C	2:82:B:ILE:N	11	1.82
(1,223)	2:40:B:ARG:C	2:41:B:GLU:N	2:41:B:GLU:CA	2:41:B:GLU:C	4	1.82
(1,160)	2:4:B:PRO:N	2:4:B:PRO:CA	2:4:B:PRO:C	2:5:B:LEU:N	7	1.82
(1,79)	2:50:A:THR:C	2:51:A:ASP:N	2:51:A:ASP:CA	2:51:A:ASP:C	10	1.82
(1,72)	2:45:A:PHE:N	2:45:A:PHE:CA	2:45:A:PHE:C	2:46:A:LEU:N	11	1.82
(1,19)	2:12:A:MET:C	2:13:A:VAL:N	2:13:A:VAL:CA	2:13:A:VAL:C	4	1.82
(1,136)	2:81:A:CYS:N	2:81:A:CYS:CA	2:81:A:CYS:C	2:82:A:ILE:N	10	1.81
(1,359)	1:1923:C:ARG:C	1:1924:C:GLY:N	1:1924:C:GLY:CA	1:1924:C:GLY:C	3	1.8
(1,19)	2:12:A:MET:C	2:13:A:VAL:N	2:13:A:VAL:CA	2:13:A:VAL:C	15	1.8
(1,306)	2:89:B:PHE:N	2:89:B:PHE:CA	2:89:B:PHE:C	2:90:B:PHE:N	18	1.79
(1,252)	2:60:B:SER:N	2:60:B:SER:CA	2:60:B:SER:C	2:61:B:ASN:N	13	1.79

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,194)	2:25:B:ASP:N	2:25:B:ASP:CA	2:25:B:ASP:C	2:26:B:LYS:N	11	1.79
(1,359)	1:1923:C:ARG:C	1:1924:C:GLY:N	1:1924:C:GLY:CA	1:1924:C:GLY:C	15	1.78
(1,252)	2:60:B:SER:N	2:60:B:SER:CA	2:60:B:SER:C	2:61:B:ASN:N	17	1.78
(1,270)	2:71:B:ASP:N	2:71:B:ASP:CA	2:71:B:ASP:C	2:72:B:PHE:N	5	1.77
(1,270)	2:71:B:ASP:N	2:71:B:ASP:CA	2:71:B:ASP:C	2:72:B:PHE:N	19	1.77
(1,73)	2:45:A:PHE:C	2:46:A:LEU:N	2:46:A:LEU:CA	2:46:A:LEU:C	18	1.77
(1,65)	2:40:A:ARG:C	2:41:A:GLU:N	2:41:A:GLU:CA	2:41:A:GLU:C	4	1.77
(1,65)	2:40:A:ARG:C	2:41:A:GLU:N	2:41:A:GLU:CA	2:41:A:GLU:C	2	1.76
(1,135)	2:80:A:SER:C	2:81:A:CYS:N	2:81:A:CYS:CA	2:81:A:CYS:C	3	1.75
(1,135)	2:80:A:SER:C	2:81:A:CYS:N	2:81:A:CYS:CA	2:81:A:CYS:C	18	1.74
(1,37)	2:26:A:LYS:C	2:27:A:PHE:N	2:27:A:PHE:CA	2:27:A:PHE:C	13	1.74
(1,333)	1:1909:C:ALA:C	1:1910:C:MET:N	1:1910:C:MET:CA	1:1910:C:MET:C	1	1.73
(1,317)	1:1901:C:GLU:C	1:1902:C:ASP:N	1:1902:C:ASP:CA	1:1902:C:ASP:C	12	1.73
(1,177)	2:12:B:MET:C	2:13:B:VAL:N	2:13:B:VAL:CA	2:13:B:VAL:C	11	1.72
(1,157)	2:1:B:MET:C	2:2:B:ALA:N	2:2:B:ALA:CA	2:2:B:ALA:C	6	1.72
(1,74)	2:46:A:LEU:N	2:46:A:LEU:CA	2:46:A:LEU:C	2:47:A:GLY:N	14	1.72
(1,158)	2:2:B:ALA:N	2:2:B:ALA:CA	2:2:B:ALA:C	2:3:B:CYS:N	4	1.71
(1,26)	2:16:A:PHE:N	2:16:A:PHE:CA	2:16:A:PHE:C	2:17:A:HIS:N	10	1.71
(1,19)	2:12:A:MET:C	2:13:A:VAL:N	2:13:A:VAL:CA	2:13:A:VAL:C	8	1.71
(1,306)	2:89:B:PHE:N	2:89:B:PHE:CA	2:89:B:PHE:C	2:90:B:PHE:N	12	1.7
(1,158)	2:2:B:ALA:N	2:2:B:ALA:CA	2:2:B:ALA:C	2:3:B:CYS:N	1	1.7
(1,77)	2:49:A:ARG:C	2:50:A:THR:N	2:50:A:THR:CA	2:50:A:THR:C	18	1.7
(1,19)	2:12:A:MET:C	2:13:A:VAL:N	2:13:A:VAL:CA	2:13:A:VAL:C	11	1.7
(1,312)	2:92:B:GLY:N	2:92:B:GLY:CA	2:92:B:GLY:C	2:93:B:PHE:N	3	1.69
(1,366)	1:1931:C:PRO:N	1:1931:C:PRO:CA	1:1931:C:PRO:C	1:1932:C:ARG:N	5	1.68
(1,198)	2:28:B:LYS:N	2:28:B:LYS:CA	2:28:B:LYS:C	2:29:B:LEU:N	2	1.68
(1,333)	1:1909:C:ALA:C	1:1910:C:MET:N	1:1910:C:MET:CA	1:1910:C:MET:C	6	1.67
(1,198)	2:28:B:LYS:N	2:28:B:LYS:CA	2:28:B:LYS:C	2:29:B:LEU:N	13	1.67
(1,196)	2:27:B:PHE:N	2:27:B:PHE:CA	2:27:B:PHE:C	2:28:B:LYS:N	7	1.66
(1,136)	2:81:A:CYS:N	2:81:A:CYS:CA	2:81:A:CYS:C	2:82:A:ILE:N	19	1.65
(1,290)	2:81:B:CYS:N	2:81:B:CYS:CA	2:81:B:CYS:C	2:82:B:ILE:N	4	1.64
(1,38)	2:27:A:PHE:N	2:27:A:PHE:CA	2:27:A:PHE:C	2:28:A:LYS:N	1	1.64
(1,24)	2:15:A:THR:N	2:15:A:THR:CA	2:15:A:THR:C	2:16:A:PHE:N	20	1.64
(1,198)	2:28:B:LYS:N	2:28:B:LYS:CA	2:28:B:LYS:C	2:29:B:LEU:N	3	1.63
(1,65)	2:40:A:ARG:C	2:41:A:GLU:N	2:41:A:GLU:CA	2:41:A:GLU:C	12	1.63
(1,358)	1:1922:C:ARG:N	1:1922:C:ARG:CA	1:1922:C:ARG:C	1:1923:C:ARG:N	2	1.62
(1,24)	2:15:A:THR:N	2:15:A:THR:CA	2:15:A:THR:C	2:16:A:PHE:N	11	1.62
(1,320)	1:1903:C:ALA:N	1:1903:C:ALA:CA	1:1903:C:ALA:C	1:1904:C:THR:N	2	1.61
(1,253)	2:60:B:SER:C	2:61:B:ASN:N	2:61:B:ASN:CA	2:61:B:ASN:C	2	1.61
(1,224)	2:41:B:GLU:N	2:41:B:GLU:CA	2:41:B:GLU:C	2:42:B:LEU:N	12	1.61
(1,38)	2:27:A:PHE:N	2:27:A:PHE:CA	2:27:A:PHE:C	2:28:A:LYS:N	5	1.6
(1,177)	2:12:B:MET:C	2:13:B:VAL:N	2:13:B:VAL:CA	2:13:B:VAL:C	4	1.59
(1,135)	2:80:A:SER:C	2:81:A:CYS:N	2:81:A:CYS:CA	2:81:A:CYS:C	6	1.59
(1,72)	2:45:A:PHE:N	2:45:A:PHE:CA	2:45:A:PHE:C	2:46:A:LEU:N	1	1.59
(1,113)	2:69:A:GLU:C	2:70:A:VAL:N	2:70:A:VAL:CA	2:70:A:VAL:C	19	1.58
(1,300)	2:86:B:CYS:N	2:86:B:CYS:CA	2:86:B:CYS:C	2:87:B:ASN:N	1	1.57
(1,253)	2:60:B:SER:C	2:61:B:ASN:N	2:61:B:ASN:CA	2:61:B:ASN:C	9	1.57
(1,136)	2:81:A:CYS:N	2:81:A:CYS:CA	2:81:A:CYS:C	2:82:A:ILE:N	17	1.57
(1,135)	2:80:A:SER:C	2:81:A:CYS:N	2:81:A:CYS:CA	2:81:A:CYS:C	16	1.57
(1,66)	2:41:A:GLU:N	2:41:A:GLU:CA	2:41:A:GLU:C	2:42:A:LEU:N	2	1.56
(1,320)	1:1903:C:ALA:N	1:1903:C:ALA:CA	1:1903:C:ALA:C	1:1904:C:THR:N	9	1.55

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,253)	2:60:B:SER:C	2:61:B:ASN:N	2:61:B:ASN:CA	2:61:B:ASN:C	16	1.55
(1,223)	2:40:B:ARG:C	2:41:B:GLU:N	2:41:B:GLU:CA	2:41:B:GLU:C	11	1.55
(1,79)	2:50:A:THR:C	2:51:A:ASP:N	2:51:A:ASP:CA	2:51:A:ASP:C	17	1.55
(1,358)	1:1922:C:ARG:N	1:1922:C:ARG:CA	1:1922:C:ARG:C	1:1923:C:ARG:N	9	1.54
(1,306)	2:89:B:PHE:N	2:89:B:PHE:CA	2:89:B:PHE:C	2:90:B:PHE:N	6	1.54
(1,290)	2:81:B:CYS:N	2:81:B:CYS:CA	2:81:B:CYS:C	2:82:B:ILE:N	1	1.54
(1,135)	2:80:A:SER:C	2:81:A:CYS:N	2:81:A:CYS:CA	2:81:A:CYS:C	2	1.54
(1,224)	2:41:B:GLU:N	2:41:B:GLU:CA	2:41:B:GLU:C	2:42:B:LEU:N	16	1.53
(1,223)	2:40:B:ARG:C	2:41:B:GLU:N	2:41:B:GLU:CA	2:41:B:GLU:C	3	1.53
(1,189)	2:18:B:LYS:C	2:19:B:TYR:N	2:19:B:TYR:CA	2:19:B:TYR:C	15	1.53
(1,78)	2:50:A:THR:N	2:50:A:THR:CA	2:50:A:THR:C	2:51:A:ASP:N	8	1.53
(1,66)	2:41:A:GLU:N	2:41:A:GLU:CA	2:41:A:GLU:C	2:42:A:LEU:N	12	1.53
(1,357)	1:1921:C:LEU:C	1:1922:C:ARG:N	1:1922:C:ARG:CA	1:1922:C:ARG:C	8	1.52
(1,40)	2:28:A:LYS:N	2:28:A:LYS:CA	2:28:A:LYS:C	2:29:A:LEU:N	9	1.52
(1,359)	1:1923:C:ARG:C	1:1924:C:GLY:N	1:1924:C:GLY:CA	1:1924:C:GLY:C	8	1.51
(1,65)	2:40:A:ARG:C	2:41:A:GLU:N	2:41:A:GLU:CA	2:41:A:GLU:C	3	1.51
(1,160)	2:4:B:PRO:N	2:4:B:PRO:CA	2:4:B:PRO:C	2:5:B:LEU:N	2	1.5
(1,116)	2:71:A:ASP:N	2:71:A:ASP:CA	2:71:A:ASP:C	2:72:A:PHE:N	13	1.5
(1,112)	2:69:A:GLU:N	2:69:A:GLU:CA	2:69:A:GLU:C	2:70:A:VAL:N	4	1.5
(1,109)	2:66:A:ARG:C	2:67:A:ASP:N	2:67:A:ASP:CA	2:67:A:ASP:C	6	1.5
(1,40)	2:28:A:LYS:N	2:28:A:LYS:CA	2:28:A:LYS:C	2:29:A:LEU:N	2	1.5
(1,136)	2:81:A:CYS:N	2:81:A:CYS:CA	2:81:A:CYS:C	2:82:A:ILE:N	14	1.49
(1,136)	2:81:A:CYS:N	2:81:A:CYS:CA	2:81:A:CYS:C	2:82:A:ILE:N	20	1.49
(1,79)	2:50:A:THR:C	2:51:A:ASP:N	2:51:A:ASP:CA	2:51:A:ASP:C	4	1.49
(1,63)	2:39:A:THR:C	2:40:A:ARG:N	2:40:A:ARG:CA	2:40:A:ARG:C	8	1.49
(1,290)	2:81:B:CYS:N	2:81:B:CYS:CA	2:81:B:CYS:C	2:82:B:ILE:N	17	1.48
(1,196)	2:27:B:PHE:N	2:27:B:PHE:CA	2:27:B:PHE:C	2:28:B:LYS:N	5	1.48
(1,160)	2:4:B:PRO:N	2:4:B:PRO:CA	2:4:B:PRO:C	2:5:B:LEU:N	8	1.48
(1,359)	1:1923:C:ARG:C	1:1924:C:GLY:N	1:1924:C:GLY:CA	1:1924:C:GLY:C	6	1.47
(1,223)	2:40:B:ARG:C	2:41:B:GLU:N	2:41:B:GLU:CA	2:41:B:GLU:C	12	1.47
(1,196)	2:27:B:PHE:N	2:27:B:PHE:CA	2:27:B:PHE:C	2:28:B:LYS:N	15	1.47
(1,135)	2:80:A:SER:C	2:81:A:CYS:N	2:81:A:CYS:CA	2:81:A:CYS:C	11	1.47
(1,198)	2:28:B:LYS:N	2:28:B:LYS:CA	2:28:B:LYS:C	2:29:B:LEU:N	7	1.45
(1,40)	2:28:A:LYS:N	2:28:A:LYS:CA	2:28:A:LYS:C	2:29:A:LEU:N	13	1.45
(1,36)	2:25:A:ASP:N	2:25:A:ASP:CA	2:25:A:ASP:C	2:26:A:LYS:N	11	1.45
(1,189)	2:18:B:LYS:C	2:19:B:TYR:N	2:19:B:TYR:CA	2:19:B:TYR:C	14	1.44
(1,198)	2:28:B:LYS:N	2:28:B:LYS:CA	2:28:B:LYS:C	2:29:B:LEU:N	8	1.41
(1,177)	2:12:B:MET:C	2:13:B:VAL:N	2:13:B:VAL:CA	2:13:B:VAL:C	3	1.41
(1,136)	2:81:A:CYS:N	2:81:A:CYS:CA	2:81:A:CYS:C	2:82:A:ILE:N	1	1.41
(1,79)	2:50:A:THR:C	2:51:A:ASP:N	2:51:A:ASP:CA	2:51:A:ASP:C	14	1.41
(1,65)	2:40:A:ARG:C	2:41:A:GLU:N	2:41:A:GLU:CA	2:41:A:GLU:C	10	1.41
(1,239)	2:53:B:ALA:C	2:54:B:ALA:N	2:54:B:ALA:CA	2:54:B:ALA:C	20	1.4
(1,158)	2:2:B:ALA:N	2:2:B:ALA:CA	2:2:B:ALA:C	2:3:B:CYS:N	16	1.4
(1,357)	1:1921:C:LEU:C	1:1922:C:ARG:N	1:1922:C:ARG:CA	1:1922:C:ARG:C	4	1.39
(1,256)	2:62:B:LEU:N	2:62:B:LEU:CA	2:62:B:LEU:C	2:63:B:ASP:N	19	1.39
(1,40)	2:28:A:LYS:N	2:28:A:LYS:CA	2:28:A:LYS:C	2:29:A:LEU:N	14	1.38
(1,270)	2:71:B:ASP:N	2:71:B:ASP:CA	2:71:B:ASP:C	2:72:B:PHE:N	2	1.37
(1,77)	2:49:A:ARG:C	2:50:A:THR:N	2:50:A:THR:CA	2:50:A:THR:C	19	1.37
(1,40)	2:28:A:LYS:N	2:28:A:LYS:CA	2:28:A:LYS:C	2:29:A:LEU:N	8	1.37
(1,136)	2:81:A:CYS:N	2:81:A:CYS:CA	2:81:A:CYS:C	2:82:A:ILE:N	5	1.36
(1,358)	1:1922:C:ARG:N	1:1922:C:ARG:CA	1:1922:C:ARG:C	1:1923:C:ARG:N	17	1.35

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,185)	2:16:B:PHE:C	2:17:B:HIS:N	2:17:B:HIS:CA	2:17:B:HIS:C	1	1.35
(1,19)	2:12:A:MET:C	2:13:A:VAL:N	2:13:A:VAL:CA	2:13:A:VAL:C	3	1.35
(1,19)	2:12:A:MET:C	2:13:A:VAL:N	2:13:A:VAL:CA	2:13:A:VAL:C	6	1.35
(1,299)	2:85:B:MET:C	2:86:B:CYS:N	2:86:B:CYS:CA	2:86:B:CYS:C	9	1.34
(1,158)	2:2:B:ALA:N	2:2:B:ALA:CA	2:2:B:ALA:C	2:3:B:CYS:N	19	1.34
(1,260)	2:65:B:ASN:N	2:65:B:ASN:CA	2:65:B:ASN:C	2:66:B:ARG:N	18	1.33
(1,152)	2:89:A:PHE:N	2:89:A:PHE:CA	2:89:A:PHE:C	2:90:A:PHE:N	3	1.33
(1,88)	2:55:A:PHE:N	2:55:A:PHE:CA	2:55:A:PHE:C	2:56:A:GLN:N	3	1.33
(1,73)	2:45:A:PHE:C	2:46:A:LEU:N	2:46:A:LEU:CA	2:46:A:LEU:C	4	1.33
(1,305)	2:88:B:GLU:C	2:89:B:PHE:N	2:89:B:PHE:CA	2:89:B:PHE:C	20	1.32
(1,221)	2:39:B:THR:C	2:40:B:ARG:N	2:40:B:ARG:CA	2:40:B:ARG:C	8	1.32
(1,177)	2:12:B:MET:C	2:13:B:VAL:N	2:13:B:VAL:CA	2:13:B:VAL:C	6	1.32
(1,109)	2:66:A:ARG:C	2:67:A:ASP:N	2:67:A:ASP:CA	2:67:A:ASP:C	3	1.32
(1,26)	2:16:A:PHE:N	2:16:A:PHE:CA	2:16:A:PHE:C	2:17:A:HIS:N	6	1.32
(1,340)	1:1913:C:GLU:N	1:1913:C:GLU:CA	1:1913:C:GLU:C	1:1914:C:VAL:N	19	1.3
(1,333)	1:1909:C:ALA:C	1:1910:C:MET:N	1:1910:C:MET:CA	1:1910:C:MET:C	10	1.3
(1,135)	2:80:A:SER:C	2:81:A:CYS:N	2:81:A:CYS:CA	2:81:A:CYS:C	7	1.3
(1,2)	2:4:A:PRO:N	2:4:A:PRO:CA	2:4:A:PRO:C	2:5:A:LEU:N	20	1.29
(1,314)	1:1900:C:LEU:N	1:1900:C:LEU:CA	1:1900:C:LEU:C	1:1901:C:GLU:N	13	1.28
(1,260)	2:65:B:ASN:N	2:65:B:ASN:CA	2:65:B:ASN:C	2:66:B:ARG:N	4	1.28
(1,253)	2:60:B:SER:C	2:61:B:ASN:N	2:61:B:ASN:CA	2:61:B:ASN:C	10	1.28
(1,135)	2:80:A:SER:C	2:81:A:CYS:N	2:81:A:CYS:CA	2:81:A:CYS:C	5	1.28
(1,72)	2:45:A:PHE:N	2:45:A:PHE:CA	2:45:A:PHE:C	2:46:A:LEU:N	20	1.27
(1,65)	2:40:A:ARG:C	2:41:A:GLU:N	2:41:A:GLU:CA	2:41:A:GLU:C	8	1.27
(1,351)	1:1918:C:LYS:C	1:1919:C:ASN:N	1:1919:C:ASN:CA	1:1919:C:ASN:C	14	1.26
(1,257)	2:63:B:ASP:C	2:64:B:SER:N	2:64:B:SER:CA	2:64:B:SER:C	19	1.26
(1,95)	2:58:A:LEU:C	2:59:A:MET:N	2:59:A:MET:CA	2:59:A:MET:C	10	1.26
(1,66)	2:41:A:GLU:N	2:41:A:GLU:CA	2:41:A:GLU:C	2:42:A:LEU:N	20	1.26
(1,253)	2:60:B:SER:C	2:61:B:ASN:N	2:61:B:ASN:CA	2:61:B:ASN:C	8	1.24
(1,134)	2:80:A:SER:N	2:80:A:SER:CA	2:80:A:SER:C	2:81:A:CYS:N	17	1.24
(1,333)	1:1909:C:ALA:C	1:1910:C:MET:N	1:1910:C:MET:CA	1:1910:C:MET:C	15	1.23
(1,305)	2:88:B:GLU:C	2:89:B:PHE:N	2:89:B:PHE:CA	2:89:B:PHE:C	6	1.23
(1,305)	2:88:B:GLU:C	2:89:B:PHE:N	2:89:B:PHE:CA	2:89:B:PHE:C	12	1.23
(1,304)	2:88:B:GLU:N	2:88:B:GLU:CA	2:88:B:GLU:C	2:89:B:PHE:N	16	1.23
(1,157)	2:1:B:MET:C	2:2:B:ALA:N	2:2:B:ALA:CA	2:2:B:ALA:C	13	1.23
(1,109)	2:66:A:ARG:C	2:67:A:ASP:N	2:67:A:ASP:CA	2:67:A:ASP:C	8	1.23
(1,65)	2:40:A:ARG:C	2:41:A:GLU:N	2:41:A:GLU:CA	2:41:A:GLU:C	6	1.23
(1,224)	2:41:B:GLU:N	2:41:B:GLU:CA	2:41:B:GLU:C	2:42:B:LEU:N	20	1.22
(1,40)	2:28:A:LYS:N	2:28:A:LYS:CA	2:28:A:LYS:C	2:29:A:LEU:N	19	1.22
(1,27)	2:16:A:PHE:C	2:17:A:HIS:N	2:17:A:HIS:CA	2:17:A:HIS:C	1	1.22
(1,270)	2:71:B:ASP:N	2:71:B:ASP:CA	2:71:B:ASP:C	2:72:B:PHE:N	12	1.21
(1,366)	1:1931:C:PRO:N	1:1931:C:PRO:CA	1:1931:C:PRO:C	1:1932:C:ARG:N	15	1.2
(1,224)	2:41:B:GLU:N	2:41:B:GLU:CA	2:41:B:GLU:C	2:42:B:LEU:N	2	1.2
(1,105)	2:64:A:SER:C	2:65:A:ASN:N	2:65:A:ASN:CA	2:65:A:ASN:C	2	1.2
(1,65)	2:40:A:ARG:C	2:41:A:GLU:N	2:41:A:GLU:CA	2:41:A:GLU:C	5	1.2
(1,303)	2:87:B:ASN:C	2:88:B:GLU:N	2:88:B:GLU:CA	2:88:B:GLU:C	19	1.19
(1,223)	2:40:B:ARG:C	2:41:B:GLU:N	2:41:B:GLU:CA	2:41:B:GLU:C	6	1.19
(1,198)	2:28:B:LYS:N	2:28:B:LYS:CA	2:28:B:LYS:C	2:29:B:LEU:N	14	1.19
(1,160)	2:4:B:PRO:N	2:4:B:PRO:CA	2:4:B:PRO:C	2:5:B:LEU:N	5	1.19
(1,109)	2:66:A:ARG:C	2:67:A:ASP:N	2:67:A:ASP:CA	2:67:A:ASP:C	19	1.19
(1,73)	2:45:A:PHE:C	2:46:A:LEU:N	2:46:A:LEU:CA	2:46:A:LEU:C	1	1.19

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,37)	2:26:A:LYS:C	2:27:A:PHE:N	2:27:A:PHE:CA	2:27:A:PHE:C	5	1.19
(1,333)	1:1909:C:ALA:C	1:1910:C:MET:N	1:1910:C:MET:CA	1:1910:C:MET:C	18	1.18
(1,157)	2:1:B:MET:C	2:2:B:ALA:N	2:2:B:ALA:CA	2:2:B:ALA:C	19	1.18
(1,357)	1:1921:C:LEU:C	1:1922:C:ARG:N	1:1922:C:ARG:CA	1:1922:C:ARG:C	1	1.17
(1,270)	2:71:B:ASP:N	2:71:B:ASP:CA	2:71:B:ASP:C	2:72:B:PHE:N	18	1.17
(1,223)	2:40:B:ARG:C	2:41:B:GLU:N	2:41:B:GLU:CA	2:41:B:GLU:C	8	1.17
(1,158)	2:2:B:ALA:N	2:2:B:ALA:CA	2:2:B:ALA:C	2:3:B:CYS:N	9	1.17
(1,320)	1:1903:C:ALA:N	1:1903:C:ALA:CA	1:1903:C:ALA:C	1:1904:C:THR:N	8	1.16
(1,270)	2:71:B:ASP:N	2:71:B:ASP:CA	2:71:B:ASP:C	2:72:B:PHE:N	15	1.16
(1,305)	2:88:B:GLU:C	2:89:B:PHE:N	2:89:B:PHE:CA	2:89:B:PHE:C	14	1.15
(1,270)	2:71:B:ASP:N	2:71:B:ASP:CA	2:71:B:ASP:C	2:72:B:PHE:N	11	1.15
(1,28)	2:17:A:HIS:N	2:17:A:HIS:CA	2:17:A:HIS:C	2:18:A:LYS:N	3	1.15
(1,344)	1:1915:C:SER:N	1:1915:C:SER:CA	1:1915:C:SER:C	1:1916:C:SER:N	15	1.14
(1,260)	2:65:B:ASN:N	2:65:B:ASN:CA	2:65:B:ASN:C	2:66:B:ARG:N	13	1.14
(1,146)	2:86:A:CYS:N	2:86:A:CYS:CA	2:86:A:CYS:C	2:87:A:ASN:N	13	1.14
(1,136)	2:81:A:CYS:N	2:81:A:CYS:CA	2:81:A:CYS:C	2:82:A:ILE:N	15	1.14
(1,73)	2:45:A:PHE:C	2:46:A:LEU:N	2:46:A:LEU:CA	2:46:A:LEU:C	10	1.14
(1,234)	2:50:B:THR:N	2:50:B:THR:CA	2:50:B:THR:C	2:51:B:ASP:N	3	1.13
(1,196)	2:27:B:PHE:N	2:27:B:PHE:CA	2:27:B:PHE:C	2:28:B:LYS:N	11	1.13
(1,358)	1:1922:C:ARG:N	1:1922:C:ARG:CA	1:1922:C:ARG:C	1:1923:C:ARG:N	15	1.12
(1,312)	2:92:B:GLY:N	2:92:B:GLY:CA	2:92:B:GLY:C	2:93:B:PHE:N	2	1.12
(1,109)	2:66:A:ARG:C	2:67:A:ASP:N	2:67:A:ASP:CA	2:67:A:ASP:C	13	1.12
(1,109)	2:66:A:ARG:C	2:67:A:ASP:N	2:67:A:ASP:CA	2:67:A:ASP:C	18	1.12
(1,103)	2:63:A:ASP:C	2:64:A:SER:N	2:64:A:SER:CA	2:64:A:SER:C	9	1.12
(1,300)	2:86:B:CYS:N	2:86:B:CYS:CA	2:86:B:CYS:C	2:87:B:ASN:N	16	1.11
(1,299)	2:85:B:MET:C	2:86:B:CYS:N	2:86:B:CYS:CA	2:86:B:CYS:C	10	1.11
(1,252)	2:60:B:SER:N	2:60:B:SER:CA	2:60:B:SER:C	2:61:B:ASN:N	7	1.11
(1,358)	1:1922:C:ARG:N	1:1922:C:ARG:CA	1:1922:C:ARG:C	1:1923:C:ARG:N	7	1.1
(1,306)	2:89:B:PHE:N	2:89:B:PHE:CA	2:89:B:PHE:C	2:90:B:PHE:N	19	1.1
(1,270)	2:71:B:ASP:N	2:71:B:ASP:CA	2:71:B:ASP:C	2:72:B:PHE:N	7	1.1
(1,184)	2:16:B:PHE:N	2:16:B:PHE:CA	2:16:B:PHE:C	2:17:B:HIS:N	6	1.1
(1,184)	2:16:B:PHE:N	2:16:B:PHE:CA	2:16:B:PHE:C	2:17:B:HIS:N	10	1.1
(1,79)	2:50:A:THR:C	2:51:A:ASP:N	2:51:A:ASP:CA	2:51:A:ASP:C	3	1.1
(1,195)	2:26:B:LYS:C	2:27:B:PHE:N	2:27:B:PHE:CA	2:27:B:PHE:C	2	1.09
(1,316)	1:1901:C:GLU:N	1:1901:C:GLU:CA	1:1901:C:GLU:C	1:1902:C:ASP:N	13	1.08
(1,305)	2:88:B:GLU:C	2:89:B:PHE:N	2:89:B:PHE:CA	2:89:B:PHE:C	10	1.08
(1,260)	2:65:B:ASN:N	2:65:B:ASN:CA	2:65:B:ASN:C	2:66:B:ARG:N	8	1.08
(1,223)	2:40:B:ARG:C	2:41:B:GLU:N	2:41:B:GLU:CA	2:41:B:GLU:C	10	1.08
(1,136)	2:81:A:CYS:N	2:81:A:CYS:CA	2:81:A:CYS:C	2:82:A:ILE:N	4	1.08
(1,72)	2:45:A:PHE:N	2:45:A:PHE:CA	2:45:A:PHE:C	2:46:A:LEU:N	2	1.08
(1,65)	2:40:A:ARG:C	2:41:A:GLU:N	2:41:A:GLU:CA	2:41:A:GLU:C	1	1.08
(1,344)	1:1915:C:SER:N	1:1915:C:SER:CA	1:1915:C:SER:C	1:1916:C:SER:N	10	1.07
(1,312)	2:92:B:GLY:N	2:92:B:GLY:CA	2:92:B:GLY:C	2:93:B:PHE:N	18	1.07
(1,260)	2:65:B:ASN:N	2:65:B:ASN:CA	2:65:B:ASN:C	2:66:B:ARG:N	2	1.07
(1,256)	2:62:B:LEU:N	2:62:B:LEU:CA	2:62:B:LEU:C	2:63:B:ASP:N	20	1.07
(1,223)	2:40:B:ARG:C	2:41:B:GLU:N	2:41:B:GLU:CA	2:41:B:GLU:C	1	1.07
(1,36)	2:25:A:ASP:N	2:25:A:ASP:CA	2:25:A:ASP:C	2:26:A:LYS:N	17	1.07
(1,344)	1:1915:C:SER:N	1:1915:C:SER:CA	1:1915:C:SER:C	1:1916:C:SER:N	19	1.05
(1,135)	2:80:A:SER:C	2:81:A:CYS:N	2:81:A:CYS:CA	2:81:A:CYS:C	20	1.05
(1,333)	1:1909:C:ALA:C	1:1910:C:MET:N	1:1910:C:MET:CA	1:1910:C:MET:C	5	1.04
(1,312)	2:92:B:GLY:N	2:92:B:GLY:CA	2:92:B:GLY:C	2:93:B:PHE:N	10	1.04

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,198)	2:28:B:LYS:N	2:28:B:LYS:CA	2:28:B:LYS:C	2:29:B:LEU:N	19	1.04
(1,198)	2:28:B:LYS:N	2:28:B:LYS:CA	2:28:B:LYS:C	2:29:B:LEU:N	20	1.04
(1,109)	2:66:A:ARG:C	2:67:A:ASP:N	2:67:A:ASP:CA	2:67:A:ASP:C	9	1.04
(1,75)	2:46:A:LEU:C	2:47:A:GLY:N	2:47:A:GLY:CA	2:47:A:GLY:C	17	1.04
(1,359)	1:1923:C:ARG:C	1:1924:C:GLY:N	1:1924:C:GLY:CA	1:1924:C:GLY:C	1	1.03
(1,333)	1:1909:C:ALA:C	1:1910:C:MET:N	1:1910:C:MET:CA	1:1910:C:MET:C	16	1.03
(1,310)	2:91:B:GLU:N	2:91:B:GLU:CA	2:91:B:GLU:C	2:92:B:GLY:N	20	1.03
(1,300)	2:86:B:CYS:N	2:86:B:CYS:CA	2:86:B:CYS:C	2:87:B:ASN:N	3	1.03
(1,195)	2:26:B:LYS:C	2:27:B:PHE:N	2:27:B:PHE:CA	2:27:B:PHE:C	10	1.03
(1,66)	2:41:A:GLU:N	2:41:A:GLU:CA	2:41:A:GLU:C	2:42:A:LEU:N	3	1.03
(1,38)	2:27:A:PHE:N	2:27:A:PHE:CA	2:27:A:PHE:C	2:28:A:LYS:N	17	1.03
(1,359)	1:1923:C:ARG:C	1:1924:C:GLY:N	1:1924:C:GLY:CA	1:1924:C:GLY:C	5	1.02
(1,358)	1:1922:C:ARG:N	1:1922:C:ARG:CA	1:1922:C:ARG:C	1:1923:C:ARG:N	14	1.02
(1,354)	1:1920:C:LYS:N	1:1920:C:LYS:CA	1:1920:C:LYS:C	1:1921:C:LEU:N	8	1.02
(1,114)	2:70:A:VAL:N	2:70:A:VAL:CA	2:70:A:VAL:C	2:71:A:ASP:N	4	1.02
(1,72)	2:45:A:PHE:N	2:45:A:PHE:CA	2:45:A:PHE:C	2:46:A:LEU:N	14	1.02
(1,40)	2:28:A:LYS:N	2:28:A:LYS:CA	2:28:A:LYS:C	2:29:A:LEU:N	7	1.02
(1,38)	2:27:A:PHE:N	2:27:A:PHE:CA	2:27:A:PHE:C	2:28:A:LYS:N	11	1.02
(1,257)	2:63:B:ASP:C	2:64:B:SER:N	2:64:B:SER:CA	2:64:B:SER:C	9	1.01
(1,63)	2:39:A:THR:C	2:40:A:ARG:N	2:40:A:ARG:CA	2:40:A:ARG:C	3	1.01
(1,38)	2:27:A:PHE:N	2:27:A:PHE:CA	2:27:A:PHE:C	2:28:A:LYS:N	7	1.01
(1,320)	1:1903:C:ALA:N	1:1903:C:ALA:CA	1:1903:C:ALA:C	1:1904:C:THR:N	3	1.0
(1,234)	2:50:B:THR:N	2:50:B:THR:CA	2:50:B:THR:C	2:51:B:ASP:N	5	1.0
(1,138)	2:82:A:ILE:N	2:82:A:ILE:CA	2:82:A:ILE:C	2:83:A:ALA:N	2	1.0
(1,26)	2:16:A:PHE:N	2:16:A:PHE:CA	2:16:A:PHE:C	2:17:A:HIS:N	15	1.0