



Full wwPDB NMR Structure Validation Report ⓘ

Mar 5, 2026 – 10:07 PM UTC

PDB ID : 2MMV / pdb_00002mmv
BMRB ID : 19869
Title : ZapA mutant dimer from Geobacillus stearothermophilus
Authors : Nogueira, M.L.; Sforca, M.; Zeri, A.
Deposited on : 2014-03-19

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

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

A user guide is available at

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

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

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

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

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

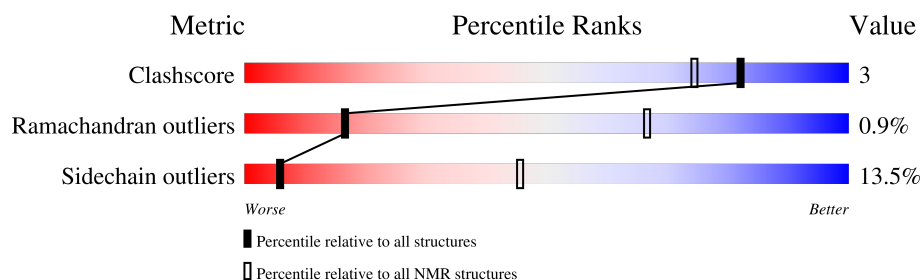
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLUTION NMR

The overall completeness of chemical shifts assignment is 39%.

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



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

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

Mol	Chain	Length	Quality of chain
1	A	86	
1	B	86	

2 Ensemble composition and analysis

This entry contains 20 models. Model 11 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative.

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

Well-defined (core) protein residues			
Well-defined core	Residue range (total)	Backbone RMSD (Å)	Medoid model
1	A:10-A:81, B:10-B:81 (144)	0.68	11

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, 7, 8, 9, 10, 11, 12, 14, 15, 16, 18, 19, 20
2	6, 13, 17

3 Entry composition

There is only 1 type of molecule in this entry. The entry contains 2823 atoms, of which 1434 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Cell division protein ZapA.

Mol	Chain	Residues	Atoms						Trace
1	A	86	Total	C	H	N	O	S	0
			1412	441	717	121	130	3	
1	B	86	Total	C	H	N	O	S	0
			1411	441	717	121	129	3	

There are 12 discrepancies between the modelled and reference sequences:

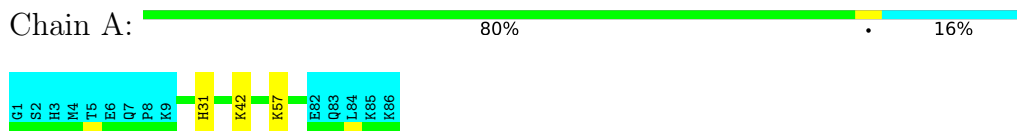
Chain	Residue	Modelled	Actual	Comment	Reference
A	1	GLY	-	expression tag	UNP A0A078N0N2
A	2	SER	-	expression tag	UNP A0A078N0N2
A	3	HIS	-	expression tag	UNP A0A078N0N2
A	50	GLN	ASN	engineered mutation	UNP A0A078N0N2
A	65	GLN	ASN	engineered mutation	UNP A0A078N0N2
A	78	GLN	ASN	engineered mutation	UNP A0A078N0N2
B	1	GLY	-	expression tag	UNP A0A078N0N2
B	2	SER	-	expression tag	UNP A0A078N0N2
B	3	HIS	-	expression tag	UNP A0A078N0N2
B	50	GLN	ASN	engineered mutation	UNP A0A078N0N2
B	65	GLN	ASN	engineered mutation	UNP A0A078N0N2
B	78	GLN	ASN	engineered mutation	UNP A0A078N0N2

4 Residue-property plots

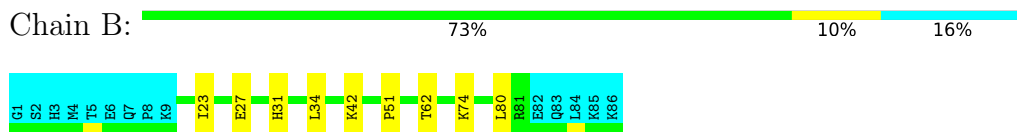
4.1 Average score per residue in the NMR ensemble

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: Cell division protein ZapA



- Molecule 1: Cell division protein ZapA

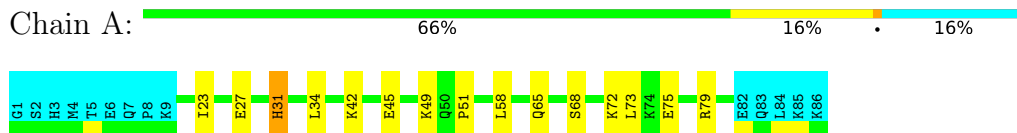


4.2 Scores per residue for each member of the ensemble

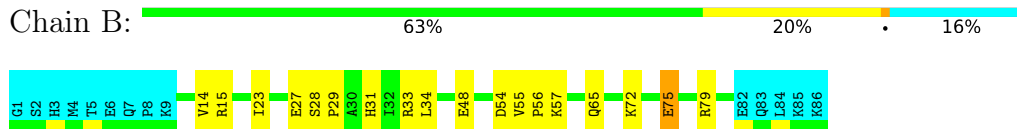
Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

- Molecule 1: Cell division protein ZapA



- Molecule 1: Cell division protein ZapA



4.2.2 Score per residue for model 2

- Molecule 1: Cell division protein ZapA

Chain A:  70% 14% 16%



- Molecule 1: Cell division protein ZapA

Chain B:  73% 10% 16%



4.2.3 Score per residue for model 3

- Molecule 1: Cell division protein ZapA

Chain A:  69% 15% 16%



- Molecule 1: Cell division protein ZapA

Chain B:  66% 17% 16%



4.2.4 Score per residue for model 4

- Molecule 1: Cell division protein ZapA

Chain A:  65% 19% 16%



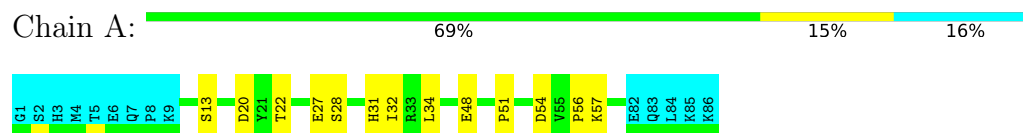
- Molecule 1: Cell division protein ZapA

Chain B:  70% 13% 16%

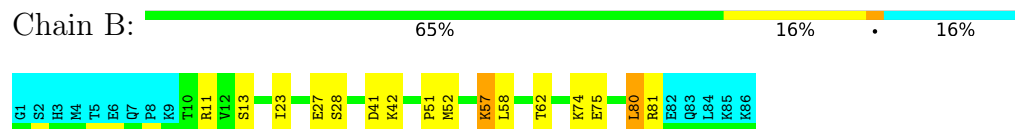


4.2.5 Score per residue for model 5

- Molecule 1: Cell division protein ZapA

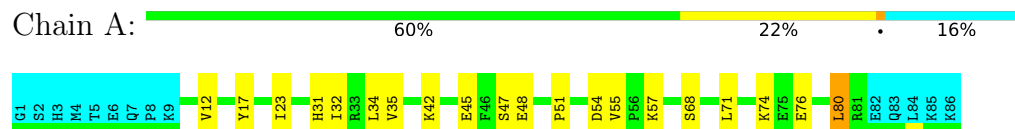


- Molecule 1: Cell division protein ZapA

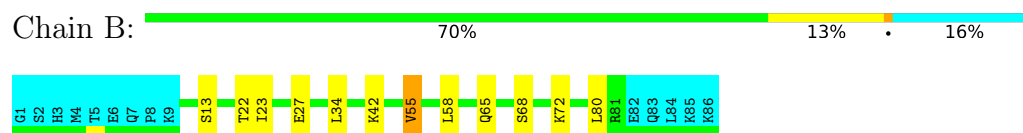


4.2.6 Score per residue for model 6

- Molecule 1: Cell division protein ZapA

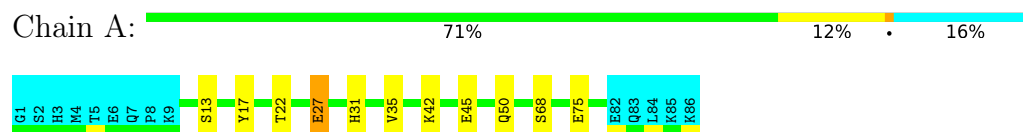


- Molecule 1: Cell division protein ZapA

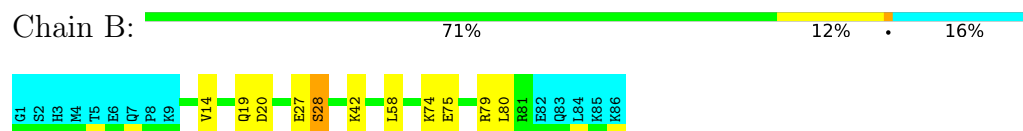


4.2.7 Score per residue for model 7

- Molecule 1: Cell division protein ZapA

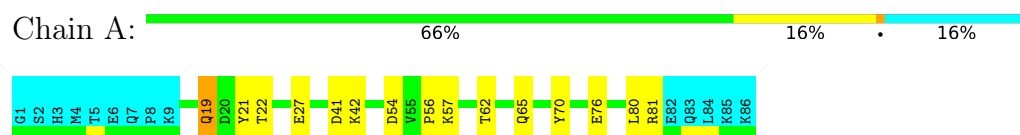


- Molecule 1: Cell division protein ZapA

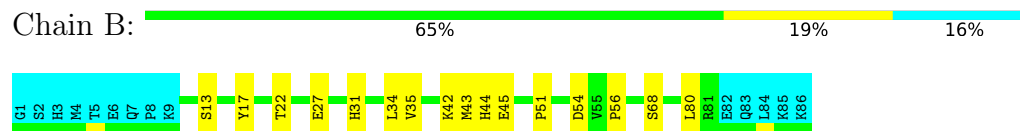


4.2.8 Score per residue for model 8

- Molecule 1: Cell division protein ZapA

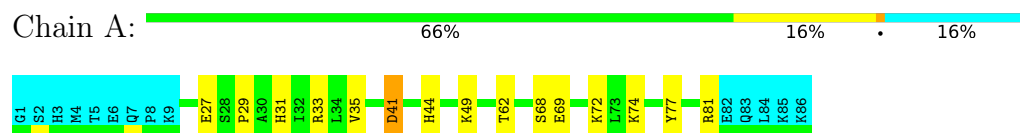


- Molecule 1: Cell division protein ZapA

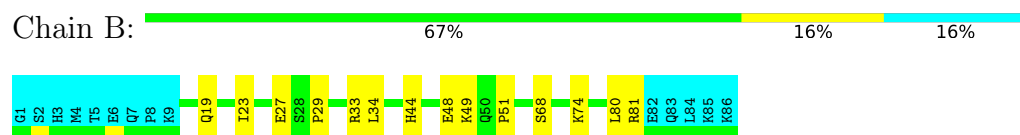


4.2.9 Score per residue for model 9

- Molecule 1: Cell division protein ZapA

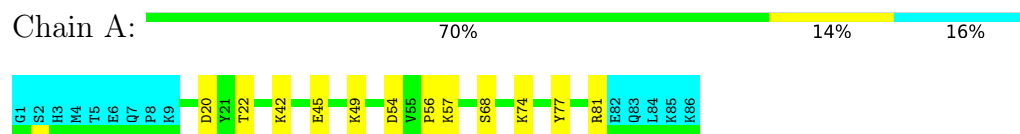


- Molecule 1: Cell division protein ZapA

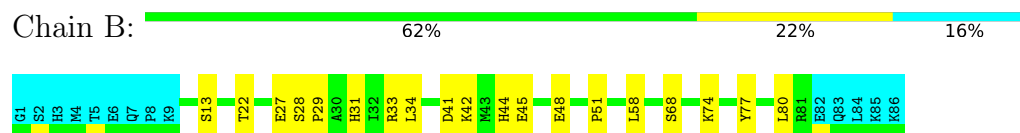


4.2.10 Score per residue for model 10

- Molecule 1: Cell division protein ZapA

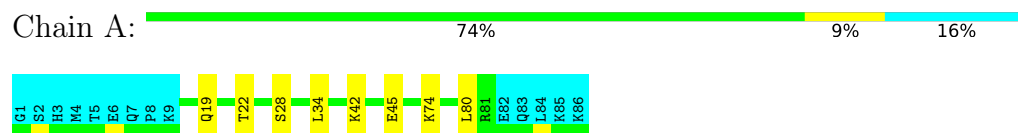


- Molecule 1: Cell division protein ZapA

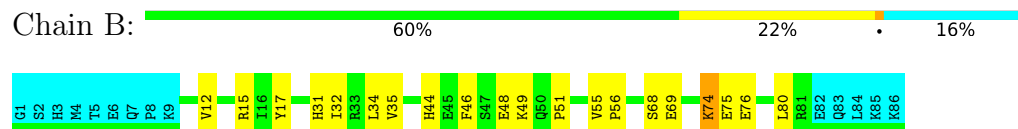


4.2.11 Score per residue for model 11 (medoid)

- Molecule 1: Cell division protein ZapA

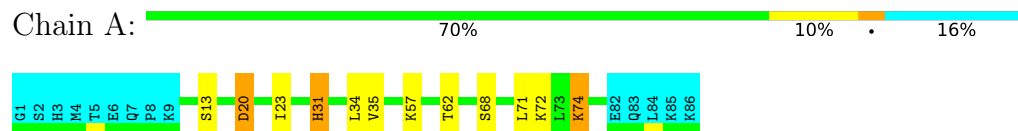


- Molecule 1: Cell division protein ZapA

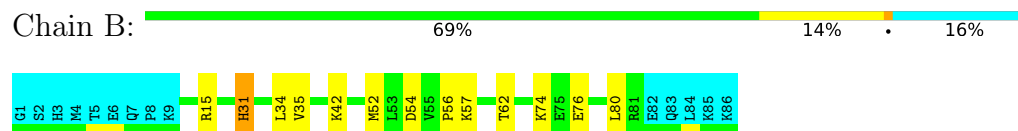


4.2.12 Score per residue for model 12

- Molecule 1: Cell division protein ZapA

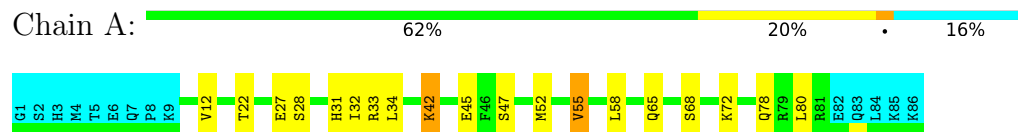


- Molecule 1: Cell division protein ZapA

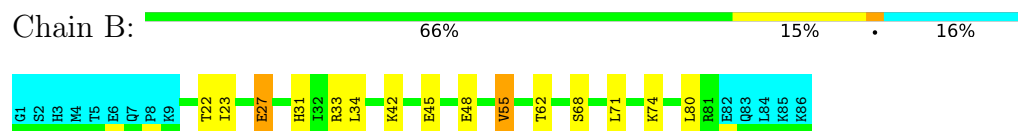


4.2.13 Score per residue for model 13

- Molecule 1: Cell division protein ZapA



- Molecule 1: Cell division protein ZapA



4.2.14 Score per residue for model 14

- Molecule 1: Cell division protein ZapA

Chain A:  72% 12% 16%



- Molecule 1: Cell division protein ZapA

Chain B:  69% 15% 16%



4.2.15 Score per residue for model 15

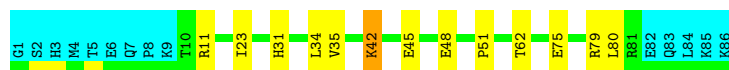
- Molecule 1: Cell division protein ZapA

Chain A:  69% 13% 16%



- Molecule 1: Cell division protein ZapA

Chain B:  69% 14% 16%



4.2.16 Score per residue for model 16

- Molecule 1: Cell division protein ZapA

Chain A:  65% 19% 16%



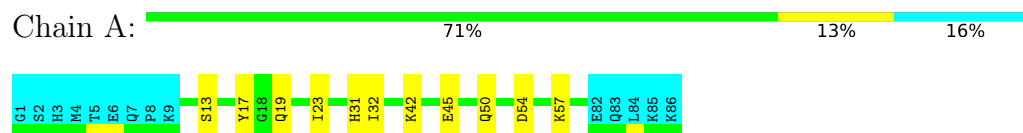
- Molecule 1: Cell division protein ZapA

Chain B:  69% 15% 16%

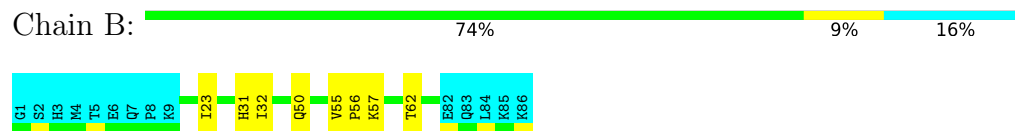


4.2.17 Score per residue for model 17

- Molecule 1: Cell division protein ZapA

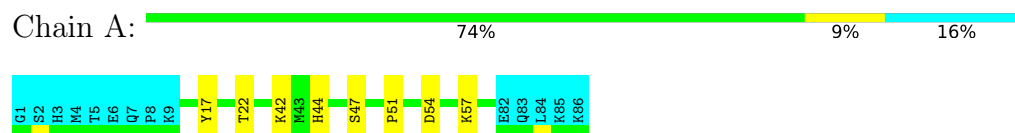


- Molecule 1: Cell division protein ZapA

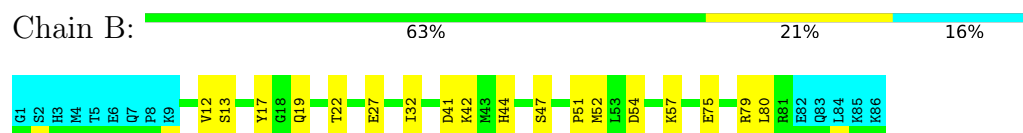


4.2.18 Score per residue for model 18

- Molecule 1: Cell division protein ZapA

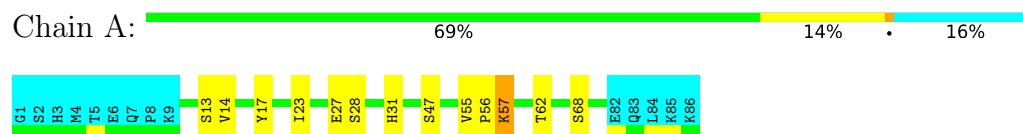


- Molecule 1: Cell division protein ZapA

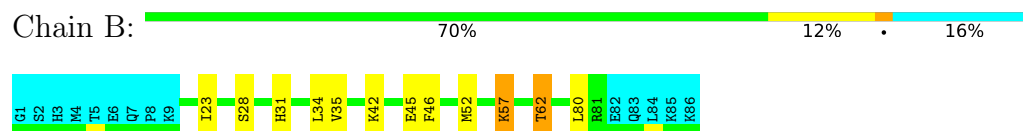


4.2.19 Score per residue for model 19

- Molecule 1: Cell division protein ZapA

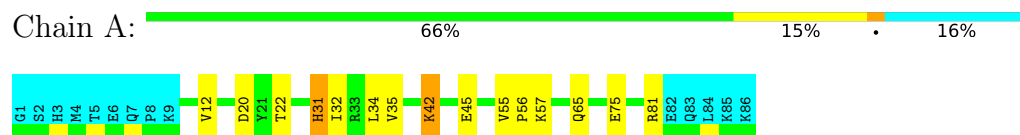


- Molecule 1: Cell division protein ZapA

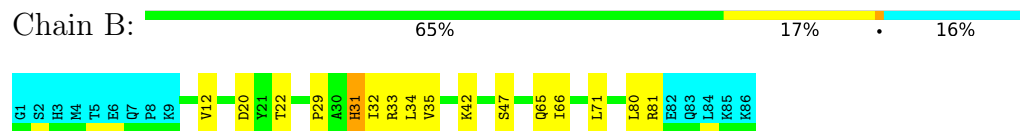


4.2.20 Score per residue for model 20

- Molecule 1: Cell division protein ZapA



- Molecule 1: Cell division protein ZapA



5 Refinement protocol and experimental data overview

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

Of the ? calculated structures, 20 were deposited, based on the following criterion: *structures with the least restraint violations*.

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

Software name	Classification	Version
CYANA	refinement	2.1
CYANA	structure solution	2.1

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

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	898
Number of shifts mapped to atoms	898
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	39%

6 Model quality [i](#)

6.1 Standard geometry [i](#)

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

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts [i](#)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	581	598	596	3±2
1	B	581	598	596	3±1
All	All	23240	23920	23840	119

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 3.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:12:VAL:HG11	1:A:32:ILE:HD12	0.59	1.74	20	4
1:B:41:ASP:HA	1:B:44:HIS:ND1	0.57	2.15	14	1
1:B:12:VAL:HG11	1:B:32:ILE:HD12	0.57	1.76	20	3
1:A:31:HIS:O	1:A:35:VAL:HG23	0.56	2.01	12	6
1:A:42:LYS:O	1:A:45:GLU:HG2	0.56	2.01	7	8
1:B:31:HIS:O	1:B:34:LEU:HG	0.55	2.01	12	6
1:B:51:PRO:HG2	1:B:52:MET:SD	0.55	2.41	5	1
1:A:69:GLU:HA	1:A:72:LYS:NZ	0.54	2.18	9	1
1:A:54:ASP:OD2	1:A:57:LYS:HG2	0.52	2.04	8	2
1:A:31:HIS:O	1:A:34:LEU:HG	0.52	2.05	1	7
1:A:54:ASP:CG	1:A:56:PRO:HD2	0.51	2.31	3	2
1:B:42:LYS:O	1:B:45:GLU:HG2	0.50	2.06	15	6
1:B:52:MET:SD	1:B:57:LYS:HG2	0.50	2.46	19	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:81:ARG:HA	1:B:81:ARG:NE	0.49	2.22	14	1
1:B:54:ASP:OD1	1:B:57:LYS:HB2	0.49	2.07	18	1
1:B:57:LYS:N	1:B:57:LYS:HD3	0.48	2.23	5	1
1:B:52:MET:HB2	1:B:54:ASP:OD1	0.48	2.08	18	1
1:B:55:VAL:HB	1:B:56:PRO:CD	0.48	2.38	17	1
1:B:54:ASP:CG	1:B:56:PRO:HD2	0.47	2.33	8	3
1:A:16:ILE:HB	1:A:21:TYR:CE2	0.47	2.44	16	1
1:B:75:GLU:O	1:B:79:ARG:HG2	0.47	2.10	4	4
1:B:31:HIS:O	1:B:35:VAL:HG23	0.47	2.10	12	7
1:A:71:LEU:O	1:A:74:LYS:HG2	0.46	2.10	6	1
1:A:77:TYR:O	1:A:81:ARG:HG3	0.46	2.10	10	1
1:A:72:LYS:HA	1:A:75:GLU:OE2	0.46	2.11	4	1
1:A:54:ASP:OD2	1:A:56:PRO:HG2	0.46	2.11	8	3
1:B:29:PRO:O	1:B:33:ARG:HD3	0.46	2.10	9	1
1:A:20:ASP:O	1:B:52:MET:HE3	0.46	2.10	12	1
1:A:76:GLU:O	1:A:80:LEU:HD12	0.45	2.10	6	1
1:B:29:PRO:O	1:B:33:ARG:HG2	0.45	2.11	1	2
1:B:80:LEU:HG	1:B:81:ARG:N	0.45	2.26	5	1
1:A:54:ASP:HB3	1:A:57:LYS:CG	0.45	2.42	17	1
1:A:42:LYS:HA	1:A:45:GLU:OE1	0.45	2.13	20	1
1:A:45:GLU:O	1:A:48:GLU:HG3	0.44	2.12	2	1
1:B:27:GLU:HG3	1:B:28:SER:N	0.44	2.27	7	1
1:B:27:GLU:OE1	1:B:31:HIS:HB2	0.43	2.13	2	1
1:A:54:ASP:O	1:A:58:LEU:HB2	0.43	2.13	15	1
1:A:71:LEU:O	1:A:74:LYS:HG3	0.43	2.13	12	1
1:B:71:LEU:O	1:B:74:LYS:HG3	0.43	2.13	13	1
1:A:77:TYR:CE1	1:A:81:ARG:HG3	0.43	2.49	9	1
1:A:27:GLU:HG3	1:A:28:SER:N	0.43	2.27	19	1
1:B:55:VAL:N	1:B:56:PRO:HD2	0.42	2.29	11	1
1:B:55:VAL:HB	1:B:56:PRO:HD3	0.42	1.90	16	2
1:B:62:THR:HA	1:B:65:GLN:OE1	0.42	2.15	3	1
1:A:54:ASP:HB2	1:A:57:LYS:CG	0.42	2.44	6	1
1:A:55:VAL:N	1:A:56:PRO:HD2	0.42	2.29	20	1
1:A:29:PRO:O	1:A:33:ARG:HG2	0.42	2.14	4	1
1:B:29:PRO:O	1:B:33:ARG:HB2	0.42	2.15	20	1
1:A:29:PRO:O	1:A:33:ARG:HD3	0.41	2.15	9	2
1:A:57:LYS:N	1:A:57:LYS:HD3	0.41	2.30	15	1
1:A:55:VAL:HB	1:A:56:PRO:HD3	0.41	1.91	3	3
1:A:27:GLU:HB3	1:A:32:ILE:HG23	0.41	1.92	5	1
1:B:81:ARG:NE	1:B:81:ARG:HA	0.41	2.30	4	1
1:A:41:ASP:HA	1:A:44:HIS:CD2	0.41	2.51	9	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:57:LYS:HD3	1:A:57:LYS:N	0.41	2.31	19	1
1:A:19:GLN:HB3	1:A:21:TYR:CZ	0.40	2.50	8	1
1:B:17:TYR:HB2	1:B:43:MET:SD	0.40	2.56	8	1
1:B:74:LYS:HD3	1:B:74:LYS:C	0.40	2.42	11	1
1:B:54:ASP:OD2	1:B:56:PRO:HG2	0.40	2.16	12	1
1:A:27:GLU:OE2	1:A:31:HIS:HB3	0.40	2.16	1	1
1:A:75:GLU:O	1:A:79:ARG:HG2	0.40	2.17	1	1
1:A:51:PRO:HG3	1:A:61:LEU:HD22	0.40	1.92	4	1
1:B:46:PHE:CE2	1:B:62:THR:HA	0.40	2.51	19	1
1:B:54:ASP:HB3	1:B:57:LYS:CG	0.40	2.47	3	1
1:A:77:TYR:CD1	1:B:77:TYR:CD1	0.40	3.10	10	1
1:B:27:GLU:OE1	1:B:31:HIS:HB3	0.40	2.16	13	1

6.3 Torsion angles ⓘ

6.3.1 Protein backbone ⓘ

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	72/86 (84%)	68±1 (94±2%)	4±1 (5±2%)	1±1 (1±1%)	18	68
1	B	72/86 (84%)	67±1 (94±2%)	4±1 (5±2%)	1±1 (1±1%)	15	65
All	All	2880/3440 (84%)	2702 (94%)	152 (5%)	26 (1%)	16	66

All 6 unique Ramachandran outliers are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	B	51	PRO	10
1	A	51	PRO	6
1	A	27	GLU	3
1	B	27	GLU	3
1	A	55	VAL	2
1	B	55	VAL	2

6.3.2 Protein sidechains ⓘ

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	63/76 (83%)	55±3 (87±4%)	8±3 (13±4%)	6	47
1	B	63/76 (83%)	54±2 (86±4%)	9±2 (14±4%)	5	44
All	All	2520/3040 (83%)	2180 (87%)	340 (13%)	6	45

All 80 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	B	80	LEU	18
1	B	23	ILE	12
1	B	42	LYS	12
1	A	68	SER	10
1	A	22	THR	10
1	B	62	THR	10
1	B	74	LYS	9
1	A	74	LYS	8
1	A	80	LEU	8
1	B	22	THR	8
1	A	23	ILE	7
1	B	27	GLU	7
1	A	42	LYS	7
1	B	13	SER	7
1	A	31	HIS	6
1	A	49	LYS	6
1	A	65	GLN	6
1	B	28	SER	6
1	B	48	GLU	6
1	A	19	GLN	6
1	B	44	HIS	6
1	A	13	SER	6
1	A	28	SER	6
1	A	57	LYS	6
1	B	68	SER	6
1	A	58	LEU	5
1	B	57	LYS	5
1	A	62	THR	5

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Mol	Chain	Res	Type	Models (Total)
1	A	20	ASP	5
1	B	58	LEU	5
1	A	17	TYR	5
1	B	34	LEU	5
1	B	31	HIS	5
1	A	72	LYS	4
1	B	75	GLU	4
1	A	81	ARG	4
1	A	47	SER	4
1	A	27	GLU	4
1	A	75	GLU	4
1	B	14	VAL	3
1	B	15	ARG	3
1	B	65	GLN	3
1	A	48	GLU	3
1	B	41	ASP	3
1	B	19	GLN	3
1	B	17	TYR	3
1	B	32	ILE	3
1	B	72	LYS	2
1	A	33	ARG	2
1	A	44	HIS	2
1	B	71	LEU	2
1	B	45	GLU	2
1	B	69	GLU	2
1	B	11	ARG	2
1	B	55	VAL	2
1	A	50	GLN	2
1	B	20	ASP	2
1	A	41	ASP	2
1	A	76	GLU	2
1	B	49	LYS	2
1	B	81	ARG	2
1	A	34	LEU	2
1	B	76	GLU	2
1	A	52	MET	2
1	B	33	ARG	2
1	A	32	ILE	2
1	B	47	SER	2
1	A	73	LEU	1
1	A	71	LEU	1
1	A	79	ARG	1

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Mol	Chain	Res	Type	Models (Total)
1	A	70	TYR	1
1	B	46	PHE	1
1	A	55	VAL	1
1	A	78	GLN	1
1	B	79	ARG	1
1	A	11	ARG	1
1	A	12	VAL	1
1	B	50	GLN	1
1	A	14	VAL	1
1	B	66	ILE	1

6.3.3 RNA [i](#)

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

6.6 Ligand geometry [i](#)

There are no ligands in this entry.

6.7 Other polymers [i](#)

There are no such molecules in this entry.

6.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 39% for the well-defined parts and 37% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list_1*

7.1.1 Bookkeeping

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

Total number of shifts	898
Number of shifts mapped to atoms	898
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	2

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction $\pm$ precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	79	-0.41 ± 0.07	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	75	0.15 ± 0.10	None needed (< 0.5 ppm)
$^{13}\text{C}'$	0	—	None (insufficient data)
^{15}N	74	0.15 ± 0.37	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 39%, i.e. 806 atoms were assigned a chemical shift out of a possible 2066. 0 out of 30 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	284/712 (40%)	143/286 (50%)	72/288 (25%)	69/138 (50%)
Sidechain	489/1210 (40%)	335/790 (42%)	154/372 (41%)	0/48 (0%)

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	Total	¹H	¹³C	¹⁵N
Aromatic	33/144 (23%)	22/68 (32%)	11/68 (16%)	0/8 (0%)
Overall	806/2066 (39%)	500/1144 (44%)	237/728 (33%)	69/194 (36%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 37%, i.e. 898 atoms were assigned a chemical shift out of a possible 2454. 0 out of 32 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹H	¹³C	¹⁵N
Backbone	308/850 (36%)	155/342 (45%)	79/344 (23%)	74/164 (45%)
Sidechain	557/1444 (39%)	381/938 (41%)	176/448 (39%)	0/58 (0%)
Aromatic	33/160 (21%)	22/76 (29%)	11/72 (15%)	0/12 (0%)
Overall	898/2454 (37%)	558/1356 (41%)	266/864 (31%)	74/234 (32%)

7.1.4 Statistically unusual chemical shifts ⓘ

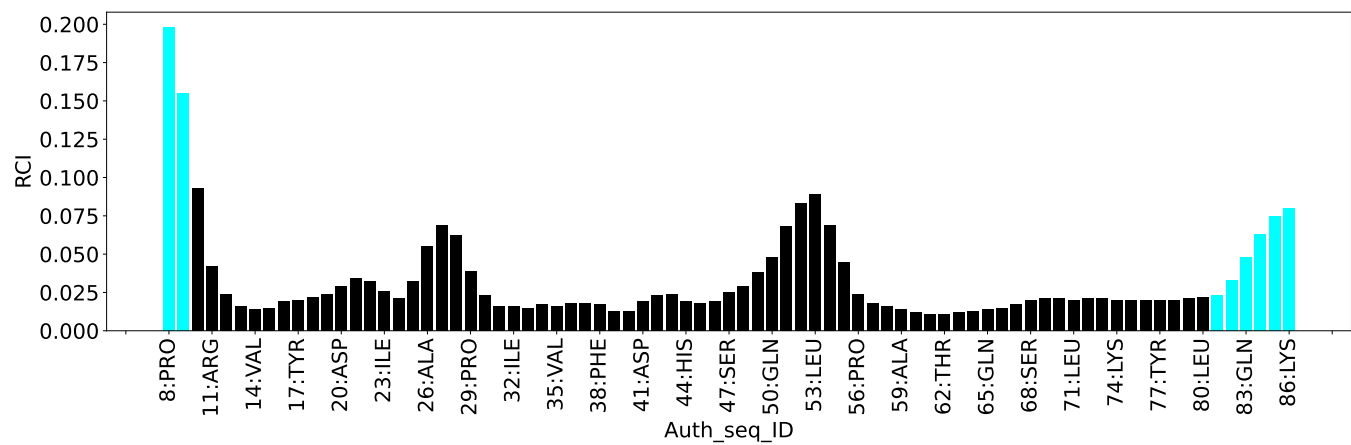
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, ppm	Expected range, ppm	Z-score
1	A	17	TYR	HD1	8.54	5.49 – 8.39	5.5
1	A	17	TYR	HD2	8.54	5.48 – 8.39	5.5

7.1.5 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:



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	1776
Intra-residue ($ i-j =0$)	498
Sequential ($ i-j =1$)	588
Medium range ($ i-j >1$ and $ i-j <5$)	340
Long range ($ i-j \geq 5$)	178
Inter-chain	172
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	0
Number of unmapped restraints	0
Number of restraints per residue	10.3
Number of long range restraints per residue ¹	1.0

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	43.7	0.2
0.2-0.5 (Medium)	76.4	0.5
>0.5 (Large)	37.5	3.78

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

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

9 Distance violation analysis ⓘ

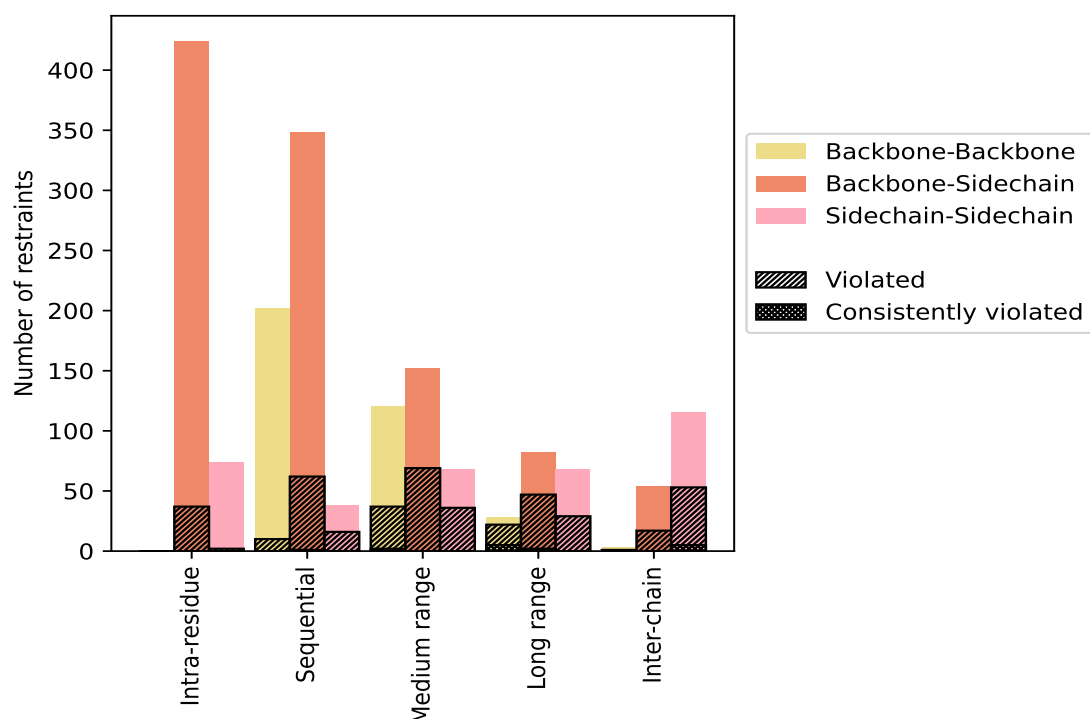
9.1 Summary of distance violations ⓘ

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

Restrains type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
Intra-residue (i-j =0)	498	28.0	39	7.8	2.2	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	424	23.9	37	8.7	2.1	0	0.0	0.0
Sidechain-Sidechain	74	4.2	2	2.7	0.1	0	0.0	0.0
Sequential (i-j =1)	588	33.1	88	15.0	5.0	1	0.2	0.1
Backbone-Backbone	202	11.4	10	5.0	0.6	0	0.0	0.0
Backbone-Sidechain	348	19.6	62	17.8	3.5	1	0.3	0.1
Sidechain-Sidechain	38	2.1	16	42.1	0.9	0	0.0	0.0
Medium range (i-j >1 & i-j <5)	340	19.1	142	41.8	8.0	2	0.6	0.1
Backbone-Backbone	120	6.8	37	30.8	2.1	2	1.7	0.1
Backbone-Sidechain	152	8.6	69	45.4	3.9	0	0.0	0.0
Sidechain-Sidechain	68	3.8	36	52.9	2.0	0	0.0	0.0
Long range (i-j ≥5)	178	10.0	98	55.1	5.5	7	3.9	0.4
Backbone-Backbone	28	1.6	22	78.6	1.2	5	17.9	0.3
Backbone-Sidechain	82	4.6	47	57.3	2.6	2	2.4	0.1
Sidechain-Sidechain	68	3.8	29	42.6	1.6	0	0.0	0.0
Inter-chain	172	9.7	71	41.3	4.0	5	2.9	0.3
Backbone-Backbone	3	0.2	1	33.3	0.1	0	0.0	0.0
Backbone-Sidechain	54	3.0	17	31.5	1.0	0	0.0	0.0
Sidechain-Sidechain	115	6.5	53	46.1	3.0	5	4.3	0.3
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	1776	100.0	438	24.7	24.7	15	0.8	0.8
Backbone-Backbone	353	19.9	70	19.8	3.9	7	2.0	0.4
Backbone-Sidechain	1060	59.7	232	21.9	13.1	3	0.3	0.2
Sidechain-Sidechain	363	20.4	136	37.5	7.7	5	1.4	0.3

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 [i](#)



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

9.2 Distance violation statistics for each model [i](#)

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
1	9	34	43	41	30	157	0.39	2.38	0.31	0.36
2	15	26	48	40	31	160	0.39	2.33	0.34	0.33
3	12	19	32	48	32	143	0.41	2.42	0.35	0.36
4	14	24	42	50	32	162	0.39	2.35	0.36	0.31
5	12	29	39	50	29	159	0.38	2.23	0.28	0.33
6	10	21	43	51	29	154	0.38	2.22	0.34	0.31
7	5	33	43	41	30	152	0.39	3.78	0.38	0.33
8	16	26	33	42	29	146	0.38	2.43	0.28	0.34
9	15	36	41	40	30	162	0.36	2.18	0.26	0.3
10	18	42	42	44	31	177	0.37	2.11	0.3	0.32

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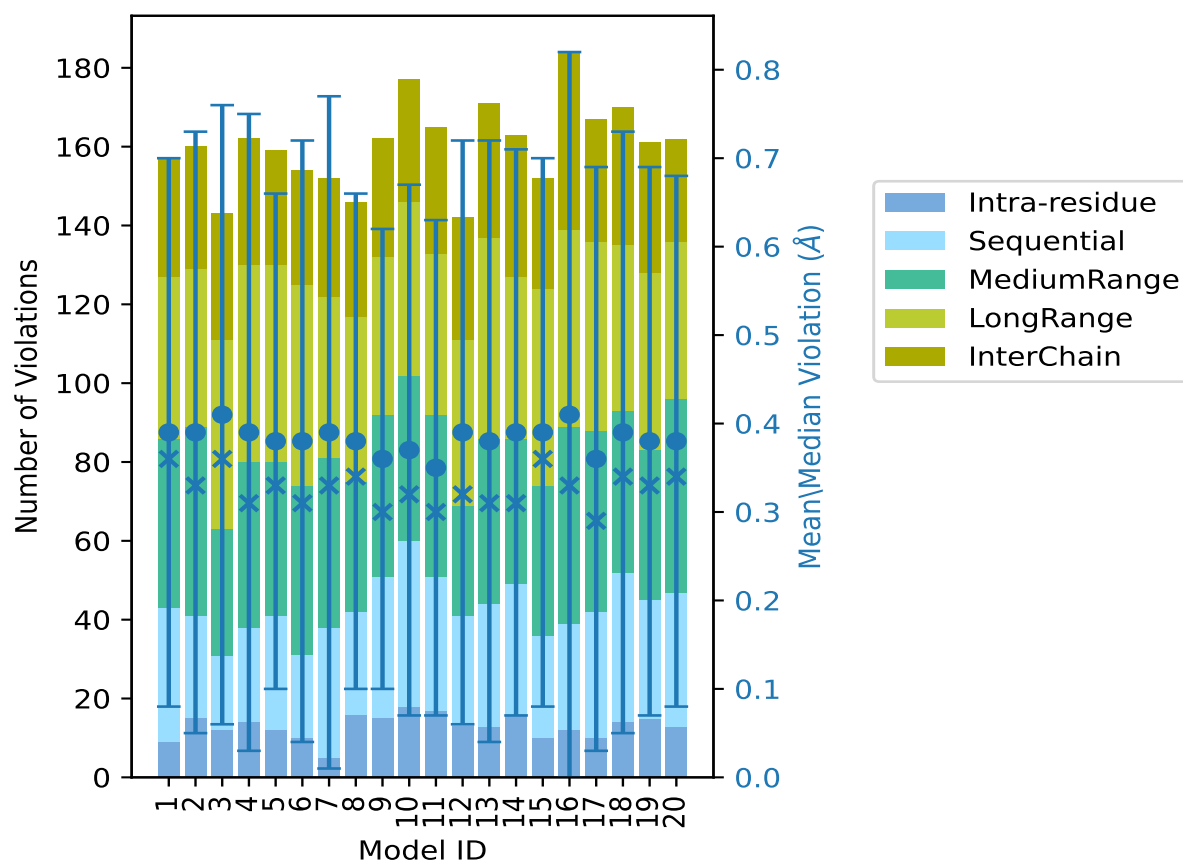
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Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
11	17	34	41	41	32	165	0.35	2.38	0.28	0.3
12	13	28	28	42	31	142	0.39	2.39	0.33	0.32
13	13	31	42	51	34	171	0.38	2.66	0.34	0.31
14	16	33	37	41	36	163	0.39	2.05	0.32	0.31
15	10	26	38	50	28	152	0.39	2.89	0.31	0.36
16	12	27	50	50	45	184	0.41	3.42	0.41	0.33
17	10	32	46	48	31	167	0.36	2.45	0.33	0.29
18	14	38	41	42	35	170	0.39	2.35	0.34	0.34
19	15	30	38	45	33	161	0.38	2.4	0.31	0.33
20	13	34	49	40	26	162	0.38	2.49	0.3	0.34

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

⁵Inter-chain restraints, ⁶Standard deviation

9.2.1 Bar graph : Distance Violation statistics for each model ⓘ



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

9.3 Distance violation statistics for the ensemble

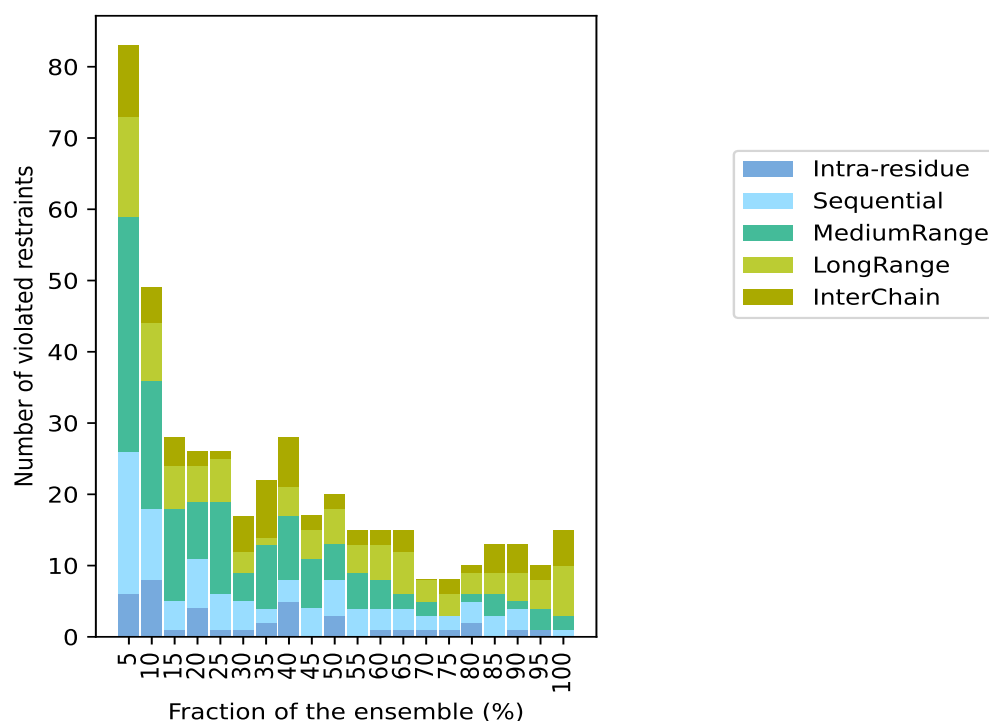
Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 1338(IR:459, SQ:500, MR:198, LR:80, IC:101) restraints are 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	%
6	20	33	14	10	83	1	5.0
8	10	18	8	5	49	2	10.0
1	4	13	6	4	28	3	15.0
4	7	8	5	2	26	4	20.0
1	5	13	6	1	26	5	25.0
1	4	4	3	5	17	6	30.0
2	2	9	1	8	22	7	35.0
5	3	9	4	7	28	8	40.0
0	4	7	4	2	17	9	45.0
3	5	5	5	2	20	10	50.0
0	4	5	4	2	15	11	55.0
1	3	4	5	2	15	12	60.0
1	3	2	6	3	15	13	65.0
1	2	2	3	0	8	14	70.0
1	2	0	3	2	8	15	75.0
2	3	1	3	1	10	16	80.0
0	3	3	3	4	13	17	85.0
1	3	1	4	4	13	18	90.0
1	0	3	4	2	10	19	95.0
0	1	2	7	5	15	20	100.0

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

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

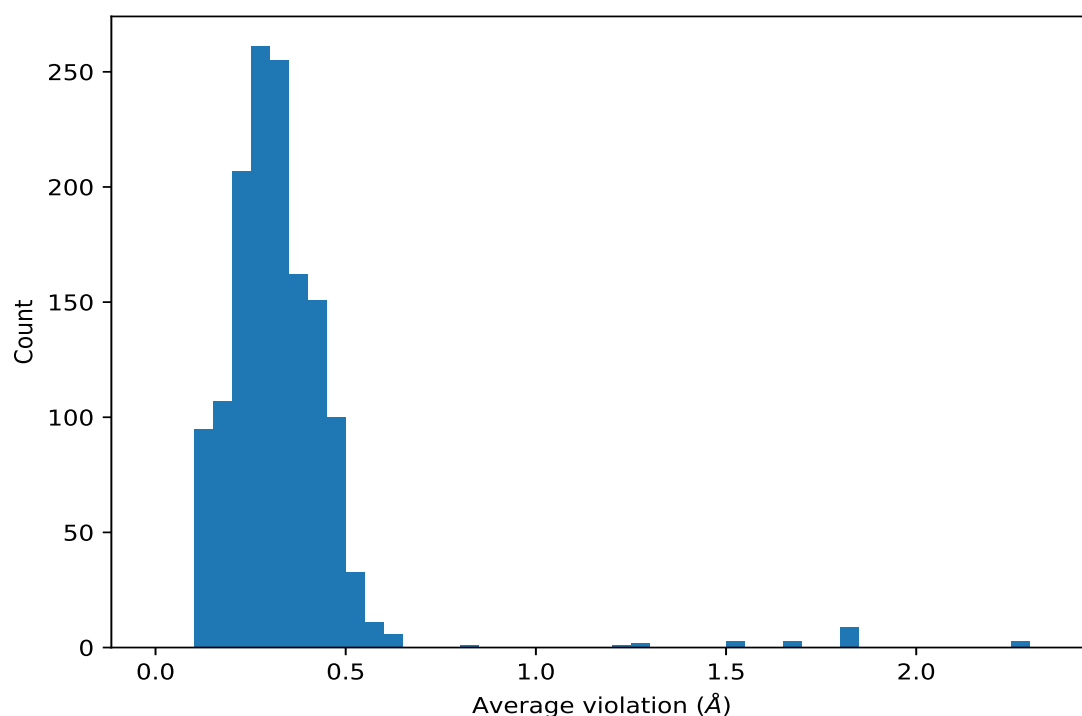
9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



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

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

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



9.4.2 Table: Most violated distance restraints [i](#)

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

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD21	20	2.26	0.6	2.18
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD22	20	2.26	0.6	2.18
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD23	20	2.26	0.6	2.18
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD11	20	1.81	0.5	1.79
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD12	20	1.81	0.5	1.79
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD13	20	1.81	0.5	1.79
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD11	20	1.81	0.5	1.79
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD12	20	1.81	0.5	1.79
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD13	20	1.81	0.5	1.79
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD11	20	1.81	0.5	1.79
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD12	20	1.81	0.5	1.79
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD13	20	1.81	0.5	1.79
(1,914)	1:80:A:LEU:HD21	1:81:B:ARG:HB2	20	1.53	0.41	1.42
(1,914)	1:80:A:LEU:HD22	1:81:B:ARG:HB2	20	1.53	0.41	1.42
(1,914)	1:80:A:LEU:HD23	1:81:B:ARG:HB2	20	1.53	0.41	1.42
(1,156)	1:19:A:GLN:HB2	1:52:B:MET:HG3	20	1.21	0.6	1.21

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,62)	1:12:A:VAL:HG11	1:32:A:ILE:H	20	0.49	0.08	0.52
(1,62)	1:12:A:VAL:HG12	1:32:A:ILE:H	20	0.49	0.08	0.52
(1,62)	1:12:A:VAL:HG13	1:32:A:ILE:H	20	0.49	0.08	0.52
(1,62)	1:12:A:VAL:HG21	1:32:A:ILE:H	20	0.49	0.08	0.52
(1,62)	1:12:A:VAL:HG22	1:32:A:ILE:H	20	0.49	0.08	0.52
(1,62)	1:12:A:VAL:HG23	1:32:A:ILE:H	20	0.49	0.08	0.52
(1,973)	1:84:A:LEU:HD11	1:85:A:LYS:H	20	0.49	0.09	0.49
(1,973)	1:84:A:LEU:HD12	1:85:A:LYS:H	20	0.49	0.09	0.49
(1,973)	1:84:A:LEU:HD13	1:85:A:LYS:H	20	0.49	0.09	0.49
(1,973)	1:84:A:LEU:HD21	1:85:A:LYS:H	20	0.49	0.09	0.49
(1,973)	1:84:A:LEU:HD22	1:85:A:LYS:H	20	0.49	0.09	0.49
(1,973)	1:84:A:LEU:HD23	1:85:A:LYS:H	20	0.49	0.09	0.49
(1,1215)	1:32:B:ILE:HA	1:36:B:ALA:H	20	0.49	0.13	0.51
(1,1043)	1:12:B:VAL:HG11	1:32:B:ILE:H	20	0.47	0.09	0.49
(1,1043)	1:12:B:VAL:HG12	1:32:B:ILE:H	20	0.47	0.09	0.49
(1,1043)	1:12:B:VAL:HG13	1:32:B:ILE:H	20	0.47	0.09	0.49
(1,1043)	1:12:B:VAL:HG21	1:32:B:ILE:H	20	0.47	0.09	0.49
(1,1043)	1:12:B:VAL:HG22	1:32:B:ILE:H	20	0.47	0.09	0.49
(1,1043)	1:12:B:VAL:HG23	1:32:B:ILE:H	20	0.47	0.09	0.49
(1,258)	1:32:A:ILE:HA	1:36:A:ALA:H	20	0.47	0.13	0.52
(1,113)	1:16:A:ILE:H	1:21:A:TYR:H	20	0.47	0.09	0.51
(1,1034)	1:12:B:VAL:H	1:25:B:GLY:H	20	0.44	0.13	0.51
(1,52)	1:12:A:VAL:H	1:24:A:VAL:HA	20	0.43	0.11	0.46
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	20	0.41	0.15	0.44
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	20	0.41	0.15	0.44
(1,1033)	1:12:B:VAL:H	1:24:B:VAL:HA	20	0.38	0.13	0.38
(1,40)	1:11:A:ARG:HA	1:24:A:VAL:HA	20	0.31	0.08	0.32
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD11	19	0.51	0.09	0.53
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD12	19	0.51	0.09	0.53
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD13	19	0.51	0.09	0.53
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD21	19	0.51	0.09	0.53
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD22	19	0.51	0.09	0.53
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD23	19	0.51	0.09	0.53
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD11	19	0.48	0.11	0.52
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD12	19	0.48	0.11	0.52
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD13	19	0.48	0.11	0.52
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD21	19	0.48	0.11	0.52
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD22	19	0.48	0.11	0.52
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD23	19	0.48	0.11	0.52
(1,941)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	19	0.47	0.05	0.47
(1,941)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	19	0.47	0.05	0.47
(1,941)	1:81:A:ARG:HG3	1:77:B:TYR:HE1	19	0.47	0.05	0.47

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,941)	1:81:A:ARG:HG3	1:77:B:TYR:HE2	19	0.47	0.05	0.47
(1,938)	1:81:A:ARG:HG3	1:77:B:TYR:HE1	19	0.47	0.11	0.52
(1,938)	1:81:A:ARG:HG3	1:77:B:TYR:HE2	19	0.47	0.11	0.52
(1,53)	1:12:A:VAL:H	1:25:A:GLY:H	19	0.43	0.11	0.47
(1,1362)	1:47:B:SER:H	1:58:B:LEU:HG	19	0.43	0.14	0.5
(1,35)	1:11:A:ARG:H	1:24:A:VAL:HA	19	0.35	0.09	0.36
(1,1673)	1:77:B:TYR:HA	1:80:B:LEU:H	19	0.32	0.14	0.31
(1,94)	1:15:A:ARG:HA	1:21:A:TYR:H	19	0.28	0.11	0.27
(1,188)	1:23:A:ILE:H	1:23:A:ILE:HB	19	0.18	0.06	0.17
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG11	18	1.68	0.38	1.67
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG12	18	1.68	0.38	1.67
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG13	18	1.68	0.38	1.67
(1,661)	1:65:A:GLN:HG3	1:24:B:VAL:HB	18	1.28	0.57	1.08
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD11	18	0.52	0.11	0.57
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD12	18	0.52	0.11	0.57
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD13	18	0.52	0.11	0.57
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD11	18	0.52	0.11	0.57
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD12	18	0.52	0.11	0.57
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD13	18	0.52	0.11	0.57
(1,873)	1:77:A:TYR:HE1	1:76:B:GLU:HG2	18	0.51	0.11	0.54
(1,873)	1:77:A:TYR:HE1	1:76:B:GLU:HG3	18	0.51	0.11	0.54
(1,873)	1:77:A:TYR:HE2	1:76:B:GLU:HG2	18	0.51	0.11	0.54
(1,873)	1:77:A:TYR:HE2	1:76:B:GLU:HG3	18	0.51	0.11	0.54
(1,1769)	1:84:B:LEU:HD11	1:85:B:LYS:H	18	0.47	0.1	0.5
(1,1769)	1:84:B:LEU:HD12	1:85:B:LYS:H	18	0.47	0.1	0.5
(1,1769)	1:84:B:LEU:HD13	1:85:B:LYS:H	18	0.47	0.1	0.5
(1,1769)	1:84:B:LEU:HD21	1:85:B:LYS:H	18	0.47	0.1	0.5
(1,1769)	1:84:B:LEU:HD22	1:85:B:LYS:H	18	0.47	0.1	0.5
(1,1769)	1:84:B:LEU:HD23	1:85:B:LYS:H	18	0.47	0.1	0.5
(1,433)	1:46:A:PHE:HD1	1:62:A:THR:HB	18	0.46	0.16	0.55
(1,433)	1:46:A:PHE:HD2	1:62:A:THR:HB	18	0.46	0.16	0.55
(1,224)	1:27:A:GLU:HB2	1:72:B:LYS:H	18	0.45	0.14	0.52
(1,224)	1:27:A:GLU:HB3	1:72:B:LYS:H	18	0.45	0.14	0.52
(1,1094)	1:16:B:ILE:H	1:21:B:TYR:H	18	0.42	0.09	0.45
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB1	18	0.4	0.11	0.4
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB2	18	0.4	0.11	0.4
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB3	18	0.4	0.11	0.4
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB1	18	0.4	0.11	0.4
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB2	18	0.4	0.11	0.4
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB3	18	0.4	0.11	0.4
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB1	18	0.4	0.11	0.4
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB2	18	0.4	0.11	0.4

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB3	18	0.4	0.11	0.4
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB1	18	0.4	0.11	0.4
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB2	18	0.4	0.11	0.4
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB3	18	0.4	0.11	0.4
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB1	18	0.4	0.11	0.4
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB2	18	0.4	0.11	0.4
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB3	18	0.4	0.11	0.4
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB1	18	0.4	0.11	0.4
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB2	18	0.4	0.11	0.4
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB3	18	0.4	0.11	0.4
(1,1016)	1:11:B:ARG:H	1:24:B:VAL:HA	18	0.33	0.12	0.32
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB1	18	0.32	0.12	0.35
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB2	18	0.32	0.12	0.35
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB3	18	0.32	0.12	0.35
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB1	18	0.32	0.12	0.35
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB2	18	0.32	0.12	0.35
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB3	18	0.32	0.12	0.35
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB1	18	0.32	0.12	0.35
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB2	18	0.32	0.12	0.35
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB3	18	0.32	0.12	0.35
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB1	18	0.32	0.12	0.35
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB2	18	0.32	0.12	0.35
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB3	18	0.32	0.12	0.35
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB1	18	0.32	0.12	0.35
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB2	18	0.32	0.12	0.35
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB3	18	0.32	0.12	0.35
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB1	18	0.32	0.12	0.35
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB2	18	0.32	0.12	0.35
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB3	18	0.32	0.12	0.35
(1,1021)	1:11:B:ARG:HA	1:24:B:VAL:HA	18	0.27	0.11	0.29
(1,1155)	1:23:B:ILE:H	1:23:B:ILE:HB	18	0.23	0.06	0.24
(1,158)	1:19:A:GLN:HG3	1:52:B:MET:HG3	17	1.27	0.78	1.28
(1,1400)	1:51:B:PRO:HG2	1:52:B:MET:HG2	17	0.51	0.09	0.55
(1,1400)	1:51:B:PRO:HG2	1:52:B:MET:HG3	17	0.51	0.09	0.55
(1,1400)	1:51:B:PRO:HG3	1:52:B:MET:HG2	17	0.51	0.09	0.55
(1,1400)	1:51:B:PRO:HG3	1:52:B:MET:HG3	17	0.51	0.09	0.55
(1,1358)	1:46:B:PHE:HD1	1:62:B:THR:HB	17	0.49	0.12	0.53
(1,1358)	1:46:B:PHE:HD2	1:62:B:THR:HB	17	0.49	0.12	0.53
(1,475)	1:51:A:PRO:HG2	1:52:A:MET:HG2	17	0.46	0.11	0.52
(1,475)	1:51:A:PRO:HG2	1:52:A:MET:HG3	17	0.46	0.11	0.52
(1,475)	1:51:A:PRO:HG3	1:52:A:MET:HG2	17	0.46	0.11	0.52
(1,475)	1:51:A:PRO:HG3	1:52:A:MET:HG3	17	0.46	0.11	0.52

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,437)	1:47:A:SER:H	1:58:A:LEU:HG	17	0.42	0.16	0.51
(1,1201)	1:31:B:HIS:HA	1:34:B:LEU:HB2	17	0.42	0.12	0.42
(1,1201)	1:31:B:HIS:HA	1:34:B:LEU:HB3	17	0.42	0.12	0.42
(1,974)	1:84:A:LEU:HD11	1:85:A:LYS:HA	17	0.41	0.12	0.42
(1,974)	1:84:A:LEU:HD12	1:85:A:LYS:HA	17	0.41	0.12	0.42
(1,974)	1:84:A:LEU:HD13	1:85:A:LYS:HA	17	0.41	0.12	0.42
(1,974)	1:84:A:LEU:HD21	1:85:A:LYS:HA	17	0.41	0.12	0.42
(1,974)	1:84:A:LEU:HD22	1:85:A:LYS:HA	17	0.41	0.12	0.42
(1,974)	1:84:A:LEU:HD23	1:85:A:LYS:HA	17	0.41	0.12	0.42
(1,675)	1:66:A:ILE:HG21	1:63:B:ALA:HA	17	0.39	0.15	0.44
(1,675)	1:66:A:ILE:HG22	1:63:B:ALA:HA	17	0.39	0.15	0.44
(1,675)	1:66:A:ILE:HG23	1:63:B:ALA:HA	17	0.39	0.15	0.44
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD11	17	0.37	0.14	0.41
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD12	17	0.37	0.14	0.41
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD13	17	0.37	0.14	0.41
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG21	17	0.34	0.11	0.32
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG22	17	0.34	0.11	0.32
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG23	17	0.34	0.11	0.32
(1,504)	1:56:A:PRO:HG2	1:56:B:PRO:HA	17	0.31	0.13	0.3
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD11	17	0.3	0.12	0.3
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD12	17	0.3	0.12	0.3
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD13	17	0.3	0.12	0.3
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB1	17	0.18	0.06	0.17
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB2	17	0.18	0.06	0.17
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB3	17	0.18	0.06	0.17
(1,1311)	1:42:B:LYS:HD2	1:66:B:ILE:H	16	0.47	0.13	0.51
(1,1311)	1:42:B:LYS:HD3	1:66:B:ILE:H	16	0.47	0.13	0.51
(1,765)	1:72:A:LYS:H	1:27:B:GLU:HB2	16	0.44	0.13	0.48
(1,765)	1:72:A:LYS:H	1:27:B:GLU:HB3	16	0.44	0.13	0.48
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD11	16	0.44	0.15	0.52
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD12	16	0.44	0.15	0.52
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD13	16	0.44	0.15	0.52
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD21	16	0.44	0.15	0.52
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD22	16	0.44	0.15	0.52
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD23	16	0.44	0.15	0.52
(1,244)	1:31:A:HIS:HA	1:34:A:LEU:HB2	16	0.4	0.11	0.42
(1,244)	1:31:A:HIS:HA	1:34:A:LEU:HB3	16	0.4	0.11	0.42
(1,1770)	1:84:B:LEU:HD11	1:85:B:LYS:HA	16	0.4	0.14	0.45
(1,1770)	1:84:B:LEU:HD12	1:85:B:LYS:HA	16	0.4	0.14	0.45
(1,1770)	1:84:B:LEU:HD13	1:85:B:LYS:HA	16	0.4	0.14	0.45
(1,1770)	1:84:B:LEU:HD21	1:85:B:LYS:HA	16	0.4	0.14	0.45
(1,1770)	1:84:B:LEU:HD22	1:85:B:LYS:HA	16	0.4	0.14	0.45

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1770)	1:84:B:LEU:HD23	1:85:B:LYS:HA	16	0.4	0.14	0.45
(1,57)	1:12:A:VAL:HB	1:25:A:GLY:H	16	0.33	0.13	0.3
(1,164)	1:20:A:ASP:H	1:21:A:TYR:HE1	16	0.2	0.07	0.19
(1,164)	1:20:A:ASP:H	1:21:A:TYR:HE2	16	0.2	0.07	0.19
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD11	16	0.17	0.01	0.17
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD12	16	0.17	0.01	0.17
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD13	16	0.17	0.01	0.17
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD21	16	0.17	0.01	0.17
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD22	16	0.17	0.01	0.17
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD23	16	0.17	0.01	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD11	16	0.17	0.02	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD12	16	0.17	0.02	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD13	16	0.17	0.02	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD21	16	0.17	0.02	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD22	16	0.17	0.02	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD23	16	0.17	0.02	0.17
(1,1181)	1:27:B:GLU:HA	1:28:B:SER:H	16	0.17	0.01	0.17
(1,1178)	1:27:B:GLU:H	1:27:B:GLU:HG2	15	0.48	0.1	0.51
(1,1178)	1:27:B:GLU:H	1:27:B:GLU:HG3	15	0.48	0.1	0.51
(1,386)	1:42:A:LYS:HD2	1:66:A:ILE:H	15	0.47	0.13	0.53
(1,386)	1:42:A:LYS:HD3	1:66:A:ILE:H	15	0.47	0.13	0.53
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD11	15	0.45	0.1	0.48
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD12	15	0.45	0.1	0.48
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD13	15	0.45	0.1	0.48
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD21	15	0.45	0.1	0.48
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD22	15	0.45	0.1	0.48
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD23	15	0.45	0.1	0.48
(1,857)	1:76:A:GLU:HG2	1:77:B:TYR:HE1	15	0.43	0.12	0.49
(1,857)	1:76:A:GLU:HG2	1:77:B:TYR:HE2	15	0.43	0.12	0.49
(1,857)	1:76:A:GLU:HG3	1:77:B:TYR:HE1	15	0.43	0.12	0.49
(1,857)	1:76:A:GLU:HG3	1:77:B:TYR:HE2	15	0.43	0.12	0.49
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB1	15	0.33	0.12	0.34
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB2	15	0.33	0.12	0.34
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB3	15	0.33	0.12	0.34
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB1	15	0.33	0.12	0.34
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB2	15	0.33	0.12	0.34
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB3	15	0.33	0.12	0.34
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB1	15	0.33	0.12	0.34
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB2	15	0.33	0.12	0.34
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB3	15	0.33	0.12	0.34
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG11	15	0.32	0.12	0.32
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG12	15	0.32	0.12	0.32

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG13	15	0.32	0.12	0.32
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG21	15	0.32	0.12	0.32
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG22	15	0.32	0.12	0.32
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG23	15	0.32	0.12	0.32
(1,1075)	1:15:B:ARG:HA	1:21:B:TYR:H	15	0.3	0.12	0.28
(1,1627)	1:74:B:LYS:HA	1:75:B:GLU:HA	15	0.15	0.03	0.15
(1,795)	1:73:A:LEU:HD21	1:74:A:LYS:HA	14	0.34	0.12	0.32
(1,795)	1:73:A:LEU:HD22	1:74:A:LYS:HA	14	0.34	0.12	0.32
(1,795)	1:73:A:LEU:HD23	1:74:A:LYS:HA	14	0.34	0.12	0.32
(1,1066)	1:14:B:VAL:HG11	1:33:B:ARG:H	14	0.31	0.13	0.32
(1,1066)	1:14:B:VAL:HG12	1:33:B:ARG:H	14	0.31	0.13	0.32
(1,1066)	1:14:B:VAL:HG13	1:33:B:ARG:H	14	0.31	0.13	0.32
(1,1066)	1:14:B:VAL:HG21	1:33:B:ARG:H	14	0.31	0.13	0.32
(1,1066)	1:14:B:VAL:HG22	1:33:B:ARG:H	14	0.31	0.13	0.32
(1,1066)	1:14:B:VAL:HG23	1:33:B:ARG:H	14	0.31	0.13	0.32
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD11	14	0.29	0.15	0.26
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD12	14	0.29	0.15	0.26
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD13	14	0.29	0.15	0.26
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD21	14	0.29	0.15	0.26
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD22	14	0.29	0.15	0.26
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD23	14	0.29	0.15	0.26
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD11	14	0.29	0.15	0.26
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD12	14	0.29	0.15	0.26
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD13	14	0.29	0.15	0.26
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD21	14	0.29	0.15	0.26
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD22	14	0.29	0.15	0.26
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD23	14	0.29	0.15	0.26
(1,220)	1:27:A:GLU:H	1:27:A:GLU:HG2	14	0.27	0.12	0.26
(1,220)	1:27:A:GLU:H	1:27:A:GLU:HG3	14	0.27	0.12	0.26
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD11	14	0.26	0.1	0.26
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD12	14	0.26	0.1	0.26
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD13	14	0.26	0.1	0.26
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD21	14	0.26	0.1	0.26
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD22	14	0.26	0.1	0.26
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD23	14	0.26	0.1	0.26
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB1	14	0.23	0.1	0.2
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB2	14	0.23	0.1	0.2
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB3	14	0.23	0.1	0.2
(1,897)	1:79:A:ARG:HA	1:82:A:GLU:H	14	0.21	0.12	0.16
(1,223)	1:27:A:GLU:HA	1:28:A:SER:H	14	0.19	0.03	0.2
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD11	13	0.62	0.03	0.61
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD12	13	0.62	0.03	0.61

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD13	13	0.62	0.03	0.61
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD21	13	0.62	0.03	0.61
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD22	13	0.62	0.03	0.61
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD23	13	0.62	0.03	0.61
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD11	13	0.46	0.14	0.55
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD12	13	0.46	0.14	0.55
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD13	13	0.46	0.14	0.55
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD11	13	0.46	0.14	0.55
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD12	13	0.46	0.14	0.55
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD13	13	0.46	0.14	0.55
(1,200)	1:23:A:ILE:HD11	1:65:B:GLN:HG2	13	0.46	0.13	0.5
(1,200)	1:23:A:ILE:HD11	1:65:B:GLN:HG3	13	0.46	0.13	0.5
(1,200)	1:23:A:ILE:HD12	1:65:B:GLN:HG2	13	0.46	0.13	0.5
(1,200)	1:23:A:ILE:HD12	1:65:B:GLN:HG3	13	0.46	0.13	0.5
(1,200)	1:23:A:ILE:HD13	1:65:B:GLN:HG2	13	0.46	0.13	0.5
(1,200)	1:23:A:ILE:HD13	1:65:B:GLN:HG3	13	0.46	0.13	0.5
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD11	13	0.45	0.09	0.49
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD12	13	0.45	0.09	0.49
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD13	13	0.45	0.09	0.49
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD21	13	0.45	0.09	0.49
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD22	13	0.45	0.09	0.49
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD23	13	0.45	0.09	0.49
(1,1612)	1:73:B:LEU:HD21	1:74:B:LYS:HA	13	0.4	0.12	0.43
(1,1612)	1:73:B:LEU:HD22	1:74:B:LYS:HA	13	0.4	0.12	0.43
(1,1612)	1:73:B:LEU:HD23	1:74:B:LYS:HA	13	0.4	0.12	0.43
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD11	13	0.38	0.18	0.42
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD12	13	0.38	0.18	0.42
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD13	13	0.38	0.18	0.42
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD21	13	0.38	0.18	0.42
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD22	13	0.38	0.18	0.42
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD23	13	0.38	0.18	0.42
(1,1357)	1:46:B:PHE:HD1	1:62:B:THR:H	13	0.38	0.1	0.37
(1,1357)	1:46:B:PHE:HD2	1:62:B:THR:H	13	0.38	0.1	0.37
(1,922)	1:80:A:LEU:HD11	1:82:A:GLU:H	13	0.36	0.11	0.37
(1,922)	1:80:A:LEU:HD12	1:82:A:GLU:H	13	0.36	0.11	0.37
(1,922)	1:80:A:LEU:HD13	1:82:A:GLU:H	13	0.36	0.11	0.37
(1,922)	1:80:A:LEU:HD21	1:82:A:GLU:H	13	0.36	0.11	0.37
(1,922)	1:80:A:LEU:HD22	1:82:A:GLU:H	13	0.36	0.11	0.37
(1,922)	1:80:A:LEU:HD23	1:82:A:GLU:H	13	0.36	0.11	0.37
(1,61)	1:12:A:VAL:HG11	1:29:A:PRO:HA	13	0.36	0.13	0.39
(1,61)	1:12:A:VAL:HG12	1:29:A:PRO:HA	13	0.36	0.13	0.39
(1,61)	1:12:A:VAL:HG13	1:29:A:PRO:HA	13	0.36	0.13	0.39

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,61)	1:12:A:VAL:HG21	1:29:A:PRO:HA	13	0.36	0.13	0.39
(1,61)	1:12:A:VAL:HG22	1:29:A:PRO:HA	13	0.36	0.13	0.39
(1,61)	1:12:A:VAL:HG23	1:29:A:PRO:HA	13	0.36	0.13	0.39
(1,1038)	1:12:B:VAL:HB	1:25:B:GLY:H	13	0.36	0.14	0.33
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG21	13	0.33	0.1	0.34
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG22	13	0.33	0.1	0.34
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG23	13	0.33	0.1	0.34
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG21	13	0.31	0.12	0.33
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG22	13	0.31	0.12	0.33
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG23	13	0.31	0.12	0.33
(1,85)	1:14:A:VAL:HG11	1:33:A:ARG:H	13	0.26	0.11	0.22
(1,85)	1:14:A:VAL:HG12	1:33:A:ARG:H	13	0.26	0.11	0.22
(1,85)	1:14:A:VAL:HG13	1:33:A:ARG:H	13	0.26	0.11	0.22
(1,85)	1:14:A:VAL:HG21	1:33:A:ARG:H	13	0.26	0.11	0.22
(1,85)	1:14:A:VAL:HG22	1:33:A:ARG:H	13	0.26	0.11	0.22
(1,85)	1:14:A:VAL:HG23	1:33:A:ARG:H	13	0.26	0.11	0.22
(1,133)	1:16:A:ILE:HG21	1:60:B:VAL:HB	13	0.25	0.11	0.23
(1,133)	1:16:A:ILE:HG22	1:60:B:VAL:HB	13	0.25	0.11	0.23
(1,133)	1:16:A:ILE:HG23	1:60:B:VAL:HB	13	0.25	0.11	0.23
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD11	13	0.13	0.01	0.13
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD12	13	0.13	0.01	0.13
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD13	13	0.13	0.01	0.13
(1,213)	1:24:A:VAL:HB	1:65:B:GLN:HG2	12	0.82	0.56	0.7
(1,665)	1:65:A:GLN:HG2	1:23:B:ILE:HD11	12	0.41	0.13	0.42
(1,665)	1:65:A:GLN:HG2	1:23:B:ILE:HD12	12	0.41	0.13	0.42
(1,665)	1:65:A:GLN:HG2	1:23:B:ILE:HD13	12	0.41	0.13	0.42
(1,665)	1:65:A:GLN:HG3	1:23:B:ILE:HD11	12	0.41	0.13	0.42
(1,665)	1:65:A:GLN:HG3	1:23:B:ILE:HD12	12	0.41	0.13	0.42
(1,665)	1:65:A:GLN:HG3	1:23:B:ILE:HD13	12	0.41	0.13	0.42
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD11	12	0.37	0.14	0.41
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD12	12	0.37	0.14	0.41
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD13	12	0.37	0.14	0.41
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD21	12	0.37	0.14	0.41
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD22	12	0.37	0.14	0.41
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD23	12	0.37	0.14	0.41
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD11	12	0.37	0.14	0.41
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD12	12	0.37	0.14	0.41
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD13	12	0.37	0.14	0.41
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD21	12	0.37	0.14	0.41
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD22	12	0.37	0.14	0.41
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD23	12	0.37	0.14	0.41
(1,399)	1:43:A:MET:HB2	1:58:A:LEU:HG	12	0.37	0.16	0.45

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,399)	1:43:A:MET:HB3	1:58:A:LEU:HG	12	0.37	0.16	0.45
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG11	12	0.34	0.14	0.36
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG12	12	0.34	0.14	0.36
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG13	12	0.34	0.14	0.36
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG21	12	0.34	0.14	0.36
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG22	12	0.34	0.14	0.36
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG23	12	0.34	0.14	0.36
(1,913)	1:80:A:LEU:HD11	1:81:A:ARG:HA	12	0.34	0.1	0.34
(1,913)	1:80:A:LEU:HD12	1:81:A:ARG:HA	12	0.34	0.1	0.34
(1,913)	1:80:A:LEU:HD13	1:81:A:ARG:HA	12	0.34	0.1	0.34
(1,112)	1:16:A:ILE:H	1:20:A:ASP:HA	12	0.34	0.11	0.34
(1,1514)	1:65:B:GLN:H	1:65:B:GLN:HG2	12	0.31	0.05	0.34
(1,1514)	1:65:B:GLN:H	1:65:B:GLN:HG3	12	0.31	0.05	0.34
(1,132)	1:16:A:ILE:HG21	1:21:A:TYR:HE1	12	0.3	0.07	0.32
(1,132)	1:16:A:ILE:HG21	1:21:A:TYR:HE2	12	0.3	0.07	0.32
(1,132)	1:16:A:ILE:HG22	1:21:A:TYR:HE1	12	0.3	0.07	0.32
(1,132)	1:16:A:ILE:HG22	1:21:A:TYR:HE2	12	0.3	0.07	0.32
(1,132)	1:16:A:ILE:HG23	1:21:A:TYR:HE1	12	0.3	0.07	0.32
(1,132)	1:16:A:ILE:HG23	1:21:A:TYR:HE2	12	0.3	0.07	0.32
(1,1093)	1:16:B:ILE:H	1:20:B:ASP:HA	12	0.27	0.13	0.26
(1,1111)	1:16:B:ILE:HG21	1:21:B:TYR:HE1	12	0.25	0.09	0.24
(1,1111)	1:16:B:ILE:HG21	1:21:B:TYR:HE2	12	0.25	0.09	0.24
(1,1111)	1:16:B:ILE:HG22	1:21:B:TYR:HE1	12	0.25	0.09	0.24
(1,1111)	1:16:B:ILE:HG22	1:21:B:TYR:HE2	12	0.25	0.09	0.24
(1,1111)	1:16:B:ILE:HG23	1:21:B:TYR:HE1	12	0.25	0.09	0.24
(1,1111)	1:16:B:ILE:HG23	1:21:B:TYR:HE2	12	0.25	0.09	0.24
(1,507)	1:56:A:PRO:HG3	1:57:A:LYS:H	12	0.24	0.16	0.16
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD11	12	0.24	0.09	0.24
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD12	12	0.24	0.09	0.24
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD13	12	0.24	0.09	0.24
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD21	12	0.24	0.09	0.24
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD22	12	0.24	0.09	0.24
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD23	12	0.24	0.09	0.24
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG11	12	0.23	0.09	0.23
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG12	12	0.23	0.09	0.23
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG13	12	0.23	0.09	0.23
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG21	12	0.23	0.09	0.23
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG22	12	0.23	0.09	0.23
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG23	12	0.23	0.09	0.23
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG11	12	0.23	0.09	0.23
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG12	12	0.23	0.09	0.23
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG13	12	0.23	0.09	0.23

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG21	12	0.23	0.09	0.23
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG22	12	0.23	0.09	0.23
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG23	12	0.23	0.09	0.23
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG11	12	0.23	0.09	0.23
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG12	12	0.23	0.09	0.23
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG13	12	0.23	0.09	0.23
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG21	12	0.23	0.09	0.23
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG22	12	0.23	0.09	0.23
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG23	12	0.23	0.09	0.23
(1,151)	1:19:A:GLN:H	1:20:A:ASP:H	12	0.14	0.02	0.14
(1,1608)	1:73:B:LEU:HG	1:74:B:LYS:H	11	0.49	0.04	0.5
(1,920)	1:80:A:LEU:HD11	1:81:A:ARG:HD2	11	0.46	0.09	0.5
(1,920)	1:80:A:LEU:HD11	1:81:A:ARG:HD3	11	0.46	0.09	0.5
(1,920)	1:80:A:LEU:HD12	1:81:A:ARG:HD2	11	0.46	0.09	0.5
(1,920)	1:80:A:LEU:HD12	1:81:A:ARG:HD3	11	0.46	0.09	0.5
(1,920)	1:80:A:LEU:HD13	1:81:A:ARG:HD2	11	0.46	0.09	0.5
(1,920)	1:80:A:LEU:HD13	1:81:A:ARG:HD3	11	0.46	0.09	0.5
(1,920)	1:80:A:LEU:HD21	1:81:A:ARG:HD2	11	0.46	0.09	0.5
(1,920)	1:80:A:LEU:HD21	1:81:A:ARG:HD3	11	0.46	0.09	0.5
(1,920)	1:80:A:LEU:HD22	1:81:A:ARG:HD2	11	0.46	0.09	0.5
(1,920)	1:80:A:LEU:HD22	1:81:A:ARG:HD3	11	0.46	0.09	0.5
(1,920)	1:80:A:LEU:HD23	1:81:A:ARG:HD2	11	0.46	0.09	0.5
(1,920)	1:80:A:LEU:HD23	1:81:A:ARG:HD3	11	0.46	0.09	0.5
(1,686)	1:67:A:ALA:HA	1:70:B:TYR:HD1	11	0.39	0.07	0.39
(1,686)	1:67:A:ALA:HA	1:70:B:TYR:HD2	11	0.39	0.07	0.39
(1,1003)	1:10:B:THR:H	1:25:B:GLY:H	11	0.37	0.1	0.4
(1,734)	1:70:A:TYR:HE1	1:71:B:LEU:H	11	0.36	0.13	0.38
(1,734)	1:70:A:TYR:HE2	1:71:B:LEU:H	11	0.36	0.13	0.38
(1,1319)	1:43:B:MET:H	1:62:B:THR:HB	11	0.36	0.14	0.4
(1,22)	1:10:A:THR:H	1:25:A:GLY:H	11	0.33	0.13	0.32
(1,1010)	1:10:B:THR:HG21	1:12:B:VAL:HA	11	0.3	0.13	0.28
(1,1010)	1:10:B:THR:HG22	1:12:B:VAL:HA	11	0.3	0.13	0.28
(1,1010)	1:10:B:THR:HG23	1:12:B:VAL:HA	11	0.3	0.13	0.28
(1,1059)	1:14:B:VAL:H	1:22:B:THR:HG21	11	0.28	0.11	0.29
(1,1059)	1:14:B:VAL:H	1:22:B:THR:HG22	11	0.28	0.11	0.29
(1,1059)	1:14:B:VAL:H	1:22:B:THR:HG23	11	0.28	0.11	0.29
(1,586)	1:61:A:LEU:HA	1:64:A:VAL:HB	11	0.27	0.13	0.21
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG11	11	0.24	0.11	0.21
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG12	11	0.24	0.11	0.21
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG13	11	0.24	0.11	0.21
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG21	11	0.24	0.11	0.21
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG22	11	0.24	0.11	0.21

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG23	11	0.24	0.11	0.21
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG11	11	0.24	0.11	0.21
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG12	11	0.24	0.11	0.21
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG13	11	0.24	0.11	0.21
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG21	11	0.24	0.11	0.21
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG22	11	0.24	0.11	0.21
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG23	11	0.24	0.11	0.21
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG11	11	0.24	0.11	0.21
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG12	11	0.24	0.11	0.21
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG13	11	0.24	0.11	0.21
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG21	11	0.24	0.11	0.21
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG22	11	0.24	0.11	0.21
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG23	11	0.24	0.11	0.21
(1,750)	1:71:A:LEU:HA	1:75:A:GLU:HB2	11	0.24	0.08	0.23
(1,750)	1:71:A:LEU:HA	1:75:A:GLU:HB3	11	0.24	0.08	0.23
(1,1475)	1:61:B:LEU:HA	1:65:B:GLN:H	11	0.23	0.06	0.23
(1,812)	1:74:A:LYS:HA	1:75:A:GLU:HA	11	0.14	0.03	0.14
(1,1640)	1:74:B:LYS:HB2	1:75:B:GLU:HB2	11	0.14	0.03	0.12
(1,1640)	1:74:B:LYS:HB2	1:75:B:GLU:HB3	11	0.14	0.03	0.12
(1,1640)	1:74:B:LYS:HB3	1:75:B:GLU:HB2	11	0.14	0.03	0.12
(1,1640)	1:74:B:LYS:HB3	1:75:B:GLU:HB3	11	0.14	0.03	0.12
(1,791)	1:73:A:LEU:HG	1:74:A:LYS:H	10	0.5	0.02	0.5
(1,1746)	1:82:B:GLU:HA	1:85:B:LYS:HB2	10	0.4	0.11	0.44
(1,1746)	1:82:B:GLU:HA	1:85:B:LYS:HB3	10	0.4	0.11	0.44
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG11	10	0.38	0.11	0.39
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG12	10	0.38	0.11	0.39
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG13	10	0.38	0.11	0.39
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG21	10	0.38	0.11	0.39
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG22	10	0.38	0.11	0.39
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG23	10	0.38	0.11	0.39
(1,207)	1:23:A:ILE:HG21	1:65:B:GLN:HA	10	0.36	0.13	0.4
(1,207)	1:23:A:ILE:HG22	1:65:B:GLN:HA	10	0.36	0.13	0.4
(1,207)	1:23:A:ILE:HG23	1:65:B:GLN:HA	10	0.36	0.13	0.4
(1,1042)	1:12:B:VAL:HG11	1:29:B:PRO:HA	10	0.36	0.15	0.34
(1,1042)	1:12:B:VAL:HG12	1:29:B:PRO:HA	10	0.36	0.15	0.34
(1,1042)	1:12:B:VAL:HG13	1:29:B:PRO:HA	10	0.36	0.15	0.34
(1,1042)	1:12:B:VAL:HG21	1:29:B:PRO:HA	10	0.36	0.15	0.34
(1,1042)	1:12:B:VAL:HG22	1:29:B:PRO:HA	10	0.36	0.15	0.34
(1,1042)	1:12:B:VAL:HG23	1:29:B:PRO:HA	10	0.36	0.15	0.34
(1,432)	1:46:A:PHE:HD1	1:62:A:THR:H	10	0.36	0.14	0.36
(1,432)	1:46:A:PHE:HD2	1:62:A:THR:H	10	0.36	0.14	0.36
(1,102)	1:15:A:ARG:HD2	1:19:A:GLN:H	10	0.35	0.15	0.37

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,102)	1:15:A:ARG:HD3	1:19:A:GLN:H	10	0.35	0.15	0.37
(1,919)	1:80:A:LEU:HD11	1:81:A:ARG:HB2	10	0.34	0.11	0.38
(1,919)	1:80:A:LEU:HD11	1:81:A:ARG:HB3	10	0.34	0.11	0.38
(1,919)	1:80:A:LEU:HD12	1:81:A:ARG:HB2	10	0.34	0.11	0.38
(1,919)	1:80:A:LEU:HD12	1:81:A:ARG:HB3	10	0.34	0.11	0.38
(1,919)	1:80:A:LEU:HD13	1:81:A:ARG:HB2	10	0.34	0.11	0.38
(1,919)	1:80:A:LEU:HD13	1:81:A:ARG:HB3	10	0.34	0.11	0.38
(1,919)	1:80:A:LEU:HD21	1:81:A:ARG:HB2	10	0.34	0.11	0.38
(1,919)	1:80:A:LEU:HD21	1:81:A:ARG:HB3	10	0.34	0.11	0.38
(1,919)	1:80:A:LEU:HD22	1:81:A:ARG:HB2	10	0.34	0.11	0.38
(1,919)	1:80:A:LEU:HD22	1:81:A:ARG:HB3	10	0.34	0.11	0.38
(1,919)	1:80:A:LEU:HD23	1:81:A:ARG:HB2	10	0.34	0.11	0.38
(1,919)	1:80:A:LEU:HD23	1:81:A:ARG:HB3	10	0.34	0.11	0.38
(1,798)	1:73:A:LEU:HD11	1:74:A:LYS:H	10	0.34	0.1	0.36
(1,798)	1:73:A:LEU:HD12	1:74:A:LYS:H	10	0.34	0.1	0.36
(1,798)	1:73:A:LEU:HD13	1:74:A:LYS:H	10	0.34	0.1	0.36
(1,798)	1:73:A:LEU:HD21	1:74:A:LYS:H	10	0.34	0.1	0.36
(1,798)	1:73:A:LEU:HD22	1:74:A:LYS:H	10	0.34	0.1	0.36
(1,798)	1:73:A:LEU:HD23	1:74:A:LYS:H	10	0.34	0.1	0.36
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG11	10	0.32	0.12	0.3
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG12	10	0.32	0.12	0.3
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG13	10	0.32	0.12	0.3
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG21	10	0.32	0.12	0.3
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG22	10	0.32	0.12	0.3
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG23	10	0.32	0.12	0.3
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD11	10	0.31	0.15	0.21
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD12	10	0.31	0.15	0.21
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD13	10	0.31	0.15	0.21
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD21	10	0.31	0.15	0.21
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD22	10	0.31	0.15	0.21
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD23	10	0.31	0.15	0.21
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD11	10	0.31	0.15	0.21
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD12	10	0.31	0.15	0.21
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD13	10	0.31	0.15	0.21
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD21	10	0.31	0.15	0.21
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD22	10	0.31	0.15	0.21
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD23	10	0.31	0.15	0.21
(1,449)	1:48:A:GLU:HG2	1:49:A:LYS:H	10	0.29	0.12	0.3
(1,449)	1:48:A:GLU:HG3	1:49:A:LYS:H	10	0.29	0.12	0.3
(1,1045)	1:12:B:VAL:HG11	1:33:B:ARG:HA	10	0.27	0.16	0.2
(1,1045)	1:12:B:VAL:HG12	1:33:B:ARG:HA	10	0.27	0.16	0.2
(1,1045)	1:12:B:VAL:HG13	1:33:B:ARG:HA	10	0.27	0.16	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1045)	1:12:B:VAL:HG21	1:33:B:ARG:HA	10	0.27	0.16	0.2
(1,1045)	1:12:B:VAL:HG22	1:33:B:ARG:HA	10	0.27	0.16	0.2
(1,1045)	1:12:B:VAL:HG23	1:33:B:ARG:HA	10	0.27	0.16	0.2
(1,656)	1:65:A:GLN:H	1:65:A:GLN:HG2	10	0.27	0.04	0.28
(1,656)	1:65:A:GLN:H	1:65:A:GLN:HG3	10	0.27	0.04	0.28
(1,1011)	1:10:B:THR:HG21	1:12:B:VAL:HB	10	0.25	0.12	0.21
(1,1011)	1:10:B:THR:HG22	1:12:B:VAL:HB	10	0.25	0.12	0.21
(1,1011)	1:10:B:THR:HG23	1:12:B:VAL:HB	10	0.25	0.12	0.21
(1,599)	1:62:A:THR:H	1:63:B:ALA:HB1	10	0.24	0.1	0.23
(1,599)	1:62:A:THR:H	1:63:B:ALA:HB2	10	0.24	0.1	0.23
(1,599)	1:62:A:THR:H	1:63:B:ALA:HB3	10	0.24	0.1	0.23
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD11	10	0.22	0.09	0.2
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD12	10	0.22	0.09	0.2
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD13	10	0.22	0.09	0.2
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD21	10	0.22	0.09	0.2
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD22	10	0.22	0.09	0.2
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD23	10	0.22	0.09	0.2
(1,1755)	1:83:B:GLN:H	1:83:B:GLN:HG2	10	0.15	0.05	0.13
(1,1755)	1:83:B:GLN:H	1:83:B:GLN:HG3	10	0.15	0.05	0.13
(1,1128)	1:19:B:GLN:H	1:20:B:ASP:H	10	0.13	0.02	0.14
(1,1520)	1:66:B:ILE:H	1:66:B:ILE:HG21	10	0.11	0.01	0.11
(1,1520)	1:66:B:ILE:H	1:66:B:ILE:HG22	10	0.11	0.01	0.11
(1,1520)	1:66:B:ILE:H	1:66:B:ILE:HG23	10	0.11	0.01	0.11
(1,524)	1:57:A:LYS:HD2	1:19:B:GLN:HB3	9	0.57	0.28	0.55
(1,524)	1:57:A:LYS:HD3	1:19:B:GLN:HB3	9	0.57	0.28	0.55
(1,1324)	1:43:B:MET:HB2	1:58:B:LEU:HG	9	0.48	0.13	0.52
(1,1324)	1:43:B:MET:HB3	1:58:B:LEU:HG	9	0.48	0.13	0.52
(1,747)	1:71:A:LEU:HA	1:74:A:LYS:HE2	9	0.44	0.07	0.46
(1,747)	1:71:A:LEU:HA	1:74:A:LYS:HE3	9	0.44	0.07	0.46
(1,1197)	1:30:B:ALA:HB1	1:33:B:ARG:HD2	9	0.39	0.17	0.49
(1,1197)	1:30:B:ALA:HB1	1:33:B:ARG:HD3	9	0.39	0.17	0.49
(1,1197)	1:30:B:ALA:HB2	1:33:B:ARG:HD2	9	0.39	0.17	0.49
(1,1197)	1:30:B:ALA:HB2	1:33:B:ARG:HD3	9	0.39	0.17	0.49
(1,1197)	1:30:B:ALA:HB3	1:33:B:ARG:HD2	9	0.39	0.17	0.49
(1,1197)	1:30:B:ALA:HB3	1:33:B:ARG:HD3	9	0.39	0.17	0.49
(1,394)	1:43:A:MET:H	1:62:A:THR:HB	9	0.37	0.14	0.33
(1,172)	1:21:A:TYR:HB2	1:23:A:ILE:HD11	9	0.36	0.15	0.41
(1,172)	1:21:A:TYR:HB2	1:23:A:ILE:HD12	9	0.36	0.15	0.41
(1,172)	1:21:A:TYR:HB2	1:23:A:ILE:HD13	9	0.36	0.15	0.41
(1,172)	1:21:A:TYR:HB3	1:23:A:ILE:HD11	9	0.36	0.15	0.41
(1,172)	1:21:A:TYR:HB3	1:23:A:ILE:HD12	9	0.36	0.15	0.41
(1,172)	1:21:A:TYR:HB3	1:23:A:ILE:HD13	9	0.36	0.15	0.41

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,799)	1:73:A:LEU:HD11	1:74:A:LYS:HA	9	0.36	0.06	0.39
(1,799)	1:73:A:LEU:HD12	1:74:A:LYS:HA	9	0.36	0.06	0.39
(1,799)	1:73:A:LEU:HD13	1:74:A:LYS:HA	9	0.36	0.06	0.39
(1,799)	1:73:A:LEU:HD21	1:74:A:LYS:HA	9	0.36	0.06	0.39
(1,799)	1:73:A:LEU:HD22	1:74:A:LYS:HA	9	0.36	0.06	0.39
(1,799)	1:73:A:LEU:HD23	1:74:A:LYS:HA	9	0.36	0.06	0.39
(1,23)	1:10:A:THR:H	1:26:A:ALA:HA	9	0.34	0.17	0.41
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD11	9	0.29	0.12	0.25
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD12	9	0.29	0.12	0.25
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD13	9	0.29	0.12	0.25
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD21	9	0.29	0.12	0.25
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD22	9	0.29	0.12	0.25
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD23	9	0.29	0.12	0.25
(1,662)	1:65:A:GLN:HB2	1:23:B:ILE:HG21	9	0.28	0.08	0.3
(1,662)	1:65:A:GLN:HB2	1:23:B:ILE:HG22	9	0.28	0.08	0.3
(1,662)	1:65:A:GLN:HB2	1:23:B:ILE:HG23	9	0.28	0.08	0.3
(1,662)	1:65:A:GLN:HB3	1:23:B:ILE:HG21	9	0.28	0.08	0.3
(1,662)	1:65:A:GLN:HB3	1:23:B:ILE:HG22	9	0.28	0.08	0.3
(1,662)	1:65:A:GLN:HB3	1:23:B:ILE:HG23	9	0.28	0.08	0.3
(1,1083)	1:15:B:ARG:HD2	1:19:B:GLN:H	9	0.27	0.13	0.29
(1,1083)	1:15:B:ARG:HD3	1:19:B:GLN:H	9	0.27	0.13	0.29
(1,1614)	1:73:B:LEU:HD11	1:74:B:LYS:HA	9	0.26	0.09	0.23
(1,1614)	1:73:B:LEU:HD12	1:74:B:LYS:HA	9	0.26	0.09	0.23
(1,1614)	1:73:B:LEU:HD13	1:74:B:LYS:HA	9	0.26	0.09	0.23
(1,1614)	1:73:B:LEU:HD21	1:74:B:LYS:HA	9	0.26	0.09	0.23
(1,1614)	1:73:B:LEU:HD22	1:74:B:LYS:HA	9	0.26	0.09	0.23
(1,1614)	1:73:B:LEU:HD23	1:74:B:LYS:HA	9	0.26	0.09	0.23
(1,588)	1:61:A:LEU:HA	1:65:A:GLN:H	9	0.24	0.07	0.22
(1,1613)	1:73:B:LEU:HD11	1:74:B:LYS:H	9	0.22	0.1	0.17
(1,1613)	1:73:B:LEU:HD12	1:74:B:LYS:H	9	0.22	0.1	0.17
(1,1613)	1:73:B:LEU:HD13	1:74:B:LYS:H	9	0.22	0.1	0.17
(1,1613)	1:73:B:LEU:HD21	1:74:B:LYS:H	9	0.22	0.1	0.17
(1,1613)	1:73:B:LEU:HD22	1:74:B:LYS:H	9	0.22	0.1	0.17
(1,1613)	1:73:B:LEU:HD23	1:74:B:LYS:H	9	0.22	0.1	0.17
(1,78)	1:14:A:VAL:H	1:22:A:THR:HG21	9	0.22	0.12	0.16
(1,78)	1:14:A:VAL:H	1:22:A:THR:HG22	9	0.22	0.12	0.16
(1,78)	1:14:A:VAL:H	1:22:A:THR:HG23	9	0.22	0.12	0.16
(1,1183)	1:28:B:SER:H	1:31:B:HIS:H	9	0.2	0.08	0.16
(1,1072)	1:15:B:ARG:H	1:16:B:ILE:H	9	0.16	0.02	0.16
(1,1576)	1:71:B:LEU:HA	1:74:B:LYS:HE2	8	0.53	0.11	0.52
(1,1576)	1:71:B:LEU:HA	1:74:B:LYS:HE3	8	0.53	0.11	0.52
(1,729)	1:70:A:TYR:HD1	1:67:B:ALA:HA	8	0.41	0.13	0.46

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,729)	1:70:A:TYR:HD2	1:67:B:ALA:HA	8	0.41	0.13	0.46
(1,843)	1:75:A:GLU:HG2	1:27:B:GLU:HG2	8	0.4	0.13	0.45
(1,843)	1:75:A:GLU:HG2	1:27:B:GLU:HG3	8	0.4	0.13	0.45
(1,843)	1:75:A:GLU:HG3	1:27:B:GLU:HG2	8	0.4	0.13	0.45
(1,843)	1:75:A:GLU:HG3	1:27:B:GLU:HG3	8	0.4	0.13	0.45
(1,1653)	1:75:B:GLU:HG2	1:76:B:GLU:H	8	0.39	0.19	0.53
(1,1653)	1:75:B:GLU:HG3	1:76:B:GLU:H	8	0.39	0.19	0.53
(1,829)	1:74:A:LYS:HE2	1:73:B:LEU:HG	8	0.39	0.14	0.44
(1,829)	1:74:A:LYS:HE3	1:73:B:LEU:HG	8	0.39	0.14	0.44
(1,1374)	1:48:B:GLU:HG2	1:49:B:LYS:H	8	0.38	0.08	0.36
(1,1374)	1:48:B:GLU:HG3	1:49:B:LYS:H	8	0.38	0.08	0.36
(1,1046)	1:12:B:VAL:HG11	1:33:B:ARG:HD2	8	0.37	0.15	0.38
(1,1046)	1:12:B:VAL:HG11	1:33:B:ARG:HD3	8	0.37	0.15	0.38
(1,1046)	1:12:B:VAL:HG12	1:33:B:ARG:HD2	8	0.37	0.15	0.38
(1,1046)	1:12:B:VAL:HG12	1:33:B:ARG:HD3	8	0.37	0.15	0.38
(1,1046)	1:12:B:VAL:HG13	1:33:B:ARG:HD2	8	0.37	0.15	0.38
(1,1046)	1:12:B:VAL:HG13	1:33:B:ARG:HD3	8	0.37	0.15	0.38
(1,1046)	1:12:B:VAL:HG21	1:33:B:ARG:HD2	8	0.37	0.15	0.38
(1,1046)	1:12:B:VAL:HG21	1:33:B:ARG:HD3	8	0.37	0.15	0.38
(1,1046)	1:12:B:VAL:HG22	1:33:B:ARG:HD2	8	0.37	0.15	0.38
(1,1046)	1:12:B:VAL:HG22	1:33:B:ARG:HD3	8	0.37	0.15	0.38
(1,1046)	1:12:B:VAL:HG23	1:33:B:ARG:HD2	8	0.37	0.15	0.38
(1,1046)	1:12:B:VAL:HG23	1:33:B:ARG:HD3	8	0.37	0.15	0.38
(1,64)	1:12:A:VAL:HG11	1:33:A:ARG:HA	8	0.34	0.16	0.38
(1,64)	1:12:A:VAL:HG12	1:33:A:ARG:HA	8	0.34	0.16	0.38
(1,64)	1:12:A:VAL:HG13	1:33:A:ARG:HA	8	0.34	0.16	0.38
(1,64)	1:12:A:VAL:HG21	1:33:A:ARG:HA	8	0.34	0.16	0.38
(1,64)	1:12:A:VAL:HG22	1:33:A:ARG:HA	8	0.34	0.16	0.38
(1,64)	1:12:A:VAL:HG23	1:33:A:ARG:HA	8	0.34	0.16	0.38
(1,790)	1:73:A:LEU:HG	1:74:B:LYS:HE2	8	0.34	0.13	0.29
(1,790)	1:73:A:LEU:HG	1:74:B:LYS:HE3	8	0.34	0.13	0.29
(1,1304)	1:42:B:LYS:H	1:62:B:THR:HG21	8	0.32	0.13	0.36
(1,1304)	1:42:B:LYS:H	1:62:B:THR:HG22	8	0.32	0.13	0.36
(1,1304)	1:42:B:LYS:H	1:62:B:THR:HG23	8	0.32	0.13	0.36
(1,760)	1:71:A:LEU:HD11	1:70:B:TYR:HD1	8	0.29	0.09	0.31
(1,760)	1:71:A:LEU:HD11	1:70:B:TYR:HD2	8	0.29	0.09	0.31
(1,760)	1:71:A:LEU:HD12	1:70:B:TYR:HD1	8	0.29	0.09	0.31
(1,760)	1:71:A:LEU:HD12	1:70:B:TYR:HD2	8	0.29	0.09	0.31
(1,760)	1:71:A:LEU:HD13	1:70:B:TYR:HD1	8	0.29	0.09	0.31
(1,760)	1:71:A:LEU:HD13	1:70:B:TYR:HD2	8	0.29	0.09	0.31
(1,760)	1:71:A:LEU:HD21	1:70:B:TYR:HD1	8	0.29	0.09	0.31
(1,760)	1:71:A:LEU:HD21	1:70:B:TYR:HD2	8	0.29	0.09	0.31

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,760)	1:71:A:LEU:HD22	1:70:B:TYR:HD1	8	0.29	0.09	0.31
(1,760)	1:71:A:LEU:HD22	1:70:B:TYR:HD2	8	0.29	0.09	0.31
(1,760)	1:71:A:LEU:HD23	1:70:B:TYR:HD1	8	0.29	0.09	0.31
(1,760)	1:71:A:LEU:HD23	1:70:B:TYR:HD2	8	0.29	0.09	0.31
(1,710)	1:69:A:GLU:H	1:72:A:LYS:HG2	8	0.29	0.15	0.23
(1,710)	1:69:A:GLU:H	1:72:A:LYS:HG3	8	0.29	0.15	0.23
(1,30)	1:10:A:THR:HG21	1:12:A:VAL:HB	8	0.28	0.11	0.28
(1,30)	1:10:A:THR:HG22	1:12:A:VAL:HB	8	0.28	0.11	0.28
(1,30)	1:10:A:THR:HG23	1:12:A:VAL:HB	8	0.28	0.11	0.28
(1,1473)	1:61:B:LEU:HA	1:64:B:VAL:HB	8	0.27	0.08	0.28
(1,793)	1:73:A:LEU:HD11	1:74:A:LYS:HA	8	0.26	0.04	0.28
(1,793)	1:73:A:LEU:HD12	1:74:A:LYS:HA	8	0.26	0.04	0.28
(1,793)	1:73:A:LEU:HD13	1:74:A:LYS:HA	8	0.26	0.04	0.28
(1,632)	1:64:A:VAL:HB	1:36:B:ALA:HA	8	0.26	0.13	0.19
(1,801)	1:73:A:LEU:HD11	1:75:A:GLU:H	8	0.26	0.09	0.25
(1,801)	1:73:A:LEU:HD12	1:75:A:GLU:H	8	0.26	0.09	0.25
(1,801)	1:73:A:LEU:HD13	1:75:A:GLU:H	8	0.26	0.09	0.25
(1,801)	1:73:A:LEU:HD21	1:75:A:GLU:H	8	0.26	0.09	0.25
(1,801)	1:73:A:LEU:HD22	1:75:A:GLU:H	8	0.26	0.09	0.25
(1,801)	1:73:A:LEU:HD23	1:75:A:GLU:H	8	0.26	0.09	0.25
(1,1092)	1:16:B:ILE:H	1:19:B:GLN:H	8	0.26	0.14	0.2
(1,1745)	1:82:B:GLU:HA	1:85:B:LYS:H	8	0.25	0.11	0.23
(1,208)	1:23:A:ILE:HG21	1:65:B:GLN:HB2	8	0.24	0.08	0.22
(1,208)	1:23:A:ILE:HG21	1:65:B:GLN:HB3	8	0.24	0.08	0.22
(1,208)	1:23:A:ILE:HG22	1:65:B:GLN:HB2	8	0.24	0.08	0.22
(1,208)	1:23:A:ILE:HG22	1:65:B:GLN:HB3	8	0.24	0.08	0.22
(1,208)	1:23:A:ILE:HG23	1:65:B:GLN:HB2	8	0.24	0.08	0.22
(1,208)	1:23:A:ILE:HG23	1:65:B:GLN:HB3	8	0.24	0.08	0.22
(1,42)	1:11:A:ARG:HA	1:25:A:GLY:H	8	0.24	0.13	0.2
(1,1674)	1:77:B:TYR:HA	1:80:B:LEU:HB2	8	0.24	0.08	0.24
(1,1674)	1:77:B:TYR:HA	1:80:B:LEU:HB3	8	0.24	0.08	0.24
(1,226)	1:28:A:SER:H	1:31:A:HIS:H	8	0.23	0.12	0.18
(1,444)	1:48:A:GLU:H	1:48:A:GLU:HG2	8	0.2	0.04	0.2
(1,444)	1:48:A:GLU:H	1:48:A:GLU:HG3	8	0.2	0.04	0.2
(1,846)	1:76:A:GLU:H	1:76:A:GLU:HG2	8	0.16	0.04	0.18
(1,846)	1:76:A:GLU:H	1:76:A:GLU:HG3	8	0.16	0.04	0.18
(1,551)	1:60:A:VAL:H	1:60:A:VAL:HB	8	0.16	0.01	0.16
(1,959)	1:83:A:GLN:H	1:83:A:GLN:HG2	8	0.16	0.03	0.14
(1,959)	1:83:A:GLN:H	1:83:A:GLN:HG3	8	0.16	0.03	0.14
(1,667)	1:66:A:ILE:H	1:66:A:ILE:HG21	8	0.11	0.0	0.11
(1,667)	1:66:A:ILE:H	1:66:A:ILE:HG22	8	0.11	0.0	0.11
(1,667)	1:66:A:ILE:H	1:66:A:ILE:HG23	8	0.11	0.0	0.11

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,178)	1:21:A:TYR:HD1	1:61:B:LEU:HD21	7	0.56	0.25	0.5
(1,178)	1:21:A:TYR:HD1	1:61:B:LEU:HD22	7	0.56	0.25	0.5
(1,178)	1:21:A:TYR:HD1	1:61:B:LEU:HD23	7	0.56	0.25	0.5
(1,178)	1:21:A:TYR:HD2	1:61:B:LEU:HD21	7	0.56	0.25	0.5
(1,178)	1:21:A:TYR:HD2	1:61:B:LEU:HD22	7	0.56	0.25	0.5
(1,178)	1:21:A:TYR:HD2	1:61:B:LEU:HD23	7	0.56	0.25	0.5
(1,286)	1:34:A:LEU:HD21	1:71:B:LEU:HD11	7	0.52	0.47	0.31
(1,286)	1:34:A:LEU:HD21	1:71:B:LEU:HD12	7	0.52	0.47	0.31
(1,286)	1:34:A:LEU:HD21	1:71:B:LEU:HD13	7	0.52	0.47	0.31
(1,286)	1:34:A:LEU:HD22	1:71:B:LEU:HD11	7	0.52	0.47	0.31
(1,286)	1:34:A:LEU:HD22	1:71:B:LEU:HD12	7	0.52	0.47	0.31
(1,286)	1:34:A:LEU:HD22	1:71:B:LEU:HD13	7	0.52	0.47	0.31
(1,286)	1:34:A:LEU:HD23	1:71:B:LEU:HD11	7	0.52	0.47	0.31
(1,286)	1:34:A:LEU:HD23	1:71:B:LEU:HD12	7	0.52	0.47	0.31
(1,286)	1:34:A:LEU:HD23	1:71:B:LEU:HD13	7	0.52	0.47	0.31
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD21	7	0.41	0.1	0.43
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD22	7	0.41	0.1	0.43
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD23	7	0.41	0.1	0.43
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD21	7	0.41	0.1	0.43
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD22	7	0.41	0.1	0.43
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD23	7	0.41	0.1	0.43
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD11	7	0.41	0.1	0.43
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD12	7	0.41	0.1	0.43
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD13	7	0.41	0.1	0.43
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD21	7	0.41	0.1	0.43
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD22	7	0.41	0.1	0.43
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD23	7	0.41	0.1	0.43
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD11	7	0.41	0.1	0.43
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD12	7	0.41	0.1	0.43
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD13	7	0.41	0.1	0.43
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD21	7	0.41	0.1	0.43
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD22	7	0.41	0.1	0.43
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD23	7	0.41	0.1	0.43
(1,240)	1:30:A:ALA:HB1	1:33:A:ARG:HD2	7	0.4	0.14	0.47
(1,240)	1:30:A:ALA:HB1	1:33:A:ARG:HD3	7	0.4	0.14	0.47
(1,240)	1:30:A:ALA:HB2	1:33:A:ARG:HD2	7	0.4	0.14	0.47
(1,240)	1:30:A:ALA:HB2	1:33:A:ARG:HD3	7	0.4	0.14	0.47
(1,240)	1:30:A:ALA:HB3	1:33:A:ARG:HD2	7	0.4	0.14	0.47
(1,240)	1:30:A:ALA:HB3	1:33:A:ARG:HD3	7	0.4	0.14	0.47
(1,804)	1:73:A:LEU:HD11	1:77:A:TYR:H	7	0.39	0.1	0.39
(1,804)	1:73:A:LEU:HD12	1:77:A:TYR:H	7	0.39	0.1	0.39
(1,804)	1:73:A:LEU:HD13	1:77:A:TYR:H	7	0.39	0.1	0.39

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,804)	1:73:A:LEU:HD21	1:77:A:TYR:H	7	0.39	0.1	0.39
(1,804)	1:73:A:LEU:HD22	1:77:A:TYR:H	7	0.39	0.1	0.39
(1,804)	1:73:A:LEU:HD23	1:77:A:TYR:H	7	0.39	0.1	0.39
(1,1310)	1:42:B:LYS:HD2	1:62:B:THR:HA	7	0.37	0.14	0.29
(1,1310)	1:42:B:LYS:HD3	1:62:B:THR:HA	7	0.37	0.14	0.29
(1,29)	1:10:A:THR:HG21	1:12:A:VAL:HA	7	0.37	0.14	0.38
(1,29)	1:10:A:THR:HG22	1:12:A:VAL:HA	7	0.37	0.14	0.38
(1,29)	1:10:A:THR:HG23	1:12:A:VAL:HA	7	0.37	0.14	0.38
(1,816)	1:74:A:LYS:HB2	1:73:B:LEU:HD11	7	0.34	0.14	0.32
(1,816)	1:74:A:LYS:HB2	1:73:B:LEU:HD12	7	0.34	0.14	0.32
(1,816)	1:74:A:LYS:HB2	1:73:B:LEU:HD13	7	0.34	0.14	0.32
(1,1369)	1:48:B:GLU:H	1:48:B:GLU:HG2	7	0.31	0.04	0.29
(1,1369)	1:48:B:GLU:H	1:48:B:GLU:HG3	7	0.31	0.04	0.29
(1,1459)	1:60:B:VAL:HB	1:63:B:ALA:HB1	7	0.3	0.16	0.19
(1,1459)	1:60:B:VAL:HB	1:63:B:ALA:HB2	7	0.3	0.16	0.19
(1,1459)	1:60:B:VAL:HB	1:63:B:ALA:HB3	7	0.3	0.16	0.19
(1,1563)	1:70:B:TYR:HA	1:73:B:LEU:HG	7	0.3	0.12	0.33
(1,759)	1:71:A:LEU:HD11	1:38:B:PHE:HD1	7	0.3	0.08	0.3
(1,759)	1:71:A:LEU:HD11	1:38:B:PHE:HD2	7	0.3	0.08	0.3
(1,759)	1:71:A:LEU:HD12	1:38:B:PHE:HD1	7	0.3	0.08	0.3
(1,759)	1:71:A:LEU:HD12	1:38:B:PHE:HD2	7	0.3	0.08	0.3
(1,759)	1:71:A:LEU:HD13	1:38:B:PHE:HD1	7	0.3	0.08	0.3
(1,759)	1:71:A:LEU:HD13	1:38:B:PHE:HD2	7	0.3	0.08	0.3
(1,759)	1:71:A:LEU:HD21	1:38:B:PHE:HD1	7	0.3	0.08	0.3
(1,759)	1:71:A:LEU:HD21	1:38:B:PHE:HD2	7	0.3	0.08	0.3
(1,759)	1:71:A:LEU:HD22	1:38:B:PHE:HD1	7	0.3	0.08	0.3
(1,759)	1:71:A:LEU:HD22	1:38:B:PHE:HD2	7	0.3	0.08	0.3
(1,759)	1:71:A:LEU:HD23	1:38:B:PHE:HD1	7	0.3	0.08	0.3
(1,759)	1:71:A:LEU:HD23	1:38:B:PHE:HD2	7	0.3	0.08	0.3
(1,560)	1:60:A:VAL:HB	1:63:A:ALA:HB1	7	0.29	0.12	0.26
(1,560)	1:60:A:VAL:HB	1:63:A:ALA:HB2	7	0.29	0.12	0.26
(1,560)	1:60:A:VAL:HB	1:63:A:ALA:HB3	7	0.29	0.12	0.26
(1,351)	1:39:A:VAL:HG11	1:64:B:VAL:HA	7	0.26	0.08	0.29
(1,351)	1:39:A:VAL:HG12	1:64:B:VAL:HA	7	0.26	0.08	0.29
(1,351)	1:39:A:VAL:HG13	1:64:B:VAL:HA	7	0.26	0.08	0.29
(1,1579)	1:71:B:LEU:HA	1:75:B:GLU:HB2	7	0.26	0.17	0.14
(1,1579)	1:71:B:LEU:HA	1:75:B:GLU:HB3	7	0.26	0.17	0.14
(1,618)	1:63:A:ALA:HB1	1:62:B:THR:H	7	0.26	0.14	0.23
(1,618)	1:63:A:ALA:HB2	1:62:B:THR:H	7	0.26	0.14	0.23
(1,618)	1:63:A:ALA:HB3	1:62:B:THR:H	7	0.26	0.14	0.23
(1,1138)	1:20:B:ASP:H	1:21:B:TYR:HE1	7	0.26	0.1	0.24
(1,1138)	1:20:B:ASP:H	1:21:B:TYR:HE2	7	0.26	0.1	0.24

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1194)	1:30:B:ALA:HA	1:33:B:ARG:HG2	7	0.24	0.13	0.25
(1,1194)	1:30:B:ALA:HA	1:33:B:ARG:HG3	7	0.24	0.13	0.25
(1,559)	1:60:A:VAL:HB	1:16:B:ILE:HG21	7	0.2	0.08	0.17
(1,559)	1:60:A:VAL:HB	1:16:B:ILE:HG22	7	0.2	0.08	0.17
(1,559)	1:60:A:VAL:HB	1:16:B:ILE:HG23	7	0.2	0.08	0.17
(1,918)	1:80:A:LEU:HD11	1:81:A:ARG:HA	7	0.19	0.05	0.2
(1,918)	1:80:A:LEU:HD12	1:81:A:ARG:HA	7	0.19	0.05	0.2
(1,918)	1:80:A:LEU:HD13	1:81:A:ARG:HA	7	0.19	0.05	0.2
(1,918)	1:80:A:LEU:HD21	1:81:A:ARG:HA	7	0.19	0.05	0.2
(1,918)	1:80:A:LEU:HD22	1:81:A:ARG:HA	7	0.19	0.05	0.2
(1,918)	1:80:A:LEU:HD23	1:81:A:ARG:HA	7	0.19	0.05	0.2
(1,1592)	1:72:B:LYS:HA	1:74:B:LYS:H	7	0.14	0.04	0.14
(1,1160)	1:23:B:ILE:HA	1:23:B:ILE:HD11	7	0.14	0.01	0.14
(1,1160)	1:23:B:ILE:HA	1:23:B:ILE:HD12	7	0.14	0.01	0.14
(1,1160)	1:23:B:ILE:HA	1:23:B:ILE:HD13	7	0.14	0.01	0.14
(1,937)	1:81:A:ARG:HG2	1:80:B:LEU:HD11	6	0.41	0.23	0.4
(1,937)	1:81:A:ARG:HG2	1:80:B:LEU:HD12	6	0.41	0.23	0.4
(1,937)	1:81:A:ARG:HG2	1:80:B:LEU:HD13	6	0.41	0.23	0.4
(1,724)	1:70:A:TYR:HA	1:73:A:LEU:HG	6	0.41	0.1	0.42
(1,111)	1:16:A:ILE:H	1:19:A:GLN:H	6	0.41	0.13	0.47
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD11	6	0.4	0.08	0.38
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD12	6	0.4	0.08	0.38
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD13	6	0.4	0.08	0.38
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD21	6	0.4	0.08	0.38
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD22	6	0.4	0.08	0.38
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD23	6	0.4	0.08	0.38
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD11	6	0.4	0.08	0.38
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD12	6	0.4	0.08	0.38
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD13	6	0.4	0.08	0.38
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD21	6	0.4	0.08	0.38
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD22	6	0.4	0.08	0.38
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD23	6	0.4	0.08	0.38
(1,301)	1:35:A:VAL:HG11	1:71:B:LEU:HD11	6	0.37	0.13	0.31
(1,301)	1:35:A:VAL:HG11	1:71:B:LEU:HD12	6	0.37	0.13	0.31
(1,301)	1:35:A:VAL:HG11	1:71:B:LEU:HD13	6	0.37	0.13	0.31
(1,301)	1:35:A:VAL:HG12	1:71:B:LEU:HD11	6	0.37	0.13	0.31
(1,301)	1:35:A:VAL:HG12	1:71:B:LEU:HD12	6	0.37	0.13	0.31
(1,301)	1:35:A:VAL:HG12	1:71:B:LEU:HD13	6	0.37	0.13	0.31
(1,301)	1:35:A:VAL:HG13	1:71:B:LEU:HD11	6	0.37	0.13	0.31
(1,301)	1:35:A:VAL:HG13	1:71:B:LEU:HD12	6	0.37	0.13	0.31
(1,301)	1:35:A:VAL:HG13	1:71:B:LEU:HD13	6	0.37	0.13	0.31
(1,875)	1:77:A:TYR:HE1	1:81:B:ARG:HD2	6	0.37	0.11	0.36

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,875)	1:77:A:TYR:HE2	1:81:B:ARG:HD2	6	0.37	0.11	0.36
(1,875)	1:77:A:TYR:HE1	1:81:B:ARG:HD3	6	0.37	0.11	0.36
(1,875)	1:77:A:TYR:HE2	1:81:B:ARG:HD3	6	0.37	0.11	0.36
(1,65)	1:12:A:VAL:HG11	1:33:A:ARG:HD2	6	0.34	0.15	0.33
(1,65)	1:12:A:VAL:HG11	1:33:A:ARG:HD3	6	0.34	0.15	0.33
(1,65)	1:12:A:VAL:HG12	1:33:A:ARG:HD2	6	0.34	0.15	0.33
(1,65)	1:12:A:VAL:HG12	1:33:A:ARG:HD3	6	0.34	0.15	0.33
(1,65)	1:12:A:VAL:HG13	1:33:A:ARG:HD2	6	0.34	0.15	0.33
(1,65)	1:12:A:VAL:HG13	1:33:A:ARG:HD3	6	0.34	0.15	0.33
(1,65)	1:12:A:VAL:HG21	1:33:A:ARG:HD2	6	0.34	0.15	0.33
(1,65)	1:12:A:VAL:HG21	1:33:A:ARG:HD3	6	0.34	0.15	0.33
(1,65)	1:12:A:VAL:HG22	1:33:A:ARG:HD2	6	0.34	0.15	0.33
(1,65)	1:12:A:VAL:HG22	1:33:A:ARG:HD3	6	0.34	0.15	0.33
(1,65)	1:12:A:VAL:HG23	1:33:A:ARG:HD2	6	0.34	0.15	0.33
(1,65)	1:12:A:VAL:HG23	1:33:A:ARG:HD3	6	0.34	0.15	0.33
(1,844)	1:75:A:GLU:HG2	1:76:A:GLU:H	6	0.34	0.15	0.26
(1,844)	1:75:A:GLU:HG3	1:76:A:GLU:H	6	0.34	0.15	0.26
(1,737)	1:71:A:LEU:H	1:70:B:TYR:HE1	6	0.33	0.16	0.34
(1,737)	1:71:A:LEU:H	1:70:B:TYR:HE2	6	0.33	0.16	0.34
(1,1595)	1:72:B:LYS:HA	1:75:B:GLU:HG2	6	0.33	0.16	0.3
(1,1595)	1:72:B:LYS:HA	1:75:B:GLU:HG3	6	0.33	0.16	0.3
(1,363)	1:39:A:VAL:HG11	1:62:A:THR:HB	6	0.32	0.13	0.32
(1,363)	1:39:A:VAL:HG12	1:62:A:THR:HB	6	0.32	0.13	0.32
(1,363)	1:39:A:VAL:HG13	1:62:A:THR:HB	6	0.32	0.13	0.32
(1,363)	1:39:A:VAL:HG21	1:62:A:THR:HB	6	0.32	0.13	0.32
(1,363)	1:39:A:VAL:HG22	1:62:A:THR:HB	6	0.32	0.13	0.32
(1,363)	1:39:A:VAL:HG23	1:62:A:THR:HB	6	0.32	0.13	0.32
(1,537)	1:59:A:ALA:H	1:56:B:PRO:HA	6	0.31	0.08	0.3
(1,1023)	1:11:B:ARG:HA	1:25:B:GLY:H	6	0.25	0.09	0.27
(1,842)	1:75:A:GLU:HB2	1:76:A:GLU:H	6	0.23	0.03	0.24
(1,842)	1:75:A:GLU:HB3	1:76:A:GLU:H	6	0.23	0.03	0.24
(1,1616)	1:73:B:LEU:HD11	1:75:B:GLU:H	6	0.22	0.04	0.21
(1,1616)	1:73:B:LEU:HD12	1:75:B:GLU:H	6	0.22	0.04	0.21
(1,1616)	1:73:B:LEU:HD13	1:75:B:GLU:H	6	0.22	0.04	0.21
(1,1616)	1:73:B:LEU:HD21	1:75:B:GLU:H	6	0.22	0.04	0.21
(1,1616)	1:73:B:LEU:HD22	1:75:B:GLU:H	6	0.22	0.04	0.21
(1,1616)	1:73:B:LEU:HD23	1:75:B:GLU:H	6	0.22	0.04	0.21
(1,792)	1:73:A:LEU:HD11	1:74:A:LYS:H	6	0.15	0.04	0.14
(1,792)	1:73:A:LEU:HD12	1:74:A:LYS:H	6	0.15	0.04	0.14
(1,792)	1:73:A:LEU:HD13	1:74:A:LYS:H	6	0.15	0.04	0.14
(1,1655)	1:76:B:GLU:H	1:76:B:GLU:HG2	6	0.15	0.01	0.15
(1,1655)	1:76:B:GLU:H	1:76:B:GLU:HG3	6	0.15	0.01	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,916)	1:80:A:LEU:HD21	1:81:A:ARG:HA	5	0.55	0.02	0.56
(1,916)	1:80:A:LEU:HD22	1:81:A:ARG:HA	5	0.55	0.02	0.56
(1,916)	1:80:A:LEU:HD23	1:81:A:ARG:HA	5	0.55	0.02	0.56
(1,1762)	1:83:B:GLN:HG2	1:84:B:LEU:HD11	5	0.43	0.15	0.48
(1,1762)	1:83:B:GLN:HG2	1:84:B:LEU:HD12	5	0.43	0.15	0.48
(1,1762)	1:83:B:GLN:HG2	1:84:B:LEU:HD13	5	0.43	0.15	0.48
(1,1762)	1:83:B:GLN:HG2	1:84:B:LEU:HD21	5	0.43	0.15	0.48
(1,1762)	1:83:B:GLN:HG2	1:84:B:LEU:HD22	5	0.43	0.15	0.48
(1,1762)	1:83:B:GLN:HG2	1:84:B:LEU:HD23	5	0.43	0.15	0.48
(1,1762)	1:83:B:GLN:HG3	1:84:B:LEU:HD11	5	0.43	0.15	0.48
(1,1762)	1:83:B:GLN:HG3	1:84:B:LEU:HD12	5	0.43	0.15	0.48
(1,1762)	1:83:B:GLN:HG3	1:84:B:LEU:HD13	5	0.43	0.15	0.48
(1,1762)	1:83:B:GLN:HG3	1:84:B:LEU:HD21	5	0.43	0.15	0.48
(1,1762)	1:83:B:GLN:HG3	1:84:B:LEU:HD22	5	0.43	0.15	0.48
(1,1762)	1:83:B:GLN:HG3	1:84:B:LEU:HD23	5	0.43	0.15	0.48
(1,1493)	1:62:B:THR:HB	1:65:B:GLN:HB2	5	0.42	0.09	0.44
(1,1493)	1:62:B:THR:HB	1:65:B:GLN:HB3	5	0.42	0.09	0.44
(1,1654)	1:75:B:GLU:HG2	1:76:B:GLU:HA	5	0.42	0.12	0.47
(1,1654)	1:75:B:GLU:HG3	1:76:B:GLU:HA	5	0.42	0.12	0.47
(1,1004)	1:10:B:THR:H	1:26:B:ALA:HA	5	0.42	0.13	0.38
(1,1119)	1:17:B:TYR:HB2	1:43:B:MET:HB2	5	0.42	0.14	0.5
(1,1119)	1:17:B:TYR:HB2	1:43:B:MET:HB3	5	0.42	0.14	0.5
(1,1119)	1:17:B:TYR:HB3	1:43:B:MET:HB2	5	0.42	0.14	0.5
(1,1119)	1:17:B:TYR:HB3	1:43:B:MET:HB3	5	0.42	0.14	0.5
(1,949)	1:82:A:GLU:HA	1:85:A:LYS:H	5	0.4	0.16	0.45
(1,1146)	1:21:B:TYR:HB2	1:23:B:ILE:HD11	5	0.37	0.13	0.39
(1,1146)	1:21:B:TYR:HB2	1:23:B:ILE:HD12	5	0.37	0.13	0.39
(1,1146)	1:21:B:TYR:HB2	1:23:B:ILE:HD13	5	0.37	0.13	0.39
(1,1146)	1:21:B:TYR:HB3	1:23:B:ILE:HD11	5	0.37	0.13	0.39
(1,1146)	1:21:B:TYR:HB3	1:23:B:ILE:HD12	5	0.37	0.13	0.39
(1,1146)	1:21:B:TYR:HB3	1:23:B:ILE:HD13	5	0.37	0.13	0.39
(1,482)	1:52:A:MET:HG2	1:21:B:TYR:HD1	5	0.36	0.08	0.39
(1,482)	1:52:A:MET:HG2	1:21:B:TYR:HD2	5	0.36	0.08	0.39
(1,482)	1:52:A:MET:HG3	1:21:B:TYR:HD1	5	0.36	0.08	0.39
(1,482)	1:52:A:MET:HG3	1:21:B:TYR:HD2	5	0.36	0.08	0.39
(1,24)	1:10:A:THR:H	1:26:A:ALA:HB1	5	0.35	0.18	0.36
(1,24)	1:10:A:THR:H	1:26:A:ALA:HB2	5	0.35	0.18	0.36
(1,24)	1:10:A:THR:H	1:26:A:ALA:HB3	5	0.35	0.18	0.36
(1,1549)	1:69:B:GLU:H	1:72:B:LYS:HG2	5	0.34	0.14	0.29
(1,1549)	1:69:B:GLU:H	1:72:B:LYS:HG3	5	0.34	0.14	0.29
(1,865)	1:77:A:TYR:HA	1:80:A:LEU:H	5	0.34	0.15	0.39
(1,142)	1:17:A:TYR:HB2	1:43:A:MET:HB2	5	0.34	0.14	0.32

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,142)	1:17:A:TYR:HB2	1:43:A:MET:HB3	5	0.34	0.14	0.32
(1,142)	1:17:A:TYR:HB3	1:43:A:MET:HB2	5	0.34	0.14	0.32
(1,142)	1:17:A:TYR:HB3	1:43:A:MET:HB3	5	0.34	0.14	0.32
(1,1255)	1:35:B:VAL:HG11	1:38:B:PHE:HD1	5	0.33	0.12	0.34
(1,1255)	1:35:B:VAL:HG11	1:38:B:PHE:HD2	5	0.33	0.12	0.34
(1,1255)	1:35:B:VAL:HG12	1:38:B:PHE:HD1	5	0.33	0.12	0.34
(1,1255)	1:35:B:VAL:HG12	1:38:B:PHE:HD2	5	0.33	0.12	0.34
(1,1255)	1:35:B:VAL:HG13	1:38:B:PHE:HD1	5	0.33	0.12	0.34
(1,1255)	1:35:B:VAL:HG13	1:38:B:PHE:HD2	5	0.33	0.12	0.34
(1,1255)	1:35:B:VAL:HG21	1:38:B:PHE:HD1	5	0.33	0.12	0.34
(1,1255)	1:35:B:VAL:HG21	1:38:B:PHE:HD2	5	0.33	0.12	0.34
(1,1255)	1:35:B:VAL:HG22	1:38:B:PHE:HD1	5	0.33	0.12	0.34
(1,1255)	1:35:B:VAL:HG22	1:38:B:PHE:HD2	5	0.33	0.12	0.34
(1,1255)	1:35:B:VAL:HG23	1:38:B:PHE:HD1	5	0.33	0.12	0.34
(1,1255)	1:35:B:VAL:HG23	1:38:B:PHE:HD2	5	0.33	0.12	0.34
(1,237)	1:30:A:ALA:HA	1:33:A:ARG:HG2	5	0.3	0.13	0.3
(1,237)	1:30:A:ALA:HA	1:33:A:ARG:HG3	5	0.3	0.13	0.3
(1,1288)	1:39:B:VAL:HG11	1:62:B:THR:HB	5	0.27	0.16	0.18
(1,1288)	1:39:B:VAL:HG12	1:62:B:THR:HB	5	0.27	0.16	0.18
(1,1288)	1:39:B:VAL:HG13	1:62:B:THR:HB	5	0.27	0.16	0.18
(1,1288)	1:39:B:VAL:HG21	1:62:B:THR:HB	5	0.27	0.16	0.18
(1,1288)	1:39:B:VAL:HG22	1:62:B:THR:HB	5	0.27	0.16	0.18
(1,1288)	1:39:B:VAL:HG23	1:62:B:THR:HB	5	0.27	0.16	0.18
(1,877)	1:77:A:TYR:HE1	1:80:A:LEU:HD11	5	0.27	0.13	0.25
(1,877)	1:77:A:TYR:HE1	1:80:A:LEU:HD12	5	0.27	0.13	0.25
(1,877)	1:77:A:TYR:HE1	1:80:A:LEU:HD13	5	0.27	0.13	0.25
(1,877)	1:77:A:TYR:HE1	1:80:A:LEU:HD21	5	0.27	0.13	0.25
(1,877)	1:77:A:TYR:HE1	1:80:A:LEU:HD22	5	0.27	0.13	0.25
(1,877)	1:77:A:TYR:HE1	1:80:A:LEU:HD23	5	0.27	0.13	0.25
(1,877)	1:77:A:TYR:HE2	1:80:A:LEU:HD11	5	0.27	0.13	0.25
(1,877)	1:77:A:TYR:HE2	1:80:A:LEU:HD12	5	0.27	0.13	0.25
(1,877)	1:77:A:TYR:HE2	1:80:A:LEU:HD13	5	0.27	0.13	0.25
(1,877)	1:77:A:TYR:HE2	1:80:A:LEU:HD21	5	0.27	0.13	0.25
(1,877)	1:77:A:TYR:HE2	1:80:A:LEU:HD22	5	0.27	0.13	0.25
(1,877)	1:77:A:TYR:HE2	1:80:A:LEU:HD23	5	0.27	0.13	0.25
(1,764)	1:71:A:LEU:HD11	1:74:A:LYS:HE2	5	0.26	0.15	0.17
(1,764)	1:71:A:LEU:HD11	1:74:A:LYS:HE3	5	0.26	0.15	0.17
(1,764)	1:71:A:LEU:HD12	1:74:A:LYS:HE2	5	0.26	0.15	0.17
(1,764)	1:71:A:LEU:HD12	1:74:A:LYS:HE3	5	0.26	0.15	0.17
(1,764)	1:71:A:LEU:HD13	1:74:A:LYS:HE2	5	0.26	0.15	0.17
(1,764)	1:71:A:LEU:HD13	1:74:A:LYS:HE3	5	0.26	0.15	0.17
(1,764)	1:71:A:LEU:HD21	1:74:A:LYS:HE2	5	0.26	0.15	0.17

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,764)	1:71:A:LEU:HD21	1:74:A:LYS:HE3	5	0.26	0.15	0.17
(1,764)	1:71:A:LEU:HD22	1:74:A:LYS:HE2	5	0.26	0.15	0.17
(1,764)	1:71:A:LEU:HD22	1:74:A:LYS:HE3	5	0.26	0.15	0.17
(1,764)	1:71:A:LEU:HD23	1:74:A:LYS:HE2	5	0.26	0.15	0.17
(1,764)	1:71:A:LEU:HD23	1:74:A:LYS:HE3	5	0.26	0.15	0.17
(1,1610)	1:73:B:LEU:HD11	1:74:B:LYS:HA	5	0.23	0.09	0.19
(1,1610)	1:73:B:LEU:HD12	1:74:B:LYS:HA	5	0.23	0.09	0.19
(1,1610)	1:73:B:LEU:HD13	1:74:B:LYS:HA	5	0.23	0.09	0.19
(1,1607)	1:73:B:LEU:HA	1:76:B:GLU:HB2	5	0.2	0.06	0.23
(1,1607)	1:73:B:LEU:HA	1:76:B:GLU:HB3	5	0.2	0.06	0.23
(1,789)	1:73:A:LEU:HA	1:77:A:TYR:H	5	0.19	0.09	0.12
(1,1060)	1:14:B:VAL:H	1:23:B:ILE:H	5	0.18	0.05	0.17
(1,773)	1:72:A:LYS:HA	1:75:A:GLU:H	5	0.17	0.02	0.16
(1,1651)	1:75:B:GLU:HA	1:78:B:GLN:H	5	0.15	0.03	0.16
(1,826)	1:74:A:LYS:HB2	1:75:A:GLU:HB2	5	0.14	0.04	0.13
(1,826)	1:74:A:LYS:HB2	1:75:A:GLU:HB3	5	0.14	0.04	0.13
(1,826)	1:74:A:LYS:HB3	1:75:A:GLU:HB2	5	0.14	0.04	0.13
(1,826)	1:74:A:LYS:HB3	1:75:A:GLU:HB3	5	0.14	0.04	0.13
(1,1240)	1:34:B:LEU:HB2	1:34:B:LEU:HG	5	0.11	0.01	0.11
(1,1240)	1:34:B:LEU:HB3	1:34:B:LEU:HG	5	0.11	0.01	0.11
(1,608)	1:62:A:THR:HB	1:65:A:GLN:HB2	4	0.46	0.04	0.46
(1,608)	1:62:A:THR:HB	1:65:A:GLN:HB3	4	0.46	0.04	0.46
(1,1005)	1:10:B:THR:H	1:26:B:ALA:HB1	4	0.38	0.15	0.43
(1,1005)	1:10:B:THR:H	1:26:B:ALA:HB2	4	0.38	0.15	0.43
(1,1005)	1:10:B:THR:H	1:26:B:ALA:HB3	4	0.38	0.15	0.43
(1,777)	1:72:A:LYS:HG2	1:27:B:GLU:HG2	4	0.37	0.17	0.38
(1,777)	1:72:A:LYS:HG2	1:27:B:GLU:HG3	4	0.37	0.17	0.38
(1,388)	1:42:A:LYS:HE2	1:45:A:GLU:HG2	4	0.34	0.1	0.3
(1,388)	1:42:A:LYS:HE2	1:45:A:GLU:HG3	4	0.34	0.1	0.3
(1,388)	1:42:A:LYS:HE3	1:45:A:GLU:HG2	4	0.34	0.1	0.3
(1,388)	1:42:A:LYS:HE3	1:45:A:GLU:HG3	4	0.34	0.1	0.3
(1,803)	1:73:A:LEU:HD11	1:76:A:GLU:HG2	4	0.34	0.18	0.34
(1,803)	1:73:A:LEU:HD11	1:76:A:GLU:HG3	4	0.34	0.18	0.34
(1,803)	1:73:A:LEU:HD12	1:76:A:GLU:HG2	4	0.34	0.18	0.34
(1,803)	1:73:A:LEU:HD12	1:76:A:GLU:HG3	4	0.34	0.18	0.34
(1,803)	1:73:A:LEU:HD13	1:76:A:GLU:HG2	4	0.34	0.18	0.34
(1,803)	1:73:A:LEU:HD13	1:76:A:GLU:HG3	4	0.34	0.18	0.34
(1,803)	1:73:A:LEU:HD21	1:76:A:GLU:HG2	4	0.34	0.18	0.34
(1,803)	1:73:A:LEU:HD21	1:76:A:GLU:HG3	4	0.34	0.18	0.34
(1,803)	1:73:A:LEU:HD22	1:76:A:GLU:HG2	4	0.34	0.18	0.34
(1,803)	1:73:A:LEU:HD22	1:76:A:GLU:HG3	4	0.34	0.18	0.34
(1,803)	1:73:A:LEU:HD23	1:76:A:GLU:HG2	4	0.34	0.18	0.34

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,803)	1:73:A:LEU:HD23	1:76:A:GLU:HG3	4	0.34	0.18	0.34
(1,44)	1:11:A:ARG:HB2	1:24:A:VAL:HG11	4	0.33	0.2	0.32
(1,44)	1:11:A:ARG:HB2	1:24:A:VAL:HG12	4	0.33	0.2	0.32
(1,44)	1:11:A:ARG:HB2	1:24:A:VAL:HG13	4	0.33	0.2	0.32
(1,44)	1:11:A:ARG:HB2	1:24:A:VAL:HG21	4	0.33	0.2	0.32
(1,44)	1:11:A:ARG:HB2	1:24:A:VAL:HG22	4	0.33	0.2	0.32
(1,44)	1:11:A:ARG:HB2	1:24:A:VAL:HG23	4	0.33	0.2	0.32
(1,44)	1:11:A:ARG:HB3	1:24:A:VAL:HG11	4	0.33	0.2	0.32
(1,44)	1:11:A:ARG:HB3	1:24:A:VAL:HG12	4	0.33	0.2	0.32
(1,44)	1:11:A:ARG:HB3	1:24:A:VAL:HG13	4	0.33	0.2	0.32
(1,44)	1:11:A:ARG:HB3	1:24:A:VAL:HG21	4	0.33	0.2	0.32
(1,44)	1:11:A:ARG:HB3	1:24:A:VAL:HG22	4	0.33	0.2	0.32
(1,44)	1:11:A:ARG:HB3	1:24:A:VAL:HG23	4	0.33	0.2	0.32
(1,1290)	1:40:B:ASP:HA	1:43:B:MET:HB2	4	0.31	0.14	0.32
(1,1290)	1:40:B:ASP:HA	1:43:B:MET:HB3	4	0.31	0.14	0.32
(1,1566)	1:70:B:TYR:HD1	1:73:B:LEU:HD11	4	0.31	0.16	0.3
(1,1566)	1:70:B:TYR:HD1	1:73:B:LEU:HD12	4	0.31	0.16	0.3
(1,1566)	1:70:B:TYR:HD1	1:73:B:LEU:HD13	4	0.31	0.16	0.3
(1,1566)	1:70:B:TYR:HD1	1:73:B:LEU:HD21	4	0.31	0.16	0.3
(1,1566)	1:70:B:TYR:HD1	1:73:B:LEU:HD22	4	0.31	0.16	0.3
(1,1566)	1:70:B:TYR:HD1	1:73:B:LEU:HD23	4	0.31	0.16	0.3
(1,1566)	1:70:B:TYR:HD2	1:73:B:LEU:HD11	4	0.31	0.16	0.3
(1,1566)	1:70:B:TYR:HD2	1:73:B:LEU:HD12	4	0.31	0.16	0.3
(1,1566)	1:70:B:TYR:HD2	1:73:B:LEU:HD13	4	0.31	0.16	0.3
(1,1566)	1:70:B:TYR:HD2	1:73:B:LEU:HD21	4	0.31	0.16	0.3
(1,1566)	1:70:B:TYR:HD2	1:73:B:LEU:HD22	4	0.31	0.16	0.3
(1,1566)	1:70:B:TYR:HD2	1:73:B:LEU:HD23	4	0.31	0.16	0.3
(1,385)	1:42:A:LYS:HD2	1:62:A:THR:HA	4	0.26	0.11	0.27
(1,385)	1:42:A:LYS:HD3	1:62:A:THR:HA	4	0.26	0.11	0.27
(1,262)	1:32:A:ILE:HG12	1:33:A:ARG:HB2	4	0.25	0.07	0.26
(1,262)	1:32:A:ILE:HG12	1:33:A:ARG:HB3	4	0.25	0.07	0.26
(1,262)	1:32:A:ILE:HG13	1:33:A:ARG:HB2	4	0.25	0.07	0.26
(1,262)	1:32:A:ILE:HG13	1:33:A:ARG:HB3	4	0.25	0.07	0.26
(1,314)	1:36:A:ALA:HA	1:64:B:VAL:HB	4	0.25	0.09	0.24
(1,1694)	1:79:B:ARG:H	1:79:B:ARG:HD2	4	0.24	0.11	0.2
(1,1694)	1:79:B:ARG:H	1:79:B:ARG:HD3	4	0.24	0.11	0.2
(1,289)	1:34:A:LEU:HD11	1:35:A:VAL:H	4	0.23	0.07	0.22
(1,289)	1:34:A:LEU:HD12	1:35:A:VAL:H	4	0.23	0.07	0.22
(1,289)	1:34:A:LEU:HD13	1:35:A:VAL:H	4	0.23	0.07	0.22
(1,289)	1:34:A:LEU:HD21	1:35:A:VAL:H	4	0.23	0.07	0.22
(1,289)	1:34:A:LEU:HD22	1:35:A:VAL:H	4	0.23	0.07	0.22
(1,289)	1:34:A:LEU:HD23	1:35:A:VAL:H	4	0.23	0.07	0.22

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1617)	1:73:B:LEU:HD11	1:76:B:GLU:HB2	4	0.23	0.06	0.24
(1,1617)	1:73:B:LEU:HD11	1:76:B:GLU:HB3	4	0.23	0.06	0.24
(1,1617)	1:73:B:LEU:HD12	1:76:B:GLU:HB2	4	0.23	0.06	0.24
(1,1617)	1:73:B:LEU:HD12	1:76:B:GLU:HB3	4	0.23	0.06	0.24
(1,1617)	1:73:B:LEU:HD13	1:76:B:GLU:HB2	4	0.23	0.06	0.24
(1,1617)	1:73:B:LEU:HD13	1:76:B:GLU:HB3	4	0.23	0.06	0.24
(1,1617)	1:73:B:LEU:HD21	1:76:B:GLU:HB2	4	0.23	0.06	0.24
(1,1617)	1:73:B:LEU:HD21	1:76:B:GLU:HB3	4	0.23	0.06	0.24
(1,1617)	1:73:B:LEU:HD22	1:76:B:GLU:HB2	4	0.23	0.06	0.24
(1,1617)	1:73:B:LEU:HD22	1:76:B:GLU:HB3	4	0.23	0.06	0.24
(1,1617)	1:73:B:LEU:HD23	1:76:B:GLU:HB2	4	0.23	0.06	0.24
(1,1617)	1:73:B:LEU:HD23	1:76:B:GLU:HB3	4	0.23	0.06	0.24
(1,1619)	1:73:B:LEU:HD11	1:77:B:TYR:H	4	0.22	0.07	0.21
(1,1619)	1:73:B:LEU:HD12	1:77:B:TYR:H	4	0.22	0.07	0.21
(1,1619)	1:73:B:LEU:HD13	1:77:B:TYR:H	4	0.22	0.07	0.21
(1,1619)	1:73:B:LEU:HD21	1:77:B:TYR:H	4	0.22	0.07	0.21
(1,1619)	1:73:B:LEU:HD22	1:77:B:TYR:H	4	0.22	0.07	0.21
(1,1619)	1:73:B:LEU:HD23	1:77:B:TYR:H	4	0.22	0.07	0.21
(1,1018)	1:11:B:ARG:H	1:25:B:GLY:H	4	0.21	0.11	0.18
(1,1129)	1:19:B:GLN:H	1:21:B:TYR:HE1	4	0.21	0.09	0.2
(1,1129)	1:19:B:GLN:H	1:21:B:TYR:HE2	4	0.21	0.09	0.2
(1,1321)	1:43:B:MET:HA	1:62:B:THR:HB	4	0.2	0.08	0.2
(1,150)	1:19:A:GLN:H	1:19:A:GLN:HG2	4	0.2	0.06	0.2
(1,150)	1:19:A:GLN:H	1:19:A:GLN:HG3	4	0.2	0.06	0.2
(1,912)	1:80:A:LEU:HD11	1:81:A:ARG:H	4	0.17	0.05	0.16
(1,912)	1:80:A:LEU:HD12	1:81:A:ARG:H	4	0.17	0.05	0.16
(1,912)	1:80:A:LEU:HD13	1:81:A:ARG:H	4	0.17	0.05	0.16
(1,1070)	1:15:B:ARG:H	1:15:B:ARG:HD2	4	0.15	0.01	0.16
(1,1070)	1:15:B:ARG:H	1:15:B:ARG:HD3	4	0.15	0.01	0.16
(1,613)	1:63:A:ALA:H	1:64:A:VAL:HG11	4	0.14	0.02	0.14
(1,613)	1:63:A:ALA:H	1:64:A:VAL:HG12	4	0.14	0.02	0.14
(1,613)	1:63:A:ALA:H	1:64:A:VAL:HG13	4	0.14	0.02	0.14
(1,613)	1:63:A:ALA:H	1:64:A:VAL:HG21	4	0.14	0.02	0.14
(1,613)	1:63:A:ALA:H	1:64:A:VAL:HG22	4	0.14	0.02	0.14
(1,613)	1:63:A:ALA:H	1:64:A:VAL:HG23	4	0.14	0.02	0.14
(1,1639)	1:74:B:LYS:HB2	1:75:B:GLU:H	4	0.14	0.04	0.12
(1,1639)	1:74:B:LYS:HB3	1:75:B:GLU:H	4	0.14	0.04	0.12
(1,1497)	1:63:B:ALA:H	1:64:B:VAL:HG11	4	0.12	0.02	0.12
(1,1497)	1:63:B:ALA:H	1:64:B:VAL:HG12	4	0.12	0.02	0.12
(1,1497)	1:63:B:ALA:H	1:64:B:VAL:HG13	4	0.12	0.02	0.12
(1,1497)	1:63:B:ALA:H	1:64:B:VAL:HG21	4	0.12	0.02	0.12
(1,1497)	1:63:B:ALA:H	1:64:B:VAL:HG22	4	0.12	0.02	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1497)	1:63:B:ALA:H	1:64:B:VAL:HG23	4	0.12	0.02	0.12
(1,1599)	1:73:B:LEU:H	1:73:B:LEU:HG	4	0.12	0.02	0.12
(1,794)	1:73:A:LEU:HD21	1:74:A:LYS:H	4	0.12	0.01	0.12
(1,794)	1:73:A:LEU:HD22	1:74:A:LYS:H	4	0.12	0.01	0.12
(1,794)	1:73:A:LEU:HD23	1:74:A:LYS:H	4	0.12	0.01	0.12
(1,950)	1:82:A:GLU:HA	1:85:A:LYS:HB2	3	0.45	0.08	0.47
(1,950)	1:82:A:GLU:HA	1:85:A:LYS:HB3	3	0.45	0.08	0.47
(1,309)	1:35:A:VAL:HG11	1:38:A:PHE:HD1	3	0.43	0.12	0.5
(1,309)	1:35:A:VAL:HG11	1:38:A:PHE:HD2	3	0.43	0.12	0.5
(1,309)	1:35:A:VAL:HG12	1:38:A:PHE:HD1	3	0.43	0.12	0.5
(1,309)	1:35:A:VAL:HG12	1:38:A:PHE:HD2	3	0.43	0.12	0.5
(1,309)	1:35:A:VAL:HG13	1:38:A:PHE:HD1	3	0.43	0.12	0.5
(1,309)	1:35:A:VAL:HG13	1:38:A:PHE:HD2	3	0.43	0.12	0.5
(1,309)	1:35:A:VAL:HG21	1:38:A:PHE:HD1	3	0.43	0.12	0.5
(1,309)	1:35:A:VAL:HG21	1:38:A:PHE:HD2	3	0.43	0.12	0.5
(1,309)	1:35:A:VAL:HG22	1:38:A:PHE:HD1	3	0.43	0.12	0.5
(1,309)	1:35:A:VAL:HG22	1:38:A:PHE:HD2	3	0.43	0.12	0.5
(1,309)	1:35:A:VAL:HG23	1:38:A:PHE:HD1	3	0.43	0.12	0.5
(1,309)	1:35:A:VAL:HG23	1:38:A:PHE:HD2	3	0.43	0.12	0.5
(1,45)	1:11:A:ARG:HD2	1:22:A:THR:HB	3	0.41	0.16	0.5
(1,45)	1:11:A:ARG:HD3	1:22:A:THR:HB	3	0.41	0.16	0.5
(1,866)	1:77:A:TYR:HA	1:80:A:LEU:HB2	3	0.37	0.1	0.31
(1,866)	1:77:A:TYR:HA	1:80:A:LEU:HB3	3	0.37	0.1	0.31
(1,1331)	1:44:B:HIS:HA	1:58:B:LEU:HD11	3	0.37	0.09	0.32
(1,1331)	1:44:B:HIS:HA	1:58:B:LEU:HD12	3	0.37	0.09	0.32
(1,1331)	1:44:B:HIS:HA	1:58:B:LEU:HD13	3	0.37	0.09	0.32
(1,1331)	1:44:B:HIS:HA	1:58:B:LEU:HD21	3	0.37	0.09	0.32
(1,1331)	1:44:B:HIS:HA	1:58:B:LEU:HD22	3	0.37	0.09	0.32
(1,1331)	1:44:B:HIS:HA	1:58:B:LEU:HD23	3	0.37	0.09	0.32
(1,99)	1:15:A:ARG:HG3	1:19:A:GLN:H	3	0.36	0.02	0.35
(1,176)	1:21:A:TYR:HD1	1:52:B:MET:HG2	3	0.35	0.21	0.35
(1,176)	1:21:A:TYR:HD1	1:52:B:MET:HG3	3	0.35	0.21	0.35
(1,176)	1:21:A:TYR:HD2	1:52:B:MET:HG2	3	0.35	0.21	0.35
(1,176)	1:21:A:TYR:HD2	1:52:B:MET:HG3	3	0.35	0.21	0.35
(1,805)	1:73:A:LEU:HD11	1:77:A:TYR:HB2	3	0.34	0.02	0.34
(1,805)	1:73:A:LEU:HD11	1:77:A:TYR:HB3	3	0.34	0.02	0.34
(1,805)	1:73:A:LEU:HD12	1:77:A:TYR:HB2	3	0.34	0.02	0.34
(1,805)	1:73:A:LEU:HD12	1:77:A:TYR:HB3	3	0.34	0.02	0.34
(1,805)	1:73:A:LEU:HD13	1:77:A:TYR:HB2	3	0.34	0.02	0.34
(1,805)	1:73:A:LEU:HD13	1:77:A:TYR:HB3	3	0.34	0.02	0.34
(1,805)	1:73:A:LEU:HD21	1:77:A:TYR:HB2	3	0.34	0.02	0.34
(1,805)	1:73:A:LEU:HD21	1:77:A:TYR:HB3	3	0.34	0.02	0.34

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,805)	1:73:A:LEU:HD22	1:77:A:TYR:HB2	3	0.34	0.02	0.34
(1,805)	1:73:A:LEU:HD22	1:77:A:TYR:HB3	3	0.34	0.02	0.34
(1,805)	1:73:A:LEU:HD23	1:77:A:TYR:HB2	3	0.34	0.02	0.34
(1,805)	1:73:A:LEU:HD23	1:77:A:TYR:HB3	3	0.34	0.02	0.34
(1,274)	1:33:A:ARG:HB2	1:34:A:LEU:HD11	3	0.34	0.14	0.31
(1,274)	1:33:A:ARG:HB2	1:34:A:LEU:HD12	3	0.34	0.14	0.31
(1,274)	1:33:A:ARG:HB2	1:34:A:LEU:HD13	3	0.34	0.14	0.31
(1,274)	1:33:A:ARG:HB2	1:34:A:LEU:HD21	3	0.34	0.14	0.31
(1,274)	1:33:A:ARG:HB2	1:34:A:LEU:HD22	3	0.34	0.14	0.31
(1,274)	1:33:A:ARG:HB2	1:34:A:LEU:HD23	3	0.34	0.14	0.31
(1,274)	1:33:A:ARG:HB3	1:34:A:LEU:HD11	3	0.34	0.14	0.31
(1,274)	1:33:A:ARG:HB3	1:34:A:LEU:HD12	3	0.34	0.14	0.31
(1,274)	1:33:A:ARG:HB3	1:34:A:LEU:HD13	3	0.34	0.14	0.31
(1,274)	1:33:A:ARG:HB3	1:34:A:LEU:HD21	3	0.34	0.14	0.31
(1,274)	1:33:A:ARG:HB3	1:34:A:LEU:HD22	3	0.34	0.14	0.31
(1,274)	1:33:A:ARG:HB3	1:34:A:LEU:HD23	3	0.34	0.14	0.31
(1,387)	1:42:A:LYS:HD2	1:66:A:ILE:HA	3	0.3	0.1	0.32
(1,387)	1:42:A:LYS:HD3	1:66:A:ILE:HA	3	0.3	0.1	0.32
(1,37)	1:11:A:ARG:H	1:25:A:GLY:H	3	0.27	0.09	0.24
(1,198)	1:23:A:ILE:HD11	1:64:B:VAL:HB	3	0.26	0.09	0.24
(1,198)	1:23:A:ILE:HD12	1:64:B:VAL:HB	3	0.26	0.09	0.24
(1,198)	1:23:A:ILE:HD13	1:64:B:VAL:HB	3	0.26	0.09	0.24
(1,79)	1:14:A:VAL:H	1:23:A:ILE:H	3	0.26	0.07	0.3
(1,565)	1:60:A:VAL:HG11	1:16:B:ILE:HD11	3	0.26	0.09	0.25
(1,565)	1:60:A:VAL:HG11	1:16:B:ILE:HD12	3	0.26	0.09	0.25
(1,565)	1:60:A:VAL:HG11	1:16:B:ILE:HD13	3	0.26	0.09	0.25
(1,565)	1:60:A:VAL:HG12	1:16:B:ILE:HD11	3	0.26	0.09	0.25
(1,565)	1:60:A:VAL:HG12	1:16:B:ILE:HD12	3	0.26	0.09	0.25
(1,565)	1:60:A:VAL:HG12	1:16:B:ILE:HD13	3	0.26	0.09	0.25
(1,565)	1:60:A:VAL:HG13	1:16:B:ILE:HD11	3	0.26	0.09	0.25
(1,565)	1:60:A:VAL:HG13	1:16:B:ILE:HD12	3	0.26	0.09	0.25
(1,565)	1:60:A:VAL:HG13	1:16:B:ILE:HD13	3	0.26	0.09	0.25
(1,565)	1:60:A:VAL:HG21	1:16:B:ILE:HD11	3	0.26	0.09	0.25
(1,565)	1:60:A:VAL:HG21	1:16:B:ILE:HD12	3	0.26	0.09	0.25
(1,565)	1:60:A:VAL:HG21	1:16:B:ILE:HD13	3	0.26	0.09	0.25
(1,565)	1:60:A:VAL:HG22	1:16:B:ILE:HD11	3	0.26	0.09	0.25
(1,565)	1:60:A:VAL:HG22	1:16:B:ILE:HD12	3	0.26	0.09	0.25
(1,565)	1:60:A:VAL:HG22	1:16:B:ILE:HD13	3	0.26	0.09	0.25
(1,565)	1:60:A:VAL:HG23	1:16:B:ILE:HD11	3	0.26	0.09	0.25
(1,565)	1:60:A:VAL:HG23	1:16:B:ILE:HD12	3	0.26	0.09	0.25
(1,565)	1:60:A:VAL:HG23	1:16:B:ILE:HD13	3	0.26	0.09	0.25
(1,1219)	1:32:B:ILE:HG12	1:33:B:ARG:HB2	3	0.26	0.13	0.23

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1219)	1:32:B:ILE:HG12	1:33:B:ARG:HB3	3	0.26	0.13	0.23
(1,1219)	1:32:B:ILE:HG13	1:33:B:ARG:HB2	3	0.26	0.13	0.23
(1,1219)	1:32:B:ILE:HG13	1:33:B:ARG:HB3	3	0.26	0.13	0.23
(1,1574)	1:71:B:LEU:HA	1:74:B:LYS:HB2	3	0.26	0.08	0.22
(1,1574)	1:71:B:LEU:HA	1:74:B:LYS:HB3	3	0.26	0.08	0.22
(1,1353)	1:46:B:PHE:HB2	1:58:B:LEU:HG	3	0.23	0.09	0.21
(1,1353)	1:46:B:PHE:HB3	1:58:B:LEU:HG	3	0.23	0.09	0.21
(1,1512)	1:64:B:VAL:HG11	1:68:B:SER:H	3	0.22	0.07	0.18
(1,1512)	1:64:B:VAL:HG12	1:68:B:SER:H	3	0.22	0.07	0.18
(1,1512)	1:64:B:VAL:HG13	1:68:B:SER:H	3	0.22	0.07	0.18
(1,1512)	1:64:B:VAL:HG21	1:68:B:SER:H	3	0.22	0.07	0.18
(1,1512)	1:64:B:VAL:HG22	1:68:B:SER:H	3	0.22	0.07	0.18
(1,1512)	1:64:B:VAL:HG23	1:68:B:SER:H	3	0.22	0.07	0.18
(1,802)	1:73:A:LEU:HD11	1:76:A:GLU:HB2	3	0.19	0.03	0.17
(1,802)	1:73:A:LEU:HD11	1:76:A:GLU:HB3	3	0.19	0.03	0.17
(1,802)	1:73:A:LEU:HD12	1:76:A:GLU:HB2	3	0.19	0.03	0.17
(1,802)	1:73:A:LEU:HD12	1:76:A:GLU:HB3	3	0.19	0.03	0.17
(1,802)	1:73:A:LEU:HD13	1:76:A:GLU:HB2	3	0.19	0.03	0.17
(1,802)	1:73:A:LEU:HD13	1:76:A:GLU:HB3	3	0.19	0.03	0.17
(1,802)	1:73:A:LEU:HD21	1:76:A:GLU:HB2	3	0.19	0.03	0.17
(1,802)	1:73:A:LEU:HD21	1:76:A:GLU:HB3	3	0.19	0.03	0.17
(1,802)	1:73:A:LEU:HD22	1:76:A:GLU:HB2	3	0.19	0.03	0.17
(1,802)	1:73:A:LEU:HD22	1:76:A:GLU:HB3	3	0.19	0.03	0.17
(1,802)	1:73:A:LEU:HD23	1:76:A:GLU:HB2	3	0.19	0.03	0.17
(1,802)	1:73:A:LEU:HD23	1:76:A:GLU:HB3	3	0.19	0.03	0.17
(1,160)	1:19:A:GLN:HB2	1:60:B:VAL:HG11	3	0.18	0.02	0.16
(1,160)	1:19:A:GLN:HB2	1:60:B:VAL:HG12	3	0.18	0.02	0.16
(1,160)	1:19:A:GLN:HB2	1:60:B:VAL:HG13	3	0.18	0.02	0.16
(1,160)	1:19:A:GLN:HB2	1:60:B:VAL:HG21	3	0.18	0.02	0.16
(1,160)	1:19:A:GLN:HB2	1:60:B:VAL:HG22	3	0.18	0.02	0.16
(1,160)	1:19:A:GLN:HB2	1:60:B:VAL:HG23	3	0.18	0.02	0.16
(1,160)	1:19:A:GLN:HB3	1:60:B:VAL:HG11	3	0.18	0.02	0.16
(1,160)	1:19:A:GLN:HB3	1:60:B:VAL:HG12	3	0.18	0.02	0.16
(1,160)	1:19:A:GLN:HB3	1:60:B:VAL:HG13	3	0.18	0.02	0.16
(1,160)	1:19:A:GLN:HB3	1:60:B:VAL:HG21	3	0.18	0.02	0.16
(1,160)	1:19:A:GLN:HB3	1:60:B:VAL:HG22	3	0.18	0.02	0.16
(1,160)	1:19:A:GLN:HB3	1:60:B:VAL:HG23	3	0.18	0.02	0.16
(1,908)	1:80:A:LEU:HA	1:83:A:GLN:H	3	0.18	0.04	0.17
(1,769)	1:72:A:LYS:HA	1:72:A:LYS:HD2	3	0.17	0.01	0.18
(1,769)	1:72:A:LYS:HA	1:72:A:LYS:HD3	3	0.17	0.01	0.18
(1,772)	1:72:A:LYS:HA	1:74:A:LYS:H	3	0.16	0.07	0.11
(1,1596)	1:72:B:LYS:HA	1:76:B:GLU:H	3	0.16	0.02	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,825)	1:74:A:LYS:HB2	1:75:A:GLU:H	3	0.14	0.02	0.15
(1,825)	1:74:A:LYS:HB3	1:75:A:GLU:H	3	0.14	0.02	0.15
(1,1585)	1:71:B:LEU:HD11	1:74:B:LYS:HE2	3	0.14	0.02	0.15
(1,1585)	1:71:B:LEU:HD11	1:74:B:LYS:HE3	3	0.14	0.02	0.15
(1,1585)	1:71:B:LEU:HD12	1:74:B:LYS:HE2	3	0.14	0.02	0.15
(1,1585)	1:71:B:LEU:HD12	1:74:B:LYS:HE3	3	0.14	0.02	0.15
(1,1585)	1:71:B:LEU:HD13	1:74:B:LYS:HE2	3	0.14	0.02	0.15
(1,1585)	1:71:B:LEU:HD13	1:74:B:LYS:HE3	3	0.14	0.02	0.15
(1,1585)	1:71:B:LEU:HD21	1:74:B:LYS:HE2	3	0.14	0.02	0.15
(1,1585)	1:71:B:LEU:HD21	1:74:B:LYS:HE3	3	0.14	0.02	0.15
(1,1585)	1:71:B:LEU:HD22	1:74:B:LYS:HE2	3	0.14	0.02	0.15
(1,1585)	1:71:B:LEU:HD22	1:74:B:LYS:HE3	3	0.14	0.02	0.15
(1,1585)	1:71:B:LEU:HD23	1:74:B:LYS:HE2	3	0.14	0.02	0.15
(1,1585)	1:71:B:LEU:HD23	1:74:B:LYS:HE3	3	0.14	0.02	0.15
(1,1688)	1:78:B:GLN:HA	1:80:B:LEU:H	3	0.13	0.02	0.12
(1,981)	1:8:B:PRO:HA	1:9:B:LYS:H	3	0.11	0.0	0.11
(1,257)	1:32:A:ILE:HA	1:35:A:VAL:HB	2	0.5	0.09	0.5
(1,1351)	1:46:B:PHE:HA	1:49:B:LYS:HD2	2	0.45	0.07	0.45
(1,1351)	1:46:B:PHE:HA	1:49:B:LYS:HD3	2	0.45	0.07	0.45
(1,1259)	1:36:B:ALA:HA	1:39:B:VAL:HB	2	0.43	0.15	0.43
(1,1231)	1:33:B:ARG:HB2	1:34:B:LEU:HD11	2	0.37	0.21	0.37
(1,1231)	1:33:B:ARG:HB2	1:34:B:LEU:HD12	2	0.37	0.21	0.37
(1,1231)	1:33:B:ARG:HB2	1:34:B:LEU:HD13	2	0.37	0.21	0.37
(1,1231)	1:33:B:ARG:HB2	1:34:B:LEU:HD21	2	0.37	0.21	0.37
(1,1231)	1:33:B:ARG:HB2	1:34:B:LEU:HD22	2	0.37	0.21	0.37
(1,1231)	1:33:B:ARG:HB2	1:34:B:LEU:HD23	2	0.37	0.21	0.37
(1,1231)	1:33:B:ARG:HB3	1:34:B:LEU:HD11	2	0.37	0.21	0.37
(1,1231)	1:33:B:ARG:HB3	1:34:B:LEU:HD12	2	0.37	0.21	0.37
(1,1231)	1:33:B:ARG:HB3	1:34:B:LEU:HD13	2	0.37	0.21	0.37
(1,1231)	1:33:B:ARG:HB3	1:34:B:LEU:HD21	2	0.37	0.21	0.37
(1,1231)	1:33:B:ARG:HB3	1:34:B:LEU:HD22	2	0.37	0.21	0.37
(1,1231)	1:33:B:ARG:HB3	1:34:B:LEU:HD23	2	0.37	0.21	0.37
(1,1278)	1:38:B:PHE:HD1	1:66:B:ILE:HG21	2	0.34	0.19	0.34
(1,1278)	1:38:B:PHE:HD1	1:66:B:ILE:HG22	2	0.34	0.19	0.34
(1,1278)	1:38:B:PHE:HD1	1:66:B:ILE:HG23	2	0.34	0.19	0.34
(1,1278)	1:38:B:PHE:HD2	1:66:B:ILE:HG21	2	0.34	0.19	0.34
(1,1278)	1:38:B:PHE:HD2	1:66:B:ILE:HG22	2	0.34	0.19	0.34
(1,1278)	1:38:B:PHE:HD2	1:66:B:ILE:HG23	2	0.34	0.19	0.34
(1,275)	1:34:A:LEU:H	1:34:A:LEU:HG	2	0.32	0.05	0.32
(1,954)	1:82:A:GLU:HB2	1:85:A:LYS:HD2	2	0.32	0.1	0.32
(1,954)	1:82:A:GLU:HB2	1:85:A:LYS:HD3	2	0.32	0.1	0.32
(1,954)	1:82:A:GLU:HB3	1:85:A:LYS:HD2	2	0.32	0.1	0.32

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,954)	1:82:A:GLU:HB3	1:85:A:LYS:HD3	2	0.32	0.1	0.32
(1,845)	1:75:A:GLU:HG2	1:76:A:GLU:HA	2	0.31	0.02	0.31
(1,845)	1:75:A:GLU:HG3	1:76:A:GLU:HA	2	0.31	0.02	0.31
(1,365)	1:40:A:ASP:HA	1:43:A:MET:HB2	2	0.3	0.08	0.3
(1,365)	1:40:A:ASP:HA	1:43:A:MET:HB3	2	0.3	0.08	0.3
(1,1539)	1:68:B:SER:H	1:71:B:LEU:HD11	2	0.29	0.07	0.29
(1,1539)	1:68:B:SER:H	1:71:B:LEU:HD12	2	0.29	0.07	0.29
(1,1539)	1:68:B:SER:H	1:71:B:LEU:HD13	2	0.29	0.07	0.29
(1,1539)	1:68:B:SER:H	1:71:B:LEU:HD21	2	0.29	0.07	0.29
(1,1539)	1:68:B:SER:H	1:71:B:LEU:HD22	2	0.29	0.07	0.29
(1,1539)	1:68:B:SER:H	1:71:B:LEU:HD23	2	0.29	0.07	0.29
(1,1076)	1:15:B:ARG:HA	1:21:B:TYR:HD1	2	0.28	0.17	0.28
(1,1076)	1:15:B:ARG:HA	1:21:B:TYR:HD2	2	0.28	0.17	0.28
(1,152)	1:19:A:GLN:H	1:21:A:TYR:HE1	2	0.28	0.07	0.28
(1,152)	1:19:A:GLN:H	1:21:A:TYR:HE2	2	0.28	0.07	0.28
(1,232)	1:29:A:PRO:HG2	1:30:A:ALA:H	2	0.27	0.1	0.27
(1,232)	1:29:A:PRO:HG3	1:30:A:ALA:H	2	0.27	0.1	0.27
(1,886)	1:78:A:GLN:HA	1:81:A:ARG:H	2	0.27	0.16	0.27
(1,1664)	1:76:B:GLU:HA	1:79:B:ARG:HG2	2	0.27	0.07	0.27
(1,1664)	1:76:B:GLU:HA	1:79:B:ARG:HG3	2	0.27	0.07	0.27
(1,162)	1:19:A:GLN:HG2	1:21:A:TYR:HE1	2	0.26	0.1	0.26
(1,162)	1:19:A:GLN:HG2	1:21:A:TYR:HE2	2	0.26	0.1	0.26
(1,162)	1:19:A:GLN:HG3	1:21:A:TYR:HE1	2	0.26	0.1	0.26
(1,162)	1:19:A:GLN:HG3	1:21:A:TYR:HE2	2	0.26	0.1	0.26
(1,788)	1:73:A:LEU:HA	1:76:A:GLU:HB2	2	0.26	0.02	0.26
(1,788)	1:73:A:LEU:HA	1:76:A:GLU:HB3	2	0.26	0.02	0.26
(1,334)	1:38:A:PHE:HB2	1:71:B:LEU:HD11	2	0.26	0.15	0.26
(1,334)	1:38:A:PHE:HB2	1:71:B:LEU:HD12	2	0.26	0.15	0.26
(1,334)	1:38:A:PHE:HB2	1:71:B:LEU:HD13	2	0.26	0.15	0.26
(1,334)	1:38:A:PHE:HB2	1:71:B:LEU:HD21	2	0.26	0.15	0.26
(1,334)	1:38:A:PHE:HB2	1:71:B:LEU:HD22	2	0.26	0.15	0.26
(1,334)	1:38:A:PHE:HB2	1:71:B:LEU:HD23	2	0.26	0.15	0.26
(1,334)	1:38:A:PHE:HB3	1:71:B:LEU:HD11	2	0.26	0.15	0.26
(1,334)	1:38:A:PHE:HB3	1:71:B:LEU:HD12	2	0.26	0.15	0.26
(1,334)	1:38:A:PHE:HB3	1:71:B:LEU:HD13	2	0.26	0.15	0.26
(1,334)	1:38:A:PHE:HB3	1:71:B:LEU:HD21	2	0.26	0.15	0.26
(1,334)	1:38:A:PHE:HB3	1:71:B:LEU:HD22	2	0.26	0.15	0.26
(1,334)	1:38:A:PHE:HB3	1:71:B:LEU:HD23	2	0.26	0.15	0.26
(1,426)	1:46:A:PHE:HA	1:49:A:LYS:HD2	2	0.26	0.05	0.26
(1,426)	1:46:A:PHE:HA	1:49:A:LYS:HD3	2	0.26	0.05	0.26
(1,406)	1:44:A:HIS:HA	1:58:A:LEU:HD11	2	0.26	0.12	0.26
(1,406)	1:44:A:HIS:HA	1:58:A:LEU:HD12	2	0.26	0.12	0.26

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,406)	1:44:A:HIS:HA	1:58:A:LEU:HD13	2	0.26	0.12	0.26
(1,406)	1:44:A:HIS:HA	1:58:A:LEU:HD21	2	0.26	0.12	0.26
(1,406)	1:44:A:HIS:HA	1:58:A:LEU:HD22	2	0.26	0.12	0.26
(1,406)	1:44:A:HIS:HA	1:58:A:LEU:HD23	2	0.26	0.12	0.26
(1,745)	1:71:A:LEU:HA	1:74:A:LYS:HB2	2	0.24	0.03	0.24
(1,745)	1:71:A:LEU:HA	1:74:A:LYS:HB3	2	0.24	0.03	0.24
(1,121)	1:16:A:ILE:HB	1:60:B:VAL:HG11	2	0.24	0.0	0.24
(1,121)	1:16:A:ILE:HB	1:60:B:VAL:HG12	2	0.24	0.0	0.24
(1,121)	1:16:A:ILE:HB	1:60:B:VAL:HG13	2	0.24	0.0	0.24
(1,1750)	1:82:B:GLU:HB2	1:85:B:LYS:HD2	2	0.23	0.03	0.23
(1,1750)	1:82:B:GLU:HB2	1:85:B:LYS:HD3	2	0.23	0.03	0.23
(1,1750)	1:82:B:GLU:HB3	1:85:B:LYS:HD2	2	0.23	0.03	0.23
(1,1750)	1:82:B:GLU:HB3	1:85:B:LYS:HD3	2	0.23	0.03	0.23
(1,1110)	1:16:B:ILE:HG21	1:21:B:TYR:HD1	2	0.23	0.01	0.23
(1,1110)	1:16:B:ILE:HG21	1:21:B:TYR:HD2	2	0.23	0.01	0.23
(1,1110)	1:16:B:ILE:HG22	1:21:B:TYR:HD1	2	0.23	0.01	0.23
(1,1110)	1:16:B:ILE:HG22	1:21:B:TYR:HD2	2	0.23	0.01	0.23
(1,1110)	1:16:B:ILE:HG23	1:21:B:TYR:HD1	2	0.23	0.01	0.23
(1,1110)	1:16:B:ILE:HG23	1:21:B:TYR:HD2	2	0.23	0.01	0.23
(1,1120)	1:17:B:TYR:HE1	1:44:B:HIS:HA	2	0.23	0.06	0.23
(1,1120)	1:17:B:TYR:HE2	1:44:B:HIS:HA	2	0.23	0.06	0.23
(1,261)	1:32:A:ILE:HG12	1:33:A:ARG:HA	2	0.22	0.12	0.22
(1,261)	1:32:A:ILE:HG13	1:33:A:ARG:HA	2	0.22	0.12	0.22
(1,976)	1:85:A:LYS:H	1:85:A:LYS:HD2	2	0.22	0.06	0.22
(1,976)	1:85:A:LYS:H	1:85:A:LYS:HD3	2	0.22	0.06	0.22
(1,1025)	1:11:B:ARG:HB2	1:24:B:VAL:HG11	2	0.22	0.07	0.22
(1,1025)	1:11:B:ARG:HB2	1:24:B:VAL:HG12	2	0.22	0.07	0.22
(1,1025)	1:11:B:ARG:HB2	1:24:B:VAL:HG13	2	0.22	0.07	0.22
(1,1025)	1:11:B:ARG:HB2	1:24:B:VAL:HG21	2	0.22	0.07	0.22
(1,1025)	1:11:B:ARG:HB2	1:24:B:VAL:HG22	2	0.22	0.07	0.22
(1,1025)	1:11:B:ARG:HB2	1:24:B:VAL:HG23	2	0.22	0.07	0.22
(1,1025)	1:11:B:ARG:HB3	1:24:B:VAL:HG11	2	0.22	0.07	0.22
(1,1025)	1:11:B:ARG:HB3	1:24:B:VAL:HG12	2	0.22	0.07	0.22
(1,1025)	1:11:B:ARG:HB3	1:24:B:VAL:HG13	2	0.22	0.07	0.22
(1,1025)	1:11:B:ARG:HB3	1:24:B:VAL:HG21	2	0.22	0.07	0.22
(1,1025)	1:11:B:ARG:HB3	1:24:B:VAL:HG22	2	0.22	0.07	0.22
(1,1025)	1:11:B:ARG:HB3	1:24:B:VAL:HG23	2	0.22	0.07	0.22
(1,891)	1:79:A:ARG:H	1:79:A:ARG:HD2	2	0.21	0.05	0.21
(1,891)	1:79:A:ARG:H	1:79:A:ARG:HD3	2	0.21	0.05	0.21
(1,1711)	1:80:B:LEU:HA	1:83:B:GLN:H	2	0.21	0.08	0.21
(1,714)	1:69:A:GLU:HB2	1:70:A:TYR:HD1	2	0.2	0.09	0.2
(1,714)	1:69:A:GLU:HB2	1:70:A:TYR:HD2	2	0.2	0.09	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,714)	1:69:A:GLU:HB3	1:70:A:TYR:HD1	2	0.2	0.09	0.2
(1,714)	1:69:A:GLU:HB3	1:70:A:TYR:HD2	2	0.2	0.09	0.2
(1,442)	1:47:A:SER:HB2	1:58:A:LEU:HD11	2	0.2	0.04	0.2
(1,442)	1:47:A:SER:HB2	1:58:A:LEU:HD12	2	0.2	0.04	0.2
(1,442)	1:47:A:SER:HB2	1:58:A:LEU:HD13	2	0.2	0.04	0.2
(1,442)	1:47:A:SER:HB2	1:58:A:LEU:HD21	2	0.2	0.04	0.2
(1,442)	1:47:A:SER:HB2	1:58:A:LEU:HD22	2	0.2	0.04	0.2
(1,442)	1:47:A:SER:HB2	1:58:A:LEU:HD23	2	0.2	0.04	0.2
(1,442)	1:47:A:SER:HB3	1:58:A:LEU:HD11	2	0.2	0.04	0.2
(1,442)	1:47:A:SER:HB3	1:58:A:LEU:HD12	2	0.2	0.04	0.2
(1,442)	1:47:A:SER:HB3	1:58:A:LEU:HD13	2	0.2	0.04	0.2
(1,442)	1:47:A:SER:HB3	1:58:A:LEU:HD21	2	0.2	0.04	0.2
(1,442)	1:47:A:SER:HB3	1:58:A:LEU:HD22	2	0.2	0.04	0.2
(1,442)	1:47:A:SER:HB3	1:58:A:LEU:HD23	2	0.2	0.04	0.2
(1,567)	1:60:A:VAL:HG11	1:19:B:GLN:HB2	2	0.2	0.09	0.2
(1,567)	1:60:A:VAL:HG11	1:19:B:GLN:HB3	2	0.2	0.09	0.2
(1,567)	1:60:A:VAL:HG12	1:19:B:GLN:HB2	2	0.2	0.09	0.2
(1,567)	1:60:A:VAL:HG12	1:19:B:GLN:HB3	2	0.2	0.09	0.2
(1,567)	1:60:A:VAL:HG13	1:19:B:GLN:HB2	2	0.2	0.09	0.2
(1,567)	1:60:A:VAL:HG13	1:19:B:GLN:HB3	2	0.2	0.09	0.2
(1,567)	1:60:A:VAL:HG21	1:19:B:GLN:HB2	2	0.2	0.09	0.2
(1,567)	1:60:A:VAL:HG21	1:19:B:GLN:HB3	2	0.2	0.09	0.2
(1,567)	1:60:A:VAL:HG22	1:19:B:GLN:HB2	2	0.2	0.09	0.2
(1,567)	1:60:A:VAL:HG22	1:19:B:GLN:HB3	2	0.2	0.09	0.2
(1,567)	1:60:A:VAL:HG23	1:19:B:GLN:HB2	2	0.2	0.09	0.2
(1,567)	1:60:A:VAL:HG23	1:19:B:GLN:HB3	2	0.2	0.09	0.2
(1,1715)	1:80:B:LEU:HD11	1:81:B:ARG:H	2	0.18	0.06	0.18
(1,1715)	1:80:B:LEU:HD12	1:81:B:ARG:H	2	0.18	0.06	0.18
(1,1715)	1:80:B:LEU:HD13	1:81:B:ARG:H	2	0.18	0.06	0.18
(1,830)	1:74:A:LYS:HE2	1:73:B:LEU:HD11	2	0.18	0.04	0.18
(1,830)	1:74:A:LYS:HE2	1:73:B:LEU:HD12	2	0.18	0.04	0.18
(1,830)	1:74:A:LYS:HE2	1:73:B:LEU:HD13	2	0.18	0.04	0.18
(1,830)	1:74:A:LYS:HE2	1:73:B:LEU:HD21	2	0.18	0.04	0.18
(1,830)	1:74:A:LYS:HE2	1:73:B:LEU:HD22	2	0.18	0.04	0.18
(1,830)	1:74:A:LYS:HE2	1:73:B:LEU:HD23	2	0.18	0.04	0.18
(1,830)	1:74:A:LYS:HE3	1:73:B:LEU:HD11	2	0.18	0.04	0.18
(1,830)	1:74:A:LYS:HE3	1:73:B:LEU:HD12	2	0.18	0.04	0.18
(1,830)	1:74:A:LYS:HE3	1:73:B:LEU:HD13	2	0.18	0.04	0.18
(1,830)	1:74:A:LYS:HE3	1:73:B:LEU:HD21	2	0.18	0.04	0.18
(1,830)	1:74:A:LYS:HE3	1:73:B:LEU:HD22	2	0.18	0.04	0.18
(1,830)	1:74:A:LYS:HE3	1:73:B:LEU:HD23	2	0.18	0.04	0.18
(1,758)	1:71:A:LEU:HD11	1:38:B:PHE:HB2	2	0.17	0.06	0.17

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,758)	1:71:A:LEU:HD11	1:38:B:PHE:HB3	2	0.17	0.06	0.17
(1,758)	1:71:A:LEU:HD12	1:38:B:PHE:HB2	2	0.17	0.06	0.17
(1,758)	1:71:A:LEU:HD12	1:38:B:PHE:HB3	2	0.17	0.06	0.17
(1,758)	1:71:A:LEU:HD13	1:38:B:PHE:HB2	2	0.17	0.06	0.17
(1,758)	1:71:A:LEU:HD13	1:38:B:PHE:HB3	2	0.17	0.06	0.17
(1,758)	1:71:A:LEU:HD21	1:38:B:PHE:HB2	2	0.17	0.06	0.17
(1,758)	1:71:A:LEU:HD21	1:38:B:PHE:HB3	2	0.17	0.06	0.17
(1,758)	1:71:A:LEU:HD22	1:38:B:PHE:HB2	2	0.17	0.06	0.17
(1,758)	1:71:A:LEU:HD22	1:38:B:PHE:HB3	2	0.17	0.06	0.17
(1,758)	1:71:A:LEU:HD23	1:38:B:PHE:HB2	2	0.17	0.06	0.17
(1,758)	1:71:A:LEU:HD23	1:38:B:PHE:HB3	2	0.17	0.06	0.17
(1,400)	1:43:A:MET:HB2	1:58:A:LEU:HD11	2	0.16	0.04	0.16
(1,400)	1:43:A:MET:HB2	1:58:A:LEU:HD12	2	0.16	0.04	0.16
(1,400)	1:43:A:MET:HB2	1:58:A:LEU:HD13	2	0.16	0.04	0.16
(1,400)	1:43:A:MET:HB2	1:58:A:LEU:HD21	2	0.16	0.04	0.16
(1,400)	1:43:A:MET:HB2	1:58:A:LEU:HD22	2	0.16	0.04	0.16
(1,400)	1:43:A:MET:HB2	1:58:A:LEU:HD23	2	0.16	0.04	0.16
(1,400)	1:43:A:MET:HB3	1:58:A:LEU:HD11	2	0.16	0.04	0.16
(1,400)	1:43:A:MET:HB3	1:58:A:LEU:HD12	2	0.16	0.04	0.16
(1,400)	1:43:A:MET:HB3	1:58:A:LEU:HD13	2	0.16	0.04	0.16
(1,400)	1:43:A:MET:HB3	1:58:A:LEU:HD21	2	0.16	0.04	0.16
(1,400)	1:43:A:MET:HB3	1:58:A:LEU:HD22	2	0.16	0.04	0.16
(1,400)	1:43:A:MET:HB3	1:58:A:LEU:HD23	2	0.16	0.04	0.16
(1,205)	1:23:A:ILE:HG21	1:24:A:VAL:H	2	0.16	0.02	0.16
(1,205)	1:23:A:ILE:HG22	1:24:A:VAL:H	2	0.16	0.02	0.16
(1,205)	1:23:A:ILE:HG23	1:24:A:VAL:H	2	0.16	0.02	0.16
(1,1643)	1:74:B:LYS:HG2	1:75:B:GLU:HB2	2	0.15	0.03	0.15
(1,1643)	1:74:B:LYS:HG2	1:75:B:GLU:HB3	2	0.15	0.03	0.15
(1,1643)	1:74:B:LYS:HG3	1:75:B:GLU:HB2	2	0.15	0.03	0.15
(1,1643)	1:74:B:LYS:HG3	1:75:B:GLU:HB3	2	0.15	0.03	0.15
(1,1453)	1:60:B:VAL:H	1:60:B:VAL:HB	2	0.14	0.01	0.14
(1,776)	1:72:A:LYS:HA	1:76:A:GLU:H	2	0.14	0.02	0.14
(1,780)	1:73:A:LEU:H	1:73:A:LEU:HG	2	0.14	0.02	0.14
(1,1589)	1:72:B:LYS:HA	1:72:B:LYS:HD2	2	0.14	0.02	0.14
(1,1589)	1:72:B:LYS:HA	1:72:B:LYS:HD3	2	0.14	0.02	0.14
(1,841)	1:75:A:GLU:HA	1:78:A:GLN:H	2	0.13	0.03	0.13
(1,1722)	1:80:B:LEU:HD11	1:82:B:GLU:H	2	0.12	0.01	0.12
(1,1722)	1:80:B:LEU:HD12	1:82:B:GLU:H	2	0.12	0.01	0.12
(1,1722)	1:80:B:LEU:HD13	1:82:B:GLU:H	2	0.12	0.01	0.12
(1,1722)	1:80:B:LEU:HD21	1:82:B:GLU:H	2	0.12	0.01	0.12
(1,1722)	1:80:B:LEU:HD22	1:82:B:GLU:H	2	0.12	0.01	0.12
(1,1722)	1:80:B:LEU:HD23	1:82:B:GLU:H	2	0.12	0.01	0.12

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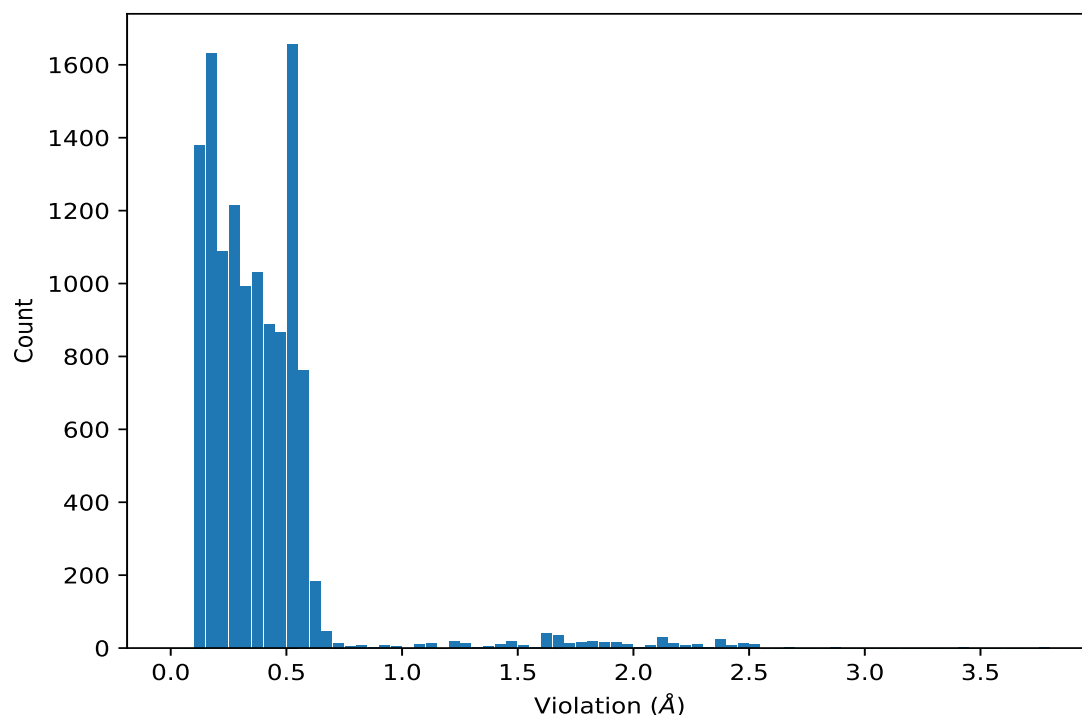
Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1611)	1:73:B:LEU:HD21	1:74:B:LYS:H	2	0.12	0.01	0.12
(1,1611)	1:73:B:LEU:HD22	1:74:B:LYS:H	2	0.12	0.01	0.12
(1,1611)	1:73:B:LEU:HD23	1:74:B:LYS:H	2	0.12	0.01	0.12
(1,91)	1:15:A:ARG:H	1:16:A:ILE:H	2	0.12	0.02	0.12
(1,889)	1:79:A:ARG:H	1:79:A:ARG:HG2	2	0.11	0.01	0.11
(1,889)	1:79:A:ARG:H	1:79:A:ARG:HG3	2	0.11	0.01	0.11
(1,283)	1:34:A:LEU:HB2	1:34:A:LEU:HG	2	0.11	0.0	0.11
(1,283)	1:34:A:LEU:HB3	1:34:A:LEU:HG	2	0.11	0.0	0.11

¹Number of violated models, ²Standard deviation

9.5 All violated distance restraints [i](#)

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

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



9.5.2 Table : All distance violations [i](#)

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

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD21	7	3.78
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD22	7	3.78
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD23	7	3.78
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD21	16	3.42
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD22	16	3.42
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD23	16	3.42
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD21	15	2.89
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD22	15	2.89
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD23	15	2.89
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD21	13	2.66
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD22	13	2.66
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD23	13	2.66
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD11	16	2.5
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD12	16	2.5
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD13	16	2.5
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD11	16	2.5
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD12	16	2.5
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD13	16	2.5
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD11	16	2.5
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD12	16	2.5
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD13	16	2.5
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD11	20	2.49
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD12	20	2.49
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD13	20	2.49
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD11	20	2.49
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD12	20	2.49
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD13	20	2.49
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD11	20	2.49
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD12	20	2.49
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD13	20	2.49
(1,158)	1:19:A:GLN:HG3	1:52:B:MET:HG3	16	2.47
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD21	17	2.45
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD22	17	2.45
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD23	17	2.45
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD21	8	2.43
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD22	8	2.43
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD23	8	2.43
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD21	3	2.42
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD22	3	2.42
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD23	3	2.42
(1,156)	1:19:A:GLN:HB2	1:52:B:MET:HG3	19	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD21	12	2.39
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD22	12	2.39
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD23	12	2.39
(1,914)	1:80:A:LEU:HD21	1:81:B:ARG:HB2	19	2.38
(1,914)	1:80:A:LEU:HD22	1:81:B:ARG:HB2	19	2.38
(1,914)	1:80:A:LEU:HD23	1:81:B:ARG:HB2	19	2.38
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD21	1	2.38
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD22	1	2.38
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD23	1	2.38
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG11	11	2.38
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG12	11	2.38
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG13	11	2.38
(1,914)	1:80:A:LEU:HD21	1:81:B:ARG:HB2	4	2.35
(1,914)	1:80:A:LEU:HD22	1:81:B:ARG:HB2	4	2.35
(1,914)	1:80:A:LEU:HD23	1:81:B:ARG:HB2	4	2.35
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD11	18	2.35
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD12	18	2.35
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD13	18	2.35
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD11	18	2.35
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD12	18	2.35
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD13	18	2.35
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD11	18	2.35
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD12	18	2.35
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD13	18	2.35
(1,158)	1:19:A:GLN:HG3	1:52:B:MET:HG3	2	2.33
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD11	7	2.26
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD12	7	2.26
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD13	7	2.26
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD11	7	2.26
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD12	7	2.26
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD13	7	2.26
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD11	7	2.26
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD12	7	2.26
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD13	7	2.26
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD21	5	2.23
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD22	5	2.23
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD23	5	2.23
(1,158)	1:19:A:GLN:HG3	1:52:B:MET:HG3	6	2.22
(1,914)	1:80:A:LEU:HD21	1:81:B:ARG:HB2	17	2.21
(1,914)	1:80:A:LEU:HD22	1:81:B:ARG:HB2	17	2.21
(1,914)	1:80:A:LEU:HD23	1:81:B:ARG:HB2	17	2.21
(1,661)	1:65:A:GLN:HG3	1:24:B:VAL:HB	9	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD11	17	2.17
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD12	17	2.17
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD13	17	2.17
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD11	17	2.17
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD12	17	2.17
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD13	17	2.17
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD11	17	2.17
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD12	17	2.17
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD13	17	2.17
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG11	2	2.15
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG12	2	2.15
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG13	2	2.15
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD21	2	2.13
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD22	2	2.13
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD23	2	2.13
(1,661)	1:65:A:GLN:HG3	1:24:B:VAL:HB	6	2.13
(1,661)	1:65:A:GLN:HG3	1:24:B:VAL:HB	12	2.13
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD21	4	2.12
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD22	4	2.12
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD23	4	2.12
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD11	12	2.12
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD12	12	2.12
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD13	12	2.12
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD11	12	2.12
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD12	12	2.12
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD13	12	2.12
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD11	12	2.12
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD12	12	2.12
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD13	12	2.12
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD11	10	2.11
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD12	10	2.11
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD13	10	2.11
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD11	10	2.11
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD12	10	2.11
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD13	10	2.11
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD11	10	2.11
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD12	10	2.11
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD13	10	2.11
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD21	10	2.1
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD22	10	2.1
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD23	10	2.1
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG11	10	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG12	10	2.09
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG13	10	2.09
(1,914)	1:80:A:LEU:HD21	1:81:B:ARG:HB2	14	2.05
(1,914)	1:80:A:LEU:HD22	1:81:B:ARG:HB2	14	2.05
(1,914)	1:80:A:LEU:HD23	1:81:B:ARG:HB2	14	2.05
(1,156)	1:19:A:GLN:HB2	1:52:B:MET:HG3	16	2.04
(1,158)	1:19:A:GLN:HG3	1:52:B:MET:HG3	14	2.01
(1,661)	1:65:A:GLN:HG3	1:24:B:VAL:HB	3	1.99
(1,661)	1:65:A:GLN:HG3	1:24:B:VAL:HB	17	1.99
(1,156)	1:19:A:GLN:HB2	1:52:B:MET:HG3	13	1.99
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD21	20	1.98
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD22	20	1.98
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD23	20	1.98
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG11	4	1.97
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG12	4	1.97
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG13	4	1.97
(1,156)	1:19:A:GLN:HB2	1:52:B:MET:HG3	3	1.97
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD11	6	1.94
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD12	6	1.94
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD13	6	1.94
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD11	6	1.94
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD12	6	1.94
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD13	6	1.94
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD11	6	1.94
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD12	6	1.94
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD13	6	1.94
(1,158)	1:19:A:GLN:HG3	1:52:B:MET:HG3	18	1.94
(1,158)	1:19:A:GLN:HG3	1:52:B:MET:HG3	13	1.93
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD21	14	1.92
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD22	14	1.92
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD23	14	1.92
(1,156)	1:19:A:GLN:HB2	1:52:B:MET:HG3	18	1.92
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD11	15	1.88
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD12	15	1.88
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD13	15	1.88
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD11	15	1.88
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD12	15	1.88
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD13	15	1.88
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD11	15	1.88
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD12	15	1.88
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD13	15	1.88
(1,914)	1:80:A:LEU:HD21	1:81:B:ARG:HB2	3	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,914)	1:80:A:LEU:HD22	1:81:B:ARG:HB2	3	1.86
(1,914)	1:80:A:LEU:HD23	1:81:B:ARG:HB2	3	1.86
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD21	18	1.86
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD22	18	1.86
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD23	18	1.86
(1,158)	1:19:A:GLN:HG3	1:52:B:MET:HG3	4	1.83
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG11	13	1.82
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG12	13	1.82
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG13	13	1.82
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG11	18	1.81
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG12	18	1.81
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG13	18	1.81
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD21	6	1.8
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD22	6	1.8
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD23	6	1.8
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD11	8	1.8
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD12	8	1.8
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD13	8	1.8
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD11	8	1.8
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD12	8	1.8
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD13	8	1.8
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD11	8	1.8
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD12	8	1.8
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD13	8	1.8
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD11	1	1.78
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD12	1	1.78
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD13	1	1.78
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD11	1	1.78
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD12	1	1.78
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD13	1	1.78
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD11	1	1.78
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD12	1	1.78
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD13	1	1.78
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG11	15	1.78
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG12	15	1.78
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG13	15	1.78
(1,213)	1:24:A:VAL:HB	1:65:B:GLN:HG2	14	1.78
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG11	3	1.75
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG12	3	1.75
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG13	3	1.75
(1,213)	1:24:A:VAL:HB	1:65:B:GLN:HG2	4	1.74
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD21	11	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD22	11	1.73
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD23	11	1.73
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD11	2	1.7
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD12	2	1.7
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD13	2	1.7
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD11	2	1.7
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD12	2	1.7
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD13	2	1.7
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD11	2	1.7
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD12	2	1.7
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD13	2	1.7
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD11	4	1.68
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD12	4	1.68
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD13	4	1.68
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD11	4	1.68
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD12	4	1.68
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD13	4	1.68
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD11	4	1.68
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD12	4	1.68
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD13	4	1.68
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD11	13	1.68
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD12	13	1.68
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD13	13	1.68
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD11	13	1.68
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD12	13	1.68
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD13	13	1.68
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD11	13	1.68
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD12	13	1.68
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD13	13	1.68
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG11	14	1.67
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG12	14	1.67
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG13	14	1.67
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG11	16	1.67
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG12	16	1.67
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG13	16	1.67
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD11	14	1.66
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD12	14	1.66
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD13	14	1.66
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD11	14	1.66
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD12	14	1.66
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD13	14	1.66
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD11	14	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD12	14	1.66
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD13	14	1.66
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG11	19	1.65
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG12	19	1.65
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG13	19	1.65
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG11	20	1.64
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG12	20	1.64
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG13	20	1.64
(1,914)	1:80:A:LEU:HD21	1:81:B:ARG:HB2	6	1.63
(1,914)	1:80:A:LEU:HD22	1:81:B:ARG:HB2	6	1.63
(1,914)	1:80:A:LEU:HD23	1:81:B:ARG:HB2	6	1.63
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD11	9	1.62
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD12	9	1.62
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD13	9	1.62
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD11	9	1.62
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD12	9	1.62
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD13	9	1.62
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD11	9	1.62
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD12	9	1.62
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD13	9	1.62
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD11	11	1.62
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD12	11	1.62
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD13	11	1.62
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD11	11	1.62
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD12	11	1.62
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD13	11	1.62
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD11	11	1.62
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD12	11	1.62
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD13	11	1.62
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG11	5	1.62
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG12	5	1.62
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG13	5	1.62
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG11	6	1.62
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG12	6	1.62
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG13	6	1.62
(1,286)	1:34:A:LEU:HD21	1:71:B:LEU:HD11	16	1.61
(1,286)	1:34:A:LEU:HD21	1:71:B:LEU:HD12	16	1.61
(1,286)	1:34:A:LEU:HD21	1:71:B:LEU:HD13	16	1.61
(1,286)	1:34:A:LEU:HD22	1:71:B:LEU:HD11	16	1.61
(1,286)	1:34:A:LEU:HD22	1:71:B:LEU:HD12	16	1.61
(1,286)	1:34:A:LEU:HD22	1:71:B:LEU:HD13	16	1.61
(1,286)	1:34:A:LEU:HD23	1:71:B:LEU:HD11	16	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,286)	1:34:A:LEU:HD23	1:71:B:LEU:HD12	16	1.61
(1,286)	1:34:A:LEU:HD23	1:71:B:LEU:HD13	16	1.61
(1,156)	1:19:A:GLN:HB2	1:52:B:MET:HG3	5	1.59
(1,158)	1:19:A:GLN:HG3	1:52:B:MET:HG3	1	1.54
(1,661)	1:65:A:GLN:HG3	1:24:B:VAL:HB	10	1.53
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG11	1	1.53
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG12	1	1.53
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG13	1	1.53
(1,914)	1:80:A:LEU:HD21	1:81:B:ARG:HB2	16	1.5
(1,914)	1:80:A:LEU:HD22	1:81:B:ARG:HB2	16	1.5
(1,914)	1:80:A:LEU:HD23	1:81:B:ARG:HB2	16	1.5
(1,914)	1:80:A:LEU:HD21	1:81:B:ARG:HB2	12	1.49
(1,914)	1:80:A:LEU:HD22	1:81:B:ARG:HB2	12	1.49
(1,914)	1:80:A:LEU:HD23	1:81:B:ARG:HB2	12	1.49
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD11	5	1.49
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD12	5	1.49
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD13	5	1.49
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD11	5	1.49
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD12	5	1.49
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD13	5	1.49
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD11	5	1.49
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD12	5	1.49
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD13	5	1.49
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG11	7	1.49
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG12	7	1.49
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG13	7	1.49
(1,914)	1:80:A:LEU:HD21	1:81:B:ARG:HB2	9	1.48
(1,914)	1:80:A:LEU:HD22	1:81:B:ARG:HB2	9	1.48
(1,914)	1:80:A:LEU:HD23	1:81:B:ARG:HB2	9	1.48
(1,661)	1:65:A:GLN:HG3	1:24:B:VAL:HB	20	1.48
(1,914)	1:80:A:LEU:HD21	1:81:B:ARG:HB2	1	1.44
(1,914)	1:80:A:LEU:HD22	1:81:B:ARG:HB2	1	1.44
(1,914)	1:80:A:LEU:HD23	1:81:B:ARG:HB2	1	1.44
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD21	9	1.44
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD22	9	1.44
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD23	9	1.44
(1,914)	1:80:A:LEU:HD21	1:81:B:ARG:HB2	13	1.41
(1,914)	1:80:A:LEU:HD22	1:81:B:ARG:HB2	13	1.41
(1,914)	1:80:A:LEU:HD23	1:81:B:ARG:HB2	13	1.41
(1,914)	1:80:A:LEU:HD21	1:81:B:ARG:HB2	2	1.39
(1,914)	1:80:A:LEU:HD22	1:81:B:ARG:HB2	2	1.39
(1,914)	1:80:A:LEU:HD23	1:81:B:ARG:HB2	2	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,156)	1:19:A:GLN:HB2	1:52:B:MET:HG3	8	1.37
(1,213)	1:24:A:VAL:HB	1:65:B:GLN:HG2	18	1.35
(1,156)	1:19:A:GLN:HB2	1:52:B:MET:HG3	7	1.32
(1,914)	1:80:A:LEU:HD21	1:81:B:ARG:HB2	7	1.28
(1,914)	1:80:A:LEU:HD22	1:81:B:ARG:HB2	7	1.28
(1,914)	1:80:A:LEU:HD23	1:81:B:ARG:HB2	7	1.28
(1,158)	1:19:A:GLN:HG3	1:52:B:MET:HG3	19	1.28
(1,914)	1:80:A:LEU:HD21	1:81:B:ARG:HB2	20	1.27
(1,914)	1:80:A:LEU:HD22	1:81:B:ARG:HB2	20	1.27
(1,914)	1:80:A:LEU:HD23	1:81:B:ARG:HB2	20	1.27
(1,661)	1:65:A:GLN:HG3	1:24:B:VAL:HB	4	1.27
(1,914)	1:80:A:LEU:HD21	1:81:B:ARG:HB2	18	1.26
(1,914)	1:80:A:LEU:HD22	1:81:B:ARG:HB2	18	1.26
(1,914)	1:80:A:LEU:HD23	1:81:B:ARG:HB2	18	1.26
(1,156)	1:19:A:GLN:HB2	1:52:B:MET:HG3	1	1.25
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD11	19	1.24
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD12	19	1.24
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD13	19	1.24
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD11	19	1.24
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD12	19	1.24
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD13	19	1.24
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD11	19	1.24
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD12	19	1.24
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD13	19	1.24
(1,914)	1:80:A:LEU:HD21	1:81:B:ARG:HB2	11	1.22
(1,914)	1:80:A:LEU:HD22	1:81:B:ARG:HB2	11	1.22
(1,914)	1:80:A:LEU:HD23	1:81:B:ARG:HB2	11	1.22
(1,156)	1:19:A:GLN:HB2	1:52:B:MET:HG3	17	1.22
(1,914)	1:80:A:LEU:HD21	1:81:B:ARG:HB2	8	1.21
(1,914)	1:80:A:LEU:HD22	1:81:B:ARG:HB2	8	1.21
(1,914)	1:80:A:LEU:HD23	1:81:B:ARG:HB2	8	1.21
(1,156)	1:19:A:GLN:HB2	1:52:B:MET:HG3	2	1.2
(1,914)	1:80:A:LEU:HD21	1:81:B:ARG:HB2	15	1.13
(1,914)	1:80:A:LEU:HD22	1:81:B:ARG:HB2	15	1.13
(1,914)	1:80:A:LEU:HD23	1:81:B:ARG:HB2	15	1.13
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD21	19	1.1
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD22	19	1.1
(1,751)	1:71:A:LEU:HB2	1:34:B:LEU:HD23	19	1.1
(1,178)	1:21:A:TYR:HD1	1:61:B:LEU:HD21	16	1.1
(1,178)	1:21:A:TYR:HD1	1:61:B:LEU:HD22	16	1.1
(1,178)	1:21:A:TYR:HD1	1:61:B:LEU:HD23	16	1.1
(1,178)	1:21:A:TYR:HD2	1:61:B:LEU:HD21	16	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,178)	1:21:A:TYR:HD2	1:61:B:LEU:HD22	16	1.1
(1,178)	1:21:A:TYR:HD2	1:61:B:LEU:HD23	16	1.1
(1,661)	1:65:A:GLN:HG3	1:24:B:VAL:HB	1	1.09
(1,213)	1:24:A:VAL:HB	1:65:B:GLN:HG2	2	1.09
(1,661)	1:65:A:GLN:HG3	1:24:B:VAL:HB	2	1.08
(1,524)	1:57:A:LYS:HD2	1:19:B:GLN:HB3	4	1.07
(1,524)	1:57:A:LYS:HD3	1:19:B:GLN:HB3	4	1.07
(1,213)	1:24:A:VAL:HB	1:65:B:GLN:HG2	16	1.07
(1,914)	1:80:A:LEU:HD21	1:81:B:ARG:HB2	5	1.06
(1,914)	1:80:A:LEU:HD22	1:81:B:ARG:HB2	5	1.06
(1,914)	1:80:A:LEU:HD23	1:81:B:ARG:HB2	5	1.06
(1,661)	1:65:A:GLN:HG3	1:24:B:VAL:HB	13	0.98
(1,914)	1:80:A:LEU:HD21	1:81:B:ARG:HB2	10	0.95
(1,914)	1:80:A:LEU:HD22	1:81:B:ARG:HB2	10	0.95
(1,914)	1:80:A:LEU:HD23	1:81:B:ARG:HB2	10	0.95
(1,661)	1:65:A:GLN:HG3	1:24:B:VAL:HB	5	0.94
(1,661)	1:65:A:GLN:HG3	1:24:B:VAL:HB	16	0.94
(1,158)	1:19:A:GLN:HG3	1:52:B:MET:HG3	7	0.94
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG11	12	0.91
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG12	12	0.91
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG13	12	0.91
(1,661)	1:65:A:GLN:HG3	1:24:B:VAL:HB	8	0.9
(1,156)	1:19:A:GLN:HB2	1:52:B:MET:HG3	11	0.88
(1,156)	1:19:A:GLN:HB2	1:52:B:MET:HG3	10	0.86
(1,213)	1:24:A:VAL:HB	1:65:B:GLN:HG2	10	0.84
(1,524)	1:57:A:LYS:HD2	1:19:B:GLN:HB3	1	0.82
(1,524)	1:57:A:LYS:HD3	1:19:B:GLN:HB3	1	0.82
(1,156)	1:19:A:GLN:HB2	1:52:B:MET:HG3	15	0.82
(1,156)	1:19:A:GLN:HB2	1:52:B:MET:HG3	4	0.81
(1,156)	1:19:A:GLN:HB2	1:52:B:MET:HG3	6	0.81
(1,661)	1:65:A:GLN:HG3	1:24:B:VAL:HB	18	0.76
(1,661)	1:65:A:GLN:HG3	1:24:B:VAL:HB	15	0.75
(1,524)	1:57:A:LYS:HD2	1:19:B:GLN:HB3	14	0.75
(1,524)	1:57:A:LYS:HD3	1:19:B:GLN:HB3	14	0.75
(1,1576)	1:71:B:LEU:HA	1:74:B:LYS:HE2	15	0.71
(1,1576)	1:71:B:LEU:HA	1:74:B:LYS:HE3	15	0.71
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG11	8	0.71
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG12	8	0.71
(1,347)	1:39:A:VAL:HB	1:60:B:VAL:HG13	8	0.71
(1,286)	1:34:A:LEU:HD21	1:71:B:LEU:HD11	3	0.7
(1,286)	1:34:A:LEU:HD21	1:71:B:LEU:HD12	3	0.7
(1,286)	1:34:A:LEU:HD21	1:71:B:LEU:HD13	3	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,286)	1:34:A:LEU:HD22	1:71:B:LEU:HD11	3	0.7
(1,286)	1:34:A:LEU:HD22	1:71:B:LEU:HD12	3	0.7
(1,286)	1:34:A:LEU:HD22	1:71:B:LEU:HD13	3	0.7
(1,286)	1:34:A:LEU:HD23	1:71:B:LEU:HD11	3	0.7
(1,286)	1:34:A:LEU:HD23	1:71:B:LEU:HD12	3	0.7
(1,286)	1:34:A:LEU:HD23	1:71:B:LEU:HD13	3	0.7
(1,937)	1:81:A:ARG:HG2	1:80:B:LEU:HD11	19	0.69
(1,937)	1:81:A:ARG:HG2	1:80:B:LEU:HD12	19	0.69
(1,937)	1:81:A:ARG:HG2	1:80:B:LEU:HD13	19	0.69
(1,524)	1:57:A:LYS:HD2	1:19:B:GLN:HB3	13	0.69
(1,524)	1:57:A:LYS:HD3	1:19:B:GLN:HB3	13	0.69
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD11	18	0.67
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD12	18	0.67
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD13	18	0.67
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD21	18	0.67
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD22	18	0.67
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD23	18	0.67
(1,973)	1:84:A:LEU:HD11	1:85:A:LYS:H	4	0.66
(1,973)	1:84:A:LEU:HD12	1:85:A:LYS:H	4	0.66
(1,973)	1:84:A:LEU:HD13	1:85:A:LYS:H	4	0.66
(1,973)	1:84:A:LEU:HD21	1:85:A:LYS:H	4	0.66
(1,973)	1:84:A:LEU:HD22	1:85:A:LYS:H	4	0.66
(1,973)	1:84:A:LEU:HD23	1:85:A:LYS:H	4	0.66
(1,937)	1:81:A:ARG:HG2	1:80:B:LEU:HD11	10	0.66
(1,937)	1:81:A:ARG:HG2	1:80:B:LEU:HD12	10	0.66
(1,937)	1:81:A:ARG:HG2	1:80:B:LEU:HD13	10	0.66
(1,1576)	1:71:B:LEU:HA	1:74:B:LYS:HE2	5	0.65
(1,1576)	1:71:B:LEU:HA	1:74:B:LYS:HE3	5	0.65
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD11	5	0.65
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD12	5	0.65
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD13	5	0.65
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD21	5	0.65
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD22	5	0.65
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD23	5	0.65
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD11	9	0.65
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD12	9	0.65
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD13	9	0.65
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD21	9	0.65
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD22	9	0.65
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD23	9	0.65
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD11	10	0.65
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD12	10	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD13	10	0.65
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD21	10	0.65
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD22	10	0.65
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD23	10	0.65
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD11	20	0.65
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD12	20	0.65
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD13	20	0.65
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD21	20	0.65
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD22	20	0.65
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD23	20	0.65
(1,1215)	1:32:B:ILE:HA	1:36:B:ALA:H	5	0.64
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD11	2	0.64
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD12	2	0.64
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD13	2	0.64
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD21	2	0.64
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD22	2	0.64
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD23	2	0.64
(1,873)	1:77:A:TYR:HE1	1:76:B:GLU:HG2	13	0.64
(1,873)	1:77:A:TYR:HE1	1:76:B:GLU:HG3	13	0.64
(1,873)	1:77:A:TYR:HE2	1:76:B:GLU:HG2	13	0.64
(1,873)	1:77:A:TYR:HE2	1:76:B:GLU:HG3	13	0.64
(1,665)	1:65:A:GLN:HG2	1:23:B:ILE:HD11	14	0.64
(1,665)	1:65:A:GLN:HG2	1:23:B:ILE:HD12	14	0.64
(1,665)	1:65:A:GLN:HG2	1:23:B:ILE:HD13	14	0.64
(1,665)	1:65:A:GLN:HG3	1:23:B:ILE:HD11	14	0.64
(1,665)	1:65:A:GLN:HG3	1:23:B:ILE:HD12	14	0.64
(1,665)	1:65:A:GLN:HG3	1:23:B:ILE:HD13	14	0.64
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD11	17	0.63
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD12	17	0.63
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD13	17	0.63
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD21	17	0.63
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD22	17	0.63
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD23	17	0.63
(1,1178)	1:27:B:GLU:H	1:27:B:GLU:HG2	2	0.63
(1,1178)	1:27:B:GLU:H	1:27:B:GLU:HG3	2	0.63
(1,973)	1:84:A:LEU:HD11	1:85:A:LYS:H	20	0.63
(1,973)	1:84:A:LEU:HD12	1:85:A:LYS:H	20	0.63
(1,973)	1:84:A:LEU:HD13	1:85:A:LYS:H	20	0.63
(1,973)	1:84:A:LEU:HD21	1:85:A:LYS:H	20	0.63
(1,973)	1:84:A:LEU:HD22	1:85:A:LYS:H	20	0.63
(1,973)	1:84:A:LEU:HD23	1:85:A:LYS:H	20	0.63
(1,765)	1:72:A:LYS:H	1:27:B:GLU:HB2	5	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,765)	1:72:A:LYS:H	1:27:B:GLU:HB3	5	0.63
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD11	4	0.63
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD12	4	0.63
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD13	4	0.63
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD21	4	0.63
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD22	4	0.63
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD23	4	0.63
(1,1215)	1:32:B:ILE:HA	1:36:B:ALA:H	4	0.62
(1,1004)	1:10:B:THR:H	1:26:B:ALA:HA	12	0.62
(1,982)	1:8:B:PRO:HA	1:9:B:LYS:HG2	3	0.62
(1,982)	1:8:B:PRO:HA	1:9:B:LYS:HG3	3	0.62
(1,433)	1:46:A:PHE:HD1	1:62:A:THR:HB	4	0.62
(1,433)	1:46:A:PHE:HD2	1:62:A:THR:HB	4	0.62
(1,258)	1:32:A:ILE:HA	1:36:A:ALA:H	10	0.62
(1,178)	1:21:A:TYR:HD1	1:61:B:LEU:HD21	12	0.62
(1,178)	1:21:A:TYR:HD1	1:61:B:LEU:HD22	12	0.62
(1,178)	1:21:A:TYR:HD1	1:61:B:LEU:HD23	12	0.62
(1,178)	1:21:A:TYR:HD2	1:61:B:LEU:HD21	12	0.62
(1,178)	1:21:A:TYR:HD2	1:61:B:LEU:HD22	12	0.62
(1,178)	1:21:A:TYR:HD2	1:61:B:LEU:HD23	12	0.62
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB1	17	0.61
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB2	17	0.61
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB3	17	0.61
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB1	17	0.61
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB2	17	0.61
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB3	17	0.61
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB1	17	0.61
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB2	17	0.61
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB3	17	0.61
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB1	17	0.61
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB2	17	0.61
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB3	17	0.61
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB1	17	0.61
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB2	17	0.61
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB3	17	0.61
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB1	17	0.61
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB2	17	0.61
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB3	17	0.61
(1,1215)	1:32:B:ILE:HA	1:36:B:ALA:H	9	0.61
(1,1215)	1:32:B:ILE:HA	1:36:B:ALA:H	18	0.61
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	10	0.61
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	10	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD11	8	0.61
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD12	8	0.61
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD13	8	0.61
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD21	8	0.61
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD22	8	0.61
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD23	8	0.61
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD11	13	0.61
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD12	13	0.61
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD13	13	0.61
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD21	13	0.61
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD22	13	0.61
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD23	13	0.61
(1,437)	1:47:A:SER:H	1:58:A:LEU:HG	7	0.61
(1,394)	1:43:A:MET:H	1:62:A:THR:HB	3	0.61
(1,258)	1:32:A:ILE:HA	1:36:A:ALA:H	15	0.61
(1,176)	1:21:A:TYR:HD1	1:52:B:MET:HG2	18	0.61
(1,176)	1:21:A:TYR:HD1	1:52:B:MET:HG3	18	0.61
(1,176)	1:21:A:TYR:HD2	1:52:B:MET:HG2	18	0.61
(1,176)	1:21:A:TYR:HD2	1:52:B:MET:HG3	18	0.61
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD11	7	0.61
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD12	7	0.61
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD13	7	0.61
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD11	7	0.61
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD12	7	0.61
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD13	7	0.61
(1,158)	1:19:A:GLN:HG3	1:52:B:MET:HG3	12	0.61
(1,1769)	1:84:B:LEU:HD11	1:85:B:LYS:H	12	0.6
(1,1769)	1:84:B:LEU:HD12	1:85:B:LYS:H	12	0.6
(1,1769)	1:84:B:LEU:HD13	1:85:B:LYS:H	12	0.6
(1,1769)	1:84:B:LEU:HD21	1:85:B:LYS:H	12	0.6
(1,1769)	1:84:B:LEU:HD22	1:85:B:LYS:H	12	0.6
(1,1769)	1:84:B:LEU:HD23	1:85:B:LYS:H	12	0.6
(1,1400)	1:51:B:PRO:HG2	1:52:B:MET:HG2	18	0.6
(1,1400)	1:51:B:PRO:HG2	1:52:B:MET:HG3	18	0.6
(1,1400)	1:51:B:PRO:HG3	1:52:B:MET:HG2	18	0.6
(1,1400)	1:51:B:PRO:HG3	1:52:B:MET:HG3	18	0.6
(1,1358)	1:46:B:PHE:HD1	1:62:B:THR:HB	4	0.6
(1,1358)	1:46:B:PHE:HD2	1:62:B:THR:HB	4	0.6
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD11	7	0.6
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD12	7	0.6
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD13	7	0.6
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD11	7	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD12	7	0.6
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD13	7	0.6
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD11	8	0.6
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD12	8	0.6
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD13	8	0.6
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD11	8	0.6
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD12	8	0.6
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD13	8	0.6
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD11	12	0.6
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD12	12	0.6
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD13	12	0.6
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD11	12	0.6
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD12	12	0.6
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD13	12	0.6
(1,973)	1:84:A:LEU:HD11	1:85:A:LYS:H	5	0.6
(1,973)	1:84:A:LEU:HD12	1:85:A:LYS:H	5	0.6
(1,973)	1:84:A:LEU:HD13	1:85:A:LYS:H	5	0.6
(1,973)	1:84:A:LEU:HD21	1:85:A:LYS:H	5	0.6
(1,973)	1:84:A:LEU:HD22	1:85:A:LYS:H	5	0.6
(1,973)	1:84:A:LEU:HD23	1:85:A:LYS:H	5	0.6
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	5	0.6
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	5	0.6
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD11	1	0.6
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD12	1	0.6
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD13	1	0.6
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD21	1	0.6
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD22	1	0.6
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD23	1	0.6
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD11	11	0.6
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD12	11	0.6
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD13	11	0.6
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD21	11	0.6
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD22	11	0.6
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD23	11	0.6
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD11	3	0.6
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD12	3	0.6
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD13	3	0.6
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD21	3	0.6
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD22	3	0.6
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD23	3	0.6
(1,437)	1:47:A:SER:H	1:58:A:LEU:HG	3	0.6
(1,433)	1:46:A:PHE:HD1	1:62:A:THR:HB	1	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,433)	1:46:A:PHE:HD2	1:62:A:THR:HB	1	0.6
(1,433)	1:46:A:PHE:HD1	1:62:A:THR:HB	8	0.6
(1,433)	1:46:A:PHE:HD2	1:62:A:THR:HB	8	0.6
(1,433)	1:46:A:PHE:HD1	1:62:A:THR:HB	12	0.6
(1,433)	1:46:A:PHE:HD2	1:62:A:THR:HB	12	0.6
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD11	3	0.6
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD12	3	0.6
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD13	3	0.6
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD21	3	0.6
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD22	3	0.6
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD23	3	0.6
(1,386)	1:42:A:LYS:HD2	1:66:A:ILE:H	12	0.6
(1,386)	1:42:A:LYS:HD3	1:66:A:ILE:H	12	0.6
(1,258)	1:32:A:ILE:HA	1:36:A:ALA:H	4	0.6
(1,258)	1:32:A:ILE:HA	1:36:A:ALA:H	14	0.6
(1,258)	1:32:A:ILE:HA	1:36:A:ALA:H	17	0.6
(1,224)	1:27:A:GLU:HB2	1:72:B:LYS:H	20	0.6
(1,224)	1:27:A:GLU:HB3	1:72:B:LYS:H	20	0.6
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD11	2	0.6
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD12	2	0.6
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD13	2	0.6
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD11	2	0.6
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD12	2	0.6
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD13	2	0.6
(1,1769)	1:84:B:LEU:HD11	1:85:B:LYS:H	11	0.59
(1,1769)	1:84:B:LEU:HD12	1:85:B:LYS:H	11	0.59
(1,1769)	1:84:B:LEU:HD13	1:85:B:LYS:H	11	0.59
(1,1769)	1:84:B:LEU:HD21	1:85:B:LYS:H	11	0.59
(1,1769)	1:84:B:LEU:HD22	1:85:B:LYS:H	11	0.59
(1,1769)	1:84:B:LEU:HD23	1:85:B:LYS:H	11	0.59
(1,1762)	1:83:B:GLN:HG2	1:84:B:LEU:HD11	2	0.59
(1,1762)	1:83:B:GLN:HG2	1:84:B:LEU:HD12	2	0.59
(1,1762)	1:83:B:GLN:HG2	1:84:B:LEU:HD13	2	0.59
(1,1762)	1:83:B:GLN:HG2	1:84:B:LEU:HD21	2	0.59
(1,1762)	1:83:B:GLN:HG2	1:84:B:LEU:HD22	2	0.59
(1,1762)	1:83:B:GLN:HG2	1:84:B:LEU:HD23	2	0.59
(1,1762)	1:83:B:GLN:HG3	1:84:B:LEU:HD11	2	0.59
(1,1762)	1:83:B:GLN:HG3	1:84:B:LEU:HD12	2	0.59
(1,1762)	1:83:B:GLN:HG3	1:84:B:LEU:HD13	2	0.59
(1,1762)	1:83:B:GLN:HG3	1:84:B:LEU:HD21	2	0.59
(1,1762)	1:83:B:GLN:HG3	1:84:B:LEU:HD22	2	0.59
(1,1762)	1:83:B:GLN:HG3	1:84:B:LEU:HD23	2	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1576)	1:71:B:LEU:HA	1:74:B:LYS:HE2	1	0.59
(1,1576)	1:71:B:LEU:HA	1:74:B:LYS:HE3	1	0.59
(1,1549)	1:69:B:GLU:H	1:72:B:LYS:HG2	20	0.59
(1,1549)	1:69:B:GLU:H	1:72:B:LYS:HG3	20	0.59
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD11	19	0.59
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD12	19	0.59
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD13	19	0.59
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD21	19	0.59
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD22	19	0.59
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD23	19	0.59
(1,1358)	1:46:B:PHE:HD1	1:62:B:THR:HB	12	0.59
(1,1358)	1:46:B:PHE:HD2	1:62:B:THR:HB	12	0.59
(1,1324)	1:43:B:MET:HB2	1:58:B:LEU:HG	13	0.59
(1,1324)	1:43:B:MET:HB3	1:58:B:LEU:HG	13	0.59
(1,1311)	1:42:B:LYS:HD2	1:66:B:ILE:H	12	0.59
(1,1311)	1:42:B:LYS:HD3	1:66:B:ILE:H	12	0.59
(1,1215)	1:32:B:ILE:HA	1:36:B:ALA:H	17	0.59
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD11	11	0.59
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD12	11	0.59
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD13	11	0.59
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD11	11	0.59
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD12	11	0.59
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD13	11	0.59
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	2	0.59
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	2	0.59
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD11	12	0.59
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD12	12	0.59
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD13	12	0.59
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD21	12	0.59
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD22	12	0.59
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD23	12	0.59
(1,873)	1:77:A:TYR:HE1	1:76:B:GLU:HG2	9	0.59
(1,873)	1:77:A:TYR:HE1	1:76:B:GLU:HG3	9	0.59
(1,873)	1:77:A:TYR:HE2	1:76:B:GLU:HG2	9	0.59
(1,873)	1:77:A:TYR:HE2	1:76:B:GLU:HG3	9	0.59
(1,661)	1:65:A:GLN:HG3	1:24:B:VAL:HB	11	0.59
(1,437)	1:47:A:SER:H	1:58:A:LEU:HG	9	0.59
(1,386)	1:42:A:LYS:HD2	1:66:A:ILE:H	3	0.59
(1,386)	1:42:A:LYS:HD3	1:66:A:ILE:H	3	0.59
(1,301)	1:35:A:VAL:HG11	1:71:B:LEU:HD11	6	0.59
(1,301)	1:35:A:VAL:HG11	1:71:B:LEU:HD12	6	0.59
(1,301)	1:35:A:VAL:HG11	1:71:B:LEU:HD13	6	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,301)	1:35:A:VAL:HG12	1:71:B:LEU:HD11	6	0.59
(1,301)	1:35:A:VAL:HG12	1:71:B:LEU:HD12	6	0.59
(1,301)	1:35:A:VAL:HG12	1:71:B:LEU:HD13	6	0.59
(1,301)	1:35:A:VAL:HG13	1:71:B:LEU:HD11	6	0.59
(1,301)	1:35:A:VAL:HG13	1:71:B:LEU:HD12	6	0.59
(1,301)	1:35:A:VAL:HG13	1:71:B:LEU:HD13	6	0.59
(1,257)	1:32:A:ILE:HA	1:35:A:VAL:HB	19	0.59
(1,200)	1:23:A:ILE:HD11	1:65:B:GLN:HG2	19	0.59
(1,200)	1:23:A:ILE:HD11	1:65:B:GLN:HG3	19	0.59
(1,200)	1:23:A:ILE:HD12	1:65:B:GLN:HG2	19	0.59
(1,200)	1:23:A:ILE:HD12	1:65:B:GLN:HG3	19	0.59
(1,200)	1:23:A:ILE:HD13	1:65:B:GLN:HG2	19	0.59
(1,200)	1:23:A:ILE:HD13	1:65:B:GLN:HG3	19	0.59
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD11	5	0.59
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD12	5	0.59
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD13	5	0.59
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD11	5	0.59
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD12	5	0.59
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD13	5	0.59
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD11	14	0.59
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD12	14	0.59
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD13	14	0.59
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD11	14	0.59
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD12	14	0.59
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD13	14	0.59
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD11	18	0.59
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD12	18	0.59
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD13	18	0.59
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD11	18	0.59
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD12	18	0.59
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD13	18	0.59
(1,62)	1:12:A:VAL:HG11	1:32:A:ILE:H	20	0.59
(1,62)	1:12:A:VAL:HG12	1:32:A:ILE:H	20	0.59
(1,62)	1:12:A:VAL:HG13	1:32:A:ILE:H	20	0.59
(1,62)	1:12:A:VAL:HG21	1:32:A:ILE:H	20	0.59
(1,62)	1:12:A:VAL:HG22	1:32:A:ILE:H	20	0.59
(1,62)	1:12:A:VAL:HG23	1:32:A:ILE:H	20	0.59
(1,23)	1:10:A:THR:H	1:26:A:ALA:HA	12	0.59
(1,1654)	1:75:B:GLU:HG2	1:76:B:GLU:HA	1	0.58
(1,1654)	1:75:B:GLU:HG3	1:76:B:GLU:HA	1	0.58
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD11	3	0.58
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD12	3	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD13	3	0.58
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD21	3	0.58
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD22	3	0.58
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD23	3	0.58
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD11	10	0.58
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD12	10	0.58
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD13	10	0.58
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD21	10	0.58
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD22	10	0.58
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD23	10	0.58
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD11	20	0.58
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD12	20	0.58
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD13	20	0.58
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD21	20	0.58
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD22	20	0.58
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD23	20	0.58
(1,1358)	1:46:B:PHE:HD1	1:62:B:THR:HB	2	0.58
(1,1358)	1:46:B:PHE:HD2	1:62:B:THR:HB	2	0.58
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD11	2	0.58
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD12	2	0.58
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD13	2	0.58
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD21	2	0.58
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD22	2	0.58
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD23	2	0.58
(1,1259)	1:36:B:ALA:HA	1:39:B:VAL:HB	7	0.58
(1,1231)	1:33:B:ARG:HB2	1:34:B:LEU:HD11	19	0.58
(1,1231)	1:33:B:ARG:HB2	1:34:B:LEU:HD12	19	0.58
(1,1231)	1:33:B:ARG:HB2	1:34:B:LEU:HD13	19	0.58
(1,1231)	1:33:B:ARG:HB2	1:34:B:LEU:HD21	19	0.58
(1,1231)	1:33:B:ARG:HB2	1:34:B:LEU:HD22	19	0.58
(1,1231)	1:33:B:ARG:HB2	1:34:B:LEU:HD23	19	0.58
(1,1231)	1:33:B:ARG:HB3	1:34:B:LEU:HD11	19	0.58
(1,1231)	1:33:B:ARG:HB3	1:34:B:LEU:HD12	19	0.58
(1,1231)	1:33:B:ARG:HB3	1:34:B:LEU:HD13	19	0.58
(1,1231)	1:33:B:ARG:HB3	1:34:B:LEU:HD21	19	0.58
(1,1231)	1:33:B:ARG:HB3	1:34:B:LEU:HD22	19	0.58
(1,1231)	1:33:B:ARG:HB3	1:34:B:LEU:HD23	19	0.58
(1,1197)	1:30:B:ALA:HB1	1:33:B:ARG:HD2	11	0.58
(1,1197)	1:30:B:ALA:HB1	1:33:B:ARG:HD3	11	0.58
(1,1197)	1:30:B:ALA:HB2	1:33:B:ARG:HD2	11	0.58
(1,1197)	1:30:B:ALA:HB2	1:33:B:ARG:HD3	11	0.58
(1,1197)	1:30:B:ALA:HB3	1:33:B:ARG:HD2	11	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1197)	1:30:B:ALA:HB3	1:33:B:ARG:HD3	11	0.58
(1,1045)	1:12:B:VAL:HG11	1:33:B:ARG:HA	7	0.58
(1,1045)	1:12:B:VAL:HG12	1:33:B:ARG:HA	7	0.58
(1,1045)	1:12:B:VAL:HG13	1:33:B:ARG:HA	7	0.58
(1,1045)	1:12:B:VAL:HG21	1:33:B:ARG:HA	7	0.58
(1,1045)	1:12:B:VAL:HG22	1:33:B:ARG:HA	7	0.58
(1,1045)	1:12:B:VAL:HG23	1:33:B:ARG:HA	7	0.58
(1,1043)	1:12:B:VAL:HG11	1:32:B:ILE:H	6	0.58
(1,1043)	1:12:B:VAL:HG12	1:32:B:ILE:H	6	0.58
(1,1043)	1:12:B:VAL:HG13	1:32:B:ILE:H	6	0.58
(1,1043)	1:12:B:VAL:HG21	1:32:B:ILE:H	6	0.58
(1,1043)	1:12:B:VAL:HG22	1:32:B:ILE:H	6	0.58
(1,1043)	1:12:B:VAL:HG23	1:32:B:ILE:H	6	0.58
(1,1043)	1:12:B:VAL:HG11	1:32:B:ILE:H	11	0.58
(1,1043)	1:12:B:VAL:HG12	1:32:B:ILE:H	11	0.58
(1,1043)	1:12:B:VAL:HG13	1:32:B:ILE:H	11	0.58
(1,1043)	1:12:B:VAL:HG21	1:32:B:ILE:H	11	0.58
(1,1043)	1:12:B:VAL:HG22	1:32:B:ILE:H	11	0.58
(1,1043)	1:12:B:VAL:HG23	1:32:B:ILE:H	11	0.58
(1,1043)	1:12:B:VAL:HG11	1:32:B:ILE:H	13	0.58
(1,1043)	1:12:B:VAL:HG12	1:32:B:ILE:H	13	0.58
(1,1043)	1:12:B:VAL:HG13	1:32:B:ILE:H	13	0.58
(1,1043)	1:12:B:VAL:HG21	1:32:B:ILE:H	13	0.58
(1,1043)	1:12:B:VAL:HG22	1:32:B:ILE:H	13	0.58
(1,1043)	1:12:B:VAL:HG23	1:32:B:ILE:H	13	0.58
(1,938)	1:81:A:ARG:HG3	1:77:B:TYR:HE1	15	0.58
(1,938)	1:81:A:ARG:HG3	1:77:B:TYR:HE2	15	0.58
(1,916)	1:80:A:LEU:HD21	1:81:A:ARG:HA	19	0.58
(1,916)	1:80:A:LEU:HD22	1:81:A:ARG:HA	19	0.58
(1,916)	1:80:A:LEU:HD23	1:81:A:ARG:HA	19	0.58
(1,897)	1:79:A:ARG:HA	1:82:A:GLU:H	16	0.58
(1,875)	1:77:A:TYR:HE1	1:81:B:ARG:HD2	18	0.58
(1,875)	1:77:A:TYR:HE2	1:81:B:ARG:HD2	18	0.58
(1,875)	1:77:A:TYR:HE1	1:81:B:ARG:HD3	18	0.58
(1,875)	1:77:A:TYR:HE2	1:81:B:ARG:HD3	18	0.58
(1,816)	1:74:A:LYS:HB2	1:73:B:LEU:HD11	7	0.58
(1,816)	1:74:A:LYS:HB2	1:73:B:LEU:HD12	7	0.58
(1,816)	1:74:A:LYS:HB2	1:73:B:LEU:HD13	7	0.58
(1,475)	1:51:A:PRO:HG2	1:52:A:MET:HG2	13	0.58
(1,475)	1:51:A:PRO:HG2	1:52:A:MET:HG3	13	0.58
(1,475)	1:51:A:PRO:HG3	1:52:A:MET:HG2	13	0.58
(1,475)	1:51:A:PRO:HG3	1:52:A:MET:HG3	13	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,437)	1:47:A:SER:H	1:58:A:LEU:HG	19	0.58
(1,433)	1:46:A:PHE:HD1	1:62:A:THR:HB	3	0.58
(1,433)	1:46:A:PHE:HD2	1:62:A:THR:HB	3	0.58
(1,433)	1:46:A:PHE:HD1	1:62:A:THR:HB	9	0.58
(1,433)	1:46:A:PHE:HD2	1:62:A:THR:HB	9	0.58
(1,433)	1:46:A:PHE:HD1	1:62:A:THR:HB	20	0.58
(1,433)	1:46:A:PHE:HD2	1:62:A:THR:HB	20	0.58
(1,432)	1:46:A:PHE:HD1	1:62:A:THR:H	17	0.58
(1,432)	1:46:A:PHE:HD2	1:62:A:THR:H	17	0.58
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD11	8	0.58
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD12	8	0.58
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD13	8	0.58
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD11	8	0.58
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD12	8	0.58
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD13	8	0.58
(1,158)	1:19:A:GLN:HG3	1:52:B:MET:HG3	5	0.58
(1,62)	1:12:A:VAL:HG11	1:32:A:ILE:H	9	0.58
(1,62)	1:12:A:VAL:HG12	1:32:A:ILE:H	9	0.58
(1,62)	1:12:A:VAL:HG13	1:32:A:ILE:H	9	0.58
(1,62)	1:12:A:VAL:HG21	1:32:A:ILE:H	9	0.58
(1,62)	1:12:A:VAL:HG22	1:32:A:ILE:H	9	0.58
(1,62)	1:12:A:VAL:HG23	1:32:A:ILE:H	9	0.58
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD11	16	0.57
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD12	16	0.57
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD13	16	0.57
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD21	16	0.57
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD22	16	0.57
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD23	16	0.57
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD11	16	0.57
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD12	16	0.57
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD13	16	0.57
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD21	16	0.57
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD22	16	0.57
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD23	16	0.57
(1,1400)	1:51:B:PRO:HG2	1:52:B:MET:HG2	5	0.57
(1,1400)	1:51:B:PRO:HG2	1:52:B:MET:HG3	5	0.57
(1,1400)	1:51:B:PRO:HG3	1:52:B:MET:HG2	5	0.57
(1,1400)	1:51:B:PRO:HG3	1:52:B:MET:HG3	5	0.57
(1,1400)	1:51:B:PRO:HG2	1:52:B:MET:HG2	8	0.57
(1,1400)	1:51:B:PRO:HG2	1:52:B:MET:HG3	8	0.57
(1,1400)	1:51:B:PRO:HG3	1:52:B:MET:HG2	8	0.57
(1,1400)	1:51:B:PRO:HG3	1:52:B:MET:HG3	8	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1400)	1:51:B:PRO:HG2	1:52:B:MET:HG2	13	0.57
(1,1400)	1:51:B:PRO:HG2	1:52:B:MET:HG3	13	0.57
(1,1400)	1:51:B:PRO:HG3	1:52:B:MET:HG2	13	0.57
(1,1400)	1:51:B:PRO:HG3	1:52:B:MET:HG3	13	0.57
(1,1400)	1:51:B:PRO:HG2	1:52:B:MET:HG2	17	0.57
(1,1400)	1:51:B:PRO:HG2	1:52:B:MET:HG3	17	0.57
(1,1400)	1:51:B:PRO:HG3	1:52:B:MET:HG2	17	0.57
(1,1400)	1:51:B:PRO:HG3	1:52:B:MET:HG3	17	0.57
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD11	19	0.57
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD12	19	0.57
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD13	19	0.57
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD21	19	0.57
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD22	19	0.57
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD23	19	0.57
(1,1313)	1:42:B:LYS:HE2	1:45:B:GLU:HG2	10	0.57
(1,1313)	1:42:B:LYS:HE2	1:45:B:GLU:HG3	10	0.57
(1,1313)	1:42:B:LYS:HE3	1:45:B:GLU:HG2	10	0.57
(1,1313)	1:42:B:LYS:HE3	1:45:B:GLU:HG3	10	0.57
(1,1310)	1:42:B:LYS:HD2	1:62:B:THR:HA	5	0.57
(1,1310)	1:42:B:LYS:HD3	1:62:B:THR:HA	5	0.57
(1,1215)	1:32:B:ILE:HA	1:36:B:ALA:H	14	0.57
(1,1197)	1:30:B:ALA:HB1	1:33:B:ARG:HD2	1	0.57
(1,1197)	1:30:B:ALA:HB1	1:33:B:ARG:HD3	1	0.57
(1,1197)	1:30:B:ALA:HB2	1:33:B:ARG:HD2	1	0.57
(1,1197)	1:30:B:ALA:HB2	1:33:B:ARG:HD3	1	0.57
(1,1197)	1:30:B:ALA:HB3	1:33:B:ARG:HD2	1	0.57
(1,1197)	1:30:B:ALA:HB3	1:33:B:ARG:HD3	1	0.57
(1,1178)	1:27:B:GLU:H	1:27:B:GLU:HG2	8	0.57
(1,1178)	1:27:B:GLU:H	1:27:B:GLU:HG3	8	0.57
(1,941)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	4	0.57
(1,941)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	4	0.57
(1,941)	1:81:A:ARG:HG3	1:77:B:TYR:HE1	4	0.57
(1,941)	1:81:A:ARG:HG3	1:77:B:TYR:HE2	4	0.57
(1,938)	1:81:A:ARG:HG3	1:77:B:TYR:HE1	3	0.57
(1,938)	1:81:A:ARG:HG3	1:77:B:TYR:HE2	3	0.57
(1,938)	1:81:A:ARG:HG3	1:77:B:TYR:HE1	20	0.57
(1,938)	1:81:A:ARG:HG3	1:77:B:TYR:HE2	20	0.57
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD11	15	0.57
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD12	15	0.57
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD13	15	0.57
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD21	15	0.57
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD22	15	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD23	15	0.57
(1,873)	1:77:A:TYR:HE1	1:76:B:GLU:HG2	15	0.57
(1,873)	1:77:A:TYR:HE1	1:76:B:GLU:HG3	15	0.57
(1,873)	1:77:A:TYR:HE2	1:76:B:GLU:HG2	15	0.57
(1,873)	1:77:A:TYR:HE2	1:76:B:GLU:HG3	15	0.57
(1,790)	1:73:A:LEU:HG	1:74:B:LYS:HE2	12	0.57
(1,790)	1:73:A:LEU:HG	1:74:B:LYS:HE3	12	0.57
(1,386)	1:42:A:LYS:HD2	1:66:A:ILE:H	9	0.57
(1,386)	1:42:A:LYS:HD3	1:66:A:ILE:H	9	0.57
(1,224)	1:27:A:GLU:HB2	1:72:B:LYS:H	15	0.57
(1,224)	1:27:A:GLU:HB3	1:72:B:LYS:H	15	0.57
(1,200)	1:23:A:ILE:HD11	1:65:B:GLN:HG2	1	0.57
(1,200)	1:23:A:ILE:HD11	1:65:B:GLN:HG3	1	0.57
(1,200)	1:23:A:ILE:HD12	1:65:B:GLN:HG2	1	0.57
(1,200)	1:23:A:ILE:HD12	1:65:B:GLN:HG3	1	0.57
(1,200)	1:23:A:ILE:HD13	1:65:B:GLN:HG2	1	0.57
(1,200)	1:23:A:ILE:HD13	1:65:B:GLN:HG3	1	0.57
(1,200)	1:23:A:ILE:HD11	1:65:B:GLN:HG2	18	0.57
(1,200)	1:23:A:ILE:HD11	1:65:B:GLN:HG3	18	0.57
(1,200)	1:23:A:ILE:HD12	1:65:B:GLN:HG2	18	0.57
(1,200)	1:23:A:ILE:HD12	1:65:B:GLN:HG3	18	0.57
(1,200)	1:23:A:ILE:HD13	1:65:B:GLN:HG2	18	0.57
(1,200)	1:23:A:ILE:HD13	1:65:B:GLN:HG3	18	0.57
(1,178)	1:21:A:TYR:HD1	1:61:B:LEU:HD21	6	0.57
(1,178)	1:21:A:TYR:HD1	1:61:B:LEU:HD22	6	0.57
(1,178)	1:21:A:TYR:HD1	1:61:B:LEU:HD23	6	0.57
(1,178)	1:21:A:TYR:HD2	1:61:B:LEU:HD21	6	0.57
(1,178)	1:21:A:TYR:HD2	1:61:B:LEU:HD22	6	0.57
(1,178)	1:21:A:TYR:HD2	1:61:B:LEU:HD23	6	0.57
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD11	4	0.57
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD12	4	0.57
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD13	4	0.57
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD11	4	0.57
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD12	4	0.57
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD13	4	0.57
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD11	10	0.57
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD12	10	0.57
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD13	10	0.57
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD11	10	0.57
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD12	10	0.57
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD13	10	0.57
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD11	11	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD12	11	0.57
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD13	11	0.57
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD11	11	0.57
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD12	11	0.57
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD13	11	0.57
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD11	20	0.57
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD12	20	0.57
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD13	20	0.57
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD11	20	0.57
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD12	20	0.57
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD13	20	0.57
(1,158)	1:19:A:GLN:HG3	1:52:B:MET:HG3	3	0.57
(1,62)	1:12:A:VAL:HG11	1:32:A:ILE:H	3	0.57
(1,62)	1:12:A:VAL:HG12	1:32:A:ILE:H	3	0.57
(1,62)	1:12:A:VAL:HG13	1:32:A:ILE:H	3	0.57
(1,62)	1:12:A:VAL:HG21	1:32:A:ILE:H	3	0.57
(1,62)	1:12:A:VAL:HG22	1:32:A:ILE:H	3	0.57
(1,62)	1:12:A:VAL:HG23	1:32:A:ILE:H	3	0.57
(1,62)	1:12:A:VAL:HG11	1:32:A:ILE:H	18	0.57
(1,62)	1:12:A:VAL:HG12	1:32:A:ILE:H	18	0.57
(1,62)	1:12:A:VAL:HG13	1:32:A:ILE:H	18	0.57
(1,62)	1:12:A:VAL:HG21	1:32:A:ILE:H	18	0.57
(1,62)	1:12:A:VAL:HG22	1:32:A:ILE:H	18	0.57
(1,62)	1:12:A:VAL:HG23	1:32:A:ILE:H	18	0.57
(1,1770)	1:84:B:LEU:HD11	1:85:B:LYS:HA	3	0.56
(1,1770)	1:84:B:LEU:HD12	1:85:B:LYS:HA	3	0.56
(1,1770)	1:84:B:LEU:HD13	1:85:B:LYS:HA	3	0.56
(1,1770)	1:84:B:LEU:HD21	1:85:B:LYS:HA	3	0.56
(1,1770)	1:84:B:LEU:HD22	1:85:B:LYS:HA	3	0.56
(1,1770)	1:84:B:LEU:HD23	1:85:B:LYS:HA	3	0.56
(1,1400)	1:51:B:PRO:HG2	1:52:B:MET:HG2	2	0.56
(1,1400)	1:51:B:PRO:HG2	1:52:B:MET:HG3	2	0.56
(1,1400)	1:51:B:PRO:HG3	1:52:B:MET:HG2	2	0.56
(1,1400)	1:51:B:PRO:HG3	1:52:B:MET:HG3	2	0.56
(1,1362)	1:47:B:SER:H	1:58:B:LEU:HG	2	0.56
(1,1362)	1:47:B:SER:H	1:58:B:LEU:HG	9	0.56
(1,1358)	1:46:B:PHE:HD1	1:62:B:THR:HB	14	0.56
(1,1358)	1:46:B:PHE:HD2	1:62:B:THR:HB	14	0.56
(1,1358)	1:46:B:PHE:HD1	1:62:B:THR:HB	15	0.56
(1,1358)	1:46:B:PHE:HD2	1:62:B:THR:HB	15	0.56
(1,1311)	1:42:B:LYS:HD2	1:66:B:ILE:H	3	0.56
(1,1311)	1:42:B:LYS:HD3	1:66:B:ILE:H	3	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1311)	1:42:B:LYS:HD2	1:66:B:ILE:H	9	0.56
(1,1311)	1:42:B:LYS:HD3	1:66:B:ILE:H	9	0.56
(1,1311)	1:42:B:LYS:HD2	1:66:B:ILE:H	20	0.56
(1,1311)	1:42:B:LYS:HD3	1:66:B:ILE:H	20	0.56
(1,1307)	1:42:B:LYS:HA	1:45:B:GLU:HG2	3	0.56
(1,1307)	1:42:B:LYS:HA	1:45:B:GLU:HG3	3	0.56
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB1	4	0.56
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB2	4	0.56
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB3	4	0.56
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB1	4	0.56
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB2	4	0.56
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB3	4	0.56
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB1	4	0.56
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB2	4	0.56
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB3	4	0.56
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB1	4	0.56
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB2	4	0.56
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB3	4	0.56
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB1	4	0.56
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB2	4	0.56
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB3	4	0.56
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB1	4	0.56
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB2	4	0.56
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB3	4	0.56
(1,1201)	1:31:B:HIS:HA	1:34:B:LEU:HB2	6	0.56
(1,1201)	1:31:B:HIS:HA	1:34:B:LEU:HB3	6	0.56
(1,1178)	1:27:B:GLU:H	1:27:B:GLU:HG2	14	0.56
(1,1178)	1:27:B:GLU:H	1:27:B:GLU:HG3	14	0.56
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD11	18	0.56
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD12	18	0.56
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD13	18	0.56
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD11	18	0.56
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD12	18	0.56
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD13	18	0.56
(1,1046)	1:12:B:VAL:HG11	1:33:B:ARG:HD2	12	0.56
(1,1046)	1:12:B:VAL:HG11	1:33:B:ARG:HD3	12	0.56
(1,1046)	1:12:B:VAL:HG12	1:33:B:ARG:HD2	12	0.56
(1,1046)	1:12:B:VAL:HG12	1:33:B:ARG:HD3	12	0.56
(1,1046)	1:12:B:VAL:HG13	1:33:B:ARG:HD2	12	0.56
(1,1046)	1:12:B:VAL:HG13	1:33:B:ARG:HD3	12	0.56
(1,1046)	1:12:B:VAL:HG21	1:33:B:ARG:HD2	12	0.56
(1,1046)	1:12:B:VAL:HG21	1:33:B:ARG:HD3	12	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1046)	1:12:B:VAL:HG22	1:33:B:ARG:HD2	12	0.56
(1,1046)	1:12:B:VAL:HG22	1:33:B:ARG:HD3	12	0.56
(1,1046)	1:12:B:VAL:HG23	1:33:B:ARG:HD2	12	0.56
(1,1046)	1:12:B:VAL:HG23	1:33:B:ARG:HD3	12	0.56
(1,1043)	1:12:B:VAL:HG11	1:32:B:ILE:H	20	0.56
(1,1043)	1:12:B:VAL:HG12	1:32:B:ILE:H	20	0.56
(1,1043)	1:12:B:VAL:HG13	1:32:B:ILE:H	20	0.56
(1,1043)	1:12:B:VAL:HG21	1:32:B:ILE:H	20	0.56
(1,1043)	1:12:B:VAL:HG22	1:32:B:ILE:H	20	0.56
(1,1043)	1:12:B:VAL:HG23	1:32:B:ILE:H	20	0.56
(1,938)	1:81:A:ARG:HG3	1:77:B:TYR:HE1	12	0.56
(1,938)	1:81:A:ARG:HG3	1:77:B:TYR:HE2	12	0.56
(1,937)	1:81:A:ARG:HG2	1:80:B:LEU:HD11	14	0.56
(1,937)	1:81:A:ARG:HG2	1:80:B:LEU:HD12	14	0.56
(1,937)	1:81:A:ARG:HG2	1:80:B:LEU:HD13	14	0.56
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	14	0.56
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	14	0.56
(1,920)	1:80:A:LEU:HD11	1:81:A:ARG:HD2	20	0.56
(1,920)	1:80:A:LEU:HD11	1:81:A:ARG:HD3	20	0.56
(1,920)	1:80:A:LEU:HD12	1:81:A:ARG:HD2	20	0.56
(1,920)	1:80:A:LEU:HD12	1:81:A:ARG:HD3	20	0.56
(1,920)	1:80:A:LEU:HD13	1:81:A:ARG:HD2	20	0.56
(1,920)	1:80:A:LEU:HD13	1:81:A:ARG:HD3	20	0.56
(1,920)	1:80:A:LEU:HD21	1:81:A:ARG:HD2	20	0.56
(1,920)	1:80:A:LEU:HD21	1:81:A:ARG:HD3	20	0.56
(1,920)	1:80:A:LEU:HD22	1:81:A:ARG:HD2	20	0.56
(1,920)	1:80:A:LEU:HD22	1:81:A:ARG:HD3	20	0.56
(1,920)	1:80:A:LEU:HD23	1:81:A:ARG:HD2	20	0.56
(1,920)	1:80:A:LEU:HD23	1:81:A:ARG:HD3	20	0.56
(1,916)	1:80:A:LEU:HD21	1:81:A:ARG:HA	4	0.56
(1,916)	1:80:A:LEU:HD22	1:81:A:ARG:HA	4	0.56
(1,916)	1:80:A:LEU:HD23	1:81:A:ARG:HA	4	0.56
(1,916)	1:80:A:LEU:HD21	1:81:A:ARG:HA	14	0.56
(1,916)	1:80:A:LEU:HD22	1:81:A:ARG:HA	14	0.56
(1,916)	1:80:A:LEU:HD23	1:81:A:ARG:HA	14	0.56
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD11	7	0.56
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD12	7	0.56
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD13	7	0.56
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD21	7	0.56
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD22	7	0.56
(1,893)	1:79:A:ARG:H	1:80:A:LEU:HD23	7	0.56
(1,873)	1:77:A:TYR:HE1	1:76:B:GLU:HG2	1	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,873)	1:77:A:TYR:HE1	1:76:B:GLU:HG3	1	0.56
(1,873)	1:77:A:TYR:HE2	1:76:B:GLU:HG2	1	0.56
(1,873)	1:77:A:TYR:HE2	1:76:B:GLU:HG3	1	0.56
(1,873)	1:77:A:TYR:HE1	1:76:B:GLU:HG2	17	0.56
(1,873)	1:77:A:TYR:HE1	1:76:B:GLU:HG3	17	0.56
(1,873)	1:77:A:TYR:HE2	1:76:B:GLU:HG2	17	0.56
(1,873)	1:77:A:TYR:HE2	1:76:B:GLU:HG3	17	0.56
(1,857)	1:76:A:GLU:HG2	1:77:B:TYR:HE1	13	0.56
(1,857)	1:76:A:GLU:HG2	1:77:B:TYR:HE2	13	0.56
(1,857)	1:76:A:GLU:HG3	1:77:B:TYR:HE1	13	0.56
(1,857)	1:76:A:GLU:HG3	1:77:B:TYR:HE2	13	0.56
(1,857)	1:76:A:GLU:HG2	1:77:B:TYR:HE1	17	0.56
(1,857)	1:76:A:GLU:HG2	1:77:B:TYR:HE2	17	0.56
(1,857)	1:76:A:GLU:HG3	1:77:B:TYR:HE1	17	0.56
(1,857)	1:76:A:GLU:HG3	1:77:B:TYR:HE2	17	0.56
(1,829)	1:74:A:LYS:HE2	1:73:B:LEU:HG	15	0.56
(1,829)	1:74:A:LYS:HE3	1:73:B:LEU:HG	15	0.56
(1,675)	1:66:A:ILE:HG21	1:63:B:ALA:HA	20	0.56
(1,675)	1:66:A:ILE:HG22	1:63:B:ALA:HA	20	0.56
(1,675)	1:66:A:ILE:HG23	1:63:B:ALA:HA	20	0.56
(1,560)	1:60:A:VAL:HB	1:63:A:ALA:HB1	19	0.56
(1,560)	1:60:A:VAL:HB	1:63:A:ALA:HB2	19	0.56
(1,560)	1:60:A:VAL:HB	1:63:A:ALA:HB3	19	0.56
(1,475)	1:51:A:PRO:HG2	1:52:A:MET:HG2	2	0.56
(1,475)	1:51:A:PRO:HG2	1:52:A:MET:HG3	2	0.56
(1,475)	1:51:A:PRO:HG3	1:52:A:MET:HG2	2	0.56
(1,475)	1:51:A:PRO:HG3	1:52:A:MET:HG3	2	0.56
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD11	11	0.56
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD12	11	0.56
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD13	11	0.56
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD21	11	0.56
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD22	11	0.56
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD23	11	0.56
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD11	16	0.56
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD12	16	0.56
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD13	16	0.56
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD21	16	0.56
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD22	16	0.56
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD23	16	0.56
(1,386)	1:42:A:LYS:HD2	1:66:A:ILE:H	15	0.56
(1,386)	1:42:A:LYS:HD3	1:66:A:ILE:H	15	0.56
(1,363)	1:39:A:VAL:HG11	1:62:A:THR:HB	3	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,363)	1:39:A:VAL:HG12	1:62:A:THR:HB	3	0.56
(1,363)	1:39:A:VAL:HG13	1:62:A:THR:HB	3	0.56
(1,363)	1:39:A:VAL:HG21	1:62:A:THR:HB	3	0.56
(1,363)	1:39:A:VAL:HG22	1:62:A:THR:HB	3	0.56
(1,363)	1:39:A:VAL:HG23	1:62:A:THR:HB	3	0.56
(1,258)	1:32:A:ILE:HA	1:36:A:ALA:H	20	0.56
(1,240)	1:30:A:ALA:HB1	1:33:A:ARG:HD2	1	0.56
(1,240)	1:30:A:ALA:HB1	1:33:A:ARG:HD3	1	0.56
(1,240)	1:30:A:ALA:HB2	1:33:A:ARG:HD2	1	0.56
(1,240)	1:30:A:ALA:HB2	1:33:A:ARG:HD3	1	0.56
(1,240)	1:30:A:ALA:HB3	1:33:A:ARG:HD2	1	0.56
(1,240)	1:30:A:ALA:HB3	1:33:A:ARG:HD3	1	0.56
(1,213)	1:24:A:VAL:HB	1:65:B:GLN:HG2	11	0.56
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD11	15	0.56
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD12	15	0.56
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD13	15	0.56
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD11	15	0.56
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD12	15	0.56
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD13	15	0.56
(1,113)	1:16:A:ILE:H	1:21:A:TYR:H	5	0.56
(1,113)	1:16:A:ILE:H	1:21:A:TYR:H	18	0.56
(1,62)	1:12:A:VAL:HG11	1:32:A:ILE:H	6	0.56
(1,62)	1:12:A:VAL:HG12	1:32:A:ILE:H	6	0.56
(1,62)	1:12:A:VAL:HG13	1:32:A:ILE:H	6	0.56
(1,62)	1:12:A:VAL:HG21	1:32:A:ILE:H	6	0.56
(1,62)	1:12:A:VAL:HG22	1:32:A:ILE:H	6	0.56
(1,62)	1:12:A:VAL:HG23	1:32:A:ILE:H	6	0.56
(1,62)	1:12:A:VAL:HG11	1:32:A:ILE:H	7	0.56
(1,62)	1:12:A:VAL:HG12	1:32:A:ILE:H	7	0.56
(1,62)	1:12:A:VAL:HG13	1:32:A:ILE:H	7	0.56
(1,62)	1:12:A:VAL:HG21	1:32:A:ILE:H	7	0.56
(1,62)	1:12:A:VAL:HG22	1:32:A:ILE:H	7	0.56
(1,62)	1:12:A:VAL:HG23	1:32:A:ILE:H	7	0.56
(1,53)	1:12:A:VAL:H	1:25:A:GLY:H	11	0.56
(1,52)	1:12:A:VAL:H	1:24:A:VAL:HA	3	0.56
(1,44)	1:11:A:ARG:HB2	1:24:A:VAL:HG11	14	0.56
(1,44)	1:11:A:ARG:HB2	1:24:A:VAL:HG12	14	0.56
(1,44)	1:11:A:ARG:HB2	1:24:A:VAL:HG13	14	0.56
(1,44)	1:11:A:ARG:HB2	1:24:A:VAL:HG21	14	0.56
(1,44)	1:11:A:ARG:HB2	1:24:A:VAL:HG22	14	0.56
(1,44)	1:11:A:ARG:HB2	1:24:A:VAL:HG23	14	0.56
(1,44)	1:11:A:ARG:HB3	1:24:A:VAL:HG11	14	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,44)	1:11:A:ARG:HB3	1:24:A:VAL:HG12	14	0.56
(1,44)	1:11:A:ARG:HB3	1:24:A:VAL:HG13	14	0.56
(1,44)	1:11:A:ARG:HB3	1:24:A:VAL:HG21	14	0.56
(1,44)	1:11:A:ARG:HB3	1:24:A:VAL:HG22	14	0.56
(1,44)	1:11:A:ARG:HB3	1:24:A:VAL:HG23	14	0.56
(1,24)	1:10:A:THR:H	1:26:A:ALA:HB1	13	0.56
(1,24)	1:10:A:THR:H	1:26:A:ALA:HB2	13	0.56
(1,24)	1:10:A:THR:H	1:26:A:ALA:HB3	13	0.56
(1,1769)	1:84:B:LEU:HD11	1:85:B:LYS:H	13	0.55
(1,1769)	1:84:B:LEU:HD12	1:85:B:LYS:H	13	0.55
(1,1769)	1:84:B:LEU:HD13	1:85:B:LYS:H	13	0.55
(1,1769)	1:84:B:LEU:HD21	1:85:B:LYS:H	13	0.55
(1,1769)	1:84:B:LEU:HD22	1:85:B:LYS:H	13	0.55
(1,1769)	1:84:B:LEU:HD23	1:85:B:LYS:H	13	0.55
(1,1673)	1:77:B:TYR:HA	1:80:B:LEU:H	16	0.55
(1,1653)	1:75:B:GLU:HG2	1:76:B:GLU:H	11	0.55
(1,1653)	1:75:B:GLU:HG3	1:76:B:GLU:H	11	0.55
(1,1608)	1:73:B:LEU:HG	1:74:B:LYS:H	9	0.55
(1,1595)	1:72:B:LYS:HA	1:75:B:GLU:HG2	16	0.55
(1,1595)	1:72:B:LYS:HA	1:75:B:GLU:HG3	16	0.55
(1,1459)	1:60:B:VAL:HB	1:63:B:ALA:HB1	9	0.55
(1,1459)	1:60:B:VAL:HB	1:63:B:ALA:HB2	9	0.55
(1,1459)	1:60:B:VAL:HB	1:63:B:ALA:HB3	9	0.55
(1,1400)	1:51:B:PRO:HG2	1:52:B:MET:HG2	4	0.55
(1,1400)	1:51:B:PRO:HG2	1:52:B:MET:HG3	4	0.55
(1,1400)	1:51:B:PRO:HG3	1:52:B:MET:HG2	4	0.55
(1,1400)	1:51:B:PRO:HG3	1:52:B:MET:HG3	4	0.55
(1,1400)	1:51:B:PRO:HG2	1:52:B:MET:HG2	14	0.55
(1,1400)	1:51:B:PRO:HG2	1:52:B:MET:HG3	14	0.55
(1,1400)	1:51:B:PRO:HG3	1:52:B:MET:HG2	14	0.55
(1,1400)	1:51:B:PRO:HG3	1:52:B:MET:HG3	14	0.55
(1,1400)	1:51:B:PRO:HG2	1:52:B:MET:HG2	16	0.55
(1,1400)	1:51:B:PRO:HG2	1:52:B:MET:HG3	16	0.55
(1,1400)	1:51:B:PRO:HG3	1:52:B:MET:HG2	16	0.55
(1,1400)	1:51:B:PRO:HG3	1:52:B:MET:HG3	16	0.55
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD11	7	0.55
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD12	7	0.55
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD13	7	0.55
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD21	7	0.55
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD22	7	0.55
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD23	7	0.55
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD11	8	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD12	8	0.55
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD13	8	0.55
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD21	8	0.55
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD22	8	0.55
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD23	8	0.55
(1,1358)	1:46:B:PHE:HD1	1:62:B:THR:HB	17	0.55
(1,1358)	1:46:B:PHE:HD2	1:62:B:THR:HB	17	0.55
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD11	10	0.55
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD12	10	0.55
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD13	10	0.55
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD21	10	0.55
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD22	10	0.55
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD23	10	0.55
(1,1311)	1:42:B:LYS:HD2	1:66:B:ILE:H	16	0.55
(1,1311)	1:42:B:LYS:HD3	1:66:B:ILE:H	16	0.55
(1,1215)	1:32:B:ILE:HA	1:36:B:ALA:H	15	0.55
(1,1214)	1:32:B:ILE:HA	1:35:B:VAL:HB	2	0.55
(1,1201)	1:31:B:HIS:HA	1:34:B:LEU:HB2	10	0.55
(1,1201)	1:31:B:HIS:HA	1:34:B:LEU:HB3	10	0.55
(1,1201)	1:31:B:HIS:HA	1:34:B:LEU:HB2	11	0.55
(1,1201)	1:31:B:HIS:HA	1:34:B:LEU:HB3	11	0.55
(1,1201)	1:31:B:HIS:HA	1:34:B:LEU:HB2	14	0.55
(1,1201)	1:31:B:HIS:HA	1:34:B:LEU:HB3	14	0.55
(1,1178)	1:27:B:GLU:H	1:27:B:GLU:HG2	18	0.55
(1,1178)	1:27:B:GLU:H	1:27:B:GLU:HG3	18	0.55
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD11	10	0.55
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD12	10	0.55
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD13	10	0.55
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD11	10	0.55
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD12	10	0.55
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD13	10	0.55
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD11	20	0.55
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD12	20	0.55
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD13	20	0.55
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD11	20	0.55
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD12	20	0.55
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD13	20	0.55
(1,1146)	1:21:B:TYR:HB2	1:23:B:ILE:HD11	16	0.55
(1,1146)	1:21:B:TYR:HB2	1:23:B:ILE:HD12	16	0.55
(1,1146)	1:21:B:TYR:HB2	1:23:B:ILE:HD13	16	0.55
(1,1146)	1:21:B:TYR:HB3	1:23:B:ILE:HD11	16	0.55
(1,1146)	1:21:B:TYR:HB3	1:23:B:ILE:HD12	16	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1146)	1:21:B:TYR:HB3	1:23:B:ILE:HD13	16	0.55
(1,1119)	1:17:B:TYR:HB2	1:43:B:MET:HB2	10	0.55
(1,1119)	1:17:B:TYR:HB2	1:43:B:MET:HB3	10	0.55
(1,1119)	1:17:B:TYR:HB3	1:43:B:MET:HB2	10	0.55
(1,1119)	1:17:B:TYR:HB3	1:43:B:MET:HB3	10	0.55
(1,1066)	1:14:B:VAL:HG11	1:33:B:ARG:H	18	0.55
(1,1066)	1:14:B:VAL:HG12	1:33:B:ARG:H	18	0.55
(1,1066)	1:14:B:VAL:HG13	1:33:B:ARG:H	18	0.55
(1,1066)	1:14:B:VAL:HG21	1:33:B:ARG:H	18	0.55
(1,1066)	1:14:B:VAL:HG22	1:33:B:ARG:H	18	0.55
(1,1066)	1:14:B:VAL:HG23	1:33:B:ARG:H	18	0.55
(1,1042)	1:12:B:VAL:HG11	1:29:B:PRO:HA	12	0.55
(1,1042)	1:12:B:VAL:HG12	1:29:B:PRO:HA	12	0.55
(1,1042)	1:12:B:VAL:HG13	1:29:B:PRO:HA	12	0.55
(1,1042)	1:12:B:VAL:HG21	1:29:B:PRO:HA	12	0.55
(1,1042)	1:12:B:VAL:HG22	1:29:B:PRO:HA	12	0.55
(1,1042)	1:12:B:VAL:HG23	1:29:B:PRO:HA	12	0.55
(1,1033)	1:12:B:VAL:H	1:24:B:VAL:HA	4	0.55
(1,974)	1:84:A:LEU:HD11	1:85:A:LYS:HA	1	0.55
(1,974)	1:84:A:LEU:HD12	1:85:A:LYS:HA	1	0.55
(1,974)	1:84:A:LEU:HD13	1:85:A:LYS:HA	1	0.55
(1,974)	1:84:A:LEU:HD21	1:85:A:LYS:HA	1	0.55
(1,974)	1:84:A:LEU:HD22	1:85:A:LYS:HA	1	0.55
(1,974)	1:84:A:LEU:HD23	1:85:A:LYS:HA	1	0.55
(1,974)	1:84:A:LEU:HD11	1:85:A:LYS:HA	12	0.55
(1,974)	1:84:A:LEU:HD12	1:85:A:LYS:HA	12	0.55
(1,974)	1:84:A:LEU:HD13	1:85:A:LYS:HA	12	0.55
(1,974)	1:84:A:LEU:HD21	1:85:A:LYS:HA	12	0.55
(1,974)	1:84:A:LEU:HD22	1:85:A:LYS:HA	12	0.55
(1,974)	1:84:A:LEU:HD23	1:85:A:LYS:HA	12	0.55
(1,973)	1:84:A:LEU:HD11	1:85:A:LYS:H	13	0.55
(1,973)	1:84:A:LEU:HD12	1:85:A:LYS:H	13	0.55
(1,973)	1:84:A:LEU:HD13	1:85:A:LYS:H	13	0.55
(1,973)	1:84:A:LEU:HD21	1:85:A:LYS:H	13	0.55
(1,973)	1:84:A:LEU:HD22	1:85:A:LYS:H	13	0.55
(1,973)	1:84:A:LEU:HD23	1:85:A:LYS:H	13	0.55
(1,949)	1:82:A:GLU:HA	1:85:A:LYS:H	8	0.55
(1,938)	1:81:A:ARG:HG3	1:77:B:TYR:HE1	8	0.55
(1,938)	1:81:A:ARG:HG3	1:77:B:TYR:HE2	8	0.55
(1,938)	1:81:A:ARG:HG3	1:77:B:TYR:HE1	19	0.55
(1,938)	1:81:A:ARG:HG3	1:77:B:TYR:HE2	19	0.55
(1,873)	1:77:A:TYR:HE1	1:76:B:GLU:HG2	4	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,873)	1:77:A:TYR:HE1	1:76:B:GLU:HG3	4	0.55
(1,873)	1:77:A:TYR:HE2	1:76:B:GLU:HG2	4	0.55
(1,873)	1:77:A:TYR:HE2	1:76:B:GLU:HG3	4	0.55
(1,873)	1:77:A:TYR:HE1	1:76:B:GLU:HG2	11	0.55
(1,873)	1:77:A:TYR:HE1	1:76:B:GLU:HG3	11	0.55
(1,873)	1:77:A:TYR:HE2	1:76:B:GLU:HG2	11	0.55
(1,873)	1:77:A:TYR:HE2	1:76:B:GLU:HG3	11	0.55
(1,865)	1:77:A:TYR:HA	1:80:A:LEU:H	6	0.55
(1,844)	1:75:A:GLU:HG2	1:76:A:GLU:H	15	0.55
(1,844)	1:75:A:GLU:HG3	1:76:A:GLU:H	15	0.55
(1,843)	1:75:A:GLU:HG2	1:27:B:GLU:HG2	7	0.55
(1,843)	1:75:A:GLU:HG2	1:27:B:GLU:HG3	7	0.55
(1,843)	1:75:A:GLU:HG3	1:27:B:GLU:HG2	7	0.55
(1,843)	1:75:A:GLU:HG3	1:27:B:GLU:HG3	7	0.55
(1,777)	1:72:A:LYS:HG2	1:27:B:GLU:HG2	11	0.55
(1,777)	1:72:A:LYS:HG2	1:27:B:GLU:HG3	11	0.55
(1,765)	1:72:A:LYS:H	1:27:B:GLU:HB2	16	0.55
(1,765)	1:72:A:LYS:H	1:27:B:GLU:HB3	16	0.55
(1,765)	1:72:A:LYS:H	1:27:B:GLU:HB2	18	0.55
(1,765)	1:72:A:LYS:H	1:27:B:GLU:HB3	18	0.55
(1,734)	1:70:A:TYR:HE1	1:71:B:LEU:H	1	0.55
(1,734)	1:70:A:TYR:HE2	1:71:B:LEU:H	1	0.55
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG21	3	0.55
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG22	3	0.55
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG23	3	0.55
(1,524)	1:57:A:LYS:HD2	1:19:B:GLN:HB3	16	0.55
(1,524)	1:57:A:LYS:HD3	1:19:B:GLN:HB3	16	0.55
(1,475)	1:51:A:PRO:HG2	1:52:A:MET:HG2	20	0.55
(1,475)	1:51:A:PRO:HG2	1:52:A:MET:HG3	20	0.55
(1,475)	1:51:A:PRO:HG3	1:52:A:MET:HG2	20	0.55
(1,475)	1:51:A:PRO:HG3	1:52:A:MET:HG3	20	0.55
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD11	10	0.55
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD12	10	0.55
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD13	10	0.55
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD21	10	0.55
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD22	10	0.55
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD23	10	0.55
(1,437)	1:47:A:SER:H	1:58:A:LEU:HG	2	0.55
(1,437)	1:47:A:SER:H	1:58:A:LEU:HG	13	0.55
(1,433)	1:46:A:PHE:HD1	1:62:A:THR:HB	11	0.55
(1,433)	1:46:A:PHE:HD2	1:62:A:THR:HB	11	0.55
(1,433)	1:46:A:PHE:HD1	1:62:A:THR:HB	19	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,433)	1:46:A:PHE:HD2	1:62:A:THR:HB	19	0.55
(1,399)	1:43:A:MET:HB2	1:58:A:LEU:HG	17	0.55
(1,399)	1:43:A:MET:HB3	1:58:A:LEU:HG	17	0.55
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD11	7	0.55
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD12	7	0.55
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD13	7	0.55
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD21	7	0.55
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD22	7	0.55
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD23	7	0.55
(1,386)	1:42:A:LYS:HD2	1:66:A:ILE:H	19	0.55
(1,386)	1:42:A:LYS:HD3	1:66:A:ILE:H	19	0.55
(1,258)	1:32:A:ILE:HA	1:36:A:ALA:H	11	0.55
(1,244)	1:31:A:HIS:HA	1:34:A:LEU:HB2	14	0.55
(1,244)	1:31:A:HIS:HA	1:34:A:LEU:HB3	14	0.55
(1,224)	1:27:A:GLU:HB2	1:72:B:LYS:H	7	0.55
(1,224)	1:27:A:GLU:HB3	1:72:B:LYS:H	7	0.55
(1,224)	1:27:A:GLU:HB2	1:72:B:LYS:H	9	0.55
(1,224)	1:27:A:GLU:HB3	1:72:B:LYS:H	9	0.55
(1,224)	1:27:A:GLU:HB2	1:72:B:LYS:H	14	0.55
(1,224)	1:27:A:GLU:HB3	1:72:B:LYS:H	14	0.55
(1,200)	1:23:A:ILE:HD11	1:65:B:GLN:HG2	4	0.55
(1,200)	1:23:A:ILE:HD11	1:65:B:GLN:HG3	4	0.55
(1,200)	1:23:A:ILE:HD12	1:65:B:GLN:HG2	4	0.55
(1,200)	1:23:A:ILE:HD12	1:65:B:GLN:HG3	4	0.55
(1,200)	1:23:A:ILE:HD13	1:65:B:GLN:HG2	4	0.55
(1,200)	1:23:A:ILE:HD13	1:65:B:GLN:HG3	4	0.55
(1,200)	1:23:A:ILE:HD11	1:65:B:GLN:HG2	14	0.55
(1,200)	1:23:A:ILE:HD11	1:65:B:GLN:HG3	14	0.55
(1,200)	1:23:A:ILE:HD12	1:65:B:GLN:HG2	14	0.55
(1,200)	1:23:A:ILE:HD12	1:65:B:GLN:HG3	14	0.55
(1,200)	1:23:A:ILE:HD13	1:65:B:GLN:HG2	14	0.55
(1,200)	1:23:A:ILE:HD13	1:65:B:GLN:HG3	14	0.55
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD11	9	0.55
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD12	9	0.55
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD13	9	0.55
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD11	9	0.55
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD12	9	0.55
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD13	9	0.55
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD11	13	0.55
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD12	13	0.55
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD13	13	0.55
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD11	13	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD12	13	0.55
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD13	13	0.55
(1,172)	1:21:A:TYR:HB2	1:23:A:ILE:HD11	13	0.55
(1,172)	1:21:A:TYR:HB2	1:23:A:ILE:HD12	13	0.55
(1,172)	1:21:A:TYR:HB2	1:23:A:ILE:HD13	13	0.55
(1,172)	1:21:A:TYR:HB3	1:23:A:ILE:HD11	13	0.55
(1,172)	1:21:A:TYR:HB3	1:23:A:ILE:HD12	13	0.55
(1,172)	1:21:A:TYR:HB3	1:23:A:ILE:HD13	13	0.55
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD11	13	0.55
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD12	13	0.55
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD13	13	0.55
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD21	13	0.55
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD22	13	0.55
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD23	13	0.55
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD11	13	0.55
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD12	13	0.55
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD13	13	0.55
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD21	13	0.55
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD22	13	0.55
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD23	13	0.55
(1,113)	1:16:A:ILE:H	1:21:A:TYR:H	15	0.55
(1,61)	1:12:A:VAL:HG11	1:29:A:PRO:HA	12	0.55
(1,61)	1:12:A:VAL:HG12	1:29:A:PRO:HA	12	0.55
(1,61)	1:12:A:VAL:HG13	1:29:A:PRO:HA	12	0.55
(1,61)	1:12:A:VAL:HG21	1:29:A:PRO:HA	12	0.55
(1,61)	1:12:A:VAL:HG22	1:29:A:PRO:HA	12	0.55
(1,61)	1:12:A:VAL:HG23	1:29:A:PRO:HA	12	0.55
(1,45)	1:11:A:ARG:HD2	1:22:A:THR:HB	16	0.55
(1,45)	1:11:A:ARG:HD3	1:22:A:THR:HB	16	0.55
(1,35)	1:11:A:ARG:H	1:24:A:VAL:HA	2	0.55
(1,1770)	1:84:B:LEU:HD11	1:85:B:LYS:HA	8	0.54
(1,1770)	1:84:B:LEU:HD12	1:85:B:LYS:HA	8	0.54
(1,1770)	1:84:B:LEU:HD13	1:85:B:LYS:HA	8	0.54
(1,1770)	1:84:B:LEU:HD21	1:85:B:LYS:HA	8	0.54
(1,1770)	1:84:B:LEU:HD22	1:85:B:LYS:HA	8	0.54
(1,1770)	1:84:B:LEU:HD23	1:85:B:LYS:HA	8	0.54
(1,1770)	1:84:B:LEU:HD11	1:85:B:LYS:HA	17	0.54
(1,1770)	1:84:B:LEU:HD12	1:85:B:LYS:HA	17	0.54
(1,1770)	1:84:B:LEU:HD13	1:85:B:LYS:HA	17	0.54
(1,1770)	1:84:B:LEU:HD21	1:85:B:LYS:HA	17	0.54
(1,1770)	1:84:B:LEU:HD22	1:85:B:LYS:HA	17	0.54
(1,1770)	1:84:B:LEU:HD23	1:85:B:LYS:HA	17	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1653)	1:75:B:GLU:HG2	1:76:B:GLU:H	5	0.54
(1,1653)	1:75:B:GLU:HG3	1:76:B:GLU:H	5	0.54
(1,1653)	1:75:B:GLU:HG2	1:76:B:GLU:H	15	0.54
(1,1653)	1:75:B:GLU:HG3	1:76:B:GLU:H	15	0.54
(1,1612)	1:73:B:LEU:HD21	1:74:B:LYS:HA	14	0.54
(1,1612)	1:73:B:LEU:HD22	1:74:B:LYS:HA	14	0.54
(1,1612)	1:73:B:LEU:HD23	1:74:B:LYS:HA	14	0.54
(1,1493)	1:62:B:THR:HB	1:65:B:GLN:HB2	19	0.54
(1,1493)	1:62:B:THR:HB	1:65:B:GLN:HB3	19	0.54
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD11	20	0.54
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD12	20	0.54
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD13	20	0.54
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD11	10	0.54
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD12	10	0.54
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD13	10	0.54
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD21	10	0.54
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD22	10	0.54
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD23	10	0.54
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD11	18	0.54
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD12	18	0.54
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD13	18	0.54
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD21	18	0.54
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD22	18	0.54
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD23	18	0.54
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD11	4	0.54
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD12	4	0.54
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD13	4	0.54
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD21	4	0.54
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD22	4	0.54
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD23	4	0.54
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD11	6	0.54
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD12	6	0.54
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD13	6	0.54
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD21	6	0.54
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD22	6	0.54
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD23	6	0.54
(1,1362)	1:47:B:SER:H	1:58:B:LEU:HG	1	0.54
(1,1362)	1:47:B:SER:H	1:58:B:LEU:HG	3	0.54
(1,1362)	1:47:B:SER:H	1:58:B:LEU:HG	8	0.54
(1,1358)	1:46:B:PHE:HD1	1:62:B:THR:HB	16	0.54
(1,1358)	1:46:B:PHE:HD2	1:62:B:THR:HB	16	0.54
(1,1324)	1:43:B:MET:HB2	1:58:B:LEU:HG	16	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1324)	1:43:B:MET:HB3	1:58:B:LEU:HG	16	0.54
(1,1319)	1:43:B:MET:H	1:62:B:THR:HB	16	0.54
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD11	9	0.54
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD12	9	0.54
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD13	9	0.54
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD21	9	0.54
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD22	9	0.54
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD23	9	0.54
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD11	20	0.54
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD12	20	0.54
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD13	20	0.54
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD21	20	0.54
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD22	20	0.54
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD23	20	0.54
(1,1215)	1:32:B:ILE:HA	1:36:B:ALA:H	20	0.54
(1,1178)	1:27:B:GLU:H	1:27:B:GLU:HG2	6	0.54
(1,1178)	1:27:B:GLU:H	1:27:B:GLU:HG3	6	0.54
(1,1178)	1:27:B:GLU:H	1:27:B:GLU:HG2	10	0.54
(1,1178)	1:27:B:GLU:H	1:27:B:GLU:HG3	10	0.54
(1,1094)	1:16:B:ILE:H	1:21:B:TYR:H	10	0.54
(1,1043)	1:12:B:VAL:HG11	1:32:B:ILE:H	18	0.54
(1,1043)	1:12:B:VAL:HG12	1:32:B:ILE:H	18	0.54
(1,1043)	1:12:B:VAL:HG13	1:32:B:ILE:H	18	0.54
(1,1043)	1:12:B:VAL:HG21	1:32:B:ILE:H	18	0.54
(1,1043)	1:12:B:VAL:HG22	1:32:B:ILE:H	18	0.54
(1,1043)	1:12:B:VAL:HG23	1:32:B:ILE:H	18	0.54
(1,1038)	1:12:B:VAL:HB	1:25:B:GLY:H	17	0.54
(1,1033)	1:12:B:VAL:H	1:24:B:VAL:HA	5	0.54
(1,1033)	1:12:B:VAL:H	1:24:B:VAL:HA	17	0.54
(1,1010)	1:10:B:THR:HG21	1:12:B:VAL:HA	2	0.54
(1,1010)	1:10:B:THR:HG22	1:12:B:VAL:HA	2	0.54
(1,1010)	1:10:B:THR:HG23	1:12:B:VAL:HA	2	0.54
(1,974)	1:84:A:LEU:HD11	1:85:A:LYS:HA	8	0.54
(1,974)	1:84:A:LEU:HD12	1:85:A:LYS:HA	8	0.54
(1,974)	1:84:A:LEU:HD13	1:85:A:LYS:HA	8	0.54
(1,974)	1:84:A:LEU:HD21	1:85:A:LYS:HA	8	0.54
(1,974)	1:84:A:LEU:HD22	1:85:A:LYS:HA	8	0.54
(1,974)	1:84:A:LEU:HD23	1:85:A:LYS:HA	8	0.54
(1,974)	1:84:A:LEU:HD11	1:85:A:LYS:HA	15	0.54
(1,974)	1:84:A:LEU:HD12	1:85:A:LYS:HA	15	0.54
(1,974)	1:84:A:LEU:HD13	1:85:A:LYS:HA	15	0.54
(1,974)	1:84:A:LEU:HD21	1:85:A:LYS:HA	15	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,974)	1:84:A:LEU:HD22	1:85:A:LYS:HA	15	0.54
(1,974)	1:84:A:LEU:HD23	1:85:A:LYS:HA	15	0.54
(1,973)	1:84:A:LEU:HD11	1:85:A:LYS:H	15	0.54
(1,973)	1:84:A:LEU:HD12	1:85:A:LYS:H	15	0.54
(1,973)	1:84:A:LEU:HD13	1:85:A:LYS:H	15	0.54
(1,973)	1:84:A:LEU:HD21	1:85:A:LYS:H	15	0.54
(1,973)	1:84:A:LEU:HD22	1:85:A:LYS:H	15	0.54
(1,973)	1:84:A:LEU:HD23	1:85:A:LYS:H	15	0.54
(1,950)	1:82:A:GLU:HA	1:85:A:LYS:HB2	9	0.54
(1,950)	1:82:A:GLU:HA	1:85:A:LYS:HB3	9	0.54
(1,949)	1:82:A:GLU:HA	1:85:A:LYS:H	20	0.54
(1,941)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	1	0.54
(1,941)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	1	0.54
(1,941)	1:81:A:ARG:HG3	1:77:B:TYR:HE1	1	0.54
(1,941)	1:81:A:ARG:HG3	1:77:B:TYR:HE2	1	0.54
(1,941)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	5	0.54
(1,941)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	5	0.54
(1,941)	1:81:A:ARG:HG3	1:77:B:TYR:HE1	5	0.54
(1,941)	1:81:A:ARG:HG3	1:77:B:TYR:HE2	5	0.54
(1,938)	1:81:A:ARG:HG3	1:77:B:TYR:HE1	16	0.54
(1,938)	1:81:A:ARG:HG3	1:77:B:TYR:HE2	16	0.54
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	4	0.54
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	4	0.54
(1,916)	1:80:A:LEU:HD21	1:81:A:ARG:HA	16	0.54
(1,916)	1:80:A:LEU:HD22	1:81:A:ARG:HA	16	0.54
(1,916)	1:80:A:LEU:HD23	1:81:A:ARG:HA	16	0.54
(1,913)	1:80:A:LEU:HD11	1:81:A:ARG:HA	8	0.54
(1,913)	1:80:A:LEU:HD12	1:81:A:ARG:HA	8	0.54
(1,913)	1:80:A:LEU:HD13	1:81:A:ARG:HA	8	0.54
(1,873)	1:77:A:TYR:HE1	1:76:B:GLU:HG2	6	0.54
(1,873)	1:77:A:TYR:HE1	1:76:B:GLU:HG3	6	0.54
(1,873)	1:77:A:TYR:HE2	1:76:B:GLU:HG2	6	0.54
(1,873)	1:77:A:TYR:HE2	1:76:B:GLU:HG3	6	0.54
(1,873)	1:77:A:TYR:HE1	1:76:B:GLU:HG2	8	0.54
(1,873)	1:77:A:TYR:HE1	1:76:B:GLU:HG3	8	0.54
(1,873)	1:77:A:TYR:HE2	1:76:B:GLU:HG2	8	0.54
(1,873)	1:77:A:TYR:HE2	1:76:B:GLU:HG3	8	0.54
(1,857)	1:76:A:GLU:HG2	1:77:B:TYR:HE1	6	0.54
(1,857)	1:76:A:GLU:HG2	1:77:B:TYR:HE2	6	0.54
(1,857)	1:76:A:GLU:HG3	1:77:B:TYR:HE1	6	0.54
(1,857)	1:76:A:GLU:HG3	1:77:B:TYR:HE2	6	0.54
(1,844)	1:75:A:GLU:HG2	1:76:A:GLU:H	10	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,844)	1:75:A:GLU:HG3	1:76:A:GLU:H	10	0.54
(1,795)	1:73:A:LEU:HD21	1:74:A:LYS:HA	1	0.54
(1,795)	1:73:A:LEU:HD22	1:74:A:LYS:HA	1	0.54
(1,795)	1:73:A:LEU:HD23	1:74:A:LYS:HA	1	0.54
(1,791)	1:73:A:LEU:HG	1:74:A:LYS:H	5	0.54
(1,765)	1:72:A:LYS:H	1:27:B:GLU:HB2	3	0.54
(1,765)	1:72:A:LYS:H	1:27:B:GLU:HB3	3	0.54
(1,747)	1:71:A:LEU:HA	1:74:A:LYS:HE2	5	0.54
(1,747)	1:71:A:LEU:HA	1:74:A:LYS:HE3	5	0.54
(1,747)	1:71:A:LEU:HA	1:74:A:LYS:HE2	10	0.54
(1,747)	1:71:A:LEU:HA	1:74:A:LYS:HE3	10	0.54
(1,729)	1:70:A:TYR:HD1	1:67:B:ALA:HA	4	0.54
(1,729)	1:70:A:TYR:HD2	1:67:B:ALA:HA	4	0.54
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG21	1	0.54
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG22	1	0.54
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG23	1	0.54
(1,475)	1:51:A:PRO:HG2	1:52:A:MET:HG2	9	0.54
(1,475)	1:51:A:PRO:HG2	1:52:A:MET:HG3	9	0.54
(1,475)	1:51:A:PRO:HG3	1:52:A:MET:HG2	9	0.54
(1,475)	1:51:A:PRO:HG3	1:52:A:MET:HG3	9	0.54
(1,475)	1:51:A:PRO:HG2	1:52:A:MET:HG2	19	0.54
(1,475)	1:51:A:PRO:HG2	1:52:A:MET:HG3	19	0.54
(1,475)	1:51:A:PRO:HG3	1:52:A:MET:HG2	19	0.54
(1,475)	1:51:A:PRO:HG3	1:52:A:MET:HG3	19	0.54
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD11	6	0.54
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD12	6	0.54
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD13	6	0.54
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD21	6	0.54
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD22	6	0.54
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD23	6	0.54
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD11	17	0.54
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD12	17	0.54
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD13	17	0.54
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD21	17	0.54
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD22	17	0.54
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD23	17	0.54
(1,433)	1:46:A:PHE:HD1	1:62:A:THR:HB	13	0.54
(1,433)	1:46:A:PHE:HD2	1:62:A:THR:HB	13	0.54
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD11	2	0.54
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD12	2	0.54
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD13	2	0.54
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD21	2	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD22	2	0.54
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD23	2	0.54
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD11	9	0.54
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD12	9	0.54
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD13	9	0.54
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD21	9	0.54
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD22	9	0.54
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD23	9	0.54
(1,390)	1:42:A:LYS:HG2	1:45:A:GLU:HG2	9	0.54
(1,390)	1:42:A:LYS:HG2	1:45:A:GLU:HG3	9	0.54
(1,390)	1:42:A:LYS:HG3	1:45:A:GLU:HG2	9	0.54
(1,390)	1:42:A:LYS:HG3	1:45:A:GLU:HG3	9	0.54
(1,386)	1:42:A:LYS:HD2	1:66:A:ILE:H	1	0.54
(1,386)	1:42:A:LYS:HD3	1:66:A:ILE:H	1	0.54
(1,386)	1:42:A:LYS:HD2	1:66:A:ILE:H	5	0.54
(1,386)	1:42:A:LYS:HD3	1:66:A:ILE:H	5	0.54
(1,258)	1:32:A:ILE:HA	1:36:A:ALA:H	5	0.54
(1,244)	1:31:A:HIS:HA	1:34:A:LEU:HB2	17	0.54
(1,244)	1:31:A:HIS:HA	1:34:A:LEU:HB3	17	0.54
(1,224)	1:27:A:GLU:HB2	1:72:B:LYS:H	4	0.54
(1,224)	1:27:A:GLU:HB3	1:72:B:LYS:H	4	0.54
(1,224)	1:27:A:GLU:HB2	1:72:B:LYS:H	16	0.54
(1,224)	1:27:A:GLU:HB3	1:72:B:LYS:H	16	0.54
(1,113)	1:16:A:ILE:H	1:21:A:TYR:H	7	0.54
(1,113)	1:16:A:ILE:H	1:21:A:TYR:H	10	0.54
(1,112)	1:16:A:ILE:H	1:20:A:ASP:HA	12	0.54
(1,65)	1:12:A:VAL:HG11	1:33:A:ARG:HD2	12	0.54
(1,65)	1:12:A:VAL:HG11	1:33:A:ARG:HD3	12	0.54
(1,65)	1:12:A:VAL:HG12	1:33:A:ARG:HD2	12	0.54
(1,65)	1:12:A:VAL:HG12	1:33:A:ARG:HD3	12	0.54
(1,65)	1:12:A:VAL:HG13	1:33:A:ARG:HD2	12	0.54
(1,65)	1:12:A:VAL:HG13	1:33:A:ARG:HD3	12	0.54
(1,65)	1:12:A:VAL:HG21	1:33:A:ARG:HD2	12	0.54
(1,65)	1:12:A:VAL:HG21	1:33:A:ARG:HD3	12	0.54
(1,65)	1:12:A:VAL:HG22	1:33:A:ARG:HD2	12	0.54
(1,65)	1:12:A:VAL:HG22	1:33:A:ARG:HD3	12	0.54
(1,65)	1:12:A:VAL:HG23	1:33:A:ARG:HD2	12	0.54
(1,65)	1:12:A:VAL:HG23	1:33:A:ARG:HD3	12	0.54
(1,64)	1:12:A:VAL:HG11	1:33:A:ARG:HA	1	0.54
(1,64)	1:12:A:VAL:HG12	1:33:A:ARG:HA	1	0.54
(1,64)	1:12:A:VAL:HG13	1:33:A:ARG:HA	1	0.54
(1,64)	1:12:A:VAL:HG21	1:33:A:ARG:HA	1	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,64)	1:12:A:VAL:HG22	1:33:A:ARG:HA	1	0.54
(1,64)	1:12:A:VAL:HG23	1:33:A:ARG:HA	1	0.54
(1,62)	1:12:A:VAL:HG11	1:32:A:ILE:H	5	0.54
(1,62)	1:12:A:VAL:HG12	1:32:A:ILE:H	5	0.54
(1,62)	1:12:A:VAL:HG13	1:32:A:ILE:H	5	0.54
(1,62)	1:12:A:VAL:HG21	1:32:A:ILE:H	5	0.54
(1,62)	1:12:A:VAL:HG22	1:32:A:ILE:H	5	0.54
(1,62)	1:12:A:VAL:HG23	1:32:A:ILE:H	5	0.54
(1,62)	1:12:A:VAL:HG11	1:32:A:ILE:H	10	0.54
(1,62)	1:12:A:VAL:HG12	1:32:A:ILE:H	10	0.54
(1,62)	1:12:A:VAL:HG13	1:32:A:ILE:H	10	0.54
(1,62)	1:12:A:VAL:HG21	1:32:A:ILE:H	10	0.54
(1,62)	1:12:A:VAL:HG22	1:32:A:ILE:H	10	0.54
(1,62)	1:12:A:VAL:HG23	1:32:A:ILE:H	10	0.54
(1,53)	1:12:A:VAL:H	1:25:A:GLY:H	4	0.54
(1,24)	1:10:A:THR:H	1:26:A:ALA:HB1	14	0.54
(1,24)	1:10:A:THR:H	1:26:A:ALA:HB2	14	0.54
(1,24)	1:10:A:THR:H	1:26:A:ALA:HB3	14	0.54
(1,1770)	1:84:B:LEU:HD11	1:85:B:LYS:HA	1	0.53
(1,1770)	1:84:B:LEU:HD12	1:85:B:LYS:HA	1	0.53
(1,1770)	1:84:B:LEU:HD13	1:85:B:LYS:HA	1	0.53
(1,1770)	1:84:B:LEU:HD21	1:85:B:LYS:HA	1	0.53
(1,1770)	1:84:B:LEU:HD22	1:85:B:LYS:HA	1	0.53
(1,1770)	1:84:B:LEU:HD23	1:85:B:LYS:HA	1	0.53
(1,1769)	1:84:B:LEU:HD11	1:85:B:LYS:H	16	0.53
(1,1769)	1:84:B:LEU:HD12	1:85:B:LYS:H	16	0.53
(1,1769)	1:84:B:LEU:HD13	1:85:B:LYS:H	16	0.53
(1,1769)	1:84:B:LEU:HD21	1:85:B:LYS:H	16	0.53
(1,1769)	1:84:B:LEU:HD22	1:85:B:LYS:H	16	0.53
(1,1769)	1:84:B:LEU:HD23	1:85:B:LYS:H	16	0.53
(1,1746)	1:82:B:GLU:HA	1:85:B:LYS:HB2	7	0.53
(1,1746)	1:82:B:GLU:HA	1:85:B:LYS:HB3	7	0.53
(1,1653)	1:75:B:GLU:HG2	1:76:B:GLU:H	1	0.53
(1,1653)	1:75:B:GLU:HG3	1:76:B:GLU:H	1	0.53
(1,1653)	1:75:B:GLU:HG2	1:76:B:GLU:H	10	0.53
(1,1653)	1:75:B:GLU:HG3	1:76:B:GLU:H	10	0.53
(1,1608)	1:73:B:LEU:HG	1:74:B:LYS:H	6	0.53
(1,1595)	1:72:B:LYS:HA	1:75:B:GLU:HG2	5	0.53
(1,1595)	1:72:B:LYS:HA	1:75:B:GLU:HG3	5	0.53
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD11	11	0.53
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD12	11	0.53
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD13	11	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1459)	1:60:B:VAL:HB	1:63:B:ALA:HB1	17	0.53
(1,1459)	1:60:B:VAL:HB	1:63:B:ALA:HB2	17	0.53
(1,1459)	1:60:B:VAL:HB	1:63:B:ALA:HB3	17	0.53
(1,1400)	1:51:B:PRO:HG2	1:52:B:MET:HG2	9	0.53
(1,1400)	1:51:B:PRO:HG2	1:52:B:MET:HG3	9	0.53
(1,1400)	1:51:B:PRO:HG3	1:52:B:MET:HG2	9	0.53
(1,1400)	1:51:B:PRO:HG3	1:52:B:MET:HG3	9	0.53
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD11	2	0.53
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD12	2	0.53
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD13	2	0.53
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD21	2	0.53
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD22	2	0.53
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD23	2	0.53
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD11	18	0.53
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD12	18	0.53
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD13	18	0.53
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD21	18	0.53
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD22	18	0.53
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD23	18	0.53
(1,1362)	1:47:B:SER:H	1:58:B:LEU:HG	17	0.53
(1,1362)	1:47:B:SER:H	1:58:B:LEU:HG	19	0.53
(1,1358)	1:46:B:PHE:HD1	1:62:B:THR:HB	1	0.53
(1,1358)	1:46:B:PHE:HD2	1:62:B:THR:HB	1	0.53
(1,1358)	1:46:B:PHE:HD1	1:62:B:THR:HB	3	0.53
(1,1358)	1:46:B:PHE:HD2	1:62:B:THR:HB	3	0.53
(1,1324)	1:43:B:MET:HB2	1:58:B:LEU:HG	7	0.53
(1,1324)	1:43:B:MET:HB3	1:58:B:LEU:HG	7	0.53
(1,1324)	1:43:B:MET:HB2	1:58:B:LEU:HG	11	0.53
(1,1324)	1:43:B:MET:HB3	1:58:B:LEU:HG	11	0.53
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD11	4	0.53
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD12	4	0.53
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD13	4	0.53
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD21	4	0.53
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD22	4	0.53
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD23	4	0.53
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD11	7	0.53
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD12	7	0.53
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD13	7	0.53
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD21	7	0.53
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD22	7	0.53
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD23	7	0.53
(1,1311)	1:42:B:LYS:HD2	1:66:B:ILE:H	15	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1311)	1:42:B:LYS:HD3	1:66:B:ILE:H	15	0.53
(1,1304)	1:42:B:LYS:H	1:62:B:THR:HG21	3	0.53
(1,1304)	1:42:B:LYS:H	1:62:B:THR:HG22	3	0.53
(1,1304)	1:42:B:LYS:H	1:62:B:THR:HG23	3	0.53
(1,1215)	1:32:B:ILE:HA	1:36:B:ALA:H	13	0.53
(1,1215)	1:32:B:ILE:HA	1:36:B:ALA:H	19	0.53
(1,1201)	1:31:B:HIS:HA	1:34:B:LEU:HB2	13	0.53
(1,1201)	1:31:B:HIS:HA	1:34:B:LEU:HB3	13	0.53
(1,1201)	1:31:B:HIS:HA	1:34:B:LEU:HB2	17	0.53
(1,1201)	1:31:B:HIS:HA	1:34:B:LEU:HB3	17	0.53
(1,1197)	1:30:B:ALA:HB1	1:33:B:ARG:HD2	6	0.53
(1,1197)	1:30:B:ALA:HB1	1:33:B:ARG:HD3	6	0.53
(1,1197)	1:30:B:ALA:HB2	1:33:B:ARG:HD2	6	0.53
(1,1197)	1:30:B:ALA:HB2	1:33:B:ARG:HD3	6	0.53
(1,1197)	1:30:B:ALA:HB3	1:33:B:ARG:HD2	6	0.53
(1,1197)	1:30:B:ALA:HB3	1:33:B:ARG:HD3	6	0.53
(1,1197)	1:30:B:ALA:HB1	1:33:B:ARG:HD2	10	0.53
(1,1197)	1:30:B:ALA:HB1	1:33:B:ARG:HD3	10	0.53
(1,1197)	1:30:B:ALA:HB2	1:33:B:ARG:HD2	10	0.53
(1,1197)	1:30:B:ALA:HB2	1:33:B:ARG:HD3	10	0.53
(1,1197)	1:30:B:ALA:HB3	1:33:B:ARG:HD2	10	0.53
(1,1197)	1:30:B:ALA:HB3	1:33:B:ARG:HD3	10	0.53
(1,1094)	1:16:B:ILE:H	1:21:B:TYR:H	7	0.53
(1,1059)	1:14:B:VAL:H	1:22:B:THR:HG21	7	0.53
(1,1059)	1:14:B:VAL:H	1:22:B:THR:HG22	7	0.53
(1,1059)	1:14:B:VAL:H	1:22:B:THR:HG23	7	0.53
(1,1043)	1:12:B:VAL:HG11	1:32:B:ILE:H	7	0.53
(1,1043)	1:12:B:VAL:HG12	1:32:B:ILE:H	7	0.53
(1,1043)	1:12:B:VAL:HG13	1:32:B:ILE:H	7	0.53
(1,1043)	1:12:B:VAL:HG21	1:32:B:ILE:H	7	0.53
(1,1043)	1:12:B:VAL:HG22	1:32:B:ILE:H	7	0.53
(1,1043)	1:12:B:VAL:HG23	1:32:B:ILE:H	7	0.53
(1,1034)	1:12:B:VAL:H	1:25:B:GLY:H	4	0.53
(1,1034)	1:12:B:VAL:H	1:25:B:GLY:H	10	0.53
(1,1034)	1:12:B:VAL:H	1:25:B:GLY:H	11	0.53
(1,1034)	1:12:B:VAL:H	1:25:B:GLY:H	12	0.53
(1,1033)	1:12:B:VAL:H	1:24:B:VAL:HA	15	0.53
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG11	4	0.53
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG12	4	0.53
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG13	4	0.53
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG21	4	0.53
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG22	4	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG23	4	0.53
(1,1016)	1:11:B:ARG:H	1:24:B:VAL:HA	18	0.53
(1,938)	1:81:A:ARG:HG3	1:77:B:TYR:HE1	17	0.53
(1,938)	1:81:A:ARG:HG3	1:77:B:TYR:HE2	17	0.53
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	6	0.53
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	6	0.53
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	13	0.53
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	13	0.53
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	18	0.53
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	18	0.53
(1,916)	1:80:A:LEU:HD21	1:81:A:ARG:HA	17	0.53
(1,916)	1:80:A:LEU:HD22	1:81:A:ARG:HA	17	0.53
(1,916)	1:80:A:LEU:HD23	1:81:A:ARG:HA	17	0.53
(1,873)	1:77:A:TYR:HE1	1:76:B:GLU:HG2	5	0.53
(1,873)	1:77:A:TYR:HE1	1:76:B:GLU:HG3	5	0.53
(1,873)	1:77:A:TYR:HE2	1:76:B:GLU:HG2	5	0.53
(1,873)	1:77:A:TYR:HE2	1:76:B:GLU:HG3	5	0.53
(1,873)	1:77:A:TYR:HE1	1:76:B:GLU:HG2	16	0.53
(1,873)	1:77:A:TYR:HE1	1:76:B:GLU:HG3	16	0.53
(1,873)	1:77:A:TYR:HE2	1:76:B:GLU:HG2	16	0.53
(1,873)	1:77:A:TYR:HE2	1:76:B:GLU:HG3	16	0.53
(1,857)	1:76:A:GLU:HG2	1:77:B:TYR:HE1	10	0.53
(1,857)	1:76:A:GLU:HG2	1:77:B:TYR:HE2	10	0.53
(1,857)	1:76:A:GLU:HG3	1:77:B:TYR:HE1	10	0.53
(1,857)	1:76:A:GLU:HG3	1:77:B:TYR:HE2	10	0.53
(1,857)	1:76:A:GLU:HG2	1:77:B:TYR:HE1	12	0.53
(1,857)	1:76:A:GLU:HG2	1:77:B:TYR:HE2	12	0.53
(1,857)	1:76:A:GLU:HG3	1:77:B:TYR:HE1	12	0.53
(1,857)	1:76:A:GLU:HG3	1:77:B:TYR:HE2	12	0.53
(1,777)	1:72:A:LYS:HG2	1:27:B:GLU:HG2	10	0.53
(1,777)	1:72:A:LYS:HG2	1:27:B:GLU:HG3	10	0.53
(1,765)	1:72:A:LYS:H	1:27:B:GLU:HB2	1	0.53
(1,765)	1:72:A:LYS:H	1:27:B:GLU:HB3	1	0.53
(1,765)	1:72:A:LYS:H	1:27:B:GLU:HB2	12	0.53
(1,765)	1:72:A:LYS:H	1:27:B:GLU:HB3	12	0.53
(1,737)	1:71:A:LEU:H	1:70:B:TYR:HE1	6	0.53
(1,737)	1:71:A:LEU:H	1:70:B:TYR:HE2	6	0.53
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD21	6	0.53
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD22	6	0.53
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD23	6	0.53
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD21	6	0.53
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD22	6	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD23	6	0.53
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD11	6	0.53
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD12	6	0.53
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD13	6	0.53
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD21	6	0.53
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD22	6	0.53
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD23	6	0.53
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD11	6	0.53
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD12	6	0.53
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD13	6	0.53
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD21	6	0.53
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD22	6	0.53
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD23	6	0.53
(1,724)	1:70:A:TYR:HA	1:73:A:LEU:HG	19	0.53
(1,675)	1:66:A:ILE:HG21	1:63:B:ALA:HA	3	0.53
(1,675)	1:66:A:ILE:HG22	1:63:B:ALA:HA	3	0.53
(1,675)	1:66:A:ILE:HG23	1:63:B:ALA:HA	3	0.53
(1,675)	1:66:A:ILE:HG21	1:63:B:ALA:HA	18	0.53
(1,675)	1:66:A:ILE:HG22	1:63:B:ALA:HA	18	0.53
(1,675)	1:66:A:ILE:HG23	1:63:B:ALA:HA	18	0.53
(1,665)	1:65:A:GLN:HG2	1:23:B:ILE:HD11	5	0.53
(1,665)	1:65:A:GLN:HG2	1:23:B:ILE:HD12	5	0.53
(1,665)	1:65:A:GLN:HG2	1:23:B:ILE:HD13	5	0.53
(1,665)	1:65:A:GLN:HG3	1:23:B:ILE:HD11	5	0.53
(1,665)	1:65:A:GLN:HG3	1:23:B:ILE:HD12	5	0.53
(1,665)	1:65:A:GLN:HG3	1:23:B:ILE:HD13	5	0.53
(1,507)	1:56:A:PRO:HG3	1:57:A:LYS:H	3	0.53
(1,504)	1:56:A:PRO:HG2	1:56:B:PRO:HA	11	0.53
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG11	18	0.53
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG12	18	0.53
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG13	18	0.53
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG21	18	0.53
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG22	18	0.53
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG23	18	0.53
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD11	8	0.53
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD12	8	0.53
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD13	8	0.53
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD21	8	0.53
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD22	8	0.53
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD23	8	0.53
(1,475)	1:51:A:PRO:HG2	1:52:A:MET:HG2	5	0.53
(1,475)	1:51:A:PRO:HG2	1:52:A:MET:HG3	5	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,475)	1:51:A:PRO:HG3	1:52:A:MET:HG2	5	0.53
(1,475)	1:51:A:PRO:HG3	1:52:A:MET:HG3	5	0.53
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD11	4	0.53
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD12	4	0.53
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD13	4	0.53
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD21	4	0.53
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD22	4	0.53
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD23	4	0.53
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD11	7	0.53
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD12	7	0.53
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD13	7	0.53
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD21	7	0.53
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD22	7	0.53
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD23	7	0.53
(1,437)	1:47:A:SER:H	1:58:A:LEU:HG	11	0.53
(1,433)	1:46:A:PHE:HD1	1:62:A:THR:HB	18	0.53
(1,433)	1:46:A:PHE:HD2	1:62:A:THR:HB	18	0.53
(1,399)	1:43:A:MET:HB2	1:58:A:LEU:HG	10	0.53
(1,399)	1:43:A:MET:HB3	1:58:A:LEU:HG	10	0.53
(1,394)	1:43:A:MET:H	1:62:A:THR:HB	2	0.53
(1,394)	1:43:A:MET:H	1:62:A:THR:HB	10	0.53
(1,386)	1:42:A:LYS:HD2	1:66:A:ILE:H	4	0.53
(1,386)	1:42:A:LYS:HD3	1:66:A:ILE:H	4	0.53
(1,316)	1:36:A:ALA:HA	1:39:A:VAL:HB	11	0.53
(1,309)	1:35:A:VAL:HG11	1:38:A:PHE:HD1	7	0.53
(1,309)	1:35:A:VAL:HG11	1:38:A:PHE:HD2	7	0.53
(1,309)	1:35:A:VAL:HG12	1:38:A:PHE:HD1	7	0.53
(1,309)	1:35:A:VAL:HG12	1:38:A:PHE:HD2	7	0.53
(1,309)	1:35:A:VAL:HG13	1:38:A:PHE:HD1	7	0.53
(1,309)	1:35:A:VAL:HG13	1:38:A:PHE:HD2	7	0.53
(1,309)	1:35:A:VAL:HG21	1:38:A:PHE:HD1	7	0.53
(1,309)	1:35:A:VAL:HG21	1:38:A:PHE:HD2	7	0.53
(1,309)	1:35:A:VAL:HG22	1:38:A:PHE:HD1	7	0.53
(1,309)	1:35:A:VAL:HG22	1:38:A:PHE:HD2	7	0.53
(1,309)	1:35:A:VAL:HG23	1:38:A:PHE:HD1	7	0.53
(1,309)	1:35:A:VAL:HG23	1:38:A:PHE:HD2	7	0.53
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB1	16	0.53
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB2	16	0.53
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB3	16	0.53
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB1	16	0.53
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB2	16	0.53
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB3	16	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB1	16	0.53
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB2	16	0.53
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB3	16	0.53
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB1	16	0.53
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB2	16	0.53
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB3	16	0.53
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB1	16	0.53
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB2	16	0.53
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB3	16	0.53
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB1	16	0.53
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB2	16	0.53
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB3	16	0.53
(1,258)	1:32:A:ILE:HA	1:36:A:ALA:H	9	0.53
(1,224)	1:27:A:GLU:HB2	1:72:B:LYS:H	12	0.53
(1,224)	1:27:A:GLU:HB3	1:72:B:LYS:H	12	0.53
(1,224)	1:27:A:GLU:HB2	1:72:B:LYS:H	18	0.53
(1,224)	1:27:A:GLU:HB3	1:72:B:LYS:H	18	0.53
(1,133)	1:16:A:ILE:HG21	1:60:B:VAL:HB	16	0.53
(1,133)	1:16:A:ILE:HG22	1:60:B:VAL:HB	16	0.53
(1,133)	1:16:A:ILE:HG23	1:60:B:VAL:HB	16	0.53
(1,64)	1:12:A:VAL:HG11	1:33:A:ARG:HA	7	0.53
(1,64)	1:12:A:VAL:HG12	1:33:A:ARG:HA	7	0.53
(1,64)	1:12:A:VAL:HG13	1:33:A:ARG:HA	7	0.53
(1,64)	1:12:A:VAL:HG21	1:33:A:ARG:HA	7	0.53
(1,64)	1:12:A:VAL:HG22	1:33:A:ARG:HA	7	0.53
(1,64)	1:12:A:VAL:HG23	1:33:A:ARG:HA	7	0.53
(1,62)	1:12:A:VAL:HG11	1:32:A:ILE:H	4	0.53
(1,62)	1:12:A:VAL:HG12	1:32:A:ILE:H	4	0.53
(1,62)	1:12:A:VAL:HG13	1:32:A:ILE:H	4	0.53
(1,62)	1:12:A:VAL:HG21	1:32:A:ILE:H	4	0.53
(1,62)	1:12:A:VAL:HG22	1:32:A:ILE:H	4	0.53
(1,62)	1:12:A:VAL:HG23	1:32:A:ILE:H	4	0.53
(1,62)	1:12:A:VAL:HG11	1:32:A:ILE:H	14	0.53
(1,62)	1:12:A:VAL:HG12	1:32:A:ILE:H	14	0.53
(1,62)	1:12:A:VAL:HG13	1:32:A:ILE:H	14	0.53
(1,62)	1:12:A:VAL:HG21	1:32:A:ILE:H	14	0.53
(1,62)	1:12:A:VAL:HG22	1:32:A:ILE:H	14	0.53
(1,62)	1:12:A:VAL:HG23	1:32:A:ILE:H	14	0.53
(1,53)	1:12:A:VAL:H	1:25:A:GLY:H	10	0.53
(1,52)	1:12:A:VAL:H	1:24:A:VAL:HA	16	0.53
(1,52)	1:12:A:VAL:H	1:24:A:VAL:HA	17	0.53
(1,29)	1:10:A:THR:HG21	1:12:A:VAL:HA	1	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,29)	1:10:A:THR:HG22	1:12:A:VAL:HA	1	0.53
(1,29)	1:10:A:THR:HG23	1:12:A:VAL:HA	1	0.53
(1,23)	1:10:A:THR:H	1:26:A:ALA:HA	3	0.53
(1,22)	1:10:A:THR:H	1:25:A:GLY:H	1	0.53
(1,1770)	1:84:B:LEU:HD11	1:85:B:LYS:HA	18	0.52
(1,1770)	1:84:B:LEU:HD12	1:85:B:LYS:HA	18	0.52
(1,1770)	1:84:B:LEU:HD13	1:85:B:LYS:HA	18	0.52
(1,1770)	1:84:B:LEU:HD21	1:85:B:LYS:HA	18	0.52
(1,1770)	1:84:B:LEU:HD22	1:85:B:LYS:HA	18	0.52
(1,1770)	1:84:B:LEU:HD23	1:85:B:LYS:HA	18	0.52
(1,1770)	1:84:B:LEU:HD11	1:85:B:LYS:HA	19	0.52
(1,1770)	1:84:B:LEU:HD12	1:85:B:LYS:HA	19	0.52
(1,1770)	1:84:B:LEU:HD13	1:85:B:LYS:HA	19	0.52
(1,1770)	1:84:B:LEU:HD21	1:85:B:LYS:HA	19	0.52
(1,1770)	1:84:B:LEU:HD22	1:85:B:LYS:HA	19	0.52
(1,1770)	1:84:B:LEU:HD23	1:85:B:LYS:HA	19	0.52
(1,1762)	1:83:B:GLN:HG2	1:84:B:LEU:HD11	11	0.52
(1,1762)	1:83:B:GLN:HG2	1:84:B:LEU:HD12	11	0.52
(1,1762)	1:83:B:GLN:HG2	1:84:B:LEU:HD13	11	0.52
(1,1762)	1:83:B:GLN:HG2	1:84:B:LEU:HD21	11	0.52
(1,1762)	1:83:B:GLN:HG2	1:84:B:LEU:HD22	11	0.52
(1,1762)	1:83:B:GLN:HG2	1:84:B:LEU:HD23	11	0.52
(1,1762)	1:83:B:GLN:HG3	1:84:B:LEU:HD11	11	0.52
(1,1762)	1:83:B:GLN:HG3	1:84:B:LEU:HD12	11	0.52
(1,1762)	1:83:B:GLN:HG3	1:84:B:LEU:HD13	11	0.52
(1,1762)	1:83:B:GLN:HG3	1:84:B:LEU:HD21	11	0.52
(1,1762)	1:83:B:GLN:HG3	1:84:B:LEU:HD22	11	0.52
(1,1762)	1:83:B:GLN:HG3	1:84:B:LEU:HD23	11	0.52
(1,1746)	1:82:B:GLU:HA	1:85:B:LYS:HB2	15	0.52
(1,1746)	1:82:B:GLU:HA	1:85:B:LYS:HB3	15	0.52
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD11	7	0.52
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD12	7	0.52
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD13	7	0.52
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD21	7	0.52
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD22	7	0.52
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD23	7	0.52
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD11	7	0.52
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD12	7	0.52
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD13	7	0.52
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD21	7	0.52
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD22	7	0.52
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD23	7	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1673)	1:77:B:TYR:HA	1:80:B:LEU:H	5	0.52
(1,1612)	1:73:B:LEU:HD21	1:74:B:LYS:HA	1	0.52
(1,1612)	1:73:B:LEU:HD22	1:74:B:LYS:HA	1	0.52
(1,1612)	1:73:B:LEU:HD23	1:74:B:LYS:HA	1	0.52
(1,1608)	1:73:B:LEU:HG	1:74:B:LYS:H	2	0.52
(1,1576)	1:71:B:LEU:HA	1:74:B:LYS:HE2	18	0.52
(1,1576)	1:71:B:LEU:HA	1:74:B:LYS:HE3	18	0.52
(1,1576)	1:71:B:LEU:HA	1:74:B:LYS:HE2	19	0.52
(1,1576)	1:71:B:LEU:HA	1:74:B:LYS:HE3	19	0.52
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD11	19	0.52
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD12	19	0.52
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD13	19	0.52
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD21	19	0.52
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD22	19	0.52
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD23	19	0.52
(1,1400)	1:51:B:PRO:HG2	1:52:B:MET:HG2	11	0.52
(1,1400)	1:51:B:PRO:HG2	1:52:B:MET:HG3	11	0.52
(1,1400)	1:51:B:PRO:HG3	1:52:B:MET:HG2	11	0.52
(1,1400)	1:51:B:PRO:HG3	1:52:B:MET:HG3	11	0.52
(1,1400)	1:51:B:PRO:HG2	1:52:B:MET:HG2	12	0.52
(1,1400)	1:51:B:PRO:HG2	1:52:B:MET:HG3	12	0.52
(1,1400)	1:51:B:PRO:HG3	1:52:B:MET:HG2	12	0.52
(1,1400)	1:51:B:PRO:HG3	1:52:B:MET:HG3	12	0.52
(1,1374)	1:48:B:GLU:HG2	1:49:B:LYS:H	18	0.52
(1,1374)	1:48:B:GLU:HG3	1:49:B:LYS:H	18	0.52
(1,1362)	1:47:B:SER:H	1:58:B:LEU:HG	20	0.52
(1,1358)	1:46:B:PHE:HD1	1:62:B:THR:HB	5	0.52
(1,1358)	1:46:B:PHE:HD2	1:62:B:THR:HB	5	0.52
(1,1358)	1:46:B:PHE:HD1	1:62:B:THR:HB	11	0.52
(1,1358)	1:46:B:PHE:HD2	1:62:B:THR:HB	11	0.52
(1,1358)	1:46:B:PHE:HD1	1:62:B:THR:HB	19	0.52
(1,1358)	1:46:B:PHE:HD2	1:62:B:THR:HB	19	0.52
(1,1357)	1:46:B:PHE:HD1	1:62:B:THR:H	3	0.52
(1,1357)	1:46:B:PHE:HD2	1:62:B:THR:H	3	0.52
(1,1351)	1:46:B:PHE:HA	1:49:B:LYS:HD2	10	0.52
(1,1351)	1:46:B:PHE:HA	1:49:B:LYS:HD3	10	0.52
(1,1324)	1:43:B:MET:HB2	1:58:B:LEU:HG	12	0.52
(1,1324)	1:43:B:MET:HB3	1:58:B:LEU:HG	12	0.52
(1,1319)	1:43:B:MET:H	1:62:B:THR:HB	17	0.52
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD11	14	0.52
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD12	14	0.52
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD13	14	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD21	14	0.52
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD22	14	0.52
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD23	14	0.52
(1,1311)	1:42:B:LYS:HD2	1:66:B:ILE:H	8	0.52
(1,1311)	1:42:B:LYS:HD3	1:66:B:ILE:H	8	0.52
(1,1278)	1:38:B:PHE:HD1	1:66:B:ILE:HG21	20	0.52
(1,1278)	1:38:B:PHE:HD1	1:66:B:ILE:HG22	20	0.52
(1,1278)	1:38:B:PHE:HD1	1:66:B:ILE:HG23	20	0.52
(1,1278)	1:38:B:PHE:HD2	1:66:B:ILE:HG21	20	0.52
(1,1278)	1:38:B:PHE:HD2	1:66:B:ILE:HG22	20	0.52
(1,1278)	1:38:B:PHE:HD2	1:66:B:ILE:HG23	20	0.52
(1,1255)	1:35:B:VAL:HG11	1:38:B:PHE:HD1	7	0.52
(1,1255)	1:35:B:VAL:HG11	1:38:B:PHE:HD2	7	0.52
(1,1255)	1:35:B:VAL:HG12	1:38:B:PHE:HD1	7	0.52
(1,1255)	1:35:B:VAL:HG12	1:38:B:PHE:HD2	7	0.52
(1,1255)	1:35:B:VAL:HG13	1:38:B:PHE:HD1	7	0.52
(1,1255)	1:35:B:VAL:HG13	1:38:B:PHE:HD2	7	0.52
(1,1255)	1:35:B:VAL:HG21	1:38:B:PHE:HD1	7	0.52
(1,1255)	1:35:B:VAL:HG21	1:38:B:PHE:HD2	7	0.52
(1,1255)	1:35:B:VAL:HG22	1:38:B:PHE:HD1	7	0.52
(1,1255)	1:35:B:VAL:HG22	1:38:B:PHE:HD2	7	0.52
(1,1255)	1:35:B:VAL:HG23	1:38:B:PHE:HD1	7	0.52
(1,1255)	1:35:B:VAL:HG23	1:38:B:PHE:HD2	7	0.52
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB1	20	0.52
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB2	20	0.52
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB3	20	0.52
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB1	20	0.52
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB2	20	0.52
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB3	20	0.52
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB1	20	0.52
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB2	20	0.52
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB3	20	0.52
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB1	20	0.52
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB2	20	0.52
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB3	20	0.52
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB1	20	0.52
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB2	20	0.52
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB3	20	0.52
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB1	20	0.52
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB2	20	0.52
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB3	20	0.52
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD11	6	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD12	6	0.52
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD13	6	0.52
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD21	6	0.52
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD22	6	0.52
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD23	6	0.52
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD11	6	0.52
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD12	6	0.52
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD13	6	0.52
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD21	6	0.52
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD22	6	0.52
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD23	6	0.52
(1,1119)	1:17:B:TYR:HB2	1:43:B:MET:HB2	18	0.52
(1,1119)	1:17:B:TYR:HB2	1:43:B:MET:HB3	18	0.52
(1,1119)	1:17:B:TYR:HB3	1:43:B:MET:HB2	18	0.52
(1,1119)	1:17:B:TYR:HB3	1:43:B:MET:HB3	18	0.52
(1,1083)	1:15:B:ARG:HD2	1:19:B:GLN:H	8	0.52
(1,1083)	1:15:B:ARG:HD3	1:19:B:GLN:H	8	0.52
(1,1046)	1:12:B:VAL:HG11	1:33:B:ARG:HD2	2	0.52
(1,1046)	1:12:B:VAL:HG11	1:33:B:ARG:HD3	2	0.52
(1,1046)	1:12:B:VAL:HG12	1:33:B:ARG:HD2	2	0.52
(1,1046)	1:12:B:VAL:HG12	1:33:B:ARG:HD3	2	0.52
(1,1046)	1:12:B:VAL:HG13	1:33:B:ARG:HD2	2	0.52
(1,1046)	1:12:B:VAL:HG13	1:33:B:ARG:HD3	2	0.52
(1,1046)	1:12:B:VAL:HG21	1:33:B:ARG:HD2	2	0.52
(1,1046)	1:12:B:VAL:HG21	1:33:B:ARG:HD3	2	0.52
(1,1046)	1:12:B:VAL:HG22	1:33:B:ARG:HD2	2	0.52
(1,1046)	1:12:B:VAL:HG22	1:33:B:ARG:HD3	2	0.52
(1,1046)	1:12:B:VAL:HG23	1:33:B:ARG:HD2	2	0.52
(1,1046)	1:12:B:VAL:HG23	1:33:B:ARG:HD3	2	0.52
(1,1045)	1:12:B:VAL:HG11	1:33:B:ARG:HA	16	0.52
(1,1045)	1:12:B:VAL:HG12	1:33:B:ARG:HA	16	0.52
(1,1045)	1:12:B:VAL:HG13	1:33:B:ARG:HA	16	0.52
(1,1045)	1:12:B:VAL:HG21	1:33:B:ARG:HA	16	0.52
(1,1045)	1:12:B:VAL:HG22	1:33:B:ARG:HA	16	0.52
(1,1045)	1:12:B:VAL:HG23	1:33:B:ARG:HA	16	0.52
(1,1042)	1:12:B:VAL:HG11	1:29:B:PRO:HA	9	0.52
(1,1042)	1:12:B:VAL:HG12	1:29:B:PRO:HA	9	0.52
(1,1042)	1:12:B:VAL:HG13	1:29:B:PRO:HA	9	0.52
(1,1042)	1:12:B:VAL:HG21	1:29:B:PRO:HA	9	0.52
(1,1042)	1:12:B:VAL:HG22	1:29:B:PRO:HA	9	0.52
(1,1042)	1:12:B:VAL:HG23	1:29:B:PRO:HA	9	0.52
(1,1038)	1:12:B:VAL:HB	1:25:B:GLY:H	1	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1038)	1:12:B:VAL:HB	1:25:B:GLY:H	16	0.52
(1,1034)	1:12:B:VAL:H	1:25:B:GLY:H	1	0.52
(1,1034)	1:12:B:VAL:H	1:25:B:GLY:H	6	0.52
(1,1034)	1:12:B:VAL:H	1:25:B:GLY:H	16	0.52
(1,1034)	1:12:B:VAL:H	1:25:B:GLY:H	20	0.52
(1,1033)	1:12:B:VAL:H	1:24:B:VAL:HA	1	0.52
(1,1021)	1:11:B:ARG:HA	1:24:B:VAL:HA	18	0.52
(1,974)	1:84:A:LEU:HD11	1:85:A:LYS:HA	3	0.52
(1,974)	1:84:A:LEU:HD12	1:85:A:LYS:HA	3	0.52
(1,974)	1:84:A:LEU:HD13	1:85:A:LYS:HA	3	0.52
(1,974)	1:84:A:LEU:HD21	1:85:A:LYS:HA	3	0.52
(1,974)	1:84:A:LEU:HD22	1:85:A:LYS:HA	3	0.52
(1,974)	1:84:A:LEU:HD23	1:85:A:LYS:HA	3	0.52
(1,973)	1:84:A:LEU:HD11	1:85:A:LYS:H	18	0.52
(1,973)	1:84:A:LEU:HD12	1:85:A:LYS:H	18	0.52
(1,973)	1:84:A:LEU:HD13	1:85:A:LYS:H	18	0.52
(1,973)	1:84:A:LEU:HD21	1:85:A:LYS:H	18	0.52
(1,973)	1:84:A:LEU:HD22	1:85:A:LYS:H	18	0.52
(1,973)	1:84:A:LEU:HD23	1:85:A:LYS:H	18	0.52
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD11	11	0.52
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD12	11	0.52
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD13	11	0.52
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD21	11	0.52
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD22	11	0.52
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD23	11	0.52
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD11	11	0.52
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD12	11	0.52
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD13	11	0.52
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD21	11	0.52
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD22	11	0.52
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD23	11	0.52
(1,938)	1:81:A:ARG:HG3	1:77:B:TYR:HE1	4	0.52
(1,938)	1:81:A:ARG:HG3	1:77:B:TYR:HE2	4	0.52
(1,938)	1:81:A:ARG:HG3	1:77:B:TYR:HE1	9	0.52
(1,938)	1:81:A:ARG:HG3	1:77:B:TYR:HE2	9	0.52
(1,938)	1:81:A:ARG:HG3	1:77:B:TYR:HE1	11	0.52
(1,938)	1:81:A:ARG:HG3	1:77:B:TYR:HE2	11	0.52
(1,922)	1:80:A:LEU:HD11	1:82:A:GLU:H	2	0.52
(1,922)	1:80:A:LEU:HD12	1:82:A:GLU:H	2	0.52
(1,922)	1:80:A:LEU:HD13	1:82:A:GLU:H	2	0.52
(1,922)	1:80:A:LEU:HD21	1:82:A:GLU:H	2	0.52
(1,922)	1:80:A:LEU:HD22	1:82:A:GLU:H	2	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,922)	1:80:A:LEU:HD23	1:82:A:GLU:H	2	0.52
(1,920)	1:80:A:LEU:HD11	1:81:A:ARG:HD2	1	0.52
(1,920)	1:80:A:LEU:HD11	1:81:A:ARG:HD3	1	0.52
(1,920)	1:80:A:LEU:HD12	1:81:A:ARG:HD2	1	0.52
(1,920)	1:80:A:LEU:HD12	1:81:A:ARG:HD3	1	0.52
(1,920)	1:80:A:LEU:HD13	1:81:A:ARG:HD2	1	0.52
(1,920)	1:80:A:LEU:HD13	1:81:A:ARG:HD3	1	0.52
(1,920)	1:80:A:LEU:HD21	1:81:A:ARG:HD2	1	0.52
(1,920)	1:80:A:LEU:HD21	1:81:A:ARG:HD3	1	0.52
(1,920)	1:80:A:LEU:HD22	1:81:A:ARG:HD2	1	0.52
(1,920)	1:80:A:LEU:HD22	1:81:A:ARG:HD3	1	0.52
(1,920)	1:80:A:LEU:HD23	1:81:A:ARG:HD2	1	0.52
(1,920)	1:80:A:LEU:HD23	1:81:A:ARG:HD3	1	0.52
(1,920)	1:80:A:LEU:HD11	1:81:A:ARG:HD2	18	0.52
(1,920)	1:80:A:LEU:HD11	1:81:A:ARG:HD3	18	0.52
(1,920)	1:80:A:LEU:HD12	1:81:A:ARG:HD2	18	0.52
(1,920)	1:80:A:LEU:HD12	1:81:A:ARG:HD3	18	0.52
(1,920)	1:80:A:LEU:HD13	1:81:A:ARG:HD2	18	0.52
(1,920)	1:80:A:LEU:HD13	1:81:A:ARG:HD3	18	0.52
(1,920)	1:80:A:LEU:HD21	1:81:A:ARG:HD2	18	0.52
(1,920)	1:80:A:LEU:HD21	1:81:A:ARG:HD3	18	0.52
(1,920)	1:80:A:LEU:HD22	1:81:A:ARG:HD2	18	0.52
(1,920)	1:80:A:LEU:HD22	1:81:A:ARG:HD3	18	0.52
(1,920)	1:80:A:LEU:HD23	1:81:A:ARG:HD2	18	0.52
(1,920)	1:80:A:LEU:HD23	1:81:A:ARG:HD3	18	0.52
(1,877)	1:77:A:TYR:HE1	1:80:A:LEU:HD11	7	0.52
(1,877)	1:77:A:TYR:HE1	1:80:A:LEU:HD12	7	0.52
(1,877)	1:77:A:TYR:HE1	1:80:A:LEU:HD13	7	0.52
(1,877)	1:77:A:TYR:HE1	1:80:A:LEU:HD21	7	0.52
(1,877)	1:77:A:TYR:HE1	1:80:A:LEU:HD22	7	0.52
(1,877)	1:77:A:TYR:HE1	1:80:A:LEU:HD23	7	0.52
(1,877)	1:77:A:TYR:HE2	1:80:A:LEU:HD11	7	0.52
(1,877)	1:77:A:TYR:HE2	1:80:A:LEU:HD12	7	0.52
(1,877)	1:77:A:TYR:HE2	1:80:A:LEU:HD13	7	0.52
(1,877)	1:77:A:TYR:HE2	1:80:A:LEU:HD21	7	0.52
(1,877)	1:77:A:TYR:HE2	1:80:A:LEU:HD22	7	0.52
(1,877)	1:77:A:TYR:HE2	1:80:A:LEU:HD23	7	0.52
(1,873)	1:77:A:TYR:HE1	1:76:B:GLU:HG2	14	0.52
(1,873)	1:77:A:TYR:HE1	1:76:B:GLU:HG3	14	0.52
(1,873)	1:77:A:TYR:HE2	1:76:B:GLU:HG2	14	0.52
(1,873)	1:77:A:TYR:HE2	1:76:B:GLU:HG3	14	0.52
(1,873)	1:77:A:TYR:HE1	1:76:B:GLU:HG2	19	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,873)	1:77:A:TYR:HE1	1:76:B:GLU:HG3	19	0.52
(1,873)	1:77:A:TYR:HE2	1:76:B:GLU:HG2	19	0.52
(1,873)	1:77:A:TYR:HE2	1:76:B:GLU:HG3	19	0.52
(1,873)	1:77:A:TYR:HE1	1:76:B:GLU:HG2	20	0.52
(1,873)	1:77:A:TYR:HE1	1:76:B:GLU:HG3	20	0.52
(1,873)	1:77:A:TYR:HE2	1:76:B:GLU:HG2	20	0.52
(1,873)	1:77:A:TYR:HE2	1:76:B:GLU:HG3	20	0.52
(1,843)	1:75:A:GLU:HG2	1:27:B:GLU:HG2	8	0.52
(1,843)	1:75:A:GLU:HG2	1:27:B:GLU:HG3	8	0.52
(1,843)	1:75:A:GLU:HG3	1:27:B:GLU:HG2	8	0.52
(1,843)	1:75:A:GLU:HG3	1:27:B:GLU:HG3	8	0.52
(1,803)	1:73:A:LEU:HD11	1:76:A:GLU:HG2	1	0.52
(1,803)	1:73:A:LEU:HD11	1:76:A:GLU:HG3	1	0.52
(1,803)	1:73:A:LEU:HD12	1:76:A:GLU:HG2	1	0.52
(1,803)	1:73:A:LEU:HD12	1:76:A:GLU:HG3	1	0.52
(1,803)	1:73:A:LEU:HD13	1:76:A:GLU:HG2	1	0.52
(1,803)	1:73:A:LEU:HD13	1:76:A:GLU:HG3	1	0.52
(1,803)	1:73:A:LEU:HD21	1:76:A:GLU:HG2	1	0.52
(1,803)	1:73:A:LEU:HD21	1:76:A:GLU:HG3	1	0.52
(1,803)	1:73:A:LEU:HD22	1:76:A:GLU:HG2	1	0.52
(1,803)	1:73:A:LEU:HD22	1:76:A:GLU:HG3	1	0.52
(1,803)	1:73:A:LEU:HD23	1:76:A:GLU:HG2	1	0.52
(1,803)	1:73:A:LEU:HD23	1:76:A:GLU:HG3	1	0.52
(1,795)	1:73:A:LEU:HD21	1:74:A:LYS:HA	13	0.52
(1,795)	1:73:A:LEU:HD22	1:74:A:LYS:HA	13	0.52
(1,795)	1:73:A:LEU:HD23	1:74:A:LYS:HA	13	0.52
(1,791)	1:73:A:LEU:HG	1:74:A:LYS:H	3	0.52
(1,790)	1:73:A:LEU:HG	1:74:B:LYS:HE2	10	0.52
(1,790)	1:73:A:LEU:HG	1:74:B:LYS:HE3	10	0.52
(1,764)	1:71:A:LEU:HD11	1:74:A:LYS:HE2	6	0.52
(1,764)	1:71:A:LEU:HD11	1:74:A:LYS:HE3	6	0.52
(1,764)	1:71:A:LEU:HD12	1:74:A:LYS:HE2	6	0.52
(1,764)	1:71:A:LEU:HD12	1:74:A:LYS:HE3	6	0.52
(1,764)	1:71:A:LEU:HD13	1:74:A:LYS:HE2	6	0.52
(1,764)	1:71:A:LEU:HD13	1:74:A:LYS:HE3	6	0.52
(1,764)	1:71:A:LEU:HD21	1:74:A:LYS:HE2	6	0.52
(1,764)	1:71:A:LEU:HD21	1:74:A:LYS:HE3	6	0.52
(1,764)	1:71:A:LEU:HD22	1:74:A:LYS:HE2	6	0.52
(1,764)	1:71:A:LEU:HD22	1:74:A:LYS:HE3	6	0.52
(1,764)	1:71:A:LEU:HD23	1:74:A:LYS:HE2	6	0.52
(1,764)	1:71:A:LEU:HD23	1:74:A:LYS:HE3	6	0.52
(1,729)	1:70:A:TYR:HD1	1:67:B:ALA:HA	1	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,729)	1:70:A:TYR:HD2	1:67:B:ALA:HA	1	0.52
(1,729)	1:70:A:TYR:HD1	1:67:B:ALA:HA	19	0.52
(1,729)	1:70:A:TYR:HD2	1:67:B:ALA:HA	19	0.52
(1,729)	1:70:A:TYR:HD1	1:67:B:ALA:HA	20	0.52
(1,729)	1:70:A:TYR:HD2	1:67:B:ALA:HA	20	0.52
(1,710)	1:69:A:GLU:H	1:72:A:LYS:HG2	8	0.52
(1,710)	1:69:A:GLU:H	1:72:A:LYS:HG3	8	0.52
(1,675)	1:66:A:ILE:HG21	1:63:B:ALA:HA	5	0.52
(1,675)	1:66:A:ILE:HG22	1:63:B:ALA:HA	5	0.52
(1,675)	1:66:A:ILE:HG23	1:63:B:ALA:HA	5	0.52
(1,665)	1:65:A:GLN:HG2	1:23:B:ILE:HD11	20	0.52
(1,665)	1:65:A:GLN:HG2	1:23:B:ILE:HD12	20	0.52
(1,665)	1:65:A:GLN:HG2	1:23:B:ILE:HD13	20	0.52
(1,665)	1:65:A:GLN:HG3	1:23:B:ILE:HD11	20	0.52
(1,665)	1:65:A:GLN:HG3	1:23:B:ILE:HD12	20	0.52
(1,665)	1:65:A:GLN:HG3	1:23:B:ILE:HD13	20	0.52
(1,608)	1:62:A:THR:HB	1:65:A:GLN:HB2	19	0.52
(1,608)	1:62:A:THR:HB	1:65:A:GLN:HB3	19	0.52
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD11	3	0.52
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD12	3	0.52
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD13	3	0.52
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG11	7	0.52
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG12	7	0.52
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG13	7	0.52
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG21	7	0.52
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG22	7	0.52
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG23	7	0.52
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD11	10	0.52
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD12	10	0.52
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD13	10	0.52
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD21	10	0.52
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD22	10	0.52
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD23	10	0.52
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD11	14	0.52
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD12	14	0.52
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD13	14	0.52
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD21	14	0.52
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD22	14	0.52
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD23	14	0.52
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD11	20	0.52
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD12	20	0.52
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD13	20	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD21	20	0.52
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD22	20	0.52
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD23	20	0.52
(1,475)	1:51:A:PRO:HG2	1:52:A:MET:HG2	11	0.52
(1,475)	1:51:A:PRO:HG2	1:52:A:MET:HG3	11	0.52
(1,475)	1:51:A:PRO:HG3	1:52:A:MET:HG2	11	0.52
(1,475)	1:51:A:PRO:HG3	1:52:A:MET:HG3	11	0.52
(1,475)	1:51:A:PRO:HG2	1:52:A:MET:HG2	12	0.52
(1,475)	1:51:A:PRO:HG2	1:52:A:MET:HG3	12	0.52
(1,475)	1:51:A:PRO:HG3	1:52:A:MET:HG2	12	0.52
(1,475)	1:51:A:PRO:HG3	1:52:A:MET:HG3	12	0.52
(1,475)	1:51:A:PRO:HG2	1:52:A:MET:HG2	16	0.52
(1,475)	1:51:A:PRO:HG2	1:52:A:MET:HG3	16	0.52
(1,475)	1:51:A:PRO:HG3	1:52:A:MET:HG2	16	0.52
(1,475)	1:51:A:PRO:HG3	1:52:A:MET:HG3	16	0.52
(1,475)	1:51:A:PRO:HG2	1:52:A:MET:HG2	18	0.52
(1,475)	1:51:A:PRO:HG2	1:52:A:MET:HG3	18	0.52
(1,475)	1:51:A:PRO:HG3	1:52:A:MET:HG2	18	0.52
(1,475)	1:51:A:PRO:HG3	1:52:A:MET:HG3	18	0.52
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD11	9	0.52
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD12	9	0.52
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD13	9	0.52
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD21	9	0.52
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD22	9	0.52
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD23	9	0.52
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD11	20	0.52
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD12	20	0.52
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD13	20	0.52
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD21	20	0.52
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD22	20	0.52
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD23	20	0.52
(1,437)	1:47:A:SER:H	1:58:A:LEU:HG	4	0.52
(1,399)	1:43:A:MET:HB2	1:58:A:LEU:HG	7	0.52
(1,399)	1:43:A:MET:HB3	1:58:A:LEU:HG	7	0.52
(1,399)	1:43:A:MET:HB2	1:58:A:LEU:HG	8	0.52
(1,399)	1:43:A:MET:HB3	1:58:A:LEU:HG	8	0.52
(1,388)	1:42:A:LYS:HE2	1:45:A:GLU:HG2	11	0.52
(1,388)	1:42:A:LYS:HE2	1:45:A:GLU:HG3	11	0.52
(1,388)	1:42:A:LYS:HE3	1:45:A:GLU:HG2	11	0.52
(1,388)	1:42:A:LYS:HE3	1:45:A:GLU:HG3	11	0.52
(1,386)	1:42:A:LYS:HD2	1:66:A:ILE:H	10	0.52
(1,386)	1:42:A:LYS:HD3	1:66:A:ILE:H	10	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG21	5	0.52
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG22	5	0.52
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG23	5	0.52
(1,274)	1:33:A:ARG:HB2	1:34:A:LEU:HD11	19	0.52
(1,274)	1:33:A:ARG:HB2	1:34:A:LEU:HD12	19	0.52
(1,274)	1:33:A:ARG:HB2	1:34:A:LEU:HD13	19	0.52
(1,274)	1:33:A:ARG:HB2	1:34:A:LEU:HD21	19	0.52
(1,274)	1:33:A:ARG:HB2	1:34:A:LEU:HD22	19	0.52
(1,274)	1:33:A:ARG:HB2	1:34:A:LEU:HD23	19	0.52
(1,274)	1:33:A:ARG:HB3	1:34:A:LEU:HD11	19	0.52
(1,274)	1:33:A:ARG:HB3	1:34:A:LEU:HD12	19	0.52
(1,274)	1:33:A:ARG:HB3	1:34:A:LEU:HD13	19	0.52
(1,274)	1:33:A:ARG:HB3	1:34:A:LEU:HD21	19	0.52
(1,274)	1:33:A:ARG:HB3	1:34:A:LEU:HD22	19	0.52
(1,274)	1:33:A:ARG:HB3	1:34:A:LEU:HD23	19	0.52
(1,258)	1:32:A:ILE:HA	1:36:A:ALA:H	18	0.52
(1,244)	1:31:A:HIS:HA	1:34:A:LEU:HB2	4	0.52
(1,244)	1:31:A:HIS:HA	1:34:A:LEU:HB3	4	0.52
(1,244)	1:31:A:HIS:HA	1:34:A:LEU:HB2	13	0.52
(1,244)	1:31:A:HIS:HA	1:34:A:LEU:HB3	13	0.52
(1,240)	1:30:A:ALA:HB1	1:33:A:ARG:HD2	6	0.52
(1,240)	1:30:A:ALA:HB1	1:33:A:ARG:HD3	6	0.52
(1,240)	1:30:A:ALA:HB2	1:33:A:ARG:HD2	6	0.52
(1,240)	1:30:A:ALA:HB2	1:33:A:ARG:HD3	6	0.52
(1,240)	1:30:A:ALA:HB3	1:33:A:ARG:HD2	6	0.52
(1,240)	1:30:A:ALA:HB3	1:33:A:ARG:HD3	6	0.52
(1,224)	1:27:A:GLU:HB2	1:72:B:LYS:H	19	0.52
(1,224)	1:27:A:GLU:HB3	1:72:B:LYS:H	19	0.52
(1,207)	1:23:A:ILE:HG21	1:65:B:GLN:HA	8	0.52
(1,207)	1:23:A:ILE:HG22	1:65:B:GLN:HA	8	0.52
(1,207)	1:23:A:ILE:HG23	1:65:B:GLN:HA	8	0.52
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD11	15	0.52
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD12	15	0.52
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD13	15	0.52
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD21	15	0.52
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD22	15	0.52
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD23	15	0.52
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD11	15	0.52
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD12	15	0.52
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD13	15	0.52
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD21	15	0.52
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD22	15	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD23	15	0.52
(1,142)	1:17:A:TYR:HB2	1:43:A:MET:HB2	15	0.52
(1,142)	1:17:A:TYR:HB2	1:43:A:MET:HB3	15	0.52
(1,142)	1:17:A:TYR:HB3	1:43:A:MET:HB2	15	0.52
(1,142)	1:17:A:TYR:HB3	1:43:A:MET:HB3	15	0.52
(1,113)	1:16:A:ILE:H	1:21:A:TYR:H	14	0.52
(1,113)	1:16:A:ILE:H	1:21:A:TYR:H	20	0.52
(1,111)	1:16:A:ILE:H	1:19:A:GLN:H	9	0.52
(1,102)	1:15:A:ARG:HD2	1:19:A:GLN:H	8	0.52
(1,102)	1:15:A:ARG:HD3	1:19:A:GLN:H	8	0.52
(1,57)	1:12:A:VAL:HB	1:25:A:GLY:H	15	0.52
(1,57)	1:12:A:VAL:HB	1:25:A:GLY:H	16	0.52
(1,53)	1:12:A:VAL:H	1:25:A:GLY:H	12	0.52
(1,52)	1:12:A:VAL:H	1:24:A:VAL:HA	1	0.52
(1,52)	1:12:A:VAL:H	1:24:A:VAL:HA	7	0.52
(1,22)	1:10:A:THR:H	1:25:A:GLY:H	4	0.52
(1,1769)	1:84:B:LEU:HD11	1:85:B:LYS:H	1	0.51
(1,1769)	1:84:B:LEU:HD12	1:85:B:LYS:H	1	0.51
(1,1769)	1:84:B:LEU:HD13	1:85:B:LYS:H	1	0.51
(1,1769)	1:84:B:LEU:HD21	1:85:B:LYS:H	1	0.51
(1,1769)	1:84:B:LEU:HD22	1:85:B:LYS:H	1	0.51
(1,1769)	1:84:B:LEU:HD23	1:85:B:LYS:H	1	0.51
(1,1769)	1:84:B:LEU:HD11	1:85:B:LYS:H	3	0.51
(1,1769)	1:84:B:LEU:HD12	1:85:B:LYS:H	3	0.51
(1,1769)	1:84:B:LEU:HD13	1:85:B:LYS:H	3	0.51
(1,1769)	1:84:B:LEU:HD21	1:85:B:LYS:H	3	0.51
(1,1769)	1:84:B:LEU:HD22	1:85:B:LYS:H	3	0.51
(1,1769)	1:84:B:LEU:HD23	1:85:B:LYS:H	3	0.51
(1,1612)	1:73:B:LEU:HD21	1:74:B:LYS:HA	9	0.51
(1,1612)	1:73:B:LEU:HD22	1:74:B:LYS:HA	9	0.51
(1,1612)	1:73:B:LEU:HD23	1:74:B:LYS:HA	9	0.51
(1,1608)	1:73:B:LEU:HG	1:74:B:LYS:H	20	0.51
(1,1579)	1:71:B:LEU:HA	1:75:B:GLU:HB2	20	0.51
(1,1579)	1:71:B:LEU:HA	1:75:B:GLU:HB3	20	0.51
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD11	5	0.51
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD12	5	0.51
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD13	5	0.51
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG11	5	0.51
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG12	5	0.51
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG13	5	0.51
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG21	5	0.51
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG22	5	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG23	5	0.51
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD11	6	0.51
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD12	6	0.51
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD13	6	0.51
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD21	6	0.51
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD22	6	0.51
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD23	6	0.51
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD11	16	0.51
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD12	16	0.51
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD13	16	0.51
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD21	16	0.51
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD22	16	0.51
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD23	16	0.51
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD11	5	0.51
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD12	5	0.51
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD13	5	0.51
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD21	5	0.51
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD22	5	0.51
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD23	5	0.51
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD11	13	0.51
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD12	13	0.51
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD13	13	0.51
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD21	13	0.51
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD22	13	0.51
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD23	13	0.51
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD11	14	0.51
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD12	14	0.51
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD13	14	0.51
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD21	14	0.51
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD22	14	0.51
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD23	14	0.51
(1,1362)	1:47:B:SER:H	1:58:B:LEU:HG	13	0.51
(1,1358)	1:46:B:PHE:HD1	1:62:B:THR:HB	13	0.51
(1,1358)	1:46:B:PHE:HD2	1:62:B:THR:HB	13	0.51
(1,1357)	1:46:B:PHE:HD1	1:62:B:THR:H	1	0.51
(1,1357)	1:46:B:PHE:HD2	1:62:B:THR:H	1	0.51
(1,1357)	1:46:B:PHE:HD1	1:62:B:THR:H	18	0.51
(1,1357)	1:46:B:PHE:HD2	1:62:B:THR:H	18	0.51
(1,1324)	1:43:B:MET:HB2	1:58:B:LEU:HG	6	0.51
(1,1324)	1:43:B:MET:HB3	1:58:B:LEU:HG	6	0.51
(1,1324)	1:43:B:MET:HB2	1:58:B:LEU:HG	15	0.51
(1,1324)	1:43:B:MET:HB3	1:58:B:LEU:HG	15	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD11	3	0.51
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD12	3	0.51
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD13	3	0.51
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD21	3	0.51
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD22	3	0.51
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD23	3	0.51
(1,1311)	1:42:B:LYS:HD2	1:66:B:ILE:H	2	0.51
(1,1311)	1:42:B:LYS:HD3	1:66:B:ILE:H	2	0.51
(1,1311)	1:42:B:LYS:HD2	1:66:B:ILE:H	5	0.51
(1,1311)	1:42:B:LYS:HD3	1:66:B:ILE:H	5	0.51
(1,1311)	1:42:B:LYS:HD2	1:66:B:ILE:H	19	0.51
(1,1311)	1:42:B:LYS:HD3	1:66:B:ILE:H	19	0.51
(1,1310)	1:42:B:LYS:HD2	1:62:B:THR:HA	2	0.51
(1,1310)	1:42:B:LYS:HD3	1:62:B:THR:HA	2	0.51
(1,1310)	1:42:B:LYS:HD2	1:62:B:THR:HA	14	0.51
(1,1310)	1:42:B:LYS:HD3	1:62:B:THR:HA	14	0.51
(1,1288)	1:39:B:VAL:HG11	1:62:B:THR:HB	18	0.51
(1,1288)	1:39:B:VAL:HG12	1:62:B:THR:HB	18	0.51
(1,1288)	1:39:B:VAL:HG13	1:62:B:THR:HB	18	0.51
(1,1288)	1:39:B:VAL:HG21	1:62:B:THR:HB	18	0.51
(1,1288)	1:39:B:VAL:HG22	1:62:B:THR:HB	18	0.51
(1,1288)	1:39:B:VAL:HG23	1:62:B:THR:HB	18	0.51
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB1	19	0.51
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB2	19	0.51
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB3	19	0.51
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB1	19	0.51
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB2	19	0.51
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB3	19	0.51
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB1	19	0.51
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB2	19	0.51
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB3	19	0.51
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB1	19	0.51
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB2	19	0.51
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB3	19	0.51
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB1	19	0.51
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB2	19	0.51
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB3	19	0.51
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB1	19	0.51
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB2	19	0.51
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB3	19	0.51
(1,1194)	1:30:B:ALA:HA	1:33:B:ARG:HG2	17	0.51
(1,1194)	1:30:B:ALA:HA	1:33:B:ARG:HG3	17	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1178)	1:27:B:GLU:H	1:27:B:GLU:HG2	4	0.51
(1,1178)	1:27:B:GLU:H	1:27:B:GLU:HG3	4	0.51
(1,1178)	1:27:B:GLU:H	1:27:B:GLU:HG2	13	0.51
(1,1178)	1:27:B:GLU:H	1:27:B:GLU:HG3	13	0.51
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD11	3	0.51
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD12	3	0.51
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD13	3	0.51
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD21	3	0.51
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD22	3	0.51
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD23	3	0.51
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD11	3	0.51
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD12	3	0.51
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD13	3	0.51
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD21	3	0.51
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD22	3	0.51
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD23	3	0.51
(1,1094)	1:16:B:ILE:H	1:21:B:TYR:H	3	0.51
(1,1094)	1:16:B:ILE:H	1:21:B:TYR:H	19	0.51
(1,1075)	1:15:B:ARG:HA	1:21:B:TYR:H	3	0.51
(1,1046)	1:12:B:VAL:HG11	1:33:B:ARG:HD2	15	0.51
(1,1046)	1:12:B:VAL:HG11	1:33:B:ARG:HD3	15	0.51
(1,1046)	1:12:B:VAL:HG12	1:33:B:ARG:HD2	15	0.51
(1,1046)	1:12:B:VAL:HG12	1:33:B:ARG:HD3	15	0.51
(1,1046)	1:12:B:VAL:HG13	1:33:B:ARG:HD2	15	0.51
(1,1046)	1:12:B:VAL:HG13	1:33:B:ARG:HD3	15	0.51
(1,1046)	1:12:B:VAL:HG21	1:33:B:ARG:HD2	15	0.51
(1,1046)	1:12:B:VAL:HG21	1:33:B:ARG:HD3	15	0.51
(1,1046)	1:12:B:VAL:HG22	1:33:B:ARG:HD2	15	0.51
(1,1046)	1:12:B:VAL:HG22	1:33:B:ARG:HD3	15	0.51
(1,1046)	1:12:B:VAL:HG23	1:33:B:ARG:HD2	15	0.51
(1,1046)	1:12:B:VAL:HG23	1:33:B:ARG:HD3	15	0.51
(1,1042)	1:12:B:VAL:HG11	1:29:B:PRO:HA	8	0.51
(1,1042)	1:12:B:VAL:HG12	1:29:B:PRO:HA	8	0.51
(1,1042)	1:12:B:VAL:HG13	1:29:B:PRO:HA	8	0.51
(1,1042)	1:12:B:VAL:HG21	1:29:B:PRO:HA	8	0.51
(1,1042)	1:12:B:VAL:HG22	1:29:B:PRO:HA	8	0.51
(1,1042)	1:12:B:VAL:HG23	1:29:B:PRO:HA	8	0.51
(1,1034)	1:12:B:VAL:H	1:25:B:GLY:H	5	0.51
(1,1034)	1:12:B:VAL:H	1:25:B:GLY:H	13	0.51
(1,1034)	1:12:B:VAL:H	1:25:B:GLY:H	14	0.51
(1,1033)	1:12:B:VAL:H	1:24:B:VAL:HA	2	0.51
(1,1005)	1:10:B:THR:H	1:26:B:ALA:HB1	4	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1005)	1:10:B:THR:H	1:26:B:ALA:HB2	4	0.51
(1,1005)	1:10:B:THR:H	1:26:B:ALA:HB3	4	0.51
(1,1005)	1:10:B:THR:H	1:26:B:ALA:HB1	17	0.51
(1,1005)	1:10:B:THR:H	1:26:B:ALA:HB2	17	0.51
(1,1005)	1:10:B:THR:H	1:26:B:ALA:HB3	17	0.51
(1,1004)	1:10:B:THR:H	1:26:B:ALA:HA	3	0.51
(1,973)	1:84:A:LEU:HD11	1:85:A:LYS:H	3	0.51
(1,973)	1:84:A:LEU:HD12	1:85:A:LYS:H	3	0.51
(1,973)	1:84:A:LEU:HD13	1:85:A:LYS:H	3	0.51
(1,973)	1:84:A:LEU:HD21	1:85:A:LYS:H	3	0.51
(1,973)	1:84:A:LEU:HD22	1:85:A:LYS:H	3	0.51
(1,973)	1:84:A:LEU:HD23	1:85:A:LYS:H	3	0.51
(1,973)	1:84:A:LEU:HD11	1:85:A:LYS:H	7	0.51
(1,973)	1:84:A:LEU:HD12	1:85:A:LYS:H	7	0.51
(1,973)	1:84:A:LEU:HD13	1:85:A:LYS:H	7	0.51
(1,973)	1:84:A:LEU:HD21	1:85:A:LYS:H	7	0.51
(1,973)	1:84:A:LEU:HD22	1:85:A:LYS:H	7	0.51
(1,973)	1:84:A:LEU:HD23	1:85:A:LYS:H	7	0.51
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD11	4	0.51
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD12	4	0.51
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD13	4	0.51
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD21	4	0.51
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD22	4	0.51
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD23	4	0.51
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD11	4	0.51
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD12	4	0.51
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD13	4	0.51
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD21	4	0.51
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD22	4	0.51
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD23	4	0.51
(1,941)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	7	0.51
(1,941)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	7	0.51
(1,941)	1:81:A:ARG:HG3	1:77:B:TYR:HE1	7	0.51
(1,941)	1:81:A:ARG:HG3	1:77:B:TYR:HE2	7	0.51
(1,941)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	14	0.51
(1,941)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	14	0.51
(1,941)	1:81:A:ARG:HG3	1:77:B:TYR:HE1	14	0.51
(1,941)	1:81:A:ARG:HG3	1:77:B:TYR:HE2	14	0.51
(1,941)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	19	0.51
(1,941)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	19	0.51
(1,941)	1:81:A:ARG:HG3	1:77:B:TYR:HE1	19	0.51
(1,941)	1:81:A:ARG:HG3	1:77:B:TYR:HE2	19	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	1	0.51
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	1	0.51
(1,920)	1:80:A:LEU:HD11	1:81:A:ARG:HD2	2	0.51
(1,920)	1:80:A:LEU:HD11	1:81:A:ARG:HD3	2	0.51
(1,920)	1:80:A:LEU:HD12	1:81:A:ARG:HD2	2	0.51
(1,920)	1:80:A:LEU:HD12	1:81:A:ARG:HD3	2	0.51
(1,920)	1:80:A:LEU:HD13	1:81:A:ARG:HD2	2	0.51
(1,920)	1:80:A:LEU:HD13	1:81:A:ARG:HD3	2	0.51
(1,920)	1:80:A:LEU:HD21	1:81:A:ARG:HD2	2	0.51
(1,920)	1:80:A:LEU:HD21	1:81:A:ARG:HD3	2	0.51
(1,920)	1:80:A:LEU:HD22	1:81:A:ARG:HD2	2	0.51
(1,920)	1:80:A:LEU:HD22	1:81:A:ARG:HD3	2	0.51
(1,920)	1:80:A:LEU:HD23	1:81:A:ARG:HD2	2	0.51
(1,920)	1:80:A:LEU:HD23	1:81:A:ARG:HD3	2	0.51
(1,920)	1:80:A:LEU:HD11	1:81:A:ARG:HD2	5	0.51
(1,920)	1:80:A:LEU:HD11	1:81:A:ARG:HD3	5	0.51
(1,920)	1:80:A:LEU:HD12	1:81:A:ARG:HD2	5	0.51
(1,920)	1:80:A:LEU:HD12	1:81:A:ARG:HD3	5	0.51
(1,920)	1:80:A:LEU:HD13	1:81:A:ARG:HD2	5	0.51
(1,920)	1:80:A:LEU:HD13	1:81:A:ARG:HD3	5	0.51
(1,920)	1:80:A:LEU:HD21	1:81:A:ARG:HD2	5	0.51
(1,920)	1:80:A:LEU:HD21	1:81:A:ARG:HD3	5	0.51
(1,920)	1:80:A:LEU:HD22	1:81:A:ARG:HD2	5	0.51
(1,920)	1:80:A:LEU:HD22	1:81:A:ARG:HD3	5	0.51
(1,920)	1:80:A:LEU:HD23	1:81:A:ARG:HD2	5	0.51
(1,920)	1:80:A:LEU:HD23	1:81:A:ARG:HD3	5	0.51
(1,866)	1:77:A:TYR:HA	1:80:A:LEU:HB2	16	0.51
(1,866)	1:77:A:TYR:HA	1:80:A:LEU:HB3	16	0.51
(1,857)	1:76:A:GLU:HG2	1:77:B:TYR:HE1	1	0.51
(1,857)	1:76:A:GLU:HG2	1:77:B:TYR:HE2	1	0.51
(1,857)	1:76:A:GLU:HG3	1:77:B:TYR:HE1	1	0.51
(1,857)	1:76:A:GLU:HG3	1:77:B:TYR:HE2	1	0.51
(1,857)	1:76:A:GLU:HG2	1:77:B:TYR:HE1	9	0.51
(1,857)	1:76:A:GLU:HG2	1:77:B:TYR:HE2	9	0.51
(1,857)	1:76:A:GLU:HG3	1:77:B:TYR:HE1	9	0.51
(1,857)	1:76:A:GLU:HG3	1:77:B:TYR:HE2	9	0.51
(1,843)	1:75:A:GLU:HG2	1:27:B:GLU:HG2	19	0.51
(1,843)	1:75:A:GLU:HG2	1:27:B:GLU:HG3	19	0.51
(1,843)	1:75:A:GLU:HG3	1:27:B:GLU:HG2	19	0.51
(1,843)	1:75:A:GLU:HG3	1:27:B:GLU:HG3	19	0.51
(1,829)	1:74:A:LYS:HE2	1:73:B:LEU:HG	14	0.51
(1,829)	1:74:A:LYS:HE3	1:73:B:LEU:HG	14	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,816)	1:74:A:LYS:HB2	1:73:B:LEU:HD11	17	0.51
(1,816)	1:74:A:LYS:HB2	1:73:B:LEU:HD12	17	0.51
(1,816)	1:74:A:LYS:HB2	1:73:B:LEU:HD13	17	0.51
(1,804)	1:73:A:LEU:HD11	1:77:A:TYR:H	14	0.51
(1,804)	1:73:A:LEU:HD12	1:77:A:TYR:H	14	0.51
(1,804)	1:73:A:LEU:HD13	1:77:A:TYR:H	14	0.51
(1,804)	1:73:A:LEU:HD21	1:77:A:TYR:H	14	0.51
(1,804)	1:73:A:LEU:HD22	1:77:A:TYR:H	14	0.51
(1,804)	1:73:A:LEU:HD23	1:77:A:TYR:H	14	0.51
(1,803)	1:73:A:LEU:HD11	1:76:A:GLU:HG2	12	0.51
(1,803)	1:73:A:LEU:HD11	1:76:A:GLU:HG3	12	0.51
(1,803)	1:73:A:LEU:HD12	1:76:A:GLU:HG2	12	0.51
(1,803)	1:73:A:LEU:HD12	1:76:A:GLU:HG3	12	0.51
(1,803)	1:73:A:LEU:HD13	1:76:A:GLU:HG2	12	0.51
(1,803)	1:73:A:LEU:HD13	1:76:A:GLU:HG3	12	0.51
(1,803)	1:73:A:LEU:HD21	1:76:A:GLU:HG2	12	0.51
(1,803)	1:73:A:LEU:HD21	1:76:A:GLU:HG3	12	0.51
(1,803)	1:73:A:LEU:HD22	1:76:A:GLU:HG2	12	0.51
(1,803)	1:73:A:LEU:HD22	1:76:A:GLU:HG3	12	0.51
(1,803)	1:73:A:LEU:HD23	1:76:A:GLU:HG2	12	0.51
(1,803)	1:73:A:LEU:HD23	1:76:A:GLU:HG3	12	0.51
(1,798)	1:73:A:LEU:HD11	1:74:A:LYS:H	7	0.51
(1,798)	1:73:A:LEU:HD12	1:74:A:LYS:H	7	0.51
(1,798)	1:73:A:LEU:HD13	1:74:A:LYS:H	7	0.51
(1,798)	1:73:A:LEU:HD21	1:74:A:LYS:H	7	0.51
(1,798)	1:73:A:LEU:HD22	1:74:A:LYS:H	7	0.51
(1,798)	1:73:A:LEU:HD23	1:74:A:LYS:H	7	0.51
(1,795)	1:73:A:LEU:HD21	1:74:A:LYS:HA	6	0.51
(1,795)	1:73:A:LEU:HD22	1:74:A:LYS:HA	6	0.51
(1,795)	1:73:A:LEU:HD23	1:74:A:LYS:HA	6	0.51
(1,791)	1:73:A:LEU:HG	1:74:A:LYS:H	15	0.51
(1,791)	1:73:A:LEU:HG	1:74:A:LYS:H	16	0.51
(1,765)	1:72:A:LYS:H	1:27:B:GLU:HB2	8	0.51
(1,765)	1:72:A:LYS:H	1:27:B:GLU:HB3	8	0.51
(1,734)	1:70:A:TYR:HE1	1:71:B:LEU:H	11	0.51
(1,734)	1:70:A:TYR:HE2	1:71:B:LEU:H	11	0.51
(1,675)	1:66:A:ILE:HG21	1:63:B:ALA:HA	2	0.51
(1,675)	1:66:A:ILE:HG22	1:63:B:ALA:HA	2	0.51
(1,675)	1:66:A:ILE:HG23	1:63:B:ALA:HA	2	0.51
(1,675)	1:66:A:ILE:HG21	1:63:B:ALA:HA	9	0.51
(1,675)	1:66:A:ILE:HG22	1:63:B:ALA:HA	9	0.51
(1,675)	1:66:A:ILE:HG23	1:63:B:ALA:HA	9	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,675)	1:66:A:ILE:HG21	1:63:B:ALA:HA	15	0.51
(1,675)	1:66:A:ILE:HG22	1:63:B:ALA:HA	15	0.51
(1,675)	1:66:A:ILE:HG23	1:63:B:ALA:HA	15	0.51
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD11	17	0.51
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD12	17	0.51
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD13	17	0.51
(1,524)	1:57:A:LYS:HD2	1:19:B:GLN:HB3	2	0.51
(1,524)	1:57:A:LYS:HD3	1:19:B:GLN:HB3	2	0.51
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD11	1	0.51
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD12	1	0.51
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD13	1	0.51
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD21	1	0.51
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD22	1	0.51
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD23	1	0.51
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD11	18	0.51
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD12	18	0.51
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD13	18	0.51
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD21	18	0.51
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD22	18	0.51
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD23	18	0.51
(1,475)	1:51:A:PRO:HG2	1:52:A:MET:HG2	14	0.51
(1,475)	1:51:A:PRO:HG2	1:52:A:MET:HG3	14	0.51
(1,475)	1:51:A:PRO:HG3	1:52:A:MET:HG2	14	0.51
(1,475)	1:51:A:PRO:HG3	1:52:A:MET:HG3	14	0.51
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD11	1	0.51
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD12	1	0.51
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD13	1	0.51
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD21	1	0.51
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD22	1	0.51
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD23	1	0.51
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD11	13	0.51
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD12	13	0.51
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD13	13	0.51
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD21	13	0.51
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD22	13	0.51
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD23	13	0.51
(1,449)	1:48:A:GLU:HG2	1:49:A:LYS:H	10	0.51
(1,449)	1:48:A:GLU:HG3	1:49:A:LYS:H	10	0.51
(1,437)	1:47:A:SER:H	1:58:A:LEU:HG	14	0.51
(1,301)	1:35:A:VAL:HG11	1:71:B:LEU:HD11	11	0.51
(1,301)	1:35:A:VAL:HG11	1:71:B:LEU:HD12	11	0.51
(1,301)	1:35:A:VAL:HG11	1:71:B:LEU:HD13	11	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,301)	1:35:A:VAL:HG12	1:71:B:LEU:HD11	11	0.51
(1,301)	1:35:A:VAL:HG12	1:71:B:LEU:HD12	11	0.51
(1,301)	1:35:A:VAL:HG12	1:71:B:LEU:HD13	11	0.51
(1,301)	1:35:A:VAL:HG13	1:71:B:LEU:HD11	11	0.51
(1,301)	1:35:A:VAL:HG13	1:71:B:LEU:HD12	11	0.51
(1,301)	1:35:A:VAL:HG13	1:71:B:LEU:HD13	11	0.51
(1,258)	1:32:A:ILE:HA	1:36:A:ALA:H	19	0.51
(1,226)	1:28:A:SER:H	1:31:A:HIS:H	20	0.51
(1,213)	1:24:A:VAL:HB	1:65:B:GLN:HG2	7	0.51
(1,207)	1:23:A:ILE:HG21	1:65:B:GLN:HA	7	0.51
(1,207)	1:23:A:ILE:HG22	1:65:B:GLN:HA	7	0.51
(1,207)	1:23:A:ILE:HG23	1:65:B:GLN:HA	7	0.51
(1,200)	1:23:A:ILE:HD11	1:65:B:GLN:HG2	7	0.51
(1,200)	1:23:A:ILE:HD11	1:65:B:GLN:HG3	7	0.51
(1,200)	1:23:A:ILE:HD12	1:65:B:GLN:HG2	7	0.51
(1,200)	1:23:A:ILE:HD12	1:65:B:GLN:HG3	7	0.51
(1,200)	1:23:A:ILE:HD13	1:65:B:GLN:HG2	7	0.51
(1,200)	1:23:A:ILE:HD13	1:65:B:GLN:HG3	7	0.51
(1,158)	1:19:A:GLN:HG3	1:52:B:MET:HG3	20	0.51
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD11	5	0.51
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD12	5	0.51
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD13	5	0.51
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD21	5	0.51
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD22	5	0.51
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD23	5	0.51
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD11	5	0.51
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD12	5	0.51
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD13	5	0.51
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD21	5	0.51
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD22	5	0.51
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD23	5	0.51
(1,113)	1:16:A:ILE:H	1:21:A:TYR:H	2	0.51
(1,113)	1:16:A:ILE:H	1:21:A:TYR:H	4	0.51
(1,113)	1:16:A:ILE:H	1:21:A:TYR:H	13	0.51
(1,113)	1:16:A:ILE:H	1:21:A:TYR:H	17	0.51
(1,111)	1:16:A:ILE:H	1:19:A:GLN:H	13	0.51
(1,111)	1:16:A:ILE:H	1:19:A:GLN:H	16	0.51
(1,102)	1:15:A:ARG:HD2	1:19:A:GLN:H	13	0.51
(1,102)	1:15:A:ARG:HD3	1:19:A:GLN:H	13	0.51
(1,102)	1:15:A:ARG:HD2	1:19:A:GLN:H	16	0.51
(1,102)	1:15:A:ARG:HD3	1:19:A:GLN:H	16	0.51
(1,94)	1:15:A:ARG:HA	1:21:A:TYR:H	20	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,85)	1:14:A:VAL:HG11	1:33:A:ARG:H	14	0.51
(1,85)	1:14:A:VAL:HG12	1:33:A:ARG:H	14	0.51
(1,85)	1:14:A:VAL:HG13	1:33:A:ARG:H	14	0.51
(1,85)	1:14:A:VAL:HG21	1:33:A:ARG:H	14	0.51
(1,85)	1:14:A:VAL:HG22	1:33:A:ARG:H	14	0.51
(1,85)	1:14:A:VAL:HG23	1:33:A:ARG:H	14	0.51
(1,62)	1:12:A:VAL:HG11	1:32:A:ILE:H	13	0.51
(1,62)	1:12:A:VAL:HG12	1:32:A:ILE:H	13	0.51
(1,62)	1:12:A:VAL:HG13	1:32:A:ILE:H	13	0.51
(1,62)	1:12:A:VAL:HG21	1:32:A:ILE:H	13	0.51
(1,62)	1:12:A:VAL:HG22	1:32:A:ILE:H	13	0.51
(1,62)	1:12:A:VAL:HG23	1:32:A:ILE:H	13	0.51
(1,61)	1:12:A:VAL:HG11	1:29:A:PRO:HA	10	0.51
(1,61)	1:12:A:VAL:HG12	1:29:A:PRO:HA	10	0.51
(1,61)	1:12:A:VAL:HG13	1:29:A:PRO:HA	10	0.51
(1,61)	1:12:A:VAL:HG21	1:29:A:PRO:HA	10	0.51
(1,61)	1:12:A:VAL:HG22	1:29:A:PRO:HA	10	0.51
(1,61)	1:12:A:VAL:HG23	1:29:A:PRO:HA	10	0.51
(1,57)	1:12:A:VAL:HB	1:25:A:GLY:H	1	0.51
(1,57)	1:12:A:VAL:HB	1:25:A:GLY:H	5	0.51
(1,53)	1:12:A:VAL:H	1:25:A:GLY:H	1	0.51
(1,53)	1:12:A:VAL:H	1:25:A:GLY:H	6	0.51
(1,52)	1:12:A:VAL:H	1:24:A:VAL:HA	2	0.51
(1,52)	1:12:A:VAL:H	1:24:A:VAL:HA	12	0.51
(1,29)	1:10:A:THR:HG21	1:12:A:VAL:HA	2	0.51
(1,29)	1:10:A:THR:HG22	1:12:A:VAL:HA	2	0.51
(1,29)	1:10:A:THR:HG23	1:12:A:VAL:HA	2	0.51
(1,1769)	1:84:B:LEU:HD11	1:85:B:LYS:H	8	0.5
(1,1769)	1:84:B:LEU:HD12	1:85:B:LYS:H	8	0.5
(1,1769)	1:84:B:LEU:HD13	1:85:B:LYS:H	8	0.5
(1,1769)	1:84:B:LEU:HD21	1:85:B:LYS:H	8	0.5
(1,1769)	1:84:B:LEU:HD22	1:85:B:LYS:H	8	0.5
(1,1769)	1:84:B:LEU:HD23	1:85:B:LYS:H	8	0.5
(1,1769)	1:84:B:LEU:HD11	1:85:B:LYS:H	14	0.5
(1,1769)	1:84:B:LEU:HD12	1:85:B:LYS:H	14	0.5
(1,1769)	1:84:B:LEU:HD13	1:85:B:LYS:H	14	0.5
(1,1769)	1:84:B:LEU:HD21	1:85:B:LYS:H	14	0.5
(1,1769)	1:84:B:LEU:HD22	1:85:B:LYS:H	14	0.5
(1,1769)	1:84:B:LEU:HD23	1:85:B:LYS:H	14	0.5
(1,1769)	1:84:B:LEU:HD11	1:85:B:LYS:H	17	0.5
(1,1769)	1:84:B:LEU:HD12	1:85:B:LYS:H	17	0.5
(1,1769)	1:84:B:LEU:HD13	1:85:B:LYS:H	17	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1769)	1:84:B:LEU:HD21	1:85:B:LYS:H	17	0.5
(1,1769)	1:84:B:LEU:HD22	1:85:B:LYS:H	17	0.5
(1,1769)	1:84:B:LEU:HD23	1:85:B:LYS:H	17	0.5
(1,1769)	1:84:B:LEU:HD11	1:85:B:LYS:H	18	0.5
(1,1769)	1:84:B:LEU:HD12	1:85:B:LYS:H	18	0.5
(1,1769)	1:84:B:LEU:HD13	1:85:B:LYS:H	18	0.5
(1,1769)	1:84:B:LEU:HD21	1:85:B:LYS:H	18	0.5
(1,1769)	1:84:B:LEU:HD22	1:85:B:LYS:H	18	0.5
(1,1769)	1:84:B:LEU:HD23	1:85:B:LYS:H	18	0.5
(1,1769)	1:84:B:LEU:HD11	1:85:B:LYS:H	19	0.5
(1,1769)	1:84:B:LEU:HD12	1:85:B:LYS:H	19	0.5
(1,1769)	1:84:B:LEU:HD13	1:85:B:LYS:H	19	0.5
(1,1769)	1:84:B:LEU:HD21	1:85:B:LYS:H	19	0.5
(1,1769)	1:84:B:LEU:HD22	1:85:B:LYS:H	19	0.5
(1,1769)	1:84:B:LEU:HD23	1:85:B:LYS:H	19	0.5
(1,1654)	1:75:B:GLU:HG2	1:76:B:GLU:HA	15	0.5
(1,1654)	1:75:B:GLU:HG3	1:76:B:GLU:HA	15	0.5
(1,1612)	1:73:B:LEU:HD21	1:74:B:LYS:HA	15	0.5
(1,1612)	1:73:B:LEU:HD22	1:74:B:LYS:HA	15	0.5
(1,1612)	1:73:B:LEU:HD23	1:74:B:LYS:HA	15	0.5
(1,1608)	1:73:B:LEU:HG	1:74:B:LYS:H	3	0.5
(1,1608)	1:73:B:LEU:HG	1:74:B:LYS:H	14	0.5
(1,1576)	1:71:B:LEU:HA	1:74:B:LYS:HE2	6	0.5
(1,1576)	1:71:B:LEU:HA	1:74:B:LYS:HE3	6	0.5
(1,1566)	1:70:B:TYR:HD1	1:73:B:LEU:HD11	1	0.5
(1,1566)	1:70:B:TYR:HD1	1:73:B:LEU:HD12	1	0.5
(1,1566)	1:70:B:TYR:HD1	1:73:B:LEU:HD13	1	0.5
(1,1566)	1:70:B:TYR:HD1	1:73:B:LEU:HD21	1	0.5
(1,1566)	1:70:B:TYR:HD1	1:73:B:LEU:HD22	1	0.5
(1,1566)	1:70:B:TYR:HD1	1:73:B:LEU:HD23	1	0.5
(1,1566)	1:70:B:TYR:HD2	1:73:B:LEU:HD11	1	0.5
(1,1566)	1:70:B:TYR:HD2	1:73:B:LEU:HD12	1	0.5
(1,1566)	1:70:B:TYR:HD2	1:73:B:LEU:HD13	1	0.5
(1,1566)	1:70:B:TYR:HD2	1:73:B:LEU:HD21	1	0.5
(1,1566)	1:70:B:TYR:HD2	1:73:B:LEU:HD22	1	0.5
(1,1566)	1:70:B:TYR:HD2	1:73:B:LEU:HD23	1	0.5
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD11	15	0.5
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD12	15	0.5
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD13	15	0.5
(1,1431)	1:57:B:LYS:HA	1:57:B:LYS:HE2	17	0.5
(1,1431)	1:57:B:LYS:HA	1:57:B:LYS:HE3	17	0.5
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD11	8	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD12	8	0.5
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD13	8	0.5
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD21	8	0.5
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD22	8	0.5
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD23	8	0.5
(1,1400)	1:51:B:PRO:HG2	1:52:B:MET:HG2	7	0.5
(1,1400)	1:51:B:PRO:HG2	1:52:B:MET:HG3	7	0.5
(1,1400)	1:51:B:PRO:HG3	1:52:B:MET:HG2	7	0.5
(1,1400)	1:51:B:PRO:HG3	1:52:B:MET:HG3	7	0.5
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD11	15	0.5
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD12	15	0.5
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD13	15	0.5
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD21	15	0.5
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD22	15	0.5
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD23	15	0.5
(1,1362)	1:47:B:SER:H	1:58:B:LEU:HG	15	0.5
(1,1358)	1:46:B:PHE:HD1	1:62:B:THR:HB	20	0.5
(1,1358)	1:46:B:PHE:HD2	1:62:B:THR:HB	20	0.5
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD11	6	0.5
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD12	6	0.5
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD13	6	0.5
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD21	6	0.5
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD22	6	0.5
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD23	6	0.5
(1,1324)	1:43:B:MET:HB2	1:58:B:LEU:HG	5	0.5
(1,1324)	1:43:B:MET:HB3	1:58:B:LEU:HG	5	0.5
(1,1311)	1:42:B:LYS:HD2	1:66:B:ILE:H	14	0.5
(1,1311)	1:42:B:LYS:HD3	1:66:B:ILE:H	14	0.5
(1,1290)	1:40:B:ASP:HA	1:43:B:MET:HB2	3	0.5
(1,1290)	1:40:B:ASP:HA	1:43:B:MET:HB3	3	0.5
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB1	14	0.5
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB2	14	0.5
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB3	14	0.5
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB1	14	0.5
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB2	14	0.5
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB3	14	0.5
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB1	14	0.5
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB2	14	0.5
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB3	14	0.5
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB1	14	0.5
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB2	14	0.5
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB3	14	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB1	14	0.5
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB2	14	0.5
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB3	14	0.5
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB1	14	0.5
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB2	14	0.5
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB3	14	0.5
(1,1119)	1:17:B:TYR:HB2	1:43:B:MET:HB2	3	0.5
(1,1119)	1:17:B:TYR:HB2	1:43:B:MET:HB3	3	0.5
(1,1119)	1:17:B:TYR:HB3	1:43:B:MET:HB2	3	0.5
(1,1119)	1:17:B:TYR:HB3	1:43:B:MET:HB3	3	0.5
(1,1094)	1:16:B:ILE:H	1:21:B:TYR:H	13	0.5
(1,1075)	1:15:B:ARG:HA	1:21:B:TYR:H	17	0.5
(1,1043)	1:12:B:VAL:HG11	1:32:B:ILE:H	3	0.5
(1,1043)	1:12:B:VAL:HG12	1:32:B:ILE:H	3	0.5
(1,1043)	1:12:B:VAL:HG13	1:32:B:ILE:H	3	0.5
(1,1043)	1:12:B:VAL:HG21	1:32:B:ILE:H	3	0.5
(1,1043)	1:12:B:VAL:HG22	1:32:B:ILE:H	3	0.5
(1,1043)	1:12:B:VAL:HG23	1:32:B:ILE:H	3	0.5
(1,1043)	1:12:B:VAL:HG11	1:32:B:ILE:H	9	0.5
(1,1043)	1:12:B:VAL:HG12	1:32:B:ILE:H	9	0.5
(1,1043)	1:12:B:VAL:HG13	1:32:B:ILE:H	9	0.5
(1,1043)	1:12:B:VAL:HG21	1:32:B:ILE:H	9	0.5
(1,1043)	1:12:B:VAL:HG22	1:32:B:ILE:H	9	0.5
(1,1043)	1:12:B:VAL:HG23	1:32:B:ILE:H	9	0.5
(1,1043)	1:12:B:VAL:HG11	1:32:B:ILE:H	17	0.5
(1,1043)	1:12:B:VAL:HG12	1:32:B:ILE:H	17	0.5
(1,1043)	1:12:B:VAL:HG13	1:32:B:ILE:H	17	0.5
(1,1043)	1:12:B:VAL:HG21	1:32:B:ILE:H	17	0.5
(1,1043)	1:12:B:VAL:HG22	1:32:B:ILE:H	17	0.5
(1,1043)	1:12:B:VAL:HG23	1:32:B:ILE:H	17	0.5
(1,1038)	1:12:B:VAL:HB	1:25:B:GLY:H	11	0.5
(1,1033)	1:12:B:VAL:H	1:24:B:VAL:HA	8	0.5
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG11	18	0.5
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG12	18	0.5
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG13	18	0.5
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG21	18	0.5
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG22	18	0.5
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG23	18	0.5
(1,974)	1:84:A:LEU:HD11	1:85:A:LYS:HA	18	0.5
(1,974)	1:84:A:LEU:HD12	1:85:A:LYS:HA	18	0.5
(1,974)	1:84:A:LEU:HD13	1:85:A:LYS:HA	18	0.5
(1,974)	1:84:A:LEU:HD21	1:85:A:LYS:HA	18	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,974)	1:84:A:LEU:HD22	1:85:A:LYS:HA	18	0.5
(1,974)	1:84:A:LEU:HD23	1:85:A:LYS:HA	18	0.5
(1,974)	1:84:A:LEU:HD11	1:85:A:LYS:HA	19	0.5
(1,974)	1:84:A:LEU:HD12	1:85:A:LYS:HA	19	0.5
(1,974)	1:84:A:LEU:HD13	1:85:A:LYS:HA	19	0.5
(1,974)	1:84:A:LEU:HD21	1:85:A:LYS:HA	19	0.5
(1,974)	1:84:A:LEU:HD22	1:85:A:LYS:HA	19	0.5
(1,974)	1:84:A:LEU:HD23	1:85:A:LYS:HA	19	0.5
(1,973)	1:84:A:LEU:HD11	1:85:A:LYS:H	14	0.5
(1,973)	1:84:A:LEU:HD12	1:85:A:LYS:H	14	0.5
(1,973)	1:84:A:LEU:HD13	1:85:A:LYS:H	14	0.5
(1,973)	1:84:A:LEU:HD21	1:85:A:LYS:H	14	0.5
(1,973)	1:84:A:LEU:HD22	1:85:A:LYS:H	14	0.5
(1,973)	1:84:A:LEU:HD23	1:85:A:LYS:H	14	0.5
(1,973)	1:84:A:LEU:HD11	1:85:A:LYS:H	19	0.5
(1,973)	1:84:A:LEU:HD12	1:85:A:LYS:H	19	0.5
(1,973)	1:84:A:LEU:HD13	1:85:A:LYS:H	19	0.5
(1,973)	1:84:A:LEU:HD21	1:85:A:LYS:H	19	0.5
(1,973)	1:84:A:LEU:HD22	1:85:A:LYS:H	19	0.5
(1,973)	1:84:A:LEU:HD23	1:85:A:LYS:H	19	0.5
(1,941)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	8	0.5
(1,941)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	8	0.5
(1,941)	1:81:A:ARG:HG3	1:77:B:TYR:HE1	8	0.5
(1,941)	1:81:A:ARG:HG3	1:77:B:TYR:HE2	8	0.5
(1,922)	1:80:A:LEU:HD11	1:82:A:GLU:H	20	0.5
(1,922)	1:80:A:LEU:HD12	1:82:A:GLU:H	20	0.5
(1,922)	1:80:A:LEU:HD13	1:82:A:GLU:H	20	0.5
(1,922)	1:80:A:LEU:HD21	1:82:A:GLU:H	20	0.5
(1,922)	1:80:A:LEU:HD22	1:82:A:GLU:H	20	0.5
(1,922)	1:80:A:LEU:HD23	1:82:A:GLU:H	20	0.5
(1,920)	1:80:A:LEU:HD11	1:81:A:ARG:HD2	10	0.5
(1,920)	1:80:A:LEU:HD11	1:81:A:ARG:HD3	10	0.5
(1,920)	1:80:A:LEU:HD12	1:81:A:ARG:HD2	10	0.5
(1,920)	1:80:A:LEU:HD12	1:81:A:ARG:HD3	10	0.5
(1,920)	1:80:A:LEU:HD13	1:81:A:ARG:HD2	10	0.5
(1,920)	1:80:A:LEU:HD13	1:81:A:ARG:HD3	10	0.5
(1,920)	1:80:A:LEU:HD21	1:81:A:ARG:HD2	10	0.5
(1,920)	1:80:A:LEU:HD21	1:81:A:ARG:HD3	10	0.5
(1,920)	1:80:A:LEU:HD22	1:81:A:ARG:HD2	10	0.5
(1,920)	1:80:A:LEU:HD22	1:81:A:ARG:HD3	10	0.5
(1,920)	1:80:A:LEU:HD23	1:81:A:ARG:HD2	10	0.5
(1,920)	1:80:A:LEU:HD23	1:81:A:ARG:HD3	10	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,920)	1:80:A:LEU:HD11	1:81:A:ARG:HD2	12	0.5
(1,920)	1:80:A:LEU:HD11	1:81:A:ARG:HD3	12	0.5
(1,920)	1:80:A:LEU:HD12	1:81:A:ARG:HD2	12	0.5
(1,920)	1:80:A:LEU:HD12	1:81:A:ARG:HD3	12	0.5
(1,920)	1:80:A:LEU:HD13	1:81:A:ARG:HD2	12	0.5
(1,920)	1:80:A:LEU:HD13	1:81:A:ARG:HD3	12	0.5
(1,920)	1:80:A:LEU:HD21	1:81:A:ARG:HD2	12	0.5
(1,920)	1:80:A:LEU:HD21	1:81:A:ARG:HD3	12	0.5
(1,920)	1:80:A:LEU:HD22	1:81:A:ARG:HD2	12	0.5
(1,920)	1:80:A:LEU:HD22	1:81:A:ARG:HD3	12	0.5
(1,920)	1:80:A:LEU:HD23	1:81:A:ARG:HD2	12	0.5
(1,920)	1:80:A:LEU:HD23	1:81:A:ARG:HD3	12	0.5
(1,829)	1:74:A:LYS:HE2	1:73:B:LEU:HG	18	0.5
(1,829)	1:74:A:LYS:HE3	1:73:B:LEU:HG	18	0.5
(1,804)	1:73:A:LEU:HD11	1:77:A:TYR:H	17	0.5
(1,804)	1:73:A:LEU:HD12	1:77:A:TYR:H	17	0.5
(1,804)	1:73:A:LEU:HD13	1:77:A:TYR:H	17	0.5
(1,804)	1:73:A:LEU:HD21	1:77:A:TYR:H	17	0.5
(1,804)	1:73:A:LEU:HD22	1:77:A:TYR:H	17	0.5
(1,804)	1:73:A:LEU:HD23	1:77:A:TYR:H	17	0.5
(1,791)	1:73:A:LEU:HG	1:74:A:LYS:H	6	0.5
(1,765)	1:72:A:LYS:H	1:27:B:GLU:HB2	9	0.5
(1,765)	1:72:A:LYS:H	1:27:B:GLU:HB3	9	0.5
(1,737)	1:71:A:LEU:H	1:70:B:TYR:HE1	3	0.5
(1,737)	1:71:A:LEU:H	1:70:B:TYR:HE2	3	0.5
(1,734)	1:70:A:TYR:HE1	1:71:B:LEU:H	9	0.5
(1,734)	1:70:A:TYR:HE2	1:71:B:LEU:H	9	0.5
(1,665)	1:65:A:GLN:HG2	1:23:B:ILE:HD11	3	0.5
(1,665)	1:65:A:GLN:HG2	1:23:B:ILE:HD12	3	0.5
(1,665)	1:65:A:GLN:HG2	1:23:B:ILE:HD13	3	0.5
(1,665)	1:65:A:GLN:HG3	1:23:B:ILE:HD11	3	0.5
(1,665)	1:65:A:GLN:HG3	1:23:B:ILE:HD12	3	0.5
(1,665)	1:65:A:GLN:HG3	1:23:B:ILE:HD13	3	0.5
(1,507)	1:56:A:PRO:HG3	1:57:A:LYS:H	19	0.5
(1,504)	1:56:A:PRO:HG2	1:56:B:PRO:HA	2	0.5
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD11	4	0.5
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD12	4	0.5
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD13	4	0.5
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD21	4	0.5
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD22	4	0.5
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD23	4	0.5
(1,399)	1:43:A:MET:HB2	1:58:A:LEU:HG	16	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,399)	1:43:A:MET:HB3	1:58:A:LEU:HG	16	0.5
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD11	11	0.5
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD12	11	0.5
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD13	11	0.5
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD21	11	0.5
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD22	11	0.5
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD23	11	0.5
(1,386)	1:42:A:LYS:HD2	1:66:A:ILE:H	8	0.5
(1,386)	1:42:A:LYS:HD3	1:66:A:ILE:H	8	0.5
(1,386)	1:42:A:LYS:HD2	1:66:A:ILE:H	20	0.5
(1,386)	1:42:A:LYS:HD3	1:66:A:ILE:H	20	0.5
(1,309)	1:35:A:VAL:HG11	1:38:A:PHE:HD1	2	0.5
(1,309)	1:35:A:VAL:HG11	1:38:A:PHE:HD2	2	0.5
(1,309)	1:35:A:VAL:HG12	1:38:A:PHE:HD1	2	0.5
(1,309)	1:35:A:VAL:HG12	1:38:A:PHE:HD2	2	0.5
(1,309)	1:35:A:VAL:HG13	1:38:A:PHE:HD1	2	0.5
(1,309)	1:35:A:VAL:HG13	1:38:A:PHE:HD2	2	0.5
(1,309)	1:35:A:VAL:HG21	1:38:A:PHE:HD1	2	0.5
(1,309)	1:35:A:VAL:HG21	1:38:A:PHE:HD2	2	0.5
(1,309)	1:35:A:VAL:HG22	1:38:A:PHE:HD1	2	0.5
(1,309)	1:35:A:VAL:HG22	1:38:A:PHE:HD2	2	0.5
(1,309)	1:35:A:VAL:HG23	1:38:A:PHE:HD1	2	0.5
(1,309)	1:35:A:VAL:HG23	1:38:A:PHE:HD2	2	0.5
(1,240)	1:30:A:ALA:HB1	1:33:A:ARG:HD2	18	0.5
(1,240)	1:30:A:ALA:HB1	1:33:A:ARG:HD3	18	0.5
(1,240)	1:30:A:ALA:HB2	1:33:A:ARG:HD2	18	0.5
(1,240)	1:30:A:ALA:HB2	1:33:A:ARG:HD3	18	0.5
(1,240)	1:30:A:ALA:HB3	1:33:A:ARG:HD2	18	0.5
(1,240)	1:30:A:ALA:HB3	1:33:A:ARG:HD3	18	0.5
(1,200)	1:23:A:ILE:HD11	1:65:B:GLN:HG2	11	0.5
(1,200)	1:23:A:ILE:HD11	1:65:B:GLN:HG3	11	0.5
(1,200)	1:23:A:ILE:HD12	1:65:B:GLN:HG2	11	0.5
(1,200)	1:23:A:ILE:HD12	1:65:B:GLN:HG3	11	0.5
(1,200)	1:23:A:ILE:HD13	1:65:B:GLN:HG2	11	0.5
(1,200)	1:23:A:ILE:HD13	1:65:B:GLN:HG3	11	0.5
(1,200)	1:23:A:ILE:HD11	1:65:B:GLN:HG2	17	0.5
(1,200)	1:23:A:ILE:HD11	1:65:B:GLN:HG3	17	0.5
(1,200)	1:23:A:ILE:HD12	1:65:B:GLN:HG2	17	0.5
(1,200)	1:23:A:ILE:HD12	1:65:B:GLN:HG3	17	0.5
(1,200)	1:23:A:ILE:HD13	1:65:B:GLN:HG2	17	0.5
(1,200)	1:23:A:ILE:HD13	1:65:B:GLN:HG3	17	0.5
(1,178)	1:21:A:TYR:HD1	1:61:B:LEU:HD21	3	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,178)	1:21:A:TYR:HD1	1:61:B:LEU:HD22	3	0.5
(1,178)	1:21:A:TYR:HD1	1:61:B:LEU:HD23	3	0.5
(1,178)	1:21:A:TYR:HD2	1:61:B:LEU:HD21	3	0.5
(1,178)	1:21:A:TYR:HD2	1:61:B:LEU:HD22	3	0.5
(1,178)	1:21:A:TYR:HD2	1:61:B:LEU:HD23	3	0.5
(1,172)	1:21:A:TYR:HB2	1:23:A:ILE:HD11	7	0.5
(1,172)	1:21:A:TYR:HB2	1:23:A:ILE:HD12	7	0.5
(1,172)	1:21:A:TYR:HB2	1:23:A:ILE:HD13	7	0.5
(1,172)	1:21:A:TYR:HB3	1:23:A:ILE:HD11	7	0.5
(1,172)	1:21:A:TYR:HB3	1:23:A:ILE:HD12	7	0.5
(1,172)	1:21:A:TYR:HB3	1:23:A:ILE:HD13	7	0.5
(1,156)	1:19:A:GLN:HB2	1:52:B:MET:HG3	9	0.5
(1,113)	1:16:A:ILE:H	1:21:A:TYR:H	9	0.5
(1,113)	1:16:A:ILE:H	1:21:A:TYR:H	11	0.5
(1,65)	1:12:A:VAL:HG11	1:33:A:ARG:HD2	10	0.5
(1,65)	1:12:A:VAL:HG11	1:33:A:ARG:HD3	10	0.5
(1,65)	1:12:A:VAL:HG12	1:33:A:ARG:HD2	10	0.5
(1,65)	1:12:A:VAL:HG12	1:33:A:ARG:HD3	10	0.5
(1,65)	1:12:A:VAL:HG13	1:33:A:ARG:HD2	10	0.5
(1,65)	1:12:A:VAL:HG13	1:33:A:ARG:HD3	10	0.5
(1,65)	1:12:A:VAL:HG21	1:33:A:ARG:HD2	10	0.5
(1,65)	1:12:A:VAL:HG21	1:33:A:ARG:HD3	10	0.5
(1,65)	1:12:A:VAL:HG22	1:33:A:ARG:HD2	10	0.5
(1,65)	1:12:A:VAL:HG22	1:33:A:ARG:HD3	10	0.5
(1,65)	1:12:A:VAL:HG23	1:33:A:ARG:HD2	10	0.5
(1,65)	1:12:A:VAL:HG23	1:33:A:ARG:HD3	10	0.5
(1,62)	1:12:A:VAL:HG11	1:32:A:ILE:H	8	0.5
(1,62)	1:12:A:VAL:HG12	1:32:A:ILE:H	8	0.5
(1,62)	1:12:A:VAL:HG13	1:32:A:ILE:H	8	0.5
(1,62)	1:12:A:VAL:HG21	1:32:A:ILE:H	8	0.5
(1,62)	1:12:A:VAL:HG22	1:32:A:ILE:H	8	0.5
(1,62)	1:12:A:VAL:HG23	1:32:A:ILE:H	8	0.5
(1,61)	1:12:A:VAL:HG11	1:29:A:PRO:HA	5	0.5
(1,61)	1:12:A:VAL:HG12	1:29:A:PRO:HA	5	0.5
(1,61)	1:12:A:VAL:HG13	1:29:A:PRO:HA	5	0.5
(1,61)	1:12:A:VAL:HG21	1:29:A:PRO:HA	5	0.5
(1,61)	1:12:A:VAL:HG22	1:29:A:PRO:HA	5	0.5
(1,61)	1:12:A:VAL:HG23	1:29:A:PRO:HA	5	0.5
(1,61)	1:12:A:VAL:HG11	1:29:A:PRO:HA	9	0.5
(1,61)	1:12:A:VAL:HG12	1:29:A:PRO:HA	9	0.5
(1,61)	1:12:A:VAL:HG13	1:29:A:PRO:HA	9	0.5
(1,61)	1:12:A:VAL:HG21	1:29:A:PRO:HA	9	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,61)	1:12:A:VAL:HG22	1:29:A:PRO:HA	9	0.5
(1,61)	1:12:A:VAL:HG23	1:29:A:PRO:HA	9	0.5
(1,53)	1:12:A:VAL:H	1:25:A:GLY:H	14	0.5
(1,45)	1:11:A:ARG:HD2	1:22:A:THR:HB	12	0.5
(1,45)	1:11:A:ARG:HD3	1:22:A:THR:HB	12	0.5
(1,40)	1:11:A:ARG:HA	1:24:A:VAL:HA	6	0.5
(1,35)	1:11:A:ARG:H	1:24:A:VAL:HA	6	0.5
(1,1770)	1:84:B:LEU:HD11	1:85:B:LYS:HA	14	0.49
(1,1770)	1:84:B:LEU:HD12	1:85:B:LYS:HA	14	0.49
(1,1770)	1:84:B:LEU:HD13	1:85:B:LYS:HA	14	0.49
(1,1770)	1:84:B:LEU:HD21	1:85:B:LYS:HA	14	0.49
(1,1770)	1:84:B:LEU:HD22	1:85:B:LYS:HA	14	0.49
(1,1770)	1:84:B:LEU:HD23	1:85:B:LYS:HA	14	0.49
(1,1769)	1:84:B:LEU:HD11	1:85:B:LYS:H	20	0.49
(1,1769)	1:84:B:LEU:HD12	1:85:B:LYS:H	20	0.49
(1,1769)	1:84:B:LEU:HD13	1:85:B:LYS:H	20	0.49
(1,1769)	1:84:B:LEU:HD21	1:85:B:LYS:H	20	0.49
(1,1769)	1:84:B:LEU:HD22	1:85:B:LYS:H	20	0.49
(1,1769)	1:84:B:LEU:HD23	1:85:B:LYS:H	20	0.49
(1,1746)	1:82:B:GLU:HA	1:85:B:LYS:HB2	6	0.49
(1,1746)	1:82:B:GLU:HA	1:85:B:LYS:HB3	6	0.49
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD11	15	0.49
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD12	15	0.49
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD13	15	0.49
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD21	15	0.49
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD22	15	0.49
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD23	15	0.49
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD11	15	0.49
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD12	15	0.49
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD13	15	0.49
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD21	15	0.49
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD22	15	0.49
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD23	15	0.49
(1,1673)	1:77:B:TYR:HA	1:80:B:LEU:H	2	0.49
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD11	3	0.49
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD12	3	0.49
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD13	3	0.49
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG11	1	0.49
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG12	1	0.49
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG13	1	0.49
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG21	1	0.49
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG22	1	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG23	1	0.49
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG11	6	0.49
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG12	6	0.49
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG13	6	0.49
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG21	6	0.49
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG22	6	0.49
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG23	6	0.49
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG11	15	0.49
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG12	15	0.49
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG13	15	0.49
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG21	15	0.49
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG22	15	0.49
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG23	15	0.49
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD11	9	0.49
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD12	9	0.49
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD13	9	0.49
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD21	9	0.49
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD22	9	0.49
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD23	9	0.49
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD11	11	0.49
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD12	11	0.49
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD13	11	0.49
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD21	11	0.49
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD22	11	0.49
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD23	11	0.49
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD11	1	0.49
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD12	1	0.49
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD13	1	0.49
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD21	1	0.49
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD22	1	0.49
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD23	1	0.49
(1,1374)	1:48:B:GLU:HG2	1:49:B:LYS:H	10	0.49
(1,1374)	1:48:B:GLU:HG3	1:49:B:LYS:H	10	0.49
(1,1357)	1:46:B:PHE:HD1	1:62:B:THR:H	2	0.49
(1,1357)	1:46:B:PHE:HD2	1:62:B:THR:H	2	0.49
(1,1331)	1:44:B:HIS:HA	1:58:B:LEU:HD11	6	0.49
(1,1331)	1:44:B:HIS:HA	1:58:B:LEU:HD12	6	0.49
(1,1331)	1:44:B:HIS:HA	1:58:B:LEU:HD13	6	0.49
(1,1331)	1:44:B:HIS:HA	1:58:B:LEU:HD21	6	0.49
(1,1331)	1:44:B:HIS:HA	1:58:B:LEU:HD22	6	0.49
(1,1331)	1:44:B:HIS:HA	1:58:B:LEU:HD23	6	0.49
(1,1311)	1:42:B:LYS:HD2	1:66:B:ILE:H	18	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1311)	1:42:B:LYS:HD3	1:66:B:ILE:H	18	0.49
(1,1215)	1:32:B:ILE:HA	1:36:B:ALA:H	2	0.49
(1,1215)	1:32:B:ILE:HA	1:36:B:ALA:H	11	0.49
(1,1201)	1:31:B:HIS:HA	1:34:B:LEU:HB2	20	0.49
(1,1201)	1:31:B:HIS:HA	1:34:B:LEU:HB3	20	0.49
(1,1197)	1:30:B:ALA:HB1	1:33:B:ARG:HD2	7	0.49
(1,1197)	1:30:B:ALA:HB1	1:33:B:ARG:HD3	7	0.49
(1,1197)	1:30:B:ALA:HB2	1:33:B:ARG:HD2	7	0.49
(1,1197)	1:30:B:ALA:HB2	1:33:B:ARG:HD3	7	0.49
(1,1197)	1:30:B:ALA:HB3	1:33:B:ARG:HD2	7	0.49
(1,1197)	1:30:B:ALA:HB3	1:33:B:ARG:HD3	7	0.49
(1,1178)	1:27:B:GLU:H	1:27:B:GLU:HG2	5	0.49
(1,1178)	1:27:B:GLU:H	1:27:B:GLU:HG3	5	0.49
(1,1095)	1:16:B:ILE:H	1:21:B:TYR:HD1	16	0.49
(1,1095)	1:16:B:ILE:H	1:21:B:TYR:HD2	16	0.49
(1,1094)	1:16:B:ILE:H	1:21:B:TYR:H	4	0.49
(1,1093)	1:16:B:ILE:H	1:20:B:ASP:HA	12	0.49
(1,1092)	1:16:B:ILE:H	1:19:B:GLN:H	4	0.49
(1,1043)	1:12:B:VAL:HG11	1:32:B:ILE:H	12	0.49
(1,1043)	1:12:B:VAL:HG12	1:32:B:ILE:H	12	0.49
(1,1043)	1:12:B:VAL:HG13	1:32:B:ILE:H	12	0.49
(1,1043)	1:12:B:VAL:HG21	1:32:B:ILE:H	12	0.49
(1,1043)	1:12:B:VAL:HG22	1:32:B:ILE:H	12	0.49
(1,1043)	1:12:B:VAL:HG23	1:32:B:ILE:H	12	0.49
(1,1043)	1:12:B:VAL:HG11	1:32:B:ILE:H	19	0.49
(1,1043)	1:12:B:VAL:HG12	1:32:B:ILE:H	19	0.49
(1,1043)	1:12:B:VAL:HG13	1:32:B:ILE:H	19	0.49
(1,1043)	1:12:B:VAL:HG21	1:32:B:ILE:H	19	0.49
(1,1043)	1:12:B:VAL:HG22	1:32:B:ILE:H	19	0.49
(1,1043)	1:12:B:VAL:HG23	1:32:B:ILE:H	19	0.49
(1,1042)	1:12:B:VAL:HG11	1:29:B:PRO:HA	1	0.49
(1,1042)	1:12:B:VAL:HG12	1:29:B:PRO:HA	1	0.49
(1,1042)	1:12:B:VAL:HG13	1:29:B:PRO:HA	1	0.49
(1,1042)	1:12:B:VAL:HG21	1:29:B:PRO:HA	1	0.49
(1,1042)	1:12:B:VAL:HG22	1:29:B:PRO:HA	1	0.49
(1,1042)	1:12:B:VAL:HG23	1:29:B:PRO:HA	1	0.49
(1,1034)	1:12:B:VAL:H	1:25:B:GLY:H	7	0.49
(1,1011)	1:10:B:THR:HG21	1:12:B:VAL:HB	2	0.49
(1,1011)	1:10:B:THR:HG22	1:12:B:VAL:HB	2	0.49
(1,1011)	1:10:B:THR:HG23	1:12:B:VAL:HB	2	0.49
(1,1003)	1:10:B:THR:H	1:25:B:GLY:H	14	0.49
(1,941)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	10	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,941)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	10	0.49
(1,941)	1:81:A:ARG:HG3	1:77:B:TYR:HE1	10	0.49
(1,941)	1:81:A:ARG:HG3	1:77:B:TYR:HE2	10	0.49
(1,938)	1:81:A:ARG:HG3	1:77:B:TYR:HE1	1	0.49
(1,938)	1:81:A:ARG:HG3	1:77:B:TYR:HE2	1	0.49
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	7	0.49
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	7	0.49
(1,873)	1:77:A:TYR:HE1	1:76:B:GLU:HG2	3	0.49
(1,873)	1:77:A:TYR:HE1	1:76:B:GLU:HG3	3	0.49
(1,873)	1:77:A:TYR:HE2	1:76:B:GLU:HG2	3	0.49
(1,873)	1:77:A:TYR:HE2	1:76:B:GLU:HG3	3	0.49
(1,873)	1:77:A:TYR:HE1	1:76:B:GLU:HG2	10	0.49
(1,873)	1:77:A:TYR:HE1	1:76:B:GLU:HG3	10	0.49
(1,873)	1:77:A:TYR:HE2	1:76:B:GLU:HG2	10	0.49
(1,873)	1:77:A:TYR:HE2	1:76:B:GLU:HG3	10	0.49
(1,857)	1:76:A:GLU:HG2	1:77:B:TYR:HE1	11	0.49
(1,857)	1:76:A:GLU:HG2	1:77:B:TYR:HE2	11	0.49
(1,857)	1:76:A:GLU:HG3	1:77:B:TYR:HE1	11	0.49
(1,857)	1:76:A:GLU:HG3	1:77:B:TYR:HE2	11	0.49
(1,857)	1:76:A:GLU:HG2	1:77:B:TYR:HE1	19	0.49
(1,857)	1:76:A:GLU:HG2	1:77:B:TYR:HE2	19	0.49
(1,857)	1:76:A:GLU:HG3	1:77:B:TYR:HE1	19	0.49
(1,857)	1:76:A:GLU:HG3	1:77:B:TYR:HE2	19	0.49
(1,829)	1:74:A:LYS:HE2	1:73:B:LEU:HG	13	0.49
(1,829)	1:74:A:LYS:HE3	1:73:B:LEU:HG	13	0.49
(1,791)	1:73:A:LEU:HG	1:74:A:LYS:H	9	0.49
(1,791)	1:73:A:LEU:HG	1:74:A:LYS:H	13	0.49
(1,747)	1:71:A:LEU:HA	1:74:A:LYS:HE2	2	0.49
(1,747)	1:71:A:LEU:HA	1:74:A:LYS:HE3	2	0.49
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD21	11	0.49
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD22	11	0.49
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD23	11	0.49
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD21	11	0.49
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD22	11	0.49
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD23	11	0.49
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD11	11	0.49
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD12	11	0.49
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD13	11	0.49
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD21	11	0.49
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD22	11	0.49
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD23	11	0.49
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD11	11	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD12	11	0.49
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD13	11	0.49
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD21	11	0.49
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD22	11	0.49
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD23	11	0.49
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD11	6	0.49
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD12	6	0.49
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD13	6	0.49
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD21	6	0.49
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD22	6	0.49
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD23	6	0.49
(1,724)	1:70:A:TYR:HA	1:73:A:LEU:HG	17	0.49
(1,710)	1:69:A:GLU:H	1:72:A:LYS:HG2	11	0.49
(1,710)	1:69:A:GLU:H	1:72:A:LYS:HG3	11	0.49
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB1	2	0.49
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB2	2	0.49
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB3	2	0.49
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB1	2	0.49
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB2	2	0.49
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB3	2	0.49
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB1	2	0.49
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB2	2	0.49
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB3	2	0.49
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB1	11	0.49
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB2	11	0.49
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB3	11	0.49
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB1	11	0.49
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB2	11	0.49
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB3	11	0.49
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB1	11	0.49
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB2	11	0.49
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB3	11	0.49
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB1	15	0.49
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB2	15	0.49
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB3	15	0.49
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB1	15	0.49
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB2	15	0.49
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB3	15	0.49
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB1	15	0.49
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB2	15	0.49
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB3	15	0.49
(1,665)	1:65:A:GLN:HG2	1:23:B:ILE:HD11	19	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,665)	1:65:A:GLN:HG2	1:23:B:ILE:HD12	19	0.49
(1,665)	1:65:A:GLN:HG2	1:23:B:ILE:HD13	19	0.49
(1,665)	1:65:A:GLN:HG3	1:23:B:ILE:HD11	19	0.49
(1,665)	1:65:A:GLN:HG3	1:23:B:ILE:HD12	19	0.49
(1,665)	1:65:A:GLN:HG3	1:23:B:ILE:HD13	19	0.49
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG21	18	0.49
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG22	18	0.49
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG23	18	0.49
(1,632)	1:64:A:VAL:HB	1:36:B:ALA:HA	16	0.49
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG21	16	0.49
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG22	16	0.49
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG23	16	0.49
(1,586)	1:61:A:LEU:HA	1:64:A:VAL:HB	13	0.49
(1,586)	1:61:A:LEU:HA	1:64:A:VAL:HB	17	0.49
(1,475)	1:51:A:PRO:HG2	1:52:A:MET:HG2	15	0.49
(1,475)	1:51:A:PRO:HG2	1:52:A:MET:HG3	15	0.49
(1,475)	1:51:A:PRO:HG3	1:52:A:MET:HG2	15	0.49
(1,475)	1:51:A:PRO:HG3	1:52:A:MET:HG3	15	0.49
(1,432)	1:46:A:PHE:HD1	1:62:A:THR:H	9	0.49
(1,432)	1:46:A:PHE:HD2	1:62:A:THR:H	9	0.49
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB1	18	0.49
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB2	18	0.49
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB3	18	0.49
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB1	18	0.49
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB2	18	0.49
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB3	18	0.49
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB1	18	0.49
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB2	18	0.49
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB3	18	0.49
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB1	18	0.49
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB2	18	0.49
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB3	18	0.49
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB1	18	0.49
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB2	18	0.49
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB3	18	0.49
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB1	18	0.49
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB2	18	0.49
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB3	18	0.49
(1,172)	1:21:A:TYR:HB2	1:23:A:ILE:HD11	10	0.49
(1,172)	1:21:A:TYR:HB2	1:23:A:ILE:HD12	10	0.49
(1,172)	1:21:A:TYR:HB2	1:23:A:ILE:HD13	10	0.49
(1,172)	1:21:A:TYR:HB3	1:23:A:ILE:HD11	10	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,172)	1:21:A:TYR:HB3	1:23:A:ILE:HD12	10	0.49
(1,172)	1:21:A:TYR:HB3	1:23:A:ILE:HD13	10	0.49
(1,114)	1:16:A:ILE:H	1:21:A:TYR:HD1	16	0.49
(1,114)	1:16:A:ILE:H	1:21:A:TYR:HD2	16	0.49
(1,94)	1:15:A:ARG:HA	1:21:A:TYR:H	7	0.49
(1,53)	1:12:A:VAL:H	1:25:A:GLY:H	13	0.49
(1,52)	1:12:A:VAL:H	1:24:A:VAL:HA	6	0.49
(1,44)	1:11:A:ARG:HB2	1:24:A:VAL:HG11	4	0.49
(1,44)	1:11:A:ARG:HB2	1:24:A:VAL:HG12	4	0.49
(1,44)	1:11:A:ARG:HB2	1:24:A:VAL:HG13	4	0.49
(1,44)	1:11:A:ARG:HB2	1:24:A:VAL:HG21	4	0.49
(1,44)	1:11:A:ARG:HB2	1:24:A:VAL:HG22	4	0.49
(1,44)	1:11:A:ARG:HB2	1:24:A:VAL:HG23	4	0.49
(1,44)	1:11:A:ARG:HB3	1:24:A:VAL:HG11	4	0.49
(1,44)	1:11:A:ARG:HB3	1:24:A:VAL:HG12	4	0.49
(1,44)	1:11:A:ARG:HB3	1:24:A:VAL:HG13	4	0.49
(1,44)	1:11:A:ARG:HB3	1:24:A:VAL:HG21	4	0.49
(1,44)	1:11:A:ARG:HB3	1:24:A:VAL:HG22	4	0.49
(1,44)	1:11:A:ARG:HB3	1:24:A:VAL:HG23	4	0.49
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG11	4	0.49
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG12	4	0.49
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG13	4	0.49
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG21	4	0.49
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG22	4	0.49
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG23	4	0.49
(1,29)	1:10:A:THR:HG21	1:12:A:VAL:HA	13	0.49
(1,29)	1:10:A:THR:HG22	1:12:A:VAL:HA	13	0.49
(1,29)	1:10:A:THR:HG23	1:12:A:VAL:HA	13	0.49
(1,1769)	1:84:B:LEU:HD11	1:85:B:LYS:H	4	0.48
(1,1769)	1:84:B:LEU:HD12	1:85:B:LYS:H	4	0.48
(1,1769)	1:84:B:LEU:HD13	1:85:B:LYS:H	4	0.48
(1,1769)	1:84:B:LEU:HD21	1:85:B:LYS:H	4	0.48
(1,1769)	1:84:B:LEU:HD22	1:85:B:LYS:H	4	0.48
(1,1769)	1:84:B:LEU:HD23	1:85:B:LYS:H	4	0.48
(1,1762)	1:83:B:GLN:HG2	1:84:B:LEU:HD11	5	0.48
(1,1762)	1:83:B:GLN:HG2	1:84:B:LEU:HD12	5	0.48
(1,1762)	1:83:B:GLN:HG2	1:84:B:LEU:HD13	5	0.48
(1,1762)	1:83:B:GLN:HG2	1:84:B:LEU:HD21	5	0.48
(1,1762)	1:83:B:GLN:HG2	1:84:B:LEU:HD22	5	0.48
(1,1762)	1:83:B:GLN:HG2	1:84:B:LEU:HD23	5	0.48
(1,1762)	1:83:B:GLN:HG3	1:84:B:LEU:HD11	5	0.48
(1,1762)	1:83:B:GLN:HG3	1:84:B:LEU:HD12	5	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1762)	1:83:B:GLN:HG3	1:84:B:LEU:HD13	5	0.48
(1,1762)	1:83:B:GLN:HG3	1:84:B:LEU:HD21	5	0.48
(1,1762)	1:83:B:GLN:HG3	1:84:B:LEU:HD22	5	0.48
(1,1762)	1:83:B:GLN:HG3	1:84:B:LEU:HD23	5	0.48
(1,1745)	1:82:B:GLU:HA	1:85:B:LYS:H	20	0.48
(1,1673)	1:77:B:TYR:HA	1:80:B:LEU:H	6	0.48
(1,1608)	1:73:B:LEU:HG	1:74:B:LYS:H	1	0.48
(1,1579)	1:71:B:LEU:HA	1:75:B:GLU:HB2	9	0.48
(1,1579)	1:71:B:LEU:HA	1:75:B:GLU:HB3	9	0.48
(1,1563)	1:70:B:TYR:HA	1:73:B:LEU:HG	15	0.48
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD11	1	0.48
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD12	1	0.48
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD13	1	0.48
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD11	14	0.48
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD12	14	0.48
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD13	14	0.48
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD21	14	0.48
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD22	14	0.48
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD23	14	0.48
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD11	1	0.48
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD12	1	0.48
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD13	1	0.48
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD21	1	0.48
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD22	1	0.48
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD23	1	0.48
(1,1311)	1:42:B:LYS:HD2	1:66:B:ILE:H	10	0.48
(1,1311)	1:42:B:LYS:HD3	1:66:B:ILE:H	10	0.48
(1,1215)	1:32:B:ILE:HA	1:36:B:ALA:H	3	0.48
(1,1178)	1:27:B:GLU:H	1:27:B:GLU:HG2	9	0.48
(1,1178)	1:27:B:GLU:H	1:27:B:GLU:HG3	9	0.48
(1,1178)	1:27:B:GLU:H	1:27:B:GLU:HG2	15	0.48
(1,1178)	1:27:B:GLU:H	1:27:B:GLU:HG3	15	0.48
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD11	5	0.48
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD12	5	0.48
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD13	5	0.48
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD21	5	0.48
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD22	5	0.48
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD23	5	0.48
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD11	5	0.48
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD12	5	0.48
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD13	5	0.48
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD21	5	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD22	5	0.48
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD23	5	0.48
(1,1094)	1:16:B:ILE:H	1:21:B:TYR:H	16	0.48
(1,1092)	1:16:B:ILE:H	1:19:B:GLN:H	2	0.48
(1,1046)	1:12:B:VAL:HG11	1:33:B:ARG:HD2	16	0.48
(1,1046)	1:12:B:VAL:HG11	1:33:B:ARG:HD3	16	0.48
(1,1046)	1:12:B:VAL:HG12	1:33:B:ARG:HD2	16	0.48
(1,1046)	1:12:B:VAL:HG12	1:33:B:ARG:HD3	16	0.48
(1,1046)	1:12:B:VAL:HG13	1:33:B:ARG:HD2	16	0.48
(1,1046)	1:12:B:VAL:HG13	1:33:B:ARG:HD3	16	0.48
(1,1046)	1:12:B:VAL:HG21	1:33:B:ARG:HD2	16	0.48
(1,1046)	1:12:B:VAL:HG21	1:33:B:ARG:HD3	16	0.48
(1,1046)	1:12:B:VAL:HG22	1:33:B:ARG:HD2	16	0.48
(1,1046)	1:12:B:VAL:HG22	1:33:B:ARG:HD3	16	0.48
(1,1046)	1:12:B:VAL:HG23	1:33:B:ARG:HD2	16	0.48
(1,1046)	1:12:B:VAL:HG23	1:33:B:ARG:HD3	16	0.48
(1,1034)	1:12:B:VAL:H	1:25:B:GLY:H	3	0.48
(1,1016)	1:11:B:ARG:H	1:24:B:VAL:HA	4	0.48
(1,974)	1:84:A:LEU:HD11	1:85:A:LYS:HA	16	0.48
(1,974)	1:84:A:LEU:HD12	1:85:A:LYS:HA	16	0.48
(1,974)	1:84:A:LEU:HD13	1:85:A:LYS:HA	16	0.48
(1,974)	1:84:A:LEU:HD21	1:85:A:LYS:HA	16	0.48
(1,974)	1:84:A:LEU:HD22	1:85:A:LYS:HA	16	0.48
(1,974)	1:84:A:LEU:HD23	1:85:A:LYS:HA	16	0.48
(1,973)	1:84:A:LEU:HD11	1:85:A:LYS:H	17	0.48
(1,973)	1:84:A:LEU:HD12	1:85:A:LYS:H	17	0.48
(1,973)	1:84:A:LEU:HD13	1:85:A:LYS:H	17	0.48
(1,973)	1:84:A:LEU:HD21	1:85:A:LYS:H	17	0.48
(1,973)	1:84:A:LEU:HD22	1:85:A:LYS:H	17	0.48
(1,973)	1:84:A:LEU:HD23	1:85:A:LYS:H	17	0.48
(1,941)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	18	0.48
(1,941)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	18	0.48
(1,941)	1:81:A:ARG:HG3	1:77:B:TYR:HE1	18	0.48
(1,941)	1:81:A:ARG:HG3	1:77:B:TYR:HE2	18	0.48
(1,922)	1:80:A:LEU:HD11	1:82:A:GLU:H	5	0.48
(1,922)	1:80:A:LEU:HD12	1:82:A:GLU:H	5	0.48
(1,922)	1:80:A:LEU:HD13	1:82:A:GLU:H	5	0.48
(1,922)	1:80:A:LEU:HD21	1:82:A:GLU:H	5	0.48
(1,922)	1:80:A:LEU:HD22	1:82:A:GLU:H	5	0.48
(1,922)	1:80:A:LEU:HD23	1:82:A:GLU:H	5	0.48
(1,919)	1:80:A:LEU:HD11	1:81:A:ARG:HB2	18	0.48
(1,919)	1:80:A:LEU:HD11	1:81:A:ARG:HB3	18	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,919)	1:80:A:LEU:HD12	1:81:A:ARG:HB2	18	0.48
(1,919)	1:80:A:LEU:HD12	1:81:A:ARG:HB3	18	0.48
(1,919)	1:80:A:LEU:HD13	1:81:A:ARG:HB2	18	0.48
(1,919)	1:80:A:LEU:HD13	1:81:A:ARG:HB3	18	0.48
(1,919)	1:80:A:LEU:HD21	1:81:A:ARG:HB2	18	0.48
(1,919)	1:80:A:LEU:HD21	1:81:A:ARG:HB3	18	0.48
(1,919)	1:80:A:LEU:HD22	1:81:A:ARG:HB2	18	0.48
(1,919)	1:80:A:LEU:HD22	1:81:A:ARG:HB3	18	0.48
(1,919)	1:80:A:LEU:HD23	1:81:A:ARG:HB2	18	0.48
(1,919)	1:80:A:LEU:HD23	1:81:A:ARG:HB3	18	0.48
(1,843)	1:75:A:GLU:HG2	1:27:B:GLU:HG2	18	0.48
(1,843)	1:75:A:GLU:HG2	1:27:B:GLU:HG3	18	0.48
(1,843)	1:75:A:GLU:HG3	1:27:B:GLU:HG2	18	0.48
(1,843)	1:75:A:GLU:HG3	1:27:B:GLU:HG3	18	0.48
(1,791)	1:73:A:LEU:HG	1:74:A:LYS:H	8	0.48
(1,724)	1:70:A:TYR:HA	1:73:A:LEU:HG	20	0.48
(1,686)	1:67:A:ALA:HA	1:70:B:TYR:HD1	4	0.48
(1,686)	1:67:A:ALA:HA	1:70:B:TYR:HD2	4	0.48
(1,686)	1:67:A:ALA:HA	1:70:B:TYR:HD1	8	0.48
(1,686)	1:67:A:ALA:HA	1:70:B:TYR:HD2	8	0.48
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD11	8	0.48
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD12	8	0.48
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD13	8	0.48
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD11	5	0.48
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD12	5	0.48
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD13	5	0.48
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD21	5	0.48
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD22	5	0.48
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD23	5	0.48
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD11	19	0.48
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD12	19	0.48
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD13	19	0.48
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD21	19	0.48
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD22	19	0.48
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD23	19	0.48
(1,399)	1:43:A:MET:HB2	1:58:A:LEU:HG	18	0.48
(1,399)	1:43:A:MET:HB3	1:58:A:LEU:HG	18	0.48
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG21	14	0.48
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG22	14	0.48
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG23	14	0.48
(1,224)	1:27:A:GLU:HB2	1:72:B:LYS:H	2	0.48
(1,224)	1:27:A:GLU:HB3	1:72:B:LYS:H	2	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,220)	1:27:A:GLU:H	1:27:A:GLU:HG2	4	0.48
(1,220)	1:27:A:GLU:H	1:27:A:GLU:HG3	4	0.48
(1,156)	1:19:A:GLN:HB2	1:52:B:MET:HG3	20	0.48
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD11	16	0.48
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD12	16	0.48
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD13	16	0.48
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD21	16	0.48
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD22	16	0.48
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD23	16	0.48
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD11	16	0.48
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD12	16	0.48
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD13	16	0.48
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD21	16	0.48
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD22	16	0.48
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD23	16	0.48
(1,95)	1:15:A:ARG:HA	1:21:A:TYR:HD1	16	0.48
(1,95)	1:15:A:ARG:HA	1:21:A:TYR:HD2	16	0.48
(1,64)	1:12:A:VAL:HG11	1:33:A:ARG:HA	8	0.48
(1,64)	1:12:A:VAL:HG12	1:33:A:ARG:HA	8	0.48
(1,64)	1:12:A:VAL:HG13	1:33:A:ARG:HA	8	0.48
(1,64)	1:12:A:VAL:HG21	1:33:A:ARG:HA	8	0.48
(1,64)	1:12:A:VAL:HG22	1:33:A:ARG:HA	8	0.48
(1,64)	1:12:A:VAL:HG23	1:33:A:ARG:HA	8	0.48
(1,62)	1:12:A:VAL:HG11	1:32:A:ILE:H	11	0.48
(1,62)	1:12:A:VAL:HG12	1:32:A:ILE:H	11	0.48
(1,62)	1:12:A:VAL:HG13	1:32:A:ILE:H	11	0.48
(1,62)	1:12:A:VAL:HG21	1:32:A:ILE:H	11	0.48
(1,62)	1:12:A:VAL:HG22	1:32:A:ILE:H	11	0.48
(1,62)	1:12:A:VAL:HG23	1:32:A:ILE:H	11	0.48
(1,62)	1:12:A:VAL:HG11	1:32:A:ILE:H	17	0.48
(1,62)	1:12:A:VAL:HG12	1:32:A:ILE:H	17	0.48
(1,62)	1:12:A:VAL:HG13	1:32:A:ILE:H	17	0.48
(1,62)	1:12:A:VAL:HG21	1:32:A:ILE:H	17	0.48
(1,62)	1:12:A:VAL:HG22	1:32:A:ILE:H	17	0.48
(1,62)	1:12:A:VAL:HG23	1:32:A:ILE:H	17	0.48
(1,53)	1:12:A:VAL:H	1:25:A:GLY:H	15	0.48
(1,1770)	1:84:B:LEU:HD11	1:85:B:LYS:HA	4	0.47
(1,1770)	1:84:B:LEU:HD12	1:85:B:LYS:HA	4	0.47
(1,1770)	1:84:B:LEU:HD13	1:85:B:LYS:HA	4	0.47
(1,1770)	1:84:B:LEU:HD21	1:85:B:LYS:HA	4	0.47
(1,1770)	1:84:B:LEU:HD22	1:85:B:LYS:HA	4	0.47
(1,1770)	1:84:B:LEU:HD23	1:85:B:LYS:HA	4	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1769)	1:84:B:LEU:HD11	1:85:B:LYS:H	7	0.47
(1,1769)	1:84:B:LEU:HD12	1:85:B:LYS:H	7	0.47
(1,1769)	1:84:B:LEU:HD13	1:85:B:LYS:H	7	0.47
(1,1769)	1:84:B:LEU:HD21	1:85:B:LYS:H	7	0.47
(1,1769)	1:84:B:LEU:HD22	1:85:B:LYS:H	7	0.47
(1,1769)	1:84:B:LEU:HD23	1:85:B:LYS:H	7	0.47
(1,1673)	1:77:B:TYR:HA	1:80:B:LEU:H	15	0.47
(1,1654)	1:75:B:GLU:HG2	1:76:B:GLU:HA	5	0.47
(1,1654)	1:75:B:GLU:HG3	1:76:B:GLU:HA	5	0.47
(1,1612)	1:73:B:LEU:HD21	1:74:B:LYS:HA	18	0.47
(1,1612)	1:73:B:LEU:HD22	1:74:B:LYS:HA	18	0.47
(1,1612)	1:73:B:LEU:HD23	1:74:B:LYS:HA	18	0.47
(1,1608)	1:73:B:LEU:HG	1:74:B:LYS:H	18	0.47
(1,1400)	1:51:B:PRO:HG2	1:52:B:MET:HG2	15	0.47
(1,1400)	1:51:B:PRO:HG2	1:52:B:MET:HG3	15	0.47
(1,1400)	1:51:B:PRO:HG3	1:52:B:MET:HG2	15	0.47
(1,1400)	1:51:B:PRO:HG3	1:52:B:MET:HG3	15	0.47
(1,1362)	1:47:B:SER:H	1:58:B:LEU:HG	6	0.47
(1,1362)	1:47:B:SER:H	1:58:B:LEU:HG	7	0.47
(1,1319)	1:43:B:MET:H	1:62:B:THR:HB	10	0.47
(1,1094)	1:16:B:ILE:H	1:21:B:TYR:H	12	0.47
(1,1043)	1:12:B:VAL:HG11	1:32:B:ILE:H	10	0.47
(1,1043)	1:12:B:VAL:HG12	1:32:B:ILE:H	10	0.47
(1,1043)	1:12:B:VAL:HG13	1:32:B:ILE:H	10	0.47
(1,1043)	1:12:B:VAL:HG21	1:32:B:ILE:H	10	0.47
(1,1043)	1:12:B:VAL:HG22	1:32:B:ILE:H	10	0.47
(1,1043)	1:12:B:VAL:HG23	1:32:B:ILE:H	10	0.47
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG11	2	0.47
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG12	2	0.47
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG13	2	0.47
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG21	2	0.47
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG22	2	0.47
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG23	2	0.47
(1,1016)	1:11:B:ARG:H	1:24:B:VAL:HA	7	0.47
(1,1003)	1:10:B:THR:H	1:25:B:GLY:H	3	0.47
(1,973)	1:84:A:LEU:HD11	1:85:A:LYS:H	9	0.47
(1,973)	1:84:A:LEU:HD12	1:85:A:LYS:H	9	0.47
(1,973)	1:84:A:LEU:HD13	1:85:A:LYS:H	9	0.47
(1,973)	1:84:A:LEU:HD21	1:85:A:LYS:H	9	0.47
(1,973)	1:84:A:LEU:HD22	1:85:A:LYS:H	9	0.47
(1,973)	1:84:A:LEU:HD23	1:85:A:LYS:H	9	0.47
(1,973)	1:84:A:LEU:HD11	1:85:A:LYS:H	10	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,973)	1:84:A:LEU:HD12	1:85:A:LYS:H	10	0.47
(1,973)	1:84:A:LEU:HD13	1:85:A:LYS:H	10	0.47
(1,973)	1:84:A:LEU:HD21	1:85:A:LYS:H	10	0.47
(1,973)	1:84:A:LEU:HD22	1:85:A:LYS:H	10	0.47
(1,973)	1:84:A:LEU:HD23	1:85:A:LYS:H	10	0.47
(1,973)	1:84:A:LEU:HD11	1:85:A:LYS:H	16	0.47
(1,973)	1:84:A:LEU:HD12	1:85:A:LYS:H	16	0.47
(1,973)	1:84:A:LEU:HD13	1:85:A:LYS:H	16	0.47
(1,973)	1:84:A:LEU:HD21	1:85:A:LYS:H	16	0.47
(1,973)	1:84:A:LEU:HD22	1:85:A:LYS:H	16	0.47
(1,973)	1:84:A:LEU:HD23	1:85:A:LYS:H	16	0.47
(1,950)	1:82:A:GLU:HA	1:85:A:LYS:HB2	20	0.47
(1,950)	1:82:A:GLU:HA	1:85:A:LYS:HB3	20	0.47
(1,941)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	3	0.47
(1,941)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	3	0.47
(1,941)	1:81:A:ARG:HG3	1:77:B:TYR:HE1	3	0.47
(1,941)	1:81:A:ARG:HG3	1:77:B:TYR:HE2	3	0.47
(1,791)	1:73:A:LEU:HG	1:74:A:LYS:H	1	0.47
(1,686)	1:67:A:ALA:HA	1:70:B:TYR:HD1	19	0.47
(1,686)	1:67:A:ALA:HA	1:70:B:TYR:HD2	19	0.47
(1,675)	1:66:A:ILE:HG21	1:63:B:ALA:HA	13	0.47
(1,675)	1:66:A:ILE:HG22	1:63:B:ALA:HA	13	0.47
(1,675)	1:66:A:ILE:HG23	1:63:B:ALA:HA	13	0.47
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG21	9	0.47
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG22	9	0.47
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG23	9	0.47
(1,608)	1:62:A:THR:HB	1:65:A:GLN:HB2	2	0.47
(1,608)	1:62:A:THR:HB	1:65:A:GLN:HB3	2	0.47
(1,507)	1:56:A:PRO:HG3	1:57:A:LYS:H	15	0.47
(1,504)	1:56:A:PRO:HG2	1:56:B:PRO:HA	16	0.47
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD11	9	0.47
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD12	9	0.47
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD13	9	0.47
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD21	9	0.47
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD22	9	0.47
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD23	9	0.47
(1,432)	1:46:A:PHE:HD1	1:62:A:THR:H	5	0.47
(1,432)	1:46:A:PHE:HD2	1:62:A:THR:H	5	0.47
(1,244)	1:31:A:HIS:HA	1:34:A:LEU:HB2	9	0.47
(1,244)	1:31:A:HIS:HA	1:34:A:LEU:HB3	9	0.47
(1,240)	1:30:A:ALA:HB1	1:33:A:ARG:HD2	11	0.47
(1,240)	1:30:A:ALA:HB1	1:33:A:ARG:HD3	11	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,240)	1:30:A:ALA:HB2	1:33:A:ARG:HD2	11	0.47
(1,240)	1:30:A:ALA:HB2	1:33:A:ARG:HD3	11	0.47
(1,240)	1:30:A:ALA:HB3	1:33:A:ARG:HD2	11	0.47
(1,240)	1:30:A:ALA:HB3	1:33:A:ARG:HD3	11	0.47
(1,237)	1:30:A:ALA:HA	1:33:A:ARG:HG2	19	0.47
(1,237)	1:30:A:ALA:HA	1:33:A:ARG:HG3	19	0.47
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD11	17	0.47
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD12	17	0.47
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD13	17	0.47
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD11	17	0.47
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD12	17	0.47
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD13	17	0.47
(1,156)	1:19:A:GLN:HB2	1:52:B:MET:HG3	14	0.47
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD11	1	0.47
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD12	1	0.47
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD13	1	0.47
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD21	1	0.47
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD22	1	0.47
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD23	1	0.47
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD11	1	0.47
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD12	1	0.47
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD13	1	0.47
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD21	1	0.47
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD22	1	0.47
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD23	1	0.47
(1,78)	1:14:A:VAL:H	1:22:A:THR:HG21	15	0.47
(1,78)	1:14:A:VAL:H	1:22:A:THR:HG22	15	0.47
(1,78)	1:14:A:VAL:H	1:22:A:THR:HG23	15	0.47
(1,53)	1:12:A:VAL:H	1:25:A:GLY:H	16	0.47
(1,52)	1:12:A:VAL:H	1:24:A:VAL:HA	8	0.47
(1,52)	1:12:A:VAL:H	1:24:A:VAL:HA	10	0.47
(1,1608)	1:73:B:LEU:HG	1:74:B:LYS:H	8	0.46
(1,1493)	1:62:B:THR:HB	1:65:B:GLN:HB2	10	0.46
(1,1493)	1:62:B:THR:HB	1:65:B:GLN:HB3	10	0.46
(1,1215)	1:32:B:ILE:HA	1:36:B:ALA:H	1	0.46
(1,1178)	1:27:B:GLU:H	1:27:B:GLU:HG2	11	0.46
(1,1178)	1:27:B:GLU:H	1:27:B:GLU:HG3	11	0.46
(1,1094)	1:16:B:ILE:H	1:21:B:TYR:H	17	0.46
(1,1066)	1:14:B:VAL:HG11	1:33:B:ARG:H	13	0.46
(1,1066)	1:14:B:VAL:HG12	1:33:B:ARG:H	13	0.46
(1,1066)	1:14:B:VAL:HG13	1:33:B:ARG:H	13	0.46
(1,1066)	1:14:B:VAL:HG21	1:33:B:ARG:H	13	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1066)	1:14:B:VAL:HG22	1:33:B:ARG:H	13	0.46
(1,1066)	1:14:B:VAL:HG23	1:33:B:ARG:H	13	0.46
(1,1038)	1:12:B:VAL:HB	1:25:B:GLY:H	9	0.46
(1,1016)	1:11:B:ARG:H	1:24:B:VAL:HA	6	0.46
(1,1010)	1:10:B:THR:HG21	1:12:B:VAL:HA	5	0.46
(1,1010)	1:10:B:THR:HG22	1:12:B:VAL:HA	5	0.46
(1,1010)	1:10:B:THR:HG23	1:12:B:VAL:HA	5	0.46
(1,973)	1:84:A:LEU:HD11	1:85:A:LYS:H	1	0.46
(1,973)	1:84:A:LEU:HD12	1:85:A:LYS:H	1	0.46
(1,973)	1:84:A:LEU:HD13	1:85:A:LYS:H	1	0.46
(1,973)	1:84:A:LEU:HD21	1:85:A:LYS:H	1	0.46
(1,973)	1:84:A:LEU:HD22	1:85:A:LYS:H	1	0.46
(1,973)	1:84:A:LEU:HD23	1:85:A:LYS:H	1	0.46
(1,941)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	13	0.46
(1,941)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	13	0.46
(1,941)	1:81:A:ARG:HG3	1:77:B:TYR:HE1	13	0.46
(1,941)	1:81:A:ARG:HG3	1:77:B:TYR:HE2	13	0.46
(1,791)	1:73:A:LEU:HG	1:74:A:LYS:H	11	0.46
(1,765)	1:72:A:LYS:H	1:27:B:GLU:HB2	4	0.46
(1,765)	1:72:A:LYS:H	1:27:B:GLU:HB3	4	0.46
(1,747)	1:71:A:LEU:HA	1:74:A:LYS:HE2	15	0.46
(1,747)	1:71:A:LEU:HA	1:74:A:LYS:HE3	15	0.46
(1,747)	1:71:A:LEU:HA	1:74:A:LYS:HE2	17	0.46
(1,747)	1:71:A:LEU:HA	1:74:A:LYS:HE3	17	0.46
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG21	6	0.46
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG22	6	0.46
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG23	6	0.46
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD11	2	0.46
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD12	2	0.46
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD13	2	0.46
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD21	2	0.46
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD22	2	0.46
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD23	2	0.46
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD11	18	0.46
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD12	18	0.46
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD13	18	0.46
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD21	18	0.46
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD22	18	0.46
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD23	18	0.46
(1,258)	1:32:A:ILE:HA	1:36:A:ALA:H	12	0.46
(1,244)	1:31:A:HIS:HA	1:34:A:LEU:HB2	3	0.46
(1,244)	1:31:A:HIS:HA	1:34:A:LEU:HB3	3	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,207)	1:23:A:ILE:HG21	1:65:B:GLN:HA	13	0.46
(1,207)	1:23:A:ILE:HG22	1:65:B:GLN:HA	13	0.46
(1,207)	1:23:A:ILE:HG23	1:65:B:GLN:HA	13	0.46
(1,200)	1:23:A:ILE:HD11	1:65:B:GLN:HG2	16	0.46
(1,200)	1:23:A:ILE:HD11	1:65:B:GLN:HG3	16	0.46
(1,200)	1:23:A:ILE:HD12	1:65:B:GLN:HG2	16	0.46
(1,200)	1:23:A:ILE:HD12	1:65:B:GLN:HG3	16	0.46
(1,200)	1:23:A:ILE:HD13	1:65:B:GLN:HG2	16	0.46
(1,200)	1:23:A:ILE:HD13	1:65:B:GLN:HG3	16	0.46
(1,113)	1:16:A:ILE:H	1:21:A:TYR:H	1	0.46
(1,102)	1:15:A:ARG:HD2	1:19:A:GLN:H	20	0.46
(1,102)	1:15:A:ARG:HD3	1:19:A:GLN:H	20	0.46
(1,62)	1:12:A:VAL:HG11	1:32:A:ILE:H	15	0.46
(1,62)	1:12:A:VAL:HG12	1:32:A:ILE:H	15	0.46
(1,62)	1:12:A:VAL:HG13	1:32:A:ILE:H	15	0.46
(1,62)	1:12:A:VAL:HG21	1:32:A:ILE:H	15	0.46
(1,62)	1:12:A:VAL:HG22	1:32:A:ILE:H	15	0.46
(1,62)	1:12:A:VAL:HG23	1:32:A:ILE:H	15	0.46
(1,52)	1:12:A:VAL:H	1:24:A:VAL:HA	19	0.46
(1,30)	1:10:A:THR:HG21	1:12:A:VAL:HB	2	0.46
(1,30)	1:10:A:THR:HG22	1:12:A:VAL:HB	2	0.46
(1,30)	1:10:A:THR:HG23	1:12:A:VAL:HB	2	0.46
(1,1746)	1:82:B:GLU:HA	1:85:B:LYS:HB2	5	0.45
(1,1746)	1:82:B:GLU:HA	1:85:B:LYS:HB3	5	0.45
(1,1608)	1:73:B:LEU:HG	1:74:B:LYS:H	4	0.45
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD11	10	0.45
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD12	10	0.45
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD13	10	0.45
(1,1400)	1:51:B:PRO:HG2	1:52:B:MET:HG2	19	0.45
(1,1400)	1:51:B:PRO:HG2	1:52:B:MET:HG3	19	0.45
(1,1400)	1:51:B:PRO:HG3	1:52:B:MET:HG2	19	0.45
(1,1400)	1:51:B:PRO:HG3	1:52:B:MET:HG3	19	0.45
(1,1304)	1:42:B:LYS:H	1:62:B:THR:HG21	11	0.45
(1,1304)	1:42:B:LYS:H	1:62:B:THR:HG22	11	0.45
(1,1304)	1:42:B:LYS:H	1:62:B:THR:HG23	11	0.45
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG11	16	0.45
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG12	16	0.45
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG13	16	0.45
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG21	16	0.45
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG22	16	0.45
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG23	16	0.45
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG11	16	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG12	16	0.45
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG13	16	0.45
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG21	16	0.45
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG22	16	0.45
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG23	16	0.45
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG11	16	0.45
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG12	16	0.45
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG13	16	0.45
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG21	16	0.45
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG22	16	0.45
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG23	16	0.45
(1,1215)	1:32:B:ILE:HA	1:36:B:ALA:H	12	0.45
(1,1093)	1:16:B:ILE:H	1:20:B:ASP:HA	19	0.45
(1,1076)	1:15:B:ARG:HA	1:21:B:TYR:HD1	16	0.45
(1,1076)	1:15:B:ARG:HA	1:21:B:TYR:HD2	16	0.45
(1,1066)	1:14:B:VAL:HG11	1:33:B:ARG:H	11	0.45
(1,1066)	1:14:B:VAL:HG12	1:33:B:ARG:H	11	0.45
(1,1066)	1:14:B:VAL:HG13	1:33:B:ARG:H	11	0.45
(1,1066)	1:14:B:VAL:HG21	1:33:B:ARG:H	11	0.45
(1,1066)	1:14:B:VAL:HG22	1:33:B:ARG:H	11	0.45
(1,1066)	1:14:B:VAL:HG23	1:33:B:ARG:H	11	0.45
(1,1043)	1:12:B:VAL:HG11	1:32:B:ILE:H	5	0.45
(1,1043)	1:12:B:VAL:HG12	1:32:B:ILE:H	5	0.45
(1,1043)	1:12:B:VAL:HG13	1:32:B:ILE:H	5	0.45
(1,1043)	1:12:B:VAL:HG21	1:32:B:ILE:H	5	0.45
(1,1043)	1:12:B:VAL:HG22	1:32:B:ILE:H	5	0.45
(1,1043)	1:12:B:VAL:HG23	1:32:B:ILE:H	5	0.45
(1,1034)	1:12:B:VAL:H	1:25:B:GLY:H	17	0.45
(1,973)	1:84:A:LEU:HD11	1:85:A:LYS:H	12	0.45
(1,973)	1:84:A:LEU:HD12	1:85:A:LYS:H	12	0.45
(1,973)	1:84:A:LEU:HD13	1:85:A:LYS:H	12	0.45
(1,973)	1:84:A:LEU:HD21	1:85:A:LYS:H	12	0.45
(1,973)	1:84:A:LEU:HD22	1:85:A:LYS:H	12	0.45
(1,973)	1:84:A:LEU:HD23	1:85:A:LYS:H	12	0.45
(1,949)	1:82:A:GLU:HA	1:85:A:LYS:H	9	0.45
(1,941)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	17	0.45
(1,941)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	17	0.45
(1,941)	1:81:A:ARG:HG3	1:77:B:TYR:HE1	17	0.45
(1,941)	1:81:A:ARG:HG3	1:77:B:TYR:HE2	17	0.45
(1,941)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	20	0.45
(1,941)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	20	0.45
(1,941)	1:81:A:ARG:HG3	1:77:B:TYR:HE1	20	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,941)	1:81:A:ARG:HG3	1:77:B:TYR:HE2	20	0.45
(1,920)	1:80:A:LEU:HD11	1:81:A:ARG:HD2	7	0.45
(1,920)	1:80:A:LEU:HD11	1:81:A:ARG:HD3	7	0.45
(1,920)	1:80:A:LEU:HD12	1:81:A:ARG:HD2	7	0.45
(1,920)	1:80:A:LEU:HD12	1:81:A:ARG:HD3	7	0.45
(1,920)	1:80:A:LEU:HD13	1:81:A:ARG:HD2	7	0.45
(1,920)	1:80:A:LEU:HD13	1:81:A:ARG:HD3	7	0.45
(1,920)	1:80:A:LEU:HD21	1:81:A:ARG:HD2	7	0.45
(1,920)	1:80:A:LEU:HD21	1:81:A:ARG:HD3	7	0.45
(1,920)	1:80:A:LEU:HD22	1:81:A:ARG:HD2	7	0.45
(1,920)	1:80:A:LEU:HD22	1:81:A:ARG:HD3	7	0.45
(1,920)	1:80:A:LEU:HD23	1:81:A:ARG:HD2	7	0.45
(1,920)	1:80:A:LEU:HD23	1:81:A:ARG:HD3	7	0.45
(1,919)	1:80:A:LEU:HD11	1:81:A:ARG:HB2	9	0.45
(1,919)	1:80:A:LEU:HD11	1:81:A:ARG:HB3	9	0.45
(1,919)	1:80:A:LEU:HD12	1:81:A:ARG:HB2	9	0.45
(1,919)	1:80:A:LEU:HD12	1:81:A:ARG:HB3	9	0.45
(1,919)	1:80:A:LEU:HD13	1:81:A:ARG:HB2	9	0.45
(1,919)	1:80:A:LEU:HD13	1:81:A:ARG:HB3	9	0.45
(1,919)	1:80:A:LEU:HD21	1:81:A:ARG:HB2	9	0.45
(1,919)	1:80:A:LEU:HD21	1:81:A:ARG:HB3	9	0.45
(1,919)	1:80:A:LEU:HD22	1:81:A:ARG:HB2	9	0.45
(1,919)	1:80:A:LEU:HD22	1:81:A:ARG:HB3	9	0.45
(1,919)	1:80:A:LEU:HD23	1:81:A:ARG:HB2	9	0.45
(1,919)	1:80:A:LEU:HD23	1:81:A:ARG:HB3	9	0.45
(1,913)	1:80:A:LEU:HD11	1:81:A:ARG:HA	10	0.45
(1,913)	1:80:A:LEU:HD12	1:81:A:ARG:HA	10	0.45
(1,913)	1:80:A:LEU:HD13	1:81:A:ARG:HA	10	0.45
(1,804)	1:73:A:LEU:HD11	1:77:A:TYR:H	7	0.45
(1,804)	1:73:A:LEU:HD12	1:77:A:TYR:H	7	0.45
(1,804)	1:73:A:LEU:HD13	1:77:A:TYR:H	7	0.45
(1,804)	1:73:A:LEU:HD21	1:77:A:TYR:H	7	0.45
(1,804)	1:73:A:LEU:HD22	1:77:A:TYR:H	7	0.45
(1,804)	1:73:A:LEU:HD23	1:77:A:TYR:H	7	0.45
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD21	19	0.45
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD22	19	0.45
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD23	19	0.45
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD21	19	0.45
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD22	19	0.45
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD23	19	0.45
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD11	19	0.45
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD12	19	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD13	19	0.45
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD21	19	0.45
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD22	19	0.45
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD23	19	0.45
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD11	19	0.45
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD12	19	0.45
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD13	19	0.45
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD21	19	0.45
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD22	19	0.45
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD23	19	0.45
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD11	5	0.45
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD12	5	0.45
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD13	5	0.45
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD21	5	0.45
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD22	5	0.45
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD23	5	0.45
(1,608)	1:62:A:THR:HB	1:65:A:GLN:HB2	3	0.45
(1,608)	1:62:A:THR:HB	1:65:A:GLN:HB3	3	0.45
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD11	15	0.45
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD12	15	0.45
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD13	15	0.45
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD21	15	0.45
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD22	15	0.45
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD23	15	0.45
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD11	14	0.45
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD12	14	0.45
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD13	14	0.45
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD21	14	0.45
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD22	14	0.45
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD23	14	0.45
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB1	14	0.45
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB2	14	0.45
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB3	14	0.45
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB1	14	0.45
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB2	14	0.45
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB3	14	0.45
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB1	14	0.45
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB2	14	0.45
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB3	14	0.45
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB1	14	0.45
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB2	14	0.45
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB3	14	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB1	14	0.45
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB2	14	0.45
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB3	14	0.45
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB1	14	0.45
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB2	14	0.45
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB3	14	0.45
(1,288)	1:34:A:LEU:HD11	1:71:B:LEU:HD11	7	0.45
(1,288)	1:34:A:LEU:HD11	1:71:B:LEU:HD12	7	0.45
(1,288)	1:34:A:LEU:HD11	1:71:B:LEU:HD13	7	0.45
(1,288)	1:34:A:LEU:HD11	1:71:B:LEU:HD21	7	0.45
(1,288)	1:34:A:LEU:HD11	1:71:B:LEU:HD22	7	0.45
(1,288)	1:34:A:LEU:HD11	1:71:B:LEU:HD23	7	0.45
(1,288)	1:34:A:LEU:HD12	1:71:B:LEU:HD11	7	0.45
(1,288)	1:34:A:LEU:HD12	1:71:B:LEU:HD12	7	0.45
(1,288)	1:34:A:LEU:HD12	1:71:B:LEU:HD13	7	0.45
(1,288)	1:34:A:LEU:HD12	1:71:B:LEU:HD21	7	0.45
(1,288)	1:34:A:LEU:HD12	1:71:B:LEU:HD22	7	0.45
(1,288)	1:34:A:LEU:HD12	1:71:B:LEU:HD23	7	0.45
(1,288)	1:34:A:LEU:HD13	1:71:B:LEU:HD11	7	0.45
(1,288)	1:34:A:LEU:HD13	1:71:B:LEU:HD12	7	0.45
(1,288)	1:34:A:LEU:HD13	1:71:B:LEU:HD13	7	0.45
(1,288)	1:34:A:LEU:HD13	1:71:B:LEU:HD21	7	0.45
(1,288)	1:34:A:LEU:HD13	1:71:B:LEU:HD22	7	0.45
(1,288)	1:34:A:LEU:HD13	1:71:B:LEU:HD23	7	0.45
(1,288)	1:34:A:LEU:HD21	1:71:B:LEU:HD11	7	0.45
(1,288)	1:34:A:LEU:HD21	1:71:B:LEU:HD12	7	0.45
(1,288)	1:34:A:LEU:HD21	1:71:B:LEU:HD13	7	0.45
(1,288)	1:34:A:LEU:HD21	1:71:B:LEU:HD21	7	0.45
(1,288)	1:34:A:LEU:HD21	1:71:B:LEU:HD22	7	0.45
(1,288)	1:34:A:LEU:HD21	1:71:B:LEU:HD23	7	0.45
(1,288)	1:34:A:LEU:HD22	1:71:B:LEU:HD11	7	0.45
(1,288)	1:34:A:LEU:HD22	1:71:B:LEU:HD12	7	0.45
(1,288)	1:34:A:LEU:HD22	1:71:B:LEU:HD13	7	0.45
(1,288)	1:34:A:LEU:HD22	1:71:B:LEU:HD21	7	0.45
(1,288)	1:34:A:LEU:HD22	1:71:B:LEU:HD22	7	0.45
(1,288)	1:34:A:LEU:HD22	1:71:B:LEU:HD23	7	0.45
(1,288)	1:34:A:LEU:HD23	1:71:B:LEU:HD11	7	0.45
(1,288)	1:34:A:LEU:HD23	1:71:B:LEU:HD12	7	0.45
(1,288)	1:34:A:LEU:HD23	1:71:B:LEU:HD13	7	0.45
(1,288)	1:34:A:LEU:HD23	1:71:B:LEU:HD21	7	0.45
(1,288)	1:34:A:LEU:HD23	1:71:B:LEU:HD22	7	0.45
(1,288)	1:34:A:LEU:HD23	1:71:B:LEU:HD23	7	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,224)	1:27:A:GLU:HB2	1:72:B:LYS:H	3	0.45
(1,224)	1:27:A:GLU:HB3	1:72:B:LYS:H	3	0.45
(1,224)	1:27:A:GLU:HB2	1:72:B:LYS:H	8	0.45
(1,224)	1:27:A:GLU:HB3	1:72:B:LYS:H	8	0.45
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD11	10	0.45
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD12	10	0.45
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD13	10	0.45
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD21	10	0.45
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD22	10	0.45
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD23	10	0.45
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD11	10	0.45
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD12	10	0.45
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD13	10	0.45
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD21	10	0.45
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD22	10	0.45
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD23	10	0.45
(1,142)	1:17:A:TYR:HB2	1:43:A:MET:HB2	13	0.45
(1,142)	1:17:A:TYR:HB2	1:43:A:MET:HB3	13	0.45
(1,142)	1:17:A:TYR:HB3	1:43:A:MET:HB2	13	0.45
(1,142)	1:17:A:TYR:HB3	1:43:A:MET:HB3	13	0.45
(1,112)	1:16:A:ILE:H	1:20:A:ASP:HA	18	0.45
(1,112)	1:16:A:ILE:H	1:20:A:ASP:HA	19	0.45
(1,61)	1:12:A:VAL:HG11	1:29:A:PRO:HA	8	0.45
(1,61)	1:12:A:VAL:HG12	1:29:A:PRO:HA	8	0.45
(1,61)	1:12:A:VAL:HG13	1:29:A:PRO:HA	8	0.45
(1,61)	1:12:A:VAL:HG21	1:29:A:PRO:HA	8	0.45
(1,61)	1:12:A:VAL:HG22	1:29:A:PRO:HA	8	0.45
(1,61)	1:12:A:VAL:HG23	1:29:A:PRO:HA	8	0.45
(1,42)	1:11:A:ARG:HA	1:25:A:GLY:H	12	0.45
(1,10)	1:9:A:LYS:HA	1:26:A:ALA:HB1	13	0.45
(1,10)	1:9:A:LYS:HA	1:26:A:ALA:HB2	13	0.45
(1,10)	1:9:A:LYS:HA	1:26:A:ALA:HB3	13	0.45
(1,1769)	1:84:B:LEU:HD11	1:85:B:LYS:H	9	0.44
(1,1769)	1:84:B:LEU:HD12	1:85:B:LYS:H	9	0.44
(1,1769)	1:84:B:LEU:HD13	1:85:B:LYS:H	9	0.44
(1,1769)	1:84:B:LEU:HD21	1:85:B:LYS:H	9	0.44
(1,1769)	1:84:B:LEU:HD22	1:85:B:LYS:H	9	0.44
(1,1769)	1:84:B:LEU:HD23	1:85:B:LYS:H	9	0.44
(1,1746)	1:82:B:GLU:HA	1:85:B:LYS:HB2	9	0.44
(1,1746)	1:82:B:GLU:HA	1:85:B:LYS:HB3	9	0.44
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD11	17	0.44
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD12	17	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD13	17	0.44
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD21	17	0.44
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD22	17	0.44
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD23	17	0.44
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD11	17	0.44
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD12	17	0.44
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD13	17	0.44
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD21	17	0.44
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD22	17	0.44
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD23	17	0.44
(1,1566)	1:70:B:TYR:HD1	1:73:B:LEU:HD11	20	0.44
(1,1566)	1:70:B:TYR:HD1	1:73:B:LEU:HD12	20	0.44
(1,1566)	1:70:B:TYR:HD1	1:73:B:LEU:HD13	20	0.44
(1,1566)	1:70:B:TYR:HD1	1:73:B:LEU:HD21	20	0.44
(1,1566)	1:70:B:TYR:HD1	1:73:B:LEU:HD22	20	0.44
(1,1566)	1:70:B:TYR:HD1	1:73:B:LEU:HD23	20	0.44
(1,1566)	1:70:B:TYR:HD2	1:73:B:LEU:HD11	20	0.44
(1,1566)	1:70:B:TYR:HD2	1:73:B:LEU:HD12	20	0.44
(1,1566)	1:70:B:TYR:HD2	1:73:B:LEU:HD13	20	0.44
(1,1566)	1:70:B:TYR:HD2	1:73:B:LEU:HD21	20	0.44
(1,1566)	1:70:B:TYR:HD2	1:73:B:LEU:HD22	20	0.44
(1,1566)	1:70:B:TYR:HD2	1:73:B:LEU:HD23	20	0.44
(1,1493)	1:62:B:THR:HB	1:65:B:GLN:HB2	9	0.44
(1,1493)	1:62:B:THR:HB	1:65:B:GLN:HB3	9	0.44
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG11	11	0.44
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG12	11	0.44
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG13	11	0.44
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG21	11	0.44
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG22	11	0.44
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG23	11	0.44
(1,1357)	1:46:B:PHE:HD1	1:62:B:THR:H	5	0.44
(1,1357)	1:46:B:PHE:HD2	1:62:B:THR:H	5	0.44
(1,1319)	1:43:B:MET:H	1:62:B:THR:HB	4	0.44
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG11	2	0.44
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG12	2	0.44
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG13	2	0.44
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG21	2	0.44
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG22	2	0.44
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG23	2	0.44
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG11	2	0.44
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG12	2	0.44
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG13	2	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG21	2	0.44
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG22	2	0.44
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG23	2	0.44
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG11	2	0.44
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG12	2	0.44
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG13	2	0.44
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG21	2	0.44
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG22	2	0.44
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG23	2	0.44
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB1	5	0.44
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB2	5	0.44
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB3	5	0.44
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB1	5	0.44
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB2	5	0.44
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB3	5	0.44
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB1	5	0.44
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB2	5	0.44
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB3	5	0.44
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB1	5	0.44
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB2	5	0.44
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB3	5	0.44
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB1	5	0.44
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB2	5	0.44
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB3	5	0.44
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB1	5	0.44
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB2	5	0.44
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB3	5	0.44
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB1	12	0.44
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB2	12	0.44
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB3	12	0.44
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB1	12	0.44
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB2	12	0.44
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB3	12	0.44
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB1	12	0.44
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB2	12	0.44
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB3	12	0.44
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB1	12	0.44
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB2	12	0.44
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB3	12	0.44
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB1	12	0.44
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB2	12	0.44
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB3	12	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB1	12	0.44
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB2	12	0.44
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB3	12	0.44
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB1	18	0.44
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB2	18	0.44
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB3	18	0.44
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB1	18	0.44
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB2	18	0.44
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB3	18	0.44
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB1	18	0.44
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB2	18	0.44
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB3	18	0.44
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB1	18	0.44
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB2	18	0.44
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB3	18	0.44
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB1	18	0.44
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB2	18	0.44
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB3	18	0.44
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB1	18	0.44
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB2	18	0.44
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB3	18	0.44
(1,1094)	1:16:B:ILE:H	1:21:B:TYR:H	8	0.44
(1,1080)	1:15:B:ARG:HG3	1:19:B:GLN:H	17	0.44
(1,1066)	1:14:B:VAL:HG11	1:33:B:ARG:H	12	0.44
(1,1066)	1:14:B:VAL:HG12	1:33:B:ARG:H	12	0.44
(1,1066)	1:14:B:VAL:HG13	1:33:B:ARG:H	12	0.44
(1,1066)	1:14:B:VAL:HG21	1:33:B:ARG:H	12	0.44
(1,1066)	1:14:B:VAL:HG22	1:33:B:ARG:H	12	0.44
(1,1066)	1:14:B:VAL:HG23	1:33:B:ARG:H	12	0.44
(1,1034)	1:12:B:VAL:H	1:25:B:GLY:H	2	0.44
(1,1016)	1:11:B:ARG:H	1:24:B:VAL:HA	2	0.44
(1,1011)	1:10:B:THR:HG21	1:12:B:VAL:HB	13	0.44
(1,1011)	1:10:B:THR:HG22	1:12:B:VAL:HB	13	0.44
(1,1011)	1:10:B:THR:HG23	1:12:B:VAL:HB	13	0.44
(1,1010)	1:10:B:THR:HG21	1:12:B:VAL:HA	13	0.44
(1,1010)	1:10:B:THR:HG22	1:12:B:VAL:HA	13	0.44
(1,1010)	1:10:B:THR:HG23	1:12:B:VAL:HA	13	0.44
(1,1003)	1:10:B:THR:H	1:25:B:GLY:H	13	0.44
(1,973)	1:84:A:LEU:HD11	1:85:A:LYS:H	8	0.44
(1,973)	1:84:A:LEU:HD12	1:85:A:LYS:H	8	0.44
(1,973)	1:84:A:LEU:HD13	1:85:A:LYS:H	8	0.44
(1,973)	1:84:A:LEU:HD21	1:85:A:LYS:H	8	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,973)	1:84:A:LEU:HD22	1:85:A:LYS:H	8	0.44
(1,973)	1:84:A:LEU:HD23	1:85:A:LYS:H	8	0.44
(1,941)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	2	0.44
(1,941)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	2	0.44
(1,941)	1:81:A:ARG:HG3	1:77:B:TYR:HE1	2	0.44
(1,941)	1:81:A:ARG:HG3	1:77:B:TYR:HE2	2	0.44
(1,941)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	12	0.44
(1,941)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	12	0.44
(1,941)	1:81:A:ARG:HG3	1:77:B:TYR:HE1	12	0.44
(1,941)	1:81:A:ARG:HG3	1:77:B:TYR:HE2	12	0.44
(1,941)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	16	0.44
(1,941)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	16	0.44
(1,941)	1:81:A:ARG:HG3	1:77:B:TYR:HE1	16	0.44
(1,941)	1:81:A:ARG:HG3	1:77:B:TYR:HE2	16	0.44
(1,798)	1:73:A:LEU:HD11	1:74:A:LYS:H	14	0.44
(1,798)	1:73:A:LEU:HD12	1:74:A:LYS:H	14	0.44
(1,798)	1:73:A:LEU:HD13	1:74:A:LYS:H	14	0.44
(1,798)	1:73:A:LEU:HD21	1:74:A:LYS:H	14	0.44
(1,798)	1:73:A:LEU:HD22	1:74:A:LYS:H	14	0.44
(1,798)	1:73:A:LEU:HD23	1:74:A:LYS:H	14	0.44
(1,734)	1:70:A:TYR:HE1	1:71:B:LEU:H	15	0.44
(1,734)	1:70:A:TYR:HE2	1:71:B:LEU:H	15	0.44
(1,686)	1:67:A:ALA:HA	1:70:B:TYR:HD1	13	0.44
(1,686)	1:67:A:ALA:HA	1:70:B:TYR:HD2	13	0.44
(1,686)	1:67:A:ALA:HA	1:70:B:TYR:HD1	15	0.44
(1,686)	1:67:A:ALA:HA	1:70:B:TYR:HD2	15	0.44
(1,675)	1:66:A:ILE:HG21	1:63:B:ALA:HA	12	0.44
(1,675)	1:66:A:ILE:HG22	1:63:B:ALA:HA	12	0.44
(1,675)	1:66:A:ILE:HG23	1:63:B:ALA:HA	12	0.44
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG21	1	0.44
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG22	1	0.44
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG23	1	0.44
(1,632)	1:64:A:VAL:HB	1:36:B:ALA:HA	18	0.44
(1,618)	1:63:A:ALA:HB1	1:62:B:THR:H	3	0.44
(1,618)	1:63:A:ALA:HB2	1:62:B:THR:H	3	0.44
(1,618)	1:63:A:ALA:HB3	1:62:B:THR:H	3	0.44
(1,482)	1:52:A:MET:HG2	1:21:B:TYR:HD1	5	0.44
(1,482)	1:52:A:MET:HG2	1:21:B:TYR:HD2	5	0.44
(1,482)	1:52:A:MET:HG3	1:21:B:TYR:HD1	5	0.44
(1,482)	1:52:A:MET:HG3	1:21:B:TYR:HD2	5	0.44
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD11	12	0.44
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD12	12	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD13	12	0.44
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD21	12	0.44
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD22	12	0.44
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD23	12	0.44
(1,437)	1:47:A:SER:H	1:58:A:LEU:HG	20	0.44
(1,432)	1:46:A:PHE:HD1	1:62:A:THR:H	18	0.44
(1,432)	1:46:A:PHE:HD2	1:62:A:THR:H	18	0.44
(1,258)	1:32:A:ILE:HA	1:36:A:ALA:H	13	0.44
(1,244)	1:31:A:HIS:HA	1:34:A:LEU:HB2	2	0.44
(1,244)	1:31:A:HIS:HA	1:34:A:LEU:HB3	2	0.44
(1,244)	1:31:A:HIS:HA	1:34:A:LEU:HB2	6	0.44
(1,244)	1:31:A:HIS:HA	1:34:A:LEU:HB3	6	0.44
(1,220)	1:27:A:GLU:H	1:27:A:GLU:HG2	14	0.44
(1,220)	1:27:A:GLU:H	1:27:A:GLU:HG3	14	0.44
(1,207)	1:23:A:ILE:HG21	1:65:B:GLN:HA	10	0.44
(1,207)	1:23:A:ILE:HG22	1:65:B:GLN:HA	10	0.44
(1,207)	1:23:A:ILE:HG23	1:65:B:GLN:HA	10	0.44
(1,200)	1:23:A:ILE:HD11	1:65:B:GLN:HG2	10	0.44
(1,200)	1:23:A:ILE:HD11	1:65:B:GLN:HG3	10	0.44
(1,200)	1:23:A:ILE:HD12	1:65:B:GLN:HG2	10	0.44
(1,200)	1:23:A:ILE:HD12	1:65:B:GLN:HG3	10	0.44
(1,200)	1:23:A:ILE:HD13	1:65:B:GLN:HG2	10	0.44
(1,200)	1:23:A:ILE:HD13	1:65:B:GLN:HG3	10	0.44
(1,178)	1:21:A:TYR:HD1	1:61:B:LEU:HD21	8	0.44
(1,178)	1:21:A:TYR:HD1	1:61:B:LEU:HD22	8	0.44
(1,178)	1:21:A:TYR:HD1	1:61:B:LEU:HD23	8	0.44
(1,178)	1:21:A:TYR:HD2	1:61:B:LEU:HD21	8	0.44
(1,178)	1:21:A:TYR:HD2	1:61:B:LEU:HD22	8	0.44
(1,178)	1:21:A:TYR:HD2	1:61:B:LEU:HD23	8	0.44
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD11	1	0.44
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD12	1	0.44
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD13	1	0.44
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD11	1	0.44
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD12	1	0.44
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD13	1	0.44
(1,172)	1:21:A:TYR:HB2	1:23:A:ILE:HD11	20	0.44
(1,172)	1:21:A:TYR:HB2	1:23:A:ILE:HD12	20	0.44
(1,172)	1:21:A:TYR:HB2	1:23:A:ILE:HD13	20	0.44
(1,172)	1:21:A:TYR:HB3	1:23:A:ILE:HD11	20	0.44
(1,172)	1:21:A:TYR:HB3	1:23:A:ILE:HD12	20	0.44
(1,172)	1:21:A:TYR:HB3	1:23:A:ILE:HD13	20	0.44
(1,62)	1:12:A:VAL:HG11	1:32:A:ILE:H	2	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,62)	1:12:A:VAL:HG12	1:32:A:ILE:H	2	0.44
(1,62)	1:12:A:VAL:HG13	1:32:A:ILE:H	2	0.44
(1,62)	1:12:A:VAL:HG21	1:32:A:ILE:H	2	0.44
(1,62)	1:12:A:VAL:HG22	1:32:A:ILE:H	2	0.44
(1,62)	1:12:A:VAL:HG23	1:32:A:ILE:H	2	0.44
(1,52)	1:12:A:VAL:H	1:24:A:VAL:HA	5	0.44
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG11	14	0.44
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG12	14	0.44
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG13	14	0.44
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG21	14	0.44
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG22	14	0.44
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG23	14	0.44
(1,23)	1:10:A:THR:H	1:26:A:ALA:HA	8	0.44
(1,22)	1:10:A:THR:H	1:25:A:GLY:H	2	0.44
(1,1770)	1:84:B:LEU:HD11	1:85:B:LYS:HA	20	0.43
(1,1770)	1:84:B:LEU:HD12	1:85:B:LYS:HA	20	0.43
(1,1770)	1:84:B:LEU:HD13	1:85:B:LYS:HA	20	0.43
(1,1770)	1:84:B:LEU:HD21	1:85:B:LYS:HA	20	0.43
(1,1770)	1:84:B:LEU:HD22	1:85:B:LYS:HA	20	0.43
(1,1770)	1:84:B:LEU:HD23	1:85:B:LYS:HA	20	0.43
(1,1746)	1:82:B:GLU:HA	1:85:B:LYS:HB2	16	0.43
(1,1746)	1:82:B:GLU:HA	1:85:B:LYS:HB3	16	0.43
(1,1673)	1:77:B:TYR:HA	1:80:B:LEU:H	3	0.43
(1,1612)	1:73:B:LEU:HD21	1:74:B:LYS:HA	8	0.43
(1,1612)	1:73:B:LEU:HD22	1:74:B:LYS:HA	8	0.43
(1,1612)	1:73:B:LEU:HD23	1:74:B:LYS:HA	8	0.43
(1,1612)	1:73:B:LEU:HD21	1:74:B:LYS:HA	10	0.43
(1,1612)	1:73:B:LEU:HD22	1:74:B:LYS:HA	10	0.43
(1,1612)	1:73:B:LEU:HD23	1:74:B:LYS:HA	10	0.43
(1,1531)	1:66:B:ILE:HG21	1:70:B:TYR:HD1	20	0.43
(1,1531)	1:66:B:ILE:HG21	1:70:B:TYR:HD2	20	0.43
(1,1531)	1:66:B:ILE:HG22	1:70:B:TYR:HD1	20	0.43
(1,1531)	1:66:B:ILE:HG22	1:70:B:TYR:HD2	20	0.43
(1,1531)	1:66:B:ILE:HG23	1:70:B:TYR:HD1	20	0.43
(1,1531)	1:66:B:ILE:HG23	1:70:B:TYR:HD2	20	0.43
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD11	2	0.43
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD12	2	0.43
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD13	2	0.43
(1,1362)	1:47:B:SER:H	1:58:B:LEU:HG	10	0.43
(1,1358)	1:46:B:PHE:HD1	1:62:B:THR:HB	7	0.43
(1,1358)	1:46:B:PHE:HD2	1:62:B:THR:HB	7	0.43
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD11	6	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD12	6	0.43
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD13	6	0.43
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD21	6	0.43
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD22	6	0.43
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD23	6	0.43
(1,1219)	1:32:B:ILE:HG12	1:33:B:ARG:HB2	14	0.43
(1,1219)	1:32:B:ILE:HG12	1:33:B:ARG:HB3	14	0.43
(1,1219)	1:32:B:ILE:HG13	1:33:B:ARG:HB2	14	0.43
(1,1219)	1:32:B:ILE:HG13	1:33:B:ARG:HB3	14	0.43
(1,1215)	1:32:B:ILE:HA	1:36:B:ALA:H	8	0.43
(1,1201)	1:31:B:HIS:HA	1:34:B:LEU:HB2	1	0.43
(1,1201)	1:31:B:HIS:HA	1:34:B:LEU:HB3	1	0.43
(1,1093)	1:16:B:ILE:H	1:20:B:ASP:HA	20	0.43
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB1	16	0.43
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB2	16	0.43
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB3	16	0.43
(1,1038)	1:12:B:VAL:HB	1:25:B:GLY:H	4	0.43
(1,1033)	1:12:B:VAL:H	1:24:B:VAL:HA	13	0.43
(1,1021)	1:11:B:ARG:HA	1:24:B:VAL:HA	5	0.43
(1,1003)	1:10:B:THR:H	1:25:B:GLY:H	15	0.43
(1,941)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	9	0.43
(1,941)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	9	0.43
(1,941)	1:81:A:ARG:HG3	1:77:B:TYR:HE1	9	0.43
(1,941)	1:81:A:ARG:HG3	1:77:B:TYR:HE2	9	0.43
(1,938)	1:81:A:ARG:HG3	1:77:B:TYR:HE1	7	0.43
(1,938)	1:81:A:ARG:HG3	1:77:B:TYR:HE2	7	0.43
(1,922)	1:80:A:LEU:HD11	1:82:A:GLU:H	18	0.43
(1,922)	1:80:A:LEU:HD12	1:82:A:GLU:H	18	0.43
(1,922)	1:80:A:LEU:HD13	1:82:A:GLU:H	18	0.43
(1,922)	1:80:A:LEU:HD21	1:82:A:GLU:H	18	0.43
(1,922)	1:80:A:LEU:HD22	1:82:A:GLU:H	18	0.43
(1,922)	1:80:A:LEU:HD23	1:82:A:GLU:H	18	0.43
(1,886)	1:78:A:GLN:HA	1:81:A:ARG:H	7	0.43
(1,843)	1:75:A:GLU:HG2	1:27:B:GLU:HG2	3	0.43
(1,843)	1:75:A:GLU:HG2	1:27:B:GLU:HG3	3	0.43
(1,843)	1:75:A:GLU:HG3	1:27:B:GLU:HG2	3	0.43
(1,843)	1:75:A:GLU:HG3	1:27:B:GLU:HG3	3	0.43
(1,799)	1:73:A:LEU:HD11	1:74:A:LYS:HA	7	0.43
(1,799)	1:73:A:LEU:HD12	1:74:A:LYS:HA	7	0.43
(1,799)	1:73:A:LEU:HD13	1:74:A:LYS:HA	7	0.43
(1,799)	1:73:A:LEU:HD21	1:74:A:LYS:HA	7	0.43
(1,799)	1:73:A:LEU:HD22	1:74:A:LYS:HA	7	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,799)	1:73:A:LEU:HD23	1:74:A:LYS:HA	7	0.43
(1,799)	1:73:A:LEU:HD11	1:74:A:LYS:HA	12	0.43
(1,799)	1:73:A:LEU:HD12	1:74:A:LYS:HA	12	0.43
(1,799)	1:73:A:LEU:HD13	1:74:A:LYS:HA	12	0.43
(1,799)	1:73:A:LEU:HD21	1:74:A:LYS:HA	12	0.43
(1,799)	1:73:A:LEU:HD22	1:74:A:LYS:HA	12	0.43
(1,799)	1:73:A:LEU:HD23	1:74:A:LYS:HA	12	0.43
(1,765)	1:72:A:LYS:H	1:27:B:GLU:HB2	20	0.43
(1,765)	1:72:A:LYS:H	1:27:B:GLU:HB3	20	0.43
(1,747)	1:71:A:LEU:HA	1:74:A:LYS:HE2	19	0.43
(1,747)	1:71:A:LEU:HA	1:74:A:LYS:HE3	19	0.43
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD21	16	0.43
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD22	16	0.43
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD23	16	0.43
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD21	16	0.43
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD22	16	0.43
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD23	16	0.43
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD11	16	0.43
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD12	16	0.43
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD13	16	0.43
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD21	16	0.43
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD22	16	0.43
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD23	16	0.43
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD11	16	0.43
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD12	16	0.43
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD13	16	0.43
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD21	16	0.43
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD22	16	0.43
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD23	16	0.43
(1,675)	1:66:A:ILE:HG21	1:63:B:ALA:HA	4	0.43
(1,675)	1:66:A:ILE:HG22	1:63:B:ALA:HA	4	0.43
(1,675)	1:66:A:ILE:HG23	1:63:B:ALA:HA	4	0.43
(1,665)	1:65:A:GLN:HG2	1:23:B:ILE:HD11	8	0.43
(1,665)	1:65:A:GLN:HG2	1:23:B:ILE:HD12	8	0.43
(1,665)	1:65:A:GLN:HG2	1:23:B:ILE:HD13	8	0.43
(1,665)	1:65:A:GLN:HG3	1:23:B:ILE:HD11	8	0.43
(1,665)	1:65:A:GLN:HG3	1:23:B:ILE:HD12	8	0.43
(1,665)	1:65:A:GLN:HG3	1:23:B:ILE:HD13	8	0.43
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD11	18	0.43
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD12	18	0.43
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD13	18	0.43
(1,599)	1:62:A:THR:H	1:63:B:ALA:HB1	17	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,599)	1:62:A:THR:H	1:63:B:ALA:HB2	17	0.43
(1,599)	1:62:A:THR:H	1:63:B:ALA:HB3	17	0.43
(1,537)	1:59:A:ALA:H	1:56:B:PRO:HA	6	0.43
(1,524)	1:57:A:LYS:HD2	1:19:B:GLN:HB3	12	0.43
(1,524)	1:57:A:LYS:HD3	1:19:B:GLN:HB3	12	0.43
(1,504)	1:56:A:PRO:HG2	1:56:B:PRO:HA	12	0.43
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG21	17	0.43
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG22	17	0.43
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG23	17	0.43
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB1	6	0.43
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB2	6	0.43
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB3	6	0.43
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB1	6	0.43
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB2	6	0.43
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB3	6	0.43
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB1	6	0.43
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB2	6	0.43
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB3	6	0.43
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB1	6	0.43
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB2	6	0.43
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB3	6	0.43
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB1	6	0.43
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB2	6	0.43
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB3	6	0.43
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB1	6	0.43
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB2	6	0.43
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB3	6	0.43
(1,224)	1:27:A:GLU:HB2	1:72:B:LYS:H	5	0.43
(1,224)	1:27:A:GLU:HB3	1:72:B:LYS:H	5	0.43
(1,220)	1:27:A:GLU:H	1:27:A:GLU:HG2	8	0.43
(1,220)	1:27:A:GLU:H	1:27:A:GLU:HG3	8	0.43
(1,208)	1:23:A:ILE:HG21	1:65:B:GLN:HB2	3	0.43
(1,208)	1:23:A:ILE:HG21	1:65:B:GLN:HB3	3	0.43
(1,208)	1:23:A:ILE:HG22	1:65:B:GLN:HB2	3	0.43
(1,208)	1:23:A:ILE:HG22	1:65:B:GLN:HB3	3	0.43
(1,208)	1:23:A:ILE:HG23	1:65:B:GLN:HB2	3	0.43
(1,208)	1:23:A:ILE:HG23	1:65:B:GLN:HB3	3	0.43
(1,111)	1:16:A:ILE:H	1:19:A:GLN:H	14	0.43
(1,52)	1:12:A:VAL:H	1:24:A:VAL:HA	13	0.43
(1,35)	1:11:A:ARG:H	1:24:A:VAL:HA	13	0.43
(1,23)	1:10:A:THR:H	1:26:A:ALA:HA	14	0.43
(1,22)	1:10:A:THR:H	1:25:A:GLY:H	3	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1694)	1:79:B:ARG:H	1:79:B:ARG:HD2	10	0.42
(1,1694)	1:79:B:ARG:H	1:79:B:ARG:HD3	10	0.42
(1,1493)	1:62:B:THR:HB	1:65:B:GLN:HB2	16	0.42
(1,1493)	1:62:B:THR:HB	1:65:B:GLN:HB3	16	0.42
(1,1473)	1:61:B:LEU:HA	1:64:B:VAL:HB	13	0.42
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB1	9	0.42
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB2	9	0.42
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB3	9	0.42
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB1	9	0.42
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB2	9	0.42
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB3	9	0.42
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB1	9	0.42
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB2	9	0.42
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB3	9	0.42
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB1	9	0.42
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB2	9	0.42
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB3	9	0.42
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB1	9	0.42
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB2	9	0.42
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB3	9	0.42
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB1	9	0.42
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB2	9	0.42
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB3	9	0.42
(1,1201)	1:31:B:HIS:HA	1:34:B:LEU:HB2	5	0.42
(1,1201)	1:31:B:HIS:HA	1:34:B:LEU:HB3	5	0.42
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD11	15	0.42
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD12	15	0.42
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD13	15	0.42
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD11	15	0.42
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD12	15	0.42
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD13	15	0.42
(1,1146)	1:21:B:TYR:HB2	1:23:B:ILE:HD11	18	0.42
(1,1146)	1:21:B:TYR:HB2	1:23:B:ILE:HD12	18	0.42
(1,1146)	1:21:B:TYR:HB2	1:23:B:ILE:HD13	18	0.42
(1,1146)	1:21:B:TYR:HB3	1:23:B:ILE:HD11	18	0.42
(1,1146)	1:21:B:TYR:HB3	1:23:B:ILE:HD12	18	0.42
(1,1146)	1:21:B:TYR:HB3	1:23:B:ILE:HD13	18	0.42
(1,1138)	1:20:B:ASP:H	1:21:B:TYR:HE1	18	0.42
(1,1138)	1:20:B:ASP:H	1:21:B:TYR:HE2	18	0.42
(1,1075)	1:15:B:ARG:HA	1:21:B:TYR:H	1	0.42
(1,1043)	1:12:B:VAL:HG11	1:32:B:ILE:H	1	0.42
(1,1043)	1:12:B:VAL:HG12	1:32:B:ILE:H	1	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1043)	1:12:B:VAL:HG13	1:32:B:ILE:H	1	0.42
(1,1043)	1:12:B:VAL:HG21	1:32:B:ILE:H	1	0.42
(1,1043)	1:12:B:VAL:HG22	1:32:B:ILE:H	1	0.42
(1,1043)	1:12:B:VAL:HG23	1:32:B:ILE:H	1	0.42
(1,1043)	1:12:B:VAL:HG11	1:32:B:ILE:H	14	0.42
(1,1043)	1:12:B:VAL:HG12	1:32:B:ILE:H	14	0.42
(1,1043)	1:12:B:VAL:HG13	1:32:B:ILE:H	14	0.42
(1,1043)	1:12:B:VAL:HG21	1:32:B:ILE:H	14	0.42
(1,1043)	1:12:B:VAL:HG22	1:32:B:ILE:H	14	0.42
(1,1043)	1:12:B:VAL:HG23	1:32:B:ILE:H	14	0.42
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG11	5	0.42
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG12	5	0.42
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG13	5	0.42
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG21	5	0.42
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG22	5	0.42
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG23	5	0.42
(1,1003)	1:10:B:THR:H	1:25:B:GLY:H	19	0.42
(1,974)	1:84:A:LEU:HD11	1:85:A:LYS:HA	5	0.42
(1,974)	1:84:A:LEU:HD12	1:85:A:LYS:HA	5	0.42
(1,974)	1:84:A:LEU:HD13	1:85:A:LYS:HA	5	0.42
(1,974)	1:84:A:LEU:HD21	1:85:A:LYS:HA	5	0.42
(1,974)	1:84:A:LEU:HD22	1:85:A:LYS:HA	5	0.42
(1,974)	1:84:A:LEU:HD23	1:85:A:LYS:HA	5	0.42
(1,954)	1:82:A:GLU:HB2	1:85:A:LYS:HD2	15	0.42
(1,954)	1:82:A:GLU:HB2	1:85:A:LYS:HD3	15	0.42
(1,954)	1:82:A:GLU:HB3	1:85:A:LYS:HD2	15	0.42
(1,954)	1:82:A:GLU:HB3	1:85:A:LYS:HD3	15	0.42
(1,922)	1:80:A:LEU:HD11	1:82:A:GLU:H	13	0.42
(1,922)	1:80:A:LEU:HD12	1:82:A:GLU:H	13	0.42
(1,922)	1:80:A:LEU:HD13	1:82:A:GLU:H	13	0.42
(1,922)	1:80:A:LEU:HD21	1:82:A:GLU:H	13	0.42
(1,922)	1:80:A:LEU:HD22	1:82:A:GLU:H	13	0.42
(1,922)	1:80:A:LEU:HD23	1:82:A:GLU:H	13	0.42
(1,919)	1:80:A:LEU:HD11	1:81:A:ARG:HB2	2	0.42
(1,919)	1:80:A:LEU:HD11	1:81:A:ARG:HB3	2	0.42
(1,919)	1:80:A:LEU:HD12	1:81:A:ARG:HB2	2	0.42
(1,919)	1:80:A:LEU:HD12	1:81:A:ARG:HB3	2	0.42
(1,919)	1:80:A:LEU:HD13	1:81:A:ARG:HB2	2	0.42
(1,919)	1:80:A:LEU:HD13	1:81:A:ARG:HB3	2	0.42
(1,919)	1:80:A:LEU:HD21	1:81:A:ARG:HB2	2	0.42
(1,919)	1:80:A:LEU:HD21	1:81:A:ARG:HB3	2	0.42
(1,919)	1:80:A:LEU:HD22	1:81:A:ARG:HB2	2	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,919)	1:80:A:LEU:HD22	1:81:A:ARG:HB3	2	0.42
(1,919)	1:80:A:LEU:HD23	1:81:A:ARG:HB2	2	0.42
(1,919)	1:80:A:LEU:HD23	1:81:A:ARG:HB3	2	0.42
(1,759)	1:71:A:LEU:HD11	1:38:B:PHE:HD1	17	0.42
(1,759)	1:71:A:LEU:HD11	1:38:B:PHE:HD2	17	0.42
(1,759)	1:71:A:LEU:HD12	1:38:B:PHE:HD1	17	0.42
(1,759)	1:71:A:LEU:HD12	1:38:B:PHE:HD2	17	0.42
(1,759)	1:71:A:LEU:HD13	1:38:B:PHE:HD1	17	0.42
(1,759)	1:71:A:LEU:HD13	1:38:B:PHE:HD2	17	0.42
(1,759)	1:71:A:LEU:HD21	1:38:B:PHE:HD1	17	0.42
(1,759)	1:71:A:LEU:HD21	1:38:B:PHE:HD2	17	0.42
(1,759)	1:71:A:LEU:HD22	1:38:B:PHE:HD1	17	0.42
(1,759)	1:71:A:LEU:HD22	1:38:B:PHE:HD2	17	0.42
(1,759)	1:71:A:LEU:HD23	1:38:B:PHE:HD1	17	0.42
(1,759)	1:71:A:LEU:HD23	1:38:B:PHE:HD2	17	0.42
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB1	3	0.42
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB2	3	0.42
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB3	3	0.42
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB1	3	0.42
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB2	3	0.42
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB3	3	0.42
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB1	3	0.42
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB2	3	0.42
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB3	3	0.42
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB1	4	0.42
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB2	4	0.42
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB3	4	0.42
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB1	4	0.42
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB2	4	0.42
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB3	4	0.42
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB1	4	0.42
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB2	4	0.42
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB3	4	0.42
(1,618)	1:63:A:ALA:HB1	1:62:B:THR:H	9	0.42
(1,618)	1:63:A:ALA:HB2	1:62:B:THR:H	9	0.42
(1,618)	1:63:A:ALA:HB3	1:62:B:THR:H	9	0.42
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG21	8	0.42
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG22	8	0.42
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG23	8	0.42
(1,608)	1:62:A:THR:HB	1:65:A:GLN:HB2	10	0.42
(1,608)	1:62:A:THR:HB	1:65:A:GLN:HB3	10	0.42
(1,482)	1:52:A:MET:HG2	1:21:B:TYR:HD1	16	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,482)	1:52:A:MET:HG2	1:21:B:TYR:HD2	16	0.42
(1,482)	1:52:A:MET:HG3	1:21:B:TYR:HD1	16	0.42
(1,482)	1:52:A:MET:HG3	1:21:B:TYR:HD2	16	0.42
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD11	12	0.42
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD12	12	0.42
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD13	12	0.42
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD21	12	0.42
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD22	12	0.42
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD23	12	0.42
(1,399)	1:43:A:MET:HB2	1:58:A:LEU:HG	20	0.42
(1,399)	1:43:A:MET:HB3	1:58:A:LEU:HG	20	0.42
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD11	13	0.42
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD12	13	0.42
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD13	13	0.42
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD21	13	0.42
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD22	13	0.42
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD23	13	0.42
(1,207)	1:23:A:ILE:HG21	1:65:B:GLN:HA	3	0.42
(1,207)	1:23:A:ILE:HG22	1:65:B:GLN:HA	3	0.42
(1,207)	1:23:A:ILE:HG23	1:65:B:GLN:HA	3	0.42
(1,94)	1:15:A:ARG:HA	1:21:A:TYR:H	13	0.42
(1,64)	1:12:A:VAL:HG11	1:33:A:ARG:HA	3	0.42
(1,64)	1:12:A:VAL:HG12	1:33:A:ARG:HA	3	0.42
(1,64)	1:12:A:VAL:HG13	1:33:A:ARG:HA	3	0.42
(1,64)	1:12:A:VAL:HG21	1:33:A:ARG:HA	3	0.42
(1,64)	1:12:A:VAL:HG22	1:33:A:ARG:HA	3	0.42
(1,64)	1:12:A:VAL:HG23	1:33:A:ARG:HA	3	0.42
(1,53)	1:12:A:VAL:H	1:25:A:GLY:H	2	0.42
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG11	6	0.42
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG12	6	0.42
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG13	6	0.42
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG21	6	0.42
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG22	6	0.42
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG23	6	0.42
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG11	13	0.42
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG12	13	0.42
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG13	13	0.42
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG21	13	0.42
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG22	13	0.42
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG23	13	0.42
(1,30)	1:10:A:THR:HG21	1:12:A:VAL:HB	4	0.42
(1,30)	1:10:A:THR:HG22	1:12:A:VAL:HB	4	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,30)	1:10:A:THR:HG23	1:12:A:VAL:HB	4	0.42
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD11	4	0.41
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD12	4	0.41
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD13	4	0.41
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD21	4	0.41
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD22	4	0.41
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD23	4	0.41
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD11	14	0.41
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD12	14	0.41
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD13	14	0.41
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG11	3	0.41
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG12	3	0.41
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG13	3	0.41
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG21	3	0.41
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG22	3	0.41
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG23	3	0.41
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD11	9	0.41
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD12	9	0.41
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD13	9	0.41
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD21	9	0.41
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD22	9	0.41
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD23	9	0.41
(1,1319)	1:43:B:MET:H	1:62:B:THR:HB	9	0.41
(1,1201)	1:31:B:HIS:HA	1:34:B:LEU:HB2	4	0.41
(1,1201)	1:31:B:HIS:HA	1:34:B:LEU:HB3	4	0.41
(1,1201)	1:31:B:HIS:HA	1:34:B:LEU:HB2	8	0.41
(1,1201)	1:31:B:HIS:HA	1:34:B:LEU:HB3	8	0.41
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD11	15	0.41
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD12	15	0.41
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD13	15	0.41
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD21	15	0.41
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD22	15	0.41
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD23	15	0.41
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD11	15	0.41
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD12	15	0.41
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD13	15	0.41
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD21	15	0.41
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD22	15	0.41
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD23	15	0.41
(1,1033)	1:12:B:VAL:H	1:24:B:VAL:HA	9	0.41
(1,1016)	1:11:B:ARG:H	1:24:B:VAL:HA	10	0.41
(1,941)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	15	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,941)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	15	0.41
(1,941)	1:81:A:ARG:HG3	1:77:B:TYR:HE1	15	0.41
(1,941)	1:81:A:ARG:HG3	1:77:B:TYR:HE2	15	0.41
(1,938)	1:81:A:ARG:HG3	1:77:B:TYR:HE1	5	0.41
(1,938)	1:81:A:ARG:HG3	1:77:B:TYR:HE2	5	0.41
(1,922)	1:80:A:LEU:HD11	1:82:A:GLU:H	10	0.41
(1,922)	1:80:A:LEU:HD12	1:82:A:GLU:H	10	0.41
(1,922)	1:80:A:LEU:HD13	1:82:A:GLU:H	10	0.41
(1,922)	1:80:A:LEU:HD21	1:82:A:GLU:H	10	0.41
(1,922)	1:80:A:LEU:HD22	1:82:A:GLU:H	10	0.41
(1,922)	1:80:A:LEU:HD23	1:82:A:GLU:H	10	0.41
(1,913)	1:80:A:LEU:HD11	1:81:A:ARG:HA	1	0.41
(1,913)	1:80:A:LEU:HD12	1:81:A:ARG:HA	1	0.41
(1,913)	1:80:A:LEU:HD13	1:81:A:ARG:HA	1	0.41
(1,913)	1:80:A:LEU:HD11	1:81:A:ARG:HA	13	0.41
(1,913)	1:80:A:LEU:HD12	1:81:A:ARG:HA	13	0.41
(1,913)	1:80:A:LEU:HD13	1:81:A:ARG:HA	13	0.41
(1,865)	1:77:A:TYR:HA	1:80:A:LEU:H	16	0.41
(1,801)	1:73:A:LEU:HD11	1:75:A:GLU:H	7	0.41
(1,801)	1:73:A:LEU:HD12	1:75:A:GLU:H	7	0.41
(1,801)	1:73:A:LEU:HD13	1:75:A:GLU:H	7	0.41
(1,801)	1:73:A:LEU:HD21	1:75:A:GLU:H	7	0.41
(1,801)	1:73:A:LEU:HD22	1:75:A:GLU:H	7	0.41
(1,801)	1:73:A:LEU:HD23	1:75:A:GLU:H	7	0.41
(1,795)	1:73:A:LEU:HD21	1:74:A:LYS:HA	15	0.41
(1,795)	1:73:A:LEU:HD22	1:74:A:LYS:HA	15	0.41
(1,795)	1:73:A:LEU:HD23	1:74:A:LYS:HA	15	0.41
(1,760)	1:71:A:LEU:HD11	1:70:B:TYR:HD1	7	0.41
(1,760)	1:71:A:LEU:HD11	1:70:B:TYR:HD2	7	0.41
(1,760)	1:71:A:LEU:HD12	1:70:B:TYR:HD1	7	0.41
(1,760)	1:71:A:LEU:HD12	1:70:B:TYR:HD2	7	0.41
(1,760)	1:71:A:LEU:HD13	1:70:B:TYR:HD1	7	0.41
(1,760)	1:71:A:LEU:HD13	1:70:B:TYR:HD2	7	0.41
(1,760)	1:71:A:LEU:HD21	1:70:B:TYR:HD1	7	0.41
(1,760)	1:71:A:LEU:HD21	1:70:B:TYR:HD2	7	0.41
(1,760)	1:71:A:LEU:HD22	1:70:B:TYR:HD1	7	0.41
(1,760)	1:71:A:LEU:HD22	1:70:B:TYR:HD2	7	0.41
(1,760)	1:71:A:LEU:HD23	1:70:B:TYR:HD1	7	0.41
(1,760)	1:71:A:LEU:HD23	1:70:B:TYR:HD2	7	0.41
(1,737)	1:71:A:LEU:H	1:70:B:TYR:HE1	12	0.41
(1,737)	1:71:A:LEU:H	1:70:B:TYR:HE2	12	0.41
(1,665)	1:65:A:GLN:HG2	1:23:B:ILE:HD11	15	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,665)	1:65:A:GLN:HG2	1:23:B:ILE:HD12	15	0.41
(1,665)	1:65:A:GLN:HG2	1:23:B:ILE:HD13	15	0.41
(1,665)	1:65:A:GLN:HG3	1:23:B:ILE:HD11	15	0.41
(1,665)	1:65:A:GLN:HG3	1:23:B:ILE:HD12	15	0.41
(1,665)	1:65:A:GLN:HG3	1:23:B:ILE:HD13	15	0.41
(1,586)	1:61:A:LEU:HA	1:64:A:VAL:HB	15	0.41
(1,433)	1:46:A:PHE:HD1	1:62:A:THR:HB	7	0.41
(1,433)	1:46:A:PHE:HD2	1:62:A:THR:HB	7	0.41
(1,433)	1:46:A:PHE:HD1	1:62:A:THR:HB	17	0.41
(1,433)	1:46:A:PHE:HD2	1:62:A:THR:HB	17	0.41
(1,432)	1:46:A:PHE:HD1	1:62:A:THR:H	12	0.41
(1,432)	1:46:A:PHE:HD2	1:62:A:THR:H	12	0.41
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD11	7	0.41
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD12	7	0.41
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD13	7	0.41
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD21	7	0.41
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD22	7	0.41
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD23	7	0.41
(1,334)	1:38:A:PHE:HB2	1:71:B:LEU:HD11	6	0.41
(1,334)	1:38:A:PHE:HB2	1:71:B:LEU:HD12	6	0.41
(1,334)	1:38:A:PHE:HB2	1:71:B:LEU:HD13	6	0.41
(1,334)	1:38:A:PHE:HB2	1:71:B:LEU:HD21	6	0.41
(1,334)	1:38:A:PHE:HB2	1:71:B:LEU:HD22	6	0.41
(1,334)	1:38:A:PHE:HB2	1:71:B:LEU:HD23	6	0.41
(1,334)	1:38:A:PHE:HB3	1:71:B:LEU:HD11	6	0.41
(1,334)	1:38:A:PHE:HB3	1:71:B:LEU:HD12	6	0.41
(1,334)	1:38:A:PHE:HB3	1:71:B:LEU:HD13	6	0.41
(1,334)	1:38:A:PHE:HB3	1:71:B:LEU:HD21	6	0.41
(1,334)	1:38:A:PHE:HB3	1:71:B:LEU:HD22	6	0.41
(1,334)	1:38:A:PHE:HB3	1:71:B:LEU:HD23	6	0.41
(1,258)	1:32:A:ILE:HA	1:36:A:ALA:H	6	0.41
(1,258)	1:32:A:ILE:HA	1:36:A:ALA:H	8	0.41
(1,172)	1:21:A:TYR:HB2	1:23:A:ILE:HD11	4	0.41
(1,172)	1:21:A:TYR:HB2	1:23:A:ILE:HD12	4	0.41
(1,172)	1:21:A:TYR:HB2	1:23:A:ILE:HD13	4	0.41
(1,172)	1:21:A:TYR:HB3	1:23:A:ILE:HD11	4	0.41
(1,172)	1:21:A:TYR:HB3	1:23:A:ILE:HD12	4	0.41
(1,172)	1:21:A:TYR:HB3	1:23:A:ILE:HD13	4	0.41
(1,102)	1:15:A:ARG:HD2	1:19:A:GLN:H	9	0.41
(1,102)	1:15:A:ARG:HD3	1:19:A:GLN:H	9	0.41
(1,62)	1:12:A:VAL:HG11	1:32:A:ILE:H	1	0.41
(1,62)	1:12:A:VAL:HG12	1:32:A:ILE:H	1	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,62)	1:12:A:VAL:HG13	1:32:A:ILE:H	1	0.41
(1,62)	1:12:A:VAL:HG21	1:32:A:ILE:H	1	0.41
(1,62)	1:12:A:VAL:HG22	1:32:A:ILE:H	1	0.41
(1,62)	1:12:A:VAL:HG23	1:32:A:ILE:H	1	0.41
(1,57)	1:12:A:VAL:HB	1:25:A:GLY:H	12	0.41
(1,52)	1:12:A:VAL:H	1:24:A:VAL:HA	20	0.41
(1,40)	1:11:A:ARG:HA	1:24:A:VAL:HA	2	0.41
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG11	7	0.41
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG12	7	0.41
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG13	7	0.41
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG21	7	0.41
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG22	7	0.41
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG23	7	0.41
(1,35)	1:11:A:ARG:H	1:24:A:VAL:HA	4	0.41
(1,23)	1:10:A:THR:H	1:26:A:ALA:HA	13	0.41
(1,1762)	1:83:B:GLN:HG2	1:84:B:LEU:HD11	9	0.4
(1,1762)	1:83:B:GLN:HG2	1:84:B:LEU:HD12	9	0.4
(1,1762)	1:83:B:GLN:HG2	1:84:B:LEU:HD13	9	0.4
(1,1762)	1:83:B:GLN:HG2	1:84:B:LEU:HD21	9	0.4
(1,1762)	1:83:B:GLN:HG2	1:84:B:LEU:HD22	9	0.4
(1,1762)	1:83:B:GLN:HG2	1:84:B:LEU:HD23	9	0.4
(1,1762)	1:83:B:GLN:HG3	1:84:B:LEU:HD11	9	0.4
(1,1762)	1:83:B:GLN:HG3	1:84:B:LEU:HD12	9	0.4
(1,1762)	1:83:B:GLN:HG3	1:84:B:LEU:HD13	9	0.4
(1,1762)	1:83:B:GLN:HG3	1:84:B:LEU:HD21	9	0.4
(1,1762)	1:83:B:GLN:HG3	1:84:B:LEU:HD22	9	0.4
(1,1762)	1:83:B:GLN:HG3	1:84:B:LEU:HD23	9	0.4
(1,1614)	1:73:B:LEU:HD11	1:74:B:LYS:HA	15	0.4
(1,1614)	1:73:B:LEU:HD12	1:74:B:LYS:HA	15	0.4
(1,1614)	1:73:B:LEU:HD13	1:74:B:LYS:HA	15	0.4
(1,1614)	1:73:B:LEU:HD21	1:74:B:LYS:HA	15	0.4
(1,1614)	1:73:B:LEU:HD22	1:74:B:LYS:HA	15	0.4
(1,1614)	1:73:B:LEU:HD23	1:74:B:LYS:HA	15	0.4
(1,1614)	1:73:B:LEU:HD11	1:74:B:LYS:HA	16	0.4
(1,1614)	1:73:B:LEU:HD12	1:74:B:LYS:HA	16	0.4
(1,1614)	1:73:B:LEU:HD13	1:74:B:LYS:HA	16	0.4
(1,1614)	1:73:B:LEU:HD21	1:74:B:LYS:HA	16	0.4
(1,1614)	1:73:B:LEU:HD22	1:74:B:LYS:HA	16	0.4
(1,1614)	1:73:B:LEU:HD23	1:74:B:LYS:HA	16	0.4
(1,1613)	1:73:B:LEU:HD11	1:74:B:LYS:H	15	0.4
(1,1613)	1:73:B:LEU:HD12	1:74:B:LYS:H	15	0.4
(1,1613)	1:73:B:LEU:HD13	1:74:B:LYS:H	15	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1613)	1:73:B:LEU:HD21	1:74:B:LYS:H	15	0.4
(1,1613)	1:73:B:LEU:HD22	1:74:B:LYS:H	15	0.4
(1,1613)	1:73:B:LEU:HD23	1:74:B:LYS:H	15	0.4
(1,1612)	1:73:B:LEU:HD21	1:74:B:LYS:HA	5	0.4
(1,1612)	1:73:B:LEU:HD22	1:74:B:LYS:HA	5	0.4
(1,1612)	1:73:B:LEU:HD23	1:74:B:LYS:HA	5	0.4
(1,1612)	1:73:B:LEU:HD21	1:74:B:LYS:HA	20	0.4
(1,1612)	1:73:B:LEU:HD22	1:74:B:LYS:HA	20	0.4
(1,1612)	1:73:B:LEU:HD23	1:74:B:LYS:HA	20	0.4
(1,1608)	1:73:B:LEU:HG	1:74:B:LYS:H	12	0.4
(1,1576)	1:71:B:LEU:HA	1:74:B:LYS:HE2	17	0.4
(1,1576)	1:71:B:LEU:HA	1:74:B:LYS:HE3	17	0.4
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD11	6	0.4
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD12	6	0.4
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD13	6	0.4
(1,1357)	1:46:B:PHE:HD1	1:62:B:THR:H	13	0.4
(1,1357)	1:46:B:PHE:HD2	1:62:B:THR:H	13	0.4
(1,1319)	1:43:B:MET:H	1:62:B:THR:HB	14	0.4
(1,1319)	1:43:B:MET:H	1:62:B:THR:HB	19	0.4
(1,1288)	1:39:B:VAL:HG11	1:62:B:THR:HB	9	0.4
(1,1288)	1:39:B:VAL:HG12	1:62:B:THR:HB	9	0.4
(1,1288)	1:39:B:VAL:HG13	1:62:B:THR:HB	9	0.4
(1,1288)	1:39:B:VAL:HG21	1:62:B:THR:HB	9	0.4
(1,1288)	1:39:B:VAL:HG22	1:62:B:THR:HB	9	0.4
(1,1288)	1:39:B:VAL:HG23	1:62:B:THR:HB	9	0.4
(1,1215)	1:32:B:ILE:HA	1:36:B:ALA:H	6	0.4
(1,1215)	1:32:B:ILE:HA	1:36:B:ALA:H	10	0.4
(1,1178)	1:27:B:GLU:H	1:27:B:GLU:HG2	20	0.4
(1,1178)	1:27:B:GLU:H	1:27:B:GLU:HG3	20	0.4
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD11	9	0.4
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD12	9	0.4
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD13	9	0.4
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD11	9	0.4
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD12	9	0.4
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD13	9	0.4
(1,1075)	1:15:B:ARG:HA	1:21:B:TYR:H	4	0.4
(1,1043)	1:12:B:VAL:HG11	1:32:B:ILE:H	2	0.4
(1,1043)	1:12:B:VAL:HG12	1:32:B:ILE:H	2	0.4
(1,1043)	1:12:B:VAL:HG13	1:32:B:ILE:H	2	0.4
(1,1043)	1:12:B:VAL:HG21	1:32:B:ILE:H	2	0.4
(1,1043)	1:12:B:VAL:HG22	1:32:B:ILE:H	2	0.4
(1,1043)	1:12:B:VAL:HG23	1:32:B:ILE:H	2	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1043)	1:12:B:VAL:HG11	1:32:B:ILE:H	15	0.4
(1,1043)	1:12:B:VAL:HG12	1:32:B:ILE:H	15	0.4
(1,1043)	1:12:B:VAL:HG13	1:32:B:ILE:H	15	0.4
(1,1043)	1:12:B:VAL:HG21	1:32:B:ILE:H	15	0.4
(1,1043)	1:12:B:VAL:HG22	1:32:B:ILE:H	15	0.4
(1,1043)	1:12:B:VAL:HG23	1:32:B:ILE:H	15	0.4
(1,1034)	1:12:B:VAL:H	1:25:B:GLY:H	15	0.4
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG11	1	0.4
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG12	1	0.4
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG13	1	0.4
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG21	1	0.4
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG22	1	0.4
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG23	1	0.4
(1,1016)	1:11:B:ARG:H	1:24:B:VAL:HA	1	0.4
(1,1003)	1:10:B:THR:H	1:25:B:GLY:H	6	0.4
(1,919)	1:80:A:LEU:HD11	1:81:A:ARG:HB2	1	0.4
(1,919)	1:80:A:LEU:HD11	1:81:A:ARG:HB3	1	0.4
(1,919)	1:80:A:LEU:HD12	1:81:A:ARG:HB2	1	0.4
(1,919)	1:80:A:LEU:HD12	1:81:A:ARG:HB3	1	0.4
(1,919)	1:80:A:LEU:HD13	1:81:A:ARG:HB2	1	0.4
(1,919)	1:80:A:LEU:HD13	1:81:A:ARG:HB3	1	0.4
(1,919)	1:80:A:LEU:HD21	1:81:A:ARG:HB2	1	0.4
(1,919)	1:80:A:LEU:HD21	1:81:A:ARG:HB3	1	0.4
(1,919)	1:80:A:LEU:HD22	1:81:A:ARG:HB2	1	0.4
(1,919)	1:80:A:LEU:HD22	1:81:A:ARG:HB3	1	0.4
(1,919)	1:80:A:LEU:HD23	1:81:A:ARG:HB2	1	0.4
(1,919)	1:80:A:LEU:HD23	1:81:A:ARG:HB3	1	0.4
(1,919)	1:80:A:LEU:HD11	1:81:A:ARG:HB2	5	0.4
(1,919)	1:80:A:LEU:HD11	1:81:A:ARG:HB3	5	0.4
(1,919)	1:80:A:LEU:HD12	1:81:A:ARG:HB2	5	0.4
(1,919)	1:80:A:LEU:HD12	1:81:A:ARG:HB3	5	0.4
(1,919)	1:80:A:LEU:HD13	1:81:A:ARG:HB2	5	0.4
(1,919)	1:80:A:LEU:HD13	1:81:A:ARG:HB3	5	0.4
(1,919)	1:80:A:LEU:HD21	1:81:A:ARG:HB2	5	0.4
(1,919)	1:80:A:LEU:HD21	1:81:A:ARG:HB3	5	0.4
(1,919)	1:80:A:LEU:HD22	1:81:A:ARG:HB2	5	0.4
(1,919)	1:80:A:LEU:HD22	1:81:A:ARG:HB3	5	0.4
(1,919)	1:80:A:LEU:HD23	1:81:A:ARG:HB2	5	0.4
(1,919)	1:80:A:LEU:HD23	1:81:A:ARG:HB3	5	0.4
(1,829)	1:74:A:LYS:HE2	1:73:B:LEU:HG	19	0.4
(1,829)	1:74:A:LYS:HE3	1:73:B:LEU:HG	19	0.4
(1,765)	1:72:A:LYS:H	1:27:B:GLU:HB2	15	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,765)	1:72:A:LYS:H	1:27:B:GLU:HB3	15	0.4
(1,734)	1:70:A:TYR:HE1	1:71:B:LEU:H	3	0.4
(1,734)	1:70:A:TYR:HE2	1:71:B:LEU:H	3	0.4
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD21	8	0.4
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD22	8	0.4
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD23	8	0.4
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD21	8	0.4
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD22	8	0.4
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD23	8	0.4
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD11	8	0.4
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD12	8	0.4
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD13	8	0.4
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD21	8	0.4
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD22	8	0.4
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD23	8	0.4
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD11	8	0.4
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD12	8	0.4
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD13	8	0.4
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD21	8	0.4
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD22	8	0.4
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD23	8	0.4
(1,729)	1:70:A:TYR:HD1	1:67:B:ALA:HA	18	0.4
(1,729)	1:70:A:TYR:HD2	1:67:B:ALA:HA	18	0.4
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD11	1	0.4
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD12	1	0.4
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD13	1	0.4
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD21	1	0.4
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD22	1	0.4
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD23	1	0.4
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG21	4	0.4
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG22	4	0.4
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG23	4	0.4
(1,504)	1:56:A:PRO:HG2	1:56:B:PRO:HA	18	0.4
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG11	4	0.4
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG12	4	0.4
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG13	4	0.4
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG21	4	0.4
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG22	4	0.4
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG23	4	0.4
(1,387)	1:42:A:LYS:HD2	1:66:A:ILE:HA	15	0.4
(1,387)	1:42:A:LYS:HD3	1:66:A:ILE:HA	15	0.4
(1,385)	1:42:A:LYS:HD2	1:62:A:THR:HA	4	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,385)	1:42:A:LYS:HD3	1:62:A:THR:HA	4	0.4
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG11	19	0.4
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG12	19	0.4
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG13	19	0.4
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG21	19	0.4
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG22	19	0.4
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG23	19	0.4
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG11	19	0.4
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG12	19	0.4
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG13	19	0.4
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG21	19	0.4
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG22	19	0.4
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG23	19	0.4
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG11	19	0.4
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG12	19	0.4
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG13	19	0.4
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG21	19	0.4
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG22	19	0.4
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG23	19	0.4
(1,258)	1:32:A:ILE:HA	1:36:A:ALA:H	16	0.4
(1,257)	1:32:A:ILE:HA	1:35:A:VAL:HB	2	0.4
(1,244)	1:31:A:HIS:HA	1:34:A:LEU:HB2	15	0.4
(1,244)	1:31:A:HIS:HA	1:34:A:LEU:HB3	15	0.4
(1,213)	1:24:A:VAL:HB	1:65:B:GLN:HG2	17	0.4
(1,113)	1:16:A:ILE:H	1:21:A:TYR:H	12	0.4
(1,112)	1:16:A:ILE:H	1:20:A:ASP:HA	1	0.4
(1,61)	1:12:A:VAL:HG11	1:29:A:PRO:HA	1	0.4
(1,61)	1:12:A:VAL:HG12	1:29:A:PRO:HA	1	0.4
(1,61)	1:12:A:VAL:HG13	1:29:A:PRO:HA	1	0.4
(1,61)	1:12:A:VAL:HG21	1:29:A:PRO:HA	1	0.4
(1,61)	1:12:A:VAL:HG22	1:29:A:PRO:HA	1	0.4
(1,61)	1:12:A:VAL:HG23	1:29:A:PRO:HA	1	0.4
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG11	2	0.4
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG12	2	0.4
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG13	2	0.4
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG21	2	0.4
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG22	2	0.4
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG23	2	0.4
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD11	14	0.39
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD12	14	0.39
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD13	14	0.39
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD21	14	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD22	14	0.39
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD23	14	0.39
(1,1563)	1:70:B:TYR:HA	1:73:B:LEU:HG	16	0.39
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD11	12	0.39
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD12	12	0.39
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD13	12	0.39
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD21	12	0.39
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD22	12	0.39
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD23	12	0.39
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD11	20	0.39
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD12	20	0.39
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD13	20	0.39
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD21	20	0.39
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD22	20	0.39
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD23	20	0.39
(1,1369)	1:48:B:GLU:H	1:48:B:GLU:HG2	16	0.39
(1,1369)	1:48:B:GLU:H	1:48:B:GLU:HG3	16	0.39
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB1	15	0.39
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB2	15	0.39
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB3	15	0.39
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB1	15	0.39
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB2	15	0.39
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB3	15	0.39
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB1	15	0.39
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB2	15	0.39
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB3	15	0.39
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB1	15	0.39
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB2	15	0.39
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB3	15	0.39
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB1	15	0.39
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB2	15	0.39
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB3	15	0.39
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB1	15	0.39
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB2	15	0.39
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB3	15	0.39
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD11	16	0.39
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD12	16	0.39
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD13	16	0.39
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD11	16	0.39
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD12	16	0.39
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD13	16	0.39
(1,1146)	1:21:B:TYR:HB2	1:23:B:ILE:HD11	20	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1146)	1:21:B:TYR:HB2	1:23:B:ILE:HD12	20	0.39
(1,1146)	1:21:B:TYR:HB2	1:23:B:ILE:HD13	20	0.39
(1,1146)	1:21:B:TYR:HB3	1:23:B:ILE:HD11	20	0.39
(1,1146)	1:21:B:TYR:HB3	1:23:B:ILE:HD12	20	0.39
(1,1146)	1:21:B:TYR:HB3	1:23:B:ILE:HD13	20	0.39
(1,1094)	1:16:B:ILE:H	1:21:B:TYR:H	18	0.39
(1,1083)	1:15:B:ARG:HD2	1:19:B:GLN:H	10	0.39
(1,1083)	1:15:B:ARG:HD3	1:19:B:GLN:H	10	0.39
(1,1059)	1:14:B:VAL:H	1:22:B:THR:HG21	3	0.39
(1,1059)	1:14:B:VAL:H	1:22:B:THR:HG22	3	0.39
(1,1059)	1:14:B:VAL:H	1:22:B:THR:HG23	3	0.39
(1,1033)	1:12:B:VAL:H	1:24:B:VAL:HA	14	0.39
(1,1021)	1:11:B:ARG:HA	1:24:B:VAL:HA	4	0.39
(1,1016)	1:11:B:ARG:H	1:24:B:VAL:HA	5	0.39
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD11	17	0.39
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD12	17	0.39
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD13	17	0.39
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD21	17	0.39
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD22	17	0.39
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD23	17	0.39
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD11	17	0.39
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD12	17	0.39
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD13	17	0.39
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD21	17	0.39
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD22	17	0.39
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD23	17	0.39
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	19	0.39
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	19	0.39
(1,875)	1:77:A:TYR:HE1	1:81:B:ARG:HD2	7	0.39
(1,875)	1:77:A:TYR:HE2	1:81:B:ARG:HD2	7	0.39
(1,875)	1:77:A:TYR:HE1	1:81:B:ARG:HD3	7	0.39
(1,875)	1:77:A:TYR:HE2	1:81:B:ARG:HD3	7	0.39
(1,873)	1:77:A:TYR:HE1	1:76:B:GLU:HG2	2	0.39
(1,873)	1:77:A:TYR:HE1	1:76:B:GLU:HG3	2	0.39
(1,873)	1:77:A:TYR:HE2	1:76:B:GLU:HG2	2	0.39
(1,873)	1:77:A:TYR:HE2	1:76:B:GLU:HG3	2	0.39
(1,865)	1:77:A:TYR:HA	1:80:A:LEU:H	14	0.39
(1,804)	1:73:A:LEU:HD11	1:77:A:TYR:H	10	0.39
(1,804)	1:73:A:LEU:HD12	1:77:A:TYR:H	10	0.39
(1,804)	1:73:A:LEU:HD13	1:77:A:TYR:H	10	0.39
(1,804)	1:73:A:LEU:HD21	1:77:A:TYR:H	10	0.39
(1,804)	1:73:A:LEU:HD22	1:77:A:TYR:H	10	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,804)	1:73:A:LEU:HD23	1:77:A:TYR:H	10	0.39
(1,799)	1:73:A:LEU:HD11	1:74:A:LYS:HA	2	0.39
(1,799)	1:73:A:LEU:HD12	1:74:A:LYS:HA	2	0.39
(1,799)	1:73:A:LEU:HD13	1:74:A:LYS:HA	2	0.39
(1,799)	1:73:A:LEU:HD21	1:74:A:LYS:HA	2	0.39
(1,799)	1:73:A:LEU:HD22	1:74:A:LYS:HA	2	0.39
(1,799)	1:73:A:LEU:HD23	1:74:A:LYS:HA	2	0.39
(1,799)	1:73:A:LEU:HD11	1:74:A:LYS:HA	14	0.39
(1,799)	1:73:A:LEU:HD12	1:74:A:LYS:HA	14	0.39
(1,799)	1:73:A:LEU:HD13	1:74:A:LYS:HA	14	0.39
(1,799)	1:73:A:LEU:HD21	1:74:A:LYS:HA	14	0.39
(1,799)	1:73:A:LEU:HD22	1:74:A:LYS:HA	14	0.39
(1,799)	1:73:A:LEU:HD23	1:74:A:LYS:HA	14	0.39
(1,799)	1:73:A:LEU:HD11	1:74:A:LYS:HA	18	0.39
(1,799)	1:73:A:LEU:HD12	1:74:A:LYS:HA	18	0.39
(1,799)	1:73:A:LEU:HD13	1:74:A:LYS:HA	18	0.39
(1,799)	1:73:A:LEU:HD21	1:74:A:LYS:HA	18	0.39
(1,799)	1:73:A:LEU:HD22	1:74:A:LYS:HA	18	0.39
(1,799)	1:73:A:LEU:HD23	1:74:A:LYS:HA	18	0.39
(1,765)	1:72:A:LYS:H	1:27:B:GLU:HB2	14	0.39
(1,765)	1:72:A:LYS:H	1:27:B:GLU:HB3	14	0.39
(1,710)	1:69:A:GLU:H	1:72:A:LYS:HG2	2	0.39
(1,710)	1:69:A:GLU:H	1:72:A:LYS:HG3	2	0.39
(1,686)	1:67:A:ALA:HA	1:70:B:TYR:HD1	16	0.39
(1,686)	1:67:A:ALA:HA	1:70:B:TYR:HD2	16	0.39
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB1	18	0.39
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB2	18	0.39
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB3	18	0.39
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB1	18	0.39
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB2	18	0.39
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB3	18	0.39
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB1	18	0.39
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB2	18	0.39
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB3	18	0.39
(1,675)	1:66:A:ILE:HG21	1:63:B:ALA:HA	11	0.39
(1,675)	1:66:A:ILE:HG22	1:63:B:ALA:HA	11	0.39
(1,675)	1:66:A:ILE:HG23	1:63:B:ALA:HA	11	0.39
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG21	16	0.39
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG22	16	0.39
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG23	16	0.39
(1,537)	1:59:A:ALA:H	1:56:B:PRO:HA	9	0.39
(1,504)	1:56:A:PRO:HG2	1:56:B:PRO:HA	14	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG11	5	0.39
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG12	5	0.39
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG13	5	0.39
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG21	5	0.39
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG22	5	0.39
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG23	5	0.39
(1,482)	1:52:A:MET:HG2	1:21:B:TYR:HD1	13	0.39
(1,482)	1:52:A:MET:HG2	1:21:B:TYR:HD2	13	0.39
(1,482)	1:52:A:MET:HG3	1:21:B:TYR:HD1	13	0.39
(1,482)	1:52:A:MET:HG3	1:21:B:TYR:HD2	13	0.39
(1,449)	1:48:A:GLU:HG2	1:49:A:LYS:H	14	0.39
(1,449)	1:48:A:GLU:HG3	1:49:A:LYS:H	14	0.39
(1,351)	1:39:A:VAL:HG11	1:64:B:VAL:HA	8	0.39
(1,351)	1:39:A:VAL:HG12	1:64:B:VAL:HA	8	0.39
(1,351)	1:39:A:VAL:HG13	1:64:B:VAL:HA	8	0.39
(1,336)	1:38:A:PHE:HD1	1:67:B:ALA:HB1	13	0.39
(1,336)	1:38:A:PHE:HD1	1:67:B:ALA:HB2	13	0.39
(1,336)	1:38:A:PHE:HD1	1:67:B:ALA:HB3	13	0.39
(1,336)	1:38:A:PHE:HD2	1:67:B:ALA:HB1	13	0.39
(1,336)	1:38:A:PHE:HD2	1:67:B:ALA:HB2	13	0.39
(1,336)	1:38:A:PHE:HD2	1:67:B:ALA:HB3	13	0.39
(1,336)	1:38:A:PHE:HD1	1:67:B:ALA:HB1	13	0.39
(1,336)	1:38:A:PHE:HD1	1:67:B:ALA:HB2	13	0.39
(1,336)	1:38:A:PHE:HD1	1:67:B:ALA:HB3	13	0.39
(1,336)	1:38:A:PHE:HD2	1:67:B:ALA:HB1	13	0.39
(1,336)	1:38:A:PHE:HD2	1:67:B:ALA:HB2	13	0.39
(1,336)	1:38:A:PHE:HD2	1:67:B:ALA:HB3	13	0.39
(1,244)	1:31:A:HIS:HA	1:34:A:LEU:HB2	1	0.39
(1,244)	1:31:A:HIS:HA	1:34:A:LEU:HB3	1	0.39
(1,244)	1:31:A:HIS:HA	1:34:A:LEU:HB2	20	0.39
(1,244)	1:31:A:HIS:HA	1:34:A:LEU:HB3	20	0.39
(1,207)	1:23:A:ILE:HG21	1:65:B:GLN:HA	20	0.39
(1,207)	1:23:A:ILE:HG22	1:65:B:GLN:HA	20	0.39
(1,207)	1:23:A:ILE:HG23	1:65:B:GLN:HA	20	0.39
(1,178)	1:21:A:TYR:HD1	1:61:B:LEU:HD21	20	0.39
(1,178)	1:21:A:TYR:HD1	1:61:B:LEU:HD22	20	0.39
(1,178)	1:21:A:TYR:HD1	1:61:B:LEU:HD23	20	0.39
(1,178)	1:21:A:TYR:HD2	1:61:B:LEU:HD21	20	0.39
(1,178)	1:21:A:TYR:HD2	1:61:B:LEU:HD22	20	0.39
(1,178)	1:21:A:TYR:HD2	1:61:B:LEU:HD23	20	0.39
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD11	19	0.39
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD12	19	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD13	19	0.39
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD11	19	0.39
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD12	19	0.39
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD13	19	0.39
(1,132)	1:16:A:ILE:HG21	1:21:A:TYR:HE1	1	0.39
(1,132)	1:16:A:ILE:HG21	1:21:A:TYR:HE2	1	0.39
(1,132)	1:16:A:ILE:HG22	1:21:A:TYR:HE1	1	0.39
(1,132)	1:16:A:ILE:HG22	1:21:A:TYR:HE2	1	0.39
(1,132)	1:16:A:ILE:HG23	1:21:A:TYR:HE1	1	0.39
(1,132)	1:16:A:ILE:HG23	1:21:A:TYR:HE2	1	0.39
(1,113)	1:16:A:ILE:H	1:21:A:TYR:H	6	0.39
(1,112)	1:16:A:ILE:H	1:20:A:ASP:HA	8	0.39
(1,65)	1:12:A:VAL:HG11	1:33:A:ARG:HD2	16	0.39
(1,65)	1:12:A:VAL:HG11	1:33:A:ARG:HD3	16	0.39
(1,65)	1:12:A:VAL:HG12	1:33:A:ARG:HD2	16	0.39
(1,65)	1:12:A:VAL:HG12	1:33:A:ARG:HD3	16	0.39
(1,65)	1:12:A:VAL:HG13	1:33:A:ARG:HD2	16	0.39
(1,65)	1:12:A:VAL:HG13	1:33:A:ARG:HD3	16	0.39
(1,65)	1:12:A:VAL:HG21	1:33:A:ARG:HD2	16	0.39
(1,65)	1:12:A:VAL:HG21	1:33:A:ARG:HD3	16	0.39
(1,65)	1:12:A:VAL:HG22	1:33:A:ARG:HD2	16	0.39
(1,65)	1:12:A:VAL:HG22	1:33:A:ARG:HD3	16	0.39
(1,65)	1:12:A:VAL:HG23	1:33:A:ARG:HD2	16	0.39
(1,65)	1:12:A:VAL:HG23	1:33:A:ARG:HD3	16	0.39
(1,61)	1:12:A:VAL:HG11	1:29:A:PRO:HA	19	0.39
(1,61)	1:12:A:VAL:HG12	1:29:A:PRO:HA	19	0.39
(1,61)	1:12:A:VAL:HG13	1:29:A:PRO:HA	19	0.39
(1,61)	1:12:A:VAL:HG21	1:29:A:PRO:HA	19	0.39
(1,61)	1:12:A:VAL:HG22	1:29:A:PRO:HA	19	0.39
(1,61)	1:12:A:VAL:HG23	1:29:A:PRO:HA	19	0.39
(1,53)	1:12:A:VAL:H	1:25:A:GLY:H	3	0.39
(1,53)	1:12:A:VAL:H	1:25:A:GLY:H	8	0.39
(1,53)	1:12:A:VAL:H	1:25:A:GLY:H	20	0.39
(1,52)	1:12:A:VAL:H	1:24:A:VAL:HA	14	0.39
(1,42)	1:11:A:ARG:HA	1:25:A:GLY:H	20	0.39
(1,40)	1:11:A:ARG:HA	1:24:A:VAL:HA	12	0.39
(1,37)	1:11:A:ARG:H	1:25:A:GLY:H	20	0.39
(1,35)	1:11:A:ARG:H	1:24:A:VAL:HA	14	0.39
(1,1563)	1:70:B:TYR:HA	1:73:B:LEU:HG	17	0.38
(1,1549)	1:69:B:GLU:H	1:72:B:LYS:HG2	19	0.38
(1,1549)	1:69:B:GLU:H	1:72:B:LYS:HG3	19	0.38
(1,1351)	1:46:B:PHE:HA	1:49:B:LYS:HD2	11	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1351)	1:46:B:PHE:HA	1:49:B:LYS:HD3	11	0.38
(1,1304)	1:42:B:LYS:H	1:62:B:THR:HG21	13	0.38
(1,1304)	1:42:B:LYS:H	1:62:B:THR:HG22	13	0.38
(1,1304)	1:42:B:LYS:H	1:62:B:THR:HG23	13	0.38
(1,1304)	1:42:B:LYS:H	1:62:B:THR:HG21	18	0.38
(1,1304)	1:42:B:LYS:H	1:62:B:THR:HG22	18	0.38
(1,1304)	1:42:B:LYS:H	1:62:B:THR:HG23	18	0.38
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB1	8	0.38
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB2	8	0.38
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB3	8	0.38
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB1	8	0.38
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB2	8	0.38
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB3	8	0.38
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB1	8	0.38
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB2	8	0.38
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB3	8	0.38
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB1	8	0.38
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB2	8	0.38
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB3	8	0.38
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB1	8	0.38
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB2	8	0.38
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB3	8	0.38
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB1	8	0.38
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB2	8	0.38
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB3	8	0.38
(1,1201)	1:31:B:HIS:HA	1:34:B:LEU:HB2	16	0.38
(1,1201)	1:31:B:HIS:HA	1:34:B:LEU:HB3	16	0.38
(1,1201)	1:31:B:HIS:HA	1:34:B:LEU:HB2	18	0.38
(1,1201)	1:31:B:HIS:HA	1:34:B:LEU:HB3	18	0.38
(1,1183)	1:28:B:SER:H	1:31:B:HIS:H	19	0.38
(1,1111)	1:16:B:ILE:HG21	1:21:B:TYR:HE1	2	0.38
(1,1111)	1:16:B:ILE:HG21	1:21:B:TYR:HE2	2	0.38
(1,1111)	1:16:B:ILE:HG22	1:21:B:TYR:HE1	2	0.38
(1,1111)	1:16:B:ILE:HG22	1:21:B:TYR:HE2	2	0.38
(1,1111)	1:16:B:ILE:HG23	1:21:B:TYR:HE1	2	0.38
(1,1111)	1:16:B:ILE:HG23	1:21:B:TYR:HE2	2	0.38
(1,1111)	1:16:B:ILE:HG21	1:21:B:TYR:HE1	13	0.38
(1,1111)	1:16:B:ILE:HG21	1:21:B:TYR:HE2	13	0.38
(1,1111)	1:16:B:ILE:HG22	1:21:B:TYR:HE1	13	0.38
(1,1111)	1:16:B:ILE:HG22	1:21:B:TYR:HE2	13	0.38
(1,1111)	1:16:B:ILE:HG23	1:21:B:TYR:HE1	13	0.38
(1,1111)	1:16:B:ILE:HG23	1:21:B:TYR:HE2	13	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1094)	1:16:B:ILE:H	1:21:B:TYR:H	14	0.38
(1,1075)	1:15:B:ARG:HA	1:21:B:TYR:H	16	0.38
(1,1066)	1:14:B:VAL:HG11	1:33:B:ARG:H	7	0.38
(1,1066)	1:14:B:VAL:HG12	1:33:B:ARG:H	7	0.38
(1,1066)	1:14:B:VAL:HG13	1:33:B:ARG:H	7	0.38
(1,1066)	1:14:B:VAL:HG21	1:33:B:ARG:H	7	0.38
(1,1066)	1:14:B:VAL:HG22	1:33:B:ARG:H	7	0.38
(1,1066)	1:14:B:VAL:HG23	1:33:B:ARG:H	7	0.38
(1,1043)	1:12:B:VAL:HG11	1:32:B:ILE:H	8	0.38
(1,1043)	1:12:B:VAL:HG12	1:32:B:ILE:H	8	0.38
(1,1043)	1:12:B:VAL:HG13	1:32:B:ILE:H	8	0.38
(1,1043)	1:12:B:VAL:HG21	1:32:B:ILE:H	8	0.38
(1,1043)	1:12:B:VAL:HG22	1:32:B:ILE:H	8	0.38
(1,1043)	1:12:B:VAL:HG23	1:32:B:ILE:H	8	0.38
(1,1018)	1:11:B:ARG:H	1:25:B:GLY:H	6	0.38
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG11	7	0.38
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG12	7	0.38
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG13	7	0.38
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG21	7	0.38
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG22	7	0.38
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG23	7	0.38
(1,1004)	1:10:B:THR:H	1:26:B:ALA:HA	8	0.38
(1,973)	1:84:A:LEU:HD11	1:85:A:LYS:H	11	0.38
(1,973)	1:84:A:LEU:HD12	1:85:A:LYS:H	11	0.38
(1,973)	1:84:A:LEU:HD13	1:85:A:LYS:H	11	0.38
(1,973)	1:84:A:LEU:HD21	1:85:A:LYS:H	11	0.38
(1,973)	1:84:A:LEU:HD22	1:85:A:LYS:H	11	0.38
(1,973)	1:84:A:LEU:HD23	1:85:A:LYS:H	11	0.38
(1,913)	1:80:A:LEU:HD11	1:81:A:ARG:HA	2	0.38
(1,913)	1:80:A:LEU:HD12	1:81:A:ARG:HA	2	0.38
(1,913)	1:80:A:LEU:HD13	1:81:A:ARG:HA	2	0.38
(1,857)	1:76:A:GLU:HG2	1:77:B:TYR:HE1	20	0.38
(1,857)	1:76:A:GLU:HG2	1:77:B:TYR:HE2	20	0.38
(1,857)	1:76:A:GLU:HG3	1:77:B:TYR:HE1	20	0.38
(1,857)	1:76:A:GLU:HG3	1:77:B:TYR:HE2	20	0.38
(1,798)	1:73:A:LEU:HD11	1:74:A:LYS:H	19	0.38
(1,798)	1:73:A:LEU:HD12	1:74:A:LYS:H	19	0.38
(1,798)	1:73:A:LEU:HD13	1:74:A:LYS:H	19	0.38
(1,798)	1:73:A:LEU:HD21	1:74:A:LYS:H	19	0.38
(1,798)	1:73:A:LEU:HD22	1:74:A:LYS:H	19	0.38
(1,798)	1:73:A:LEU:HD23	1:74:A:LYS:H	19	0.38
(1,760)	1:71:A:LEU:HD11	1:70:B:TYR:HD1	11	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,760)	1:71:A:LEU:HD11	1:70:B:TYR:HD2	11	0.38
(1,760)	1:71:A:LEU:HD12	1:70:B:TYR:HD1	11	0.38
(1,760)	1:71:A:LEU:HD12	1:70:B:TYR:HD2	11	0.38
(1,760)	1:71:A:LEU:HD13	1:70:B:TYR:HD1	11	0.38
(1,760)	1:71:A:LEU:HD13	1:70:B:TYR:HD2	11	0.38
(1,760)	1:71:A:LEU:HD21	1:70:B:TYR:HD1	11	0.38
(1,760)	1:71:A:LEU:HD21	1:70:B:TYR:HD2	11	0.38
(1,760)	1:71:A:LEU:HD22	1:70:B:TYR:HD1	11	0.38
(1,760)	1:71:A:LEU:HD22	1:70:B:TYR:HD2	11	0.38
(1,760)	1:71:A:LEU:HD23	1:70:B:TYR:HD1	11	0.38
(1,760)	1:71:A:LEU:HD23	1:70:B:TYR:HD2	11	0.38
(1,759)	1:71:A:LEU:HD11	1:38:B:PHE:HD1	1	0.38
(1,759)	1:71:A:LEU:HD11	1:38:B:PHE:HD2	1	0.38
(1,759)	1:71:A:LEU:HD12	1:38:B:PHE:HD1	1	0.38
(1,759)	1:71:A:LEU:HD12	1:38:B:PHE:HD2	1	0.38
(1,759)	1:71:A:LEU:HD13	1:38:B:PHE:HD1	1	0.38
(1,759)	1:71:A:LEU:HD13	1:38:B:PHE:HD2	1	0.38
(1,759)	1:71:A:LEU:HD21	1:38:B:PHE:HD1	1	0.38
(1,759)	1:71:A:LEU:HD21	1:38:B:PHE:HD2	1	0.38
(1,759)	1:71:A:LEU:HD22	1:38:B:PHE:HD1	1	0.38
(1,759)	1:71:A:LEU:HD22	1:38:B:PHE:HD2	1	0.38
(1,759)	1:71:A:LEU:HD23	1:38:B:PHE:HD1	1	0.38
(1,759)	1:71:A:LEU:HD23	1:38:B:PHE:HD2	1	0.38
(1,734)	1:70:A:TYR:HE1	1:71:B:LEU:H	12	0.38
(1,734)	1:70:A:TYR:HE2	1:71:B:LEU:H	12	0.38
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD21	14	0.38
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD22	14	0.38
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD23	14	0.38
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD21	14	0.38
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD22	14	0.38
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD23	14	0.38
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD11	14	0.38
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD12	14	0.38
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD13	14	0.38
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD21	14	0.38
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD22	14	0.38
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD23	14	0.38
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD11	14	0.38
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD12	14	0.38
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD13	14	0.38
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD21	14	0.38
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD22	14	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD23	14	0.38
(1,686)	1:67:A:ALA:HA	1:70:B:TYR:HD1	5	0.38
(1,686)	1:67:A:ALA:HA	1:70:B:TYR:HD2	5	0.38
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB1	20	0.38
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB2	20	0.38
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB3	20	0.38
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB1	20	0.38
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB2	20	0.38
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB3	20	0.38
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB1	20	0.38
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB2	20	0.38
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB3	20	0.38
(1,662)	1:65:A:GLN:HB2	1:23:B:ILE:HG21	17	0.38
(1,662)	1:65:A:GLN:HB2	1:23:B:ILE:HG22	17	0.38
(1,662)	1:65:A:GLN:HB2	1:23:B:ILE:HG23	17	0.38
(1,662)	1:65:A:GLN:HB3	1:23:B:ILE:HG21	17	0.38
(1,662)	1:65:A:GLN:HB3	1:23:B:ILE:HG22	17	0.38
(1,662)	1:65:A:GLN:HB3	1:23:B:ILE:HG23	17	0.38
(1,437)	1:47:A:SER:H	1:58:A:LEU:HG	15	0.38
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD11	4	0.38
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD12	4	0.38
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD13	4	0.38
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD21	4	0.38
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD22	4	0.38
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD23	4	0.38
(1,365)	1:40:A:ASP:HA	1:43:A:MET:HB2	19	0.38
(1,365)	1:40:A:ASP:HA	1:43:A:MET:HB3	19	0.38
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB1	11	0.38
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB2	11	0.38
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB3	11	0.38
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB1	11	0.38
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB2	11	0.38
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB3	11	0.38
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB1	11	0.38
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB2	11	0.38
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB3	11	0.38
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB1	11	0.38
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB2	11	0.38
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB3	11	0.38
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB1	11	0.38
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB2	11	0.38
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB3	11	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB1	11	0.38
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB2	11	0.38
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB3	11	0.38
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB1	12	0.38
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB2	12	0.38
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB3	12	0.38
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB1	12	0.38
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB2	12	0.38
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB3	12	0.38
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB1	12	0.38
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB2	12	0.38
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB3	12	0.38
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB1	12	0.38
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB2	12	0.38
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB3	12	0.38
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB1	12	0.38
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB2	12	0.38
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB3	12	0.38
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB1	12	0.38
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB2	12	0.38
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB3	12	0.38
(1,275)	1:34:A:LEU:H	1:34:A:LEU:HG	18	0.38
(1,240)	1:30:A:ALA:HB1	1:33:A:ARG:HD2	4	0.38
(1,240)	1:30:A:ALA:HB1	1:33:A:ARG:HD3	4	0.38
(1,240)	1:30:A:ALA:HB2	1:33:A:ARG:HD2	4	0.38
(1,240)	1:30:A:ALA:HB2	1:33:A:ARG:HD3	4	0.38
(1,240)	1:30:A:ALA:HB3	1:33:A:ARG:HD2	4	0.38
(1,240)	1:30:A:ALA:HB3	1:33:A:ARG:HD3	4	0.38
(1,237)	1:30:A:ALA:HA	1:33:A:ARG:HG2	17	0.38
(1,237)	1:30:A:ALA:HA	1:33:A:ARG:HG3	17	0.38
(1,220)	1:27:A:GLU:H	1:27:A:GLU:HG2	15	0.38
(1,220)	1:27:A:GLU:H	1:27:A:GLU:HG3	15	0.38
(1,198)	1:23:A:ILE:HD11	1:64:B:VAL:HB	17	0.38
(1,198)	1:23:A:ILE:HD12	1:64:B:VAL:HB	17	0.38
(1,198)	1:23:A:ILE:HD13	1:64:B:VAL:HB	17	0.38
(1,164)	1:20:A:ASP:H	1:21:A:TYR:HE1	9	0.38
(1,164)	1:20:A:ASP:H	1:21:A:TYR:HE2	9	0.38
(1,157)	1:19:A:GLN:HB3	1:21:A:TYR:HE1	15	0.38
(1,157)	1:19:A:GLN:HB3	1:21:A:TYR:HE2	15	0.38
(1,132)	1:16:A:ILE:HG21	1:21:A:TYR:HE1	20	0.38
(1,132)	1:16:A:ILE:HG21	1:21:A:TYR:HE2	20	0.38
(1,132)	1:16:A:ILE:HG22	1:21:A:TYR:HE1	20	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,132)	1:16:A:ILE:HG22	1:21:A:TYR:HE2	20	0.38
(1,132)	1:16:A:ILE:HG23	1:21:A:TYR:HE1	20	0.38
(1,132)	1:16:A:ILE:HG23	1:21:A:TYR:HE2	20	0.38
(1,99)	1:15:A:ARG:HG3	1:19:A:GLN:H	17	0.38
(1,85)	1:14:A:VAL:HG11	1:33:A:ARG:H	1	0.38
(1,85)	1:14:A:VAL:HG12	1:33:A:ARG:H	1	0.38
(1,85)	1:14:A:VAL:HG13	1:33:A:ARG:H	1	0.38
(1,85)	1:14:A:VAL:HG21	1:33:A:ARG:H	1	0.38
(1,85)	1:14:A:VAL:HG22	1:33:A:ARG:H	1	0.38
(1,85)	1:14:A:VAL:HG23	1:33:A:ARG:H	1	0.38
(1,62)	1:12:A:VAL:HG11	1:32:A:ILE:H	12	0.38
(1,62)	1:12:A:VAL:HG12	1:32:A:ILE:H	12	0.38
(1,62)	1:12:A:VAL:HG13	1:32:A:ILE:H	12	0.38
(1,62)	1:12:A:VAL:HG21	1:32:A:ILE:H	12	0.38
(1,62)	1:12:A:VAL:HG22	1:32:A:ILE:H	12	0.38
(1,62)	1:12:A:VAL:HG23	1:32:A:ILE:H	12	0.38
(1,40)	1:11:A:ARG:HA	1:24:A:VAL:HA	20	0.38
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG11	5	0.38
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG12	5	0.38
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG13	5	0.38
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG21	5	0.38
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG22	5	0.38
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG23	5	0.38
(1,35)	1:11:A:ARG:H	1:24:A:VAL:HA	11	0.38
(1,35)	1:11:A:ARG:H	1:24:A:VAL:HA	18	0.38
(1,29)	1:10:A:THR:HG21	1:12:A:VAL:HA	15	0.38
(1,29)	1:10:A:THR:HG22	1:12:A:VAL:HA	15	0.38
(1,29)	1:10:A:THR:HG23	1:12:A:VAL:HA	15	0.38
(1,1673)	1:77:B:TYR:HA	1:80:B:LEU:H	19	0.37
(1,1610)	1:73:B:LEU:HD11	1:74:B:LYS:HA	16	0.37
(1,1610)	1:73:B:LEU:HD12	1:74:B:LYS:HA	16	0.37
(1,1610)	1:73:B:LEU:HD13	1:74:B:LYS:HA	16	0.37
(1,1574)	1:71:B:LEU:HA	1:74:B:LYS:HB2	8	0.37
(1,1574)	1:71:B:LEU:HA	1:74:B:LYS:HB3	8	0.37
(1,1374)	1:48:B:GLU:HG2	1:49:B:LYS:H	3	0.37
(1,1374)	1:48:B:GLU:HG3	1:49:B:LYS:H	3	0.37
(1,1357)	1:46:B:PHE:HD1	1:62:B:THR:H	6	0.37
(1,1357)	1:46:B:PHE:HD2	1:62:B:THR:H	6	0.37
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD11	16	0.37
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD12	16	0.37
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD13	16	0.37
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD21	16	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD22	16	0.37
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD23	16	0.37
(1,1255)	1:35:B:VAL:HG11	1:38:B:PHE:HD1	9	0.37
(1,1255)	1:35:B:VAL:HG11	1:38:B:PHE:HD2	9	0.37
(1,1255)	1:35:B:VAL:HG12	1:38:B:PHE:HD1	9	0.37
(1,1255)	1:35:B:VAL:HG12	1:38:B:PHE:HD2	9	0.37
(1,1255)	1:35:B:VAL:HG13	1:38:B:PHE:HD1	9	0.37
(1,1255)	1:35:B:VAL:HG13	1:38:B:PHE:HD2	9	0.37
(1,1255)	1:35:B:VAL:HG21	1:38:B:PHE:HD1	9	0.37
(1,1255)	1:35:B:VAL:HG21	1:38:B:PHE:HD2	9	0.37
(1,1255)	1:35:B:VAL:HG22	1:38:B:PHE:HD1	9	0.37
(1,1255)	1:35:B:VAL:HG22	1:38:B:PHE:HD2	9	0.37
(1,1255)	1:35:B:VAL:HG23	1:38:B:PHE:HD1	9	0.37
(1,1255)	1:35:B:VAL:HG23	1:38:B:PHE:HD2	9	0.37
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB1	16	0.37
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB2	16	0.37
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB3	16	0.37
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB1	16	0.37
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB2	16	0.37
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB3	16	0.37
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB1	16	0.37
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB2	16	0.37
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB3	16	0.37
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB1	16	0.37
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB2	16	0.37
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB3	16	0.37
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB1	16	0.37
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB2	16	0.37
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB3	16	0.37
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB1	16	0.37
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB2	16	0.37
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB3	16	0.37
(1,1111)	1:16:B:ILE:HG21	1:21:B:TYR:HE1	6	0.37
(1,1111)	1:16:B:ILE:HG21	1:21:B:TYR:HE2	6	0.37
(1,1111)	1:16:B:ILE:HG22	1:21:B:TYR:HE1	6	0.37
(1,1111)	1:16:B:ILE:HG22	1:21:B:TYR:HE2	6	0.37
(1,1111)	1:16:B:ILE:HG23	1:21:B:TYR:HE1	6	0.37
(1,1111)	1:16:B:ILE:HG23	1:21:B:TYR:HE2	6	0.37
(1,1066)	1:14:B:VAL:HG11	1:33:B:ARG:H	9	0.37
(1,1066)	1:14:B:VAL:HG12	1:33:B:ARG:H	9	0.37
(1,1066)	1:14:B:VAL:HG13	1:33:B:ARG:H	9	0.37
(1,1066)	1:14:B:VAL:HG21	1:33:B:ARG:H	9	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1066)	1:14:B:VAL:HG22	1:33:B:ARG:H	9	0.37
(1,1066)	1:14:B:VAL:HG23	1:33:B:ARG:H	9	0.37
(1,1059)	1:14:B:VAL:H	1:22:B:THR:HG21	1	0.37
(1,1059)	1:14:B:VAL:H	1:22:B:THR:HG22	1	0.37
(1,1059)	1:14:B:VAL:H	1:22:B:THR:HG23	1	0.37
(1,1045)	1:12:B:VAL:HG11	1:33:B:ARG:HA	11	0.37
(1,1045)	1:12:B:VAL:HG12	1:33:B:ARG:HA	11	0.37
(1,1045)	1:12:B:VAL:HG13	1:33:B:ARG:HA	11	0.37
(1,1045)	1:12:B:VAL:HG21	1:33:B:ARG:HA	11	0.37
(1,1045)	1:12:B:VAL:HG22	1:33:B:ARG:HA	11	0.37
(1,1045)	1:12:B:VAL:HG23	1:33:B:ARG:HA	11	0.37
(1,1033)	1:12:B:VAL:H	1:24:B:VAL:HA	18	0.37
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD11	10	0.37
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD12	10	0.37
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD13	10	0.37
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD21	10	0.37
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD22	10	0.37
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD23	10	0.37
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD11	10	0.37
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD12	10	0.37
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD13	10	0.37
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD21	10	0.37
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD22	10	0.37
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD23	10	0.37
(1,941)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	11	0.37
(1,941)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	11	0.37
(1,941)	1:81:A:ARG:HG3	1:77:B:TYR:HE1	11	0.37
(1,941)	1:81:A:ARG:HG3	1:77:B:TYR:HE2	11	0.37
(1,938)	1:81:A:ARG:HG3	1:77:B:TYR:HE1	14	0.37
(1,938)	1:81:A:ARG:HG3	1:77:B:TYR:HE2	14	0.37
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	8	0.37
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	8	0.37
(1,922)	1:80:A:LEU:HD11	1:82:A:GLU:H	9	0.37
(1,922)	1:80:A:LEU:HD12	1:82:A:GLU:H	9	0.37
(1,922)	1:80:A:LEU:HD13	1:82:A:GLU:H	9	0.37
(1,922)	1:80:A:LEU:HD21	1:82:A:GLU:H	9	0.37
(1,922)	1:80:A:LEU:HD22	1:82:A:GLU:H	9	0.37
(1,922)	1:80:A:LEU:HD23	1:82:A:GLU:H	9	0.37
(1,805)	1:73:A:LEU:HD11	1:77:A:TYR:HB2	10	0.37
(1,805)	1:73:A:LEU:HD11	1:77:A:TYR:HB3	10	0.37
(1,805)	1:73:A:LEU:HD12	1:77:A:TYR:HB2	10	0.37
(1,805)	1:73:A:LEU:HD12	1:77:A:TYR:HB3	10	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,805)	1:73:A:LEU:HD13	1:77:A:TYR:HB2	10	0.37
(1,805)	1:73:A:LEU:HD13	1:77:A:TYR:HB3	10	0.37
(1,805)	1:73:A:LEU:HD21	1:77:A:TYR:HB2	10	0.37
(1,805)	1:73:A:LEU:HD21	1:77:A:TYR:HB3	10	0.37
(1,805)	1:73:A:LEU:HD22	1:77:A:TYR:HB2	10	0.37
(1,805)	1:73:A:LEU:HD22	1:77:A:TYR:HB3	10	0.37
(1,805)	1:73:A:LEU:HD23	1:77:A:TYR:HB2	10	0.37
(1,805)	1:73:A:LEU:HD23	1:77:A:TYR:HB3	10	0.37
(1,801)	1:73:A:LEU:HD11	1:75:A:GLU:H	19	0.37
(1,801)	1:73:A:LEU:HD12	1:75:A:GLU:H	19	0.37
(1,801)	1:73:A:LEU:HD13	1:75:A:GLU:H	19	0.37
(1,801)	1:73:A:LEU:HD21	1:75:A:GLU:H	19	0.37
(1,801)	1:73:A:LEU:HD22	1:75:A:GLU:H	19	0.37
(1,801)	1:73:A:LEU:HD23	1:75:A:GLU:H	19	0.37
(1,798)	1:73:A:LEU:HD11	1:74:A:LYS:H	2	0.37
(1,798)	1:73:A:LEU:HD12	1:74:A:LYS:H	2	0.37
(1,798)	1:73:A:LEU:HD13	1:74:A:LYS:H	2	0.37
(1,798)	1:73:A:LEU:HD21	1:74:A:LYS:H	2	0.37
(1,798)	1:73:A:LEU:HD22	1:74:A:LYS:H	2	0.37
(1,798)	1:73:A:LEU:HD23	1:74:A:LYS:H	2	0.37
(1,798)	1:73:A:LEU:HD11	1:74:A:LYS:H	20	0.37
(1,798)	1:73:A:LEU:HD12	1:74:A:LYS:H	20	0.37
(1,798)	1:73:A:LEU:HD13	1:74:A:LYS:H	20	0.37
(1,798)	1:73:A:LEU:HD21	1:74:A:LYS:H	20	0.37
(1,798)	1:73:A:LEU:HD22	1:74:A:LYS:H	20	0.37
(1,798)	1:73:A:LEU:HD23	1:74:A:LYS:H	20	0.37
(1,724)	1:70:A:TYR:HA	1:73:A:LEU:HG	18	0.37
(1,675)	1:66:A:ILE:HG21	1:63:B:ALA:HA	16	0.37
(1,675)	1:66:A:ILE:HG22	1:63:B:ALA:HA	16	0.37
(1,675)	1:66:A:ILE:HG23	1:63:B:ALA:HA	16	0.37
(1,662)	1:65:A:GLN:HB2	1:23:B:ILE:HG21	9	0.37
(1,662)	1:65:A:GLN:HB2	1:23:B:ILE:HG22	9	0.37
(1,662)	1:65:A:GLN:HB2	1:23:B:ILE:HG23	9	0.37
(1,662)	1:65:A:GLN:HB3	1:23:B:ILE:HG21	9	0.37
(1,662)	1:65:A:GLN:HB3	1:23:B:ILE:HG22	9	0.37
(1,662)	1:65:A:GLN:HB3	1:23:B:ILE:HG23	9	0.37
(1,565)	1:60:A:VAL:HG11	1:16:B:ILE:HD11	11	0.37
(1,565)	1:60:A:VAL:HG11	1:16:B:ILE:HD12	11	0.37
(1,565)	1:60:A:VAL:HG11	1:16:B:ILE:HD13	11	0.37
(1,565)	1:60:A:VAL:HG12	1:16:B:ILE:HD11	11	0.37
(1,565)	1:60:A:VAL:HG12	1:16:B:ILE:HD12	11	0.37
(1,565)	1:60:A:VAL:HG12	1:16:B:ILE:HD13	11	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,565)	1:60:A:VAL:HG13	1:16:B:ILE:HD11	11	0.37
(1,565)	1:60:A:VAL:HG13	1:16:B:ILE:HD12	11	0.37
(1,565)	1:60:A:VAL:HG13	1:16:B:ILE:HD13	11	0.37
(1,565)	1:60:A:VAL:HG21	1:16:B:ILE:HD11	11	0.37
(1,565)	1:60:A:VAL:HG21	1:16:B:ILE:HD12	11	0.37
(1,565)	1:60:A:VAL:HG21	1:16:B:ILE:HD13	11	0.37
(1,565)	1:60:A:VAL:HG22	1:16:B:ILE:HD11	11	0.37
(1,565)	1:60:A:VAL:HG22	1:16:B:ILE:HD12	11	0.37
(1,565)	1:60:A:VAL:HG22	1:16:B:ILE:HD13	11	0.37
(1,565)	1:60:A:VAL:HG23	1:16:B:ILE:HD11	11	0.37
(1,565)	1:60:A:VAL:HG23	1:16:B:ILE:HD12	11	0.37
(1,565)	1:60:A:VAL:HG23	1:16:B:ILE:HD13	11	0.37
(1,504)	1:56:A:PRO:HG2	1:56:B:PRO:HA	10	0.37
(1,475)	1:51:A:PRO:HG2	1:52:A:MET:HG2	7	0.37
(1,475)	1:51:A:PRO:HG2	1:52:A:MET:HG3	7	0.37
(1,475)	1:51:A:PRO:HG3	1:52:A:MET:HG2	7	0.37
(1,475)	1:51:A:PRO:HG3	1:52:A:MET:HG3	7	0.37
(1,406)	1:44:A:HIS:HA	1:58:A:LEU:HD11	8	0.37
(1,406)	1:44:A:HIS:HA	1:58:A:LEU:HD12	8	0.37
(1,406)	1:44:A:HIS:HA	1:58:A:LEU:HD13	8	0.37
(1,406)	1:44:A:HIS:HA	1:58:A:LEU:HD21	8	0.37
(1,406)	1:44:A:HIS:HA	1:58:A:LEU:HD22	8	0.37
(1,406)	1:44:A:HIS:HA	1:58:A:LEU:HD23	8	0.37
(1,394)	1:43:A:MET:H	1:62:A:THR:HB	19	0.37
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG21	16	0.37
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG22	16	0.37
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG23	16	0.37
(1,363)	1:39:A:VAL:HG11	1:62:A:THR:HB	9	0.37
(1,363)	1:39:A:VAL:HG12	1:62:A:THR:HB	9	0.37
(1,363)	1:39:A:VAL:HG13	1:62:A:THR:HB	9	0.37
(1,363)	1:39:A:VAL:HG21	1:62:A:THR:HB	9	0.37
(1,363)	1:39:A:VAL:HG22	1:62:A:THR:HB	9	0.37
(1,363)	1:39:A:VAL:HG23	1:62:A:THR:HB	9	0.37
(1,314)	1:36:A:ALA:HA	1:64:B:VAL:HB	16	0.37
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB1	8	0.37
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB2	8	0.37
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB3	8	0.37
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB1	8	0.37
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB2	8	0.37
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB3	8	0.37
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB1	8	0.37
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB2	8	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB3	8	0.37
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB1	8	0.37
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB2	8	0.37
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB3	8	0.37
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB1	8	0.37
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB2	8	0.37
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB3	8	0.37
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB1	8	0.37
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB2	8	0.37
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB3	8	0.37
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB1	20	0.37
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB2	20	0.37
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB3	20	0.37
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB1	20	0.37
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB2	20	0.37
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB3	20	0.37
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB1	20	0.37
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB2	20	0.37
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB3	20	0.37
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB1	20	0.37
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB2	20	0.37
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB3	20	0.37
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB1	20	0.37
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB2	20	0.37
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB3	20	0.37
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB1	20	0.37
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB2	20	0.37
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB3	20	0.37
(1,232)	1:29:A:PRO:HG2	1:30:A:ALA:H	10	0.37
(1,232)	1:29:A:PRO:HG3	1:30:A:ALA:H	10	0.37
(1,162)	1:19:A:GLN:HG2	1:21:A:TYR:HE1	18	0.37
(1,162)	1:19:A:GLN:HG2	1:21:A:TYR:HE2	18	0.37
(1,162)	1:19:A:GLN:HG3	1:21:A:TYR:HE1	18	0.37
(1,162)	1:19:A:GLN:HG3	1:21:A:TYR:HE2	18	0.37
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD11	8	0.37
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD12	8	0.37
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD13	8	0.37
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD21	8	0.37
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD22	8	0.37
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD23	8	0.37
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD11	8	0.37
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD12	8	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD13	8	0.37
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD21	8	0.37
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD22	8	0.37
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD23	8	0.37
(1,133)	1:16:A:ILE:HG21	1:60:B:VAL:HB	4	0.37
(1,133)	1:16:A:ILE:HG22	1:60:B:VAL:HB	4	0.37
(1,133)	1:16:A:ILE:HG23	1:60:B:VAL:HB	4	0.37
(1,113)	1:16:A:ILE:H	1:21:A:TYR:H	8	0.37
(1,112)	1:16:A:ILE:H	1:20:A:ASP:HA	5	0.37
(1,94)	1:15:A:ARG:HA	1:21:A:TYR:H	16	0.37
(1,94)	1:15:A:ARG:HA	1:21:A:TYR:H	17	0.37
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB1	14	0.37
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB2	14	0.37
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB3	14	0.37
(1,78)	1:14:A:VAL:H	1:22:A:THR:HG21	9	0.37
(1,78)	1:14:A:VAL:H	1:22:A:THR:HG22	9	0.37
(1,78)	1:14:A:VAL:H	1:22:A:THR:HG23	9	0.37
(1,53)	1:12:A:VAL:H	1:25:A:GLY:H	17	0.37
(1,52)	1:12:A:VAL:H	1:24:A:VAL:HA	9	0.37
(1,42)	1:11:A:ARG:HA	1:25:A:GLY:H	17	0.37
(1,40)	1:11:A:ARG:HA	1:24:A:VAL:HA	17	0.37
(1,35)	1:11:A:ARG:H	1:24:A:VAL:HA	15	0.37
(1,1770)	1:84:B:LEU:HD11	1:85:B:LYS:HA	11	0.36
(1,1770)	1:84:B:LEU:HD12	1:85:B:LYS:HA	11	0.36
(1,1770)	1:84:B:LEU:HD13	1:85:B:LYS:HA	11	0.36
(1,1770)	1:84:B:LEU:HD21	1:85:B:LYS:HA	11	0.36
(1,1770)	1:84:B:LEU:HD22	1:85:B:LYS:HA	11	0.36
(1,1770)	1:84:B:LEU:HD23	1:85:B:LYS:HA	11	0.36
(1,1674)	1:77:B:TYR:HA	1:80:B:LEU:HB2	10	0.36
(1,1674)	1:77:B:TYR:HA	1:80:B:LEU:HB3	10	0.36
(1,1613)	1:73:B:LEU:HD11	1:74:B:LYS:H	5	0.36
(1,1613)	1:73:B:LEU:HD12	1:74:B:LYS:H	5	0.36
(1,1613)	1:73:B:LEU:HD13	1:74:B:LYS:H	5	0.36
(1,1613)	1:73:B:LEU:HD21	1:74:B:LYS:H	5	0.36
(1,1613)	1:73:B:LEU:HD22	1:74:B:LYS:H	5	0.36
(1,1613)	1:73:B:LEU:HD23	1:74:B:LYS:H	5	0.36
(1,1612)	1:73:B:LEU:HD21	1:74:B:LYS:HA	12	0.36
(1,1612)	1:73:B:LEU:HD22	1:74:B:LYS:HA	12	0.36
(1,1612)	1:73:B:LEU:HD23	1:74:B:LYS:HA	12	0.36
(1,1576)	1:71:B:LEU:HA	1:74:B:LYS:HE2	10	0.36
(1,1576)	1:71:B:LEU:HA	1:74:B:LYS:HE3	10	0.36
(1,1539)	1:68:B:SER:H	1:71:B:LEU:HD11	11	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1539)	1:68:B:SER:H	1:71:B:LEU:HD12	11	0.36
(1,1539)	1:68:B:SER:H	1:71:B:LEU:HD13	11	0.36
(1,1539)	1:68:B:SER:H	1:71:B:LEU:HD21	11	0.36
(1,1539)	1:68:B:SER:H	1:71:B:LEU:HD22	11	0.36
(1,1539)	1:68:B:SER:H	1:71:B:LEU:HD23	11	0.36
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD11	12	0.36
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD12	12	0.36
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD13	12	0.36
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD21	12	0.36
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD22	12	0.36
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD23	12	0.36
(1,1374)	1:48:B:GLU:HG2	1:49:B:LYS:H	16	0.36
(1,1374)	1:48:B:GLU:HG3	1:49:B:LYS:H	16	0.36
(1,1374)	1:48:B:GLU:HG2	1:49:B:LYS:H	19	0.36
(1,1374)	1:48:B:GLU:HG3	1:49:B:LYS:H	19	0.36
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB1	12	0.36
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB2	12	0.36
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB3	12	0.36
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB1	20	0.36
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB2	20	0.36
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB3	20	0.36
(1,1042)	1:12:B:VAL:HG11	1:29:B:PRO:HA	3	0.36
(1,1042)	1:12:B:VAL:HG12	1:29:B:PRO:HA	3	0.36
(1,1042)	1:12:B:VAL:HG13	1:29:B:PRO:HA	3	0.36
(1,1042)	1:12:B:VAL:HG21	1:29:B:PRO:HA	3	0.36
(1,1042)	1:12:B:VAL:HG22	1:29:B:PRO:HA	3	0.36
(1,1042)	1:12:B:VAL:HG23	1:29:B:PRO:HA	3	0.36
(1,1003)	1:10:B:THR:H	1:25:B:GLY:H	1	0.36
(1,1003)	1:10:B:THR:H	1:25:B:GLY:H	10	0.36
(1,922)	1:80:A:LEU:HD11	1:82:A:GLU:H	1	0.36
(1,922)	1:80:A:LEU:HD12	1:82:A:GLU:H	1	0.36
(1,922)	1:80:A:LEU:HD13	1:82:A:GLU:H	1	0.36
(1,922)	1:80:A:LEU:HD21	1:82:A:GLU:H	1	0.36
(1,922)	1:80:A:LEU:HD22	1:82:A:GLU:H	1	0.36
(1,922)	1:80:A:LEU:HD23	1:82:A:GLU:H	1	0.36
(1,920)	1:80:A:LEU:HD11	1:81:A:ARG:HD2	9	0.36
(1,920)	1:80:A:LEU:HD11	1:81:A:ARG:HD3	9	0.36
(1,920)	1:80:A:LEU:HD12	1:81:A:ARG:HD2	9	0.36
(1,920)	1:80:A:LEU:HD12	1:81:A:ARG:HD3	9	0.36
(1,920)	1:80:A:LEU:HD13	1:81:A:ARG:HD2	9	0.36
(1,920)	1:80:A:LEU:HD13	1:81:A:ARG:HD3	9	0.36
(1,920)	1:80:A:LEU:HD21	1:81:A:ARG:HD2	9	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,920)	1:80:A:LEU:HD21	1:81:A:ARG:HD3	9	0.36
(1,920)	1:80:A:LEU:HD22	1:81:A:ARG:HD2	9	0.36
(1,920)	1:80:A:LEU:HD22	1:81:A:ARG:HD3	9	0.36
(1,920)	1:80:A:LEU:HD23	1:81:A:ARG:HD2	9	0.36
(1,920)	1:80:A:LEU:HD23	1:81:A:ARG:HD3	9	0.36
(1,920)	1:80:A:LEU:HD11	1:81:A:ARG:HD2	13	0.36
(1,920)	1:80:A:LEU:HD11	1:81:A:ARG:HD3	13	0.36
(1,920)	1:80:A:LEU:HD12	1:81:A:ARG:HD2	13	0.36
(1,920)	1:80:A:LEU:HD12	1:81:A:ARG:HD3	13	0.36
(1,920)	1:80:A:LEU:HD13	1:81:A:ARG:HD2	13	0.36
(1,920)	1:80:A:LEU:HD13	1:81:A:ARG:HD3	13	0.36
(1,920)	1:80:A:LEU:HD21	1:81:A:ARG:HD2	13	0.36
(1,920)	1:80:A:LEU:HD21	1:81:A:ARG:HD3	13	0.36
(1,920)	1:80:A:LEU:HD22	1:81:A:ARG:HD2	13	0.36
(1,920)	1:80:A:LEU:HD22	1:81:A:ARG:HD3	13	0.36
(1,920)	1:80:A:LEU:HD23	1:81:A:ARG:HD2	13	0.36
(1,920)	1:80:A:LEU:HD23	1:81:A:ARG:HD3	13	0.36
(1,913)	1:80:A:LEU:HD11	1:81:A:ARG:HA	11	0.36
(1,913)	1:80:A:LEU:HD12	1:81:A:ARG:HA	11	0.36
(1,913)	1:80:A:LEU:HD13	1:81:A:ARG:HA	11	0.36
(1,897)	1:79:A:ARG:HA	1:82:A:GLU:H	3	0.36
(1,875)	1:77:A:TYR:HE1	1:81:B:ARG:HD2	5	0.36
(1,875)	1:77:A:TYR:HE2	1:81:B:ARG:HD2	5	0.36
(1,875)	1:77:A:TYR:HE1	1:81:B:ARG:HD3	5	0.36
(1,875)	1:77:A:TYR:HE2	1:81:B:ARG:HD3	5	0.36
(1,747)	1:71:A:LEU:HA	1:74:A:LYS:HE2	6	0.36
(1,747)	1:71:A:LEU:HA	1:74:A:LYS:HE3	6	0.36
(1,747)	1:71:A:LEU:HA	1:74:A:LYS:HE2	7	0.36
(1,747)	1:71:A:LEU:HA	1:74:A:LYS:HE3	7	0.36
(1,665)	1:65:A:GLN:HG2	1:23:B:ILE:HD11	2	0.36
(1,665)	1:65:A:GLN:HG2	1:23:B:ILE:HD12	2	0.36
(1,665)	1:65:A:GLN:HG2	1:23:B:ILE:HD13	2	0.36
(1,665)	1:65:A:GLN:HG3	1:23:B:ILE:HD11	2	0.36
(1,665)	1:65:A:GLN:HG3	1:23:B:ILE:HD12	2	0.36
(1,665)	1:65:A:GLN:HG3	1:23:B:ILE:HD13	2	0.36
(1,665)	1:65:A:GLN:HG2	1:23:B:ILE:HD11	4	0.36
(1,665)	1:65:A:GLN:HG2	1:23:B:ILE:HD12	4	0.36
(1,665)	1:65:A:GLN:HG2	1:23:B:ILE:HD13	4	0.36
(1,665)	1:65:A:GLN:HG3	1:23:B:ILE:HD11	4	0.36
(1,665)	1:65:A:GLN:HG3	1:23:B:ILE:HD12	4	0.36
(1,665)	1:65:A:GLN:HG3	1:23:B:ILE:HD13	4	0.36
(1,662)	1:65:A:GLN:HB2	1:23:B:ILE:HG21	16	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,662)	1:65:A:GLN:HB2	1:23:B:ILE:HG22	16	0.36
(1,662)	1:65:A:GLN:HB2	1:23:B:ILE:HG23	16	0.36
(1,662)	1:65:A:GLN:HB3	1:23:B:ILE:HG21	16	0.36
(1,662)	1:65:A:GLN:HB3	1:23:B:ILE:HG22	16	0.36
(1,662)	1:65:A:GLN:HB3	1:23:B:ILE:HG23	16	0.36
(1,618)	1:63:A:ALA:HB1	1:62:B:THR:H	18	0.36
(1,618)	1:63:A:ALA:HB2	1:62:B:THR:H	18	0.36
(1,618)	1:63:A:ALA:HB3	1:62:B:THR:H	18	0.36
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG21	5	0.36
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG22	5	0.36
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG23	5	0.36
(1,588)	1:61:A:LEU:HA	1:65:A:GLN:H	14	0.36
(1,504)	1:56:A:PRO:HG2	1:56:B:PRO:HA	3	0.36
(1,433)	1:46:A:PHE:HD1	1:62:A:THR:HB	6	0.36
(1,433)	1:46:A:PHE:HD2	1:62:A:THR:HB	6	0.36
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB1	17	0.36
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB2	17	0.36
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB3	17	0.36
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB1	17	0.36
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB2	17	0.36
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB3	17	0.36
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB1	17	0.36
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB2	17	0.36
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB3	17	0.36
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB1	17	0.36
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB2	17	0.36
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB3	17	0.36
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB1	17	0.36
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB2	17	0.36
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB3	17	0.36
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB1	17	0.36
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB2	17	0.36
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB3	17	0.36
(1,158)	1:19:A:GLN:HG3	1:52:B:MET:HG3	15	0.36
(1,113)	1:16:A:ILE:H	1:21:A:TYR:H	16	0.36
(1,57)	1:12:A:VAL:HB	1:25:A:GLY:H	3	0.36
(1,52)	1:12:A:VAL:H	1:24:A:VAL:HA	15	0.36
(1,40)	1:11:A:ARG:HA	1:24:A:VAL:HA	19	0.36
(1,35)	1:11:A:ARG:H	1:24:A:VAL:HA	10	0.36
(1,35)	1:11:A:ARG:H	1:24:A:VAL:HA	20	0.36
(1,24)	1:10:A:THR:H	1:26:A:ALA:HB1	8	0.36
(1,24)	1:10:A:THR:H	1:26:A:ALA:HB2	8	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24)	1:10:A:THR:H	1:26:A:ALA:HB3	8	0.36
(1,1746)	1:82:B:GLU:HA	1:85:B:LYS:HB2	10	0.35
(1,1746)	1:82:B:GLU:HA	1:85:B:LYS:HB3	10	0.35
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD11	3	0.35
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD12	3	0.35
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD13	3	0.35
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD21	3	0.35
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD22	3	0.35
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD23	3	0.35
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD11	3	0.35
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD12	3	0.35
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD13	3	0.35
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD21	3	0.35
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD22	3	0.35
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD23	3	0.35
(1,1514)	1:65:B:GLN:H	1:65:B:GLN:HG2	4	0.35
(1,1514)	1:65:B:GLN:H	1:65:B:GLN:HG3	4	0.35
(1,1514)	1:65:B:GLN:H	1:65:B:GLN:HG2	8	0.35
(1,1514)	1:65:B:GLN:H	1:65:B:GLN:HG3	8	0.35
(1,1514)	1:65:B:GLN:H	1:65:B:GLN:HG2	14	0.35
(1,1514)	1:65:B:GLN:H	1:65:B:GLN:HG3	14	0.35
(1,1514)	1:65:B:GLN:H	1:65:B:GLN:HG2	18	0.35
(1,1514)	1:65:B:GLN:H	1:65:B:GLN:HG3	18	0.35
(1,1475)	1:61:B:LEU:HA	1:65:B:GLN:H	3	0.35
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD11	16	0.35
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD12	16	0.35
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD13	16	0.35
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD21	16	0.35
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD22	16	0.35
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD23	16	0.35
(1,1304)	1:42:B:LYS:H	1:62:B:THR:HG21	6	0.35
(1,1304)	1:42:B:LYS:H	1:62:B:THR:HG22	6	0.35
(1,1304)	1:42:B:LYS:H	1:62:B:THR:HG23	6	0.35
(1,1290)	1:40:B:ASP:HA	1:43:B:MET:HB2	18	0.35
(1,1290)	1:40:B:ASP:HA	1:43:B:MET:HB3	18	0.35
(1,1279)	1:38:B:PHE:HE1	1:66:B:ILE:HG21	20	0.35
(1,1279)	1:38:B:PHE:HE1	1:66:B:ILE:HG22	20	0.35
(1,1279)	1:38:B:PHE:HE1	1:66:B:ILE:HG23	20	0.35
(1,1279)	1:38:B:PHE:HE2	1:66:B:ILE:HG21	20	0.35
(1,1279)	1:38:B:PHE:HE2	1:66:B:ILE:HG22	20	0.35
(1,1279)	1:38:B:PHE:HE2	1:66:B:ILE:HG23	20	0.35
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB1	1	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB2	1	0.35
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB3	1	0.35
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB1	1	0.35
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB2	1	0.35
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB3	1	0.35
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB1	1	0.35
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB2	1	0.35
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB3	1	0.35
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB1	1	0.35
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB2	1	0.35
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB3	1	0.35
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB1	1	0.35
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB2	1	0.35
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB3	1	0.35
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB1	1	0.35
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB2	1	0.35
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB3	1	0.35
(1,1201)	1:31:B:HIS:HA	1:34:B:LEU:HB2	15	0.35
(1,1201)	1:31:B:HIS:HA	1:34:B:LEU:HB3	15	0.35
(1,1033)	1:12:B:VAL:H	1:24:B:VAL:HA	7	0.35
(1,1023)	1:11:B:ARG:HA	1:25:B:GLY:H	6	0.35
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG11	15	0.35
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG12	15	0.35
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG13	15	0.35
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG21	15	0.35
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG22	15	0.35
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG23	15	0.35
(1,1005)	1:10:B:THR:H	1:26:B:ALA:HB1	8	0.35
(1,1005)	1:10:B:THR:H	1:26:B:ALA:HB2	8	0.35
(1,1005)	1:10:B:THR:H	1:26:B:ALA:HB3	8	0.35
(1,974)	1:84:A:LEU:HD11	1:85:A:LYS:HA	7	0.35
(1,974)	1:84:A:LEU:HD12	1:85:A:LYS:HA	7	0.35
(1,974)	1:84:A:LEU:HD13	1:85:A:LYS:HA	7	0.35
(1,974)	1:84:A:LEU:HD21	1:85:A:LYS:HA	7	0.35
(1,974)	1:84:A:LEU:HD22	1:85:A:LYS:HA	7	0.35
(1,974)	1:84:A:LEU:HD23	1:85:A:LYS:HA	7	0.35
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD11	5	0.35
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD12	5	0.35
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD13	5	0.35
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD21	5	0.35
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD22	5	0.35
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD23	5	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD11	5	0.35
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD12	5	0.35
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD13	5	0.35
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD21	5	0.35
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD22	5	0.35
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD23	5	0.35
(1,950)	1:82:A:GLU:HA	1:85:A:LYS:HB2	18	0.35
(1,950)	1:82:A:GLU:HA	1:85:A:LYS:HB3	18	0.35
(1,919)	1:80:A:LEU:HD11	1:81:A:ARG:HB2	20	0.35
(1,919)	1:80:A:LEU:HD11	1:81:A:ARG:HB3	20	0.35
(1,919)	1:80:A:LEU:HD12	1:81:A:ARG:HB2	20	0.35
(1,919)	1:80:A:LEU:HD12	1:81:A:ARG:HB3	20	0.35
(1,919)	1:80:A:LEU:HD13	1:81:A:ARG:HB2	20	0.35
(1,919)	1:80:A:LEU:HD13	1:81:A:ARG:HB3	20	0.35
(1,919)	1:80:A:LEU:HD21	1:81:A:ARG:HB2	20	0.35
(1,919)	1:80:A:LEU:HD21	1:81:A:ARG:HB3	20	0.35
(1,919)	1:80:A:LEU:HD22	1:81:A:ARG:HB2	20	0.35
(1,919)	1:80:A:LEU:HD22	1:81:A:ARG:HB3	20	0.35
(1,919)	1:80:A:LEU:HD23	1:81:A:ARG:HB2	20	0.35
(1,919)	1:80:A:LEU:HD23	1:81:A:ARG:HB3	20	0.35
(1,875)	1:77:A:TYR:HE1	1:81:B:ARG:HD2	3	0.35
(1,875)	1:77:A:TYR:HE2	1:81:B:ARG:HD2	3	0.35
(1,875)	1:77:A:TYR:HE1	1:81:B:ARG:HD3	3	0.35
(1,875)	1:77:A:TYR:HE2	1:81:B:ARG:HD3	3	0.35
(1,804)	1:73:A:LEU:HD11	1:77:A:TYR:H	18	0.35
(1,804)	1:73:A:LEU:HD12	1:77:A:TYR:H	18	0.35
(1,804)	1:73:A:LEU:HD13	1:77:A:TYR:H	18	0.35
(1,804)	1:73:A:LEU:HD21	1:77:A:TYR:H	18	0.35
(1,804)	1:73:A:LEU:HD22	1:77:A:TYR:H	18	0.35
(1,804)	1:73:A:LEU:HD23	1:77:A:TYR:H	18	0.35
(1,798)	1:73:A:LEU:HD11	1:74:A:LYS:H	18	0.35
(1,798)	1:73:A:LEU:HD12	1:74:A:LYS:H	18	0.35
(1,798)	1:73:A:LEU:HD13	1:74:A:LYS:H	18	0.35
(1,798)	1:73:A:LEU:HD21	1:74:A:LYS:H	18	0.35
(1,798)	1:73:A:LEU:HD22	1:74:A:LYS:H	18	0.35
(1,798)	1:73:A:LEU:HD23	1:74:A:LYS:H	18	0.35
(1,759)	1:71:A:LEU:HD11	1:38:B:PHE:HD1	9	0.35
(1,759)	1:71:A:LEU:HD11	1:38:B:PHE:HD2	9	0.35
(1,759)	1:71:A:LEU:HD12	1:38:B:PHE:HD1	9	0.35
(1,759)	1:71:A:LEU:HD12	1:38:B:PHE:HD2	9	0.35
(1,759)	1:71:A:LEU:HD13	1:38:B:PHE:HD1	9	0.35
(1,759)	1:71:A:LEU:HD13	1:38:B:PHE:HD2	9	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,759)	1:71:A:LEU:HD21	1:38:B:PHE:HD1	9	0.35
(1,759)	1:71:A:LEU:HD21	1:38:B:PHE:HD2	9	0.35
(1,759)	1:71:A:LEU:HD22	1:38:B:PHE:HD1	9	0.35
(1,759)	1:71:A:LEU:HD22	1:38:B:PHE:HD2	9	0.35
(1,759)	1:71:A:LEU:HD23	1:38:B:PHE:HD1	9	0.35
(1,759)	1:71:A:LEU:HD23	1:38:B:PHE:HD2	9	0.35
(1,750)	1:71:A:LEU:HA	1:75:A:GLU:HB2	13	0.35
(1,750)	1:71:A:LEU:HA	1:75:A:GLU:HB3	13	0.35
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG21	13	0.35
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG22	13	0.35
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG23	13	0.35
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG21	2	0.35
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG22	2	0.35
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG23	2	0.35
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD11	6	0.35
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD12	6	0.35
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD13	6	0.35
(1,599)	1:62:A:THR:H	1:63:B:ALA:HB1	18	0.35
(1,599)	1:62:A:THR:H	1:63:B:ALA:HB2	18	0.35
(1,599)	1:62:A:THR:H	1:63:B:ALA:HB3	18	0.35
(1,599)	1:62:A:THR:H	1:63:B:ALA:HB1	19	0.35
(1,599)	1:62:A:THR:H	1:63:B:ALA:HB2	19	0.35
(1,599)	1:62:A:THR:H	1:63:B:ALA:HB3	19	0.35
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD11	19	0.35
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD12	19	0.35
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD13	19	0.35
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD21	19	0.35
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD22	19	0.35
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD23	19	0.35
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD11	8	0.35
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD12	8	0.35
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD13	8	0.35
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD21	8	0.35
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD22	8	0.35
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD23	8	0.35
(1,449)	1:48:A:GLU:HG2	1:49:A:LYS:H	19	0.35
(1,449)	1:48:A:GLU:HG3	1:49:A:LYS:H	19	0.35
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG21	19	0.35
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG22	19	0.35
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG23	19	0.35
(1,363)	1:39:A:VAL:HG11	1:62:A:THR:HB	18	0.35
(1,363)	1:39:A:VAL:HG12	1:62:A:THR:HB	18	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,363)	1:39:A:VAL:HG13	1:62:A:THR:HB	18	0.35
(1,363)	1:39:A:VAL:HG21	1:62:A:THR:HB	18	0.35
(1,363)	1:39:A:VAL:HG22	1:62:A:THR:HB	18	0.35
(1,363)	1:39:A:VAL:HG23	1:62:A:THR:HB	18	0.35
(1,176)	1:21:A:TYR:HD1	1:52:B:MET:HG2	16	0.35
(1,176)	1:21:A:TYR:HD1	1:52:B:MET:HG3	16	0.35
(1,176)	1:21:A:TYR:HD2	1:52:B:MET:HG2	16	0.35
(1,176)	1:21:A:TYR:HD2	1:52:B:MET:HG3	16	0.35
(1,152)	1:19:A:GLN:H	1:21:A:TYR:HE1	7	0.35
(1,152)	1:19:A:GLN:H	1:21:A:TYR:HE2	7	0.35
(1,132)	1:16:A:ILE:HG21	1:21:A:TYR:HE1	8	0.35
(1,132)	1:16:A:ILE:HG21	1:21:A:TYR:HE2	8	0.35
(1,132)	1:16:A:ILE:HG22	1:21:A:TYR:HE1	8	0.35
(1,132)	1:16:A:ILE:HG22	1:21:A:TYR:HE2	8	0.35
(1,132)	1:16:A:ILE:HG23	1:21:A:TYR:HE1	8	0.35
(1,132)	1:16:A:ILE:HG23	1:21:A:TYR:HE2	8	0.35
(1,99)	1:15:A:ARG:HG3	1:19:A:GLN:H	9	0.35
(1,94)	1:15:A:ARG:HA	1:21:A:TYR:H	10	0.35
(1,53)	1:12:A:VAL:H	1:25:A:GLY:H	5	0.35
(1,1770)	1:84:B:LEU:HD11	1:85:B:LYS:HA	13	0.34
(1,1770)	1:84:B:LEU:HD12	1:85:B:LYS:HA	13	0.34
(1,1770)	1:84:B:LEU:HD13	1:85:B:LYS:HA	13	0.34
(1,1770)	1:84:B:LEU:HD21	1:85:B:LYS:HA	13	0.34
(1,1770)	1:84:B:LEU:HD22	1:85:B:LYS:HA	13	0.34
(1,1770)	1:84:B:LEU:HD23	1:85:B:LYS:HA	13	0.34
(1,1664)	1:76:B:GLU:HA	1:79:B:ARG:HG2	11	0.34
(1,1664)	1:76:B:GLU:HA	1:79:B:ARG:HG3	11	0.34
(1,1514)	1:65:B:GLN:H	1:65:B:GLN:HG2	5	0.34
(1,1514)	1:65:B:GLN:H	1:65:B:GLN:HG3	5	0.34
(1,1514)	1:65:B:GLN:H	1:65:B:GLN:HG2	19	0.34
(1,1514)	1:65:B:GLN:H	1:65:B:GLN:HG3	19	0.34
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD11	9	0.34
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD12	9	0.34
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD13	9	0.34
(1,1369)	1:48:B:GLU:H	1:48:B:GLU:HG2	10	0.34
(1,1369)	1:48:B:GLU:H	1:48:B:GLU:HG3	10	0.34
(1,1369)	1:48:B:GLU:H	1:48:B:GLU:HG2	19	0.34
(1,1369)	1:48:B:GLU:H	1:48:B:GLU:HG3	19	0.34
(1,1357)	1:46:B:PHE:HD1	1:62:B:THR:H	15	0.34
(1,1357)	1:46:B:PHE:HD2	1:62:B:THR:H	15	0.34
(1,1353)	1:46:B:PHE:HB2	1:58:B:LEU:HG	6	0.34
(1,1353)	1:46:B:PHE:HB3	1:58:B:LEU:HG	6	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD11	13	0.34
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD12	13	0.34
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD13	13	0.34
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD21	13	0.34
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD22	13	0.34
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD23	13	0.34
(1,1255)	1:35:B:VAL:HG11	1:38:B:PHE:HD1	1	0.34
(1,1255)	1:35:B:VAL:HG11	1:38:B:PHE:HD2	1	0.34
(1,1255)	1:35:B:VAL:HG12	1:38:B:PHE:HD1	1	0.34
(1,1255)	1:35:B:VAL:HG12	1:38:B:PHE:HD2	1	0.34
(1,1255)	1:35:B:VAL:HG13	1:38:B:PHE:HD1	1	0.34
(1,1255)	1:35:B:VAL:HG13	1:38:B:PHE:HD2	1	0.34
(1,1255)	1:35:B:VAL:HG21	1:38:B:PHE:HD1	1	0.34
(1,1255)	1:35:B:VAL:HG21	1:38:B:PHE:HD2	1	0.34
(1,1255)	1:35:B:VAL:HG22	1:38:B:PHE:HD1	1	0.34
(1,1255)	1:35:B:VAL:HG22	1:38:B:PHE:HD2	1	0.34
(1,1255)	1:35:B:VAL:HG23	1:38:B:PHE:HD1	1	0.34
(1,1255)	1:35:B:VAL:HG23	1:38:B:PHE:HD2	1	0.34
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB1	3	0.34
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB2	3	0.34
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB3	3	0.34
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB1	3	0.34
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB2	3	0.34
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB3	3	0.34
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB1	3	0.34
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB2	3	0.34
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB3	3	0.34
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB1	3	0.34
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB2	3	0.34
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB3	3	0.34
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB1	3	0.34
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB2	3	0.34
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB3	3	0.34
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB1	3	0.34
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB2	3	0.34
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB3	3	0.34
(1,1178)	1:27:B:GLU:H	1:27:B:GLU:HG2	17	0.34
(1,1178)	1:27:B:GLU:H	1:27:B:GLU:HG3	17	0.34
(1,1093)	1:16:B:ILE:H	1:20:B:ASP:HA	10	0.34
(1,1045)	1:12:B:VAL:HG11	1:33:B:ARG:HA	1	0.34
(1,1045)	1:12:B:VAL:HG12	1:33:B:ARG:HA	1	0.34
(1,1045)	1:12:B:VAL:HG13	1:33:B:ARG:HA	1	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1045)	1:12:B:VAL:HG21	1:33:B:ARG:HA	1	0.34
(1,1045)	1:12:B:VAL:HG22	1:33:B:ARG:HA	1	0.34
(1,1045)	1:12:B:VAL:HG23	1:33:B:ARG:HA	1	0.34
(1,1021)	1:11:B:ARG:HA	1:24:B:VAL:HA	2	0.34
(1,1021)	1:11:B:ARG:HA	1:24:B:VAL:HA	6	0.34
(1,1021)	1:11:B:ARG:HA	1:24:B:VAL:HA	7	0.34
(1,1004)	1:10:B:THR:H	1:26:B:ALA:HA	17	0.34
(1,974)	1:84:A:LEU:HD11	1:85:A:LYS:HA	4	0.34
(1,974)	1:84:A:LEU:HD12	1:85:A:LYS:HA	4	0.34
(1,974)	1:84:A:LEU:HD13	1:85:A:LYS:HA	4	0.34
(1,974)	1:84:A:LEU:HD21	1:85:A:LYS:HA	4	0.34
(1,974)	1:84:A:LEU:HD22	1:85:A:LYS:HA	4	0.34
(1,974)	1:84:A:LEU:HD23	1:85:A:LYS:HA	4	0.34
(1,938)	1:81:A:ARG:HG3	1:77:B:TYR:HE1	18	0.34
(1,938)	1:81:A:ARG:HG3	1:77:B:TYR:HE2	18	0.34
(1,857)	1:76:A:GLU:HG2	1:77:B:TYR:HE1	18	0.34
(1,857)	1:76:A:GLU:HG2	1:77:B:TYR:HE2	18	0.34
(1,857)	1:76:A:GLU:HG3	1:77:B:TYR:HE1	18	0.34
(1,857)	1:76:A:GLU:HG3	1:77:B:TYR:HE2	18	0.34
(1,816)	1:74:A:LYS:HB2	1:73:B:LEU:HD11	11	0.34
(1,816)	1:74:A:LYS:HB2	1:73:B:LEU:HD12	11	0.34
(1,816)	1:74:A:LYS:HB2	1:73:B:LEU:HD13	11	0.34
(1,805)	1:73:A:LEU:HD11	1:77:A:TYR:HB2	18	0.34
(1,805)	1:73:A:LEU:HD11	1:77:A:TYR:HB3	18	0.34
(1,805)	1:73:A:LEU:HD12	1:77:A:TYR:HB2	18	0.34
(1,805)	1:73:A:LEU:HD12	1:77:A:TYR:HB3	18	0.34
(1,805)	1:73:A:LEU:HD13	1:77:A:TYR:HB2	18	0.34
(1,805)	1:73:A:LEU:HD13	1:77:A:TYR:HB3	18	0.34
(1,805)	1:73:A:LEU:HD21	1:77:A:TYR:HB2	18	0.34
(1,805)	1:73:A:LEU:HD21	1:77:A:TYR:HB3	18	0.34
(1,805)	1:73:A:LEU:HD22	1:77:A:TYR:HB2	18	0.34
(1,805)	1:73:A:LEU:HD22	1:77:A:TYR:HB3	18	0.34
(1,805)	1:73:A:LEU:HD23	1:77:A:TYR:HB2	18	0.34
(1,805)	1:73:A:LEU:HD23	1:77:A:TYR:HB3	18	0.34
(1,804)	1:73:A:LEU:HD11	1:77:A:TYR:H	2	0.34
(1,804)	1:73:A:LEU:HD12	1:77:A:TYR:H	2	0.34
(1,804)	1:73:A:LEU:HD13	1:77:A:TYR:H	2	0.34
(1,804)	1:73:A:LEU:HD21	1:77:A:TYR:H	2	0.34
(1,804)	1:73:A:LEU:HD22	1:77:A:TYR:H	2	0.34
(1,804)	1:73:A:LEU:HD23	1:77:A:TYR:H	2	0.34
(1,799)	1:73:A:LEU:HD11	1:74:A:LYS:HA	20	0.34
(1,799)	1:73:A:LEU:HD12	1:74:A:LYS:HA	20	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,799)	1:73:A:LEU:HD13	1:74:A:LYS:HA	20	0.34
(1,799)	1:73:A:LEU:HD21	1:74:A:LYS:HA	20	0.34
(1,799)	1:73:A:LEU:HD22	1:74:A:LYS:HA	20	0.34
(1,799)	1:73:A:LEU:HD23	1:74:A:LYS:HA	20	0.34
(1,790)	1:73:A:LEU:HG	1:74:B:LYS:HE2	2	0.34
(1,790)	1:73:A:LEU:HG	1:74:B:LYS:HE3	2	0.34
(1,765)	1:72:A:LYS:H	1:27:B:GLU:HB2	6	0.34
(1,765)	1:72:A:LYS:H	1:27:B:GLU:HB3	6	0.34
(1,764)	1:71:A:LEU:HD11	1:74:A:LYS:HE2	10	0.34
(1,764)	1:71:A:LEU:HD11	1:74:A:LYS:HE3	10	0.34
(1,764)	1:71:A:LEU:HD12	1:74:A:LYS:HE2	10	0.34
(1,764)	1:71:A:LEU:HD12	1:74:A:LYS:HE3	10	0.34
(1,764)	1:71:A:LEU:HD13	1:74:A:LYS:HE2	10	0.34
(1,764)	1:71:A:LEU:HD13	1:74:A:LYS:HE3	10	0.34
(1,764)	1:71:A:LEU:HD21	1:74:A:LYS:HE2	10	0.34
(1,764)	1:71:A:LEU:HD21	1:74:A:LYS:HE3	10	0.34
(1,764)	1:71:A:LEU:HD22	1:74:A:LYS:HE2	10	0.34
(1,764)	1:71:A:LEU:HD22	1:74:A:LYS:HE3	10	0.34
(1,764)	1:71:A:LEU:HD23	1:74:A:LYS:HE2	10	0.34
(1,764)	1:71:A:LEU:HD23	1:74:A:LYS:HE3	10	0.34
(1,760)	1:71:A:LEU:HD11	1:70:B:TYR:HD1	16	0.34
(1,760)	1:71:A:LEU:HD11	1:70:B:TYR:HD2	16	0.34
(1,760)	1:71:A:LEU:HD12	1:70:B:TYR:HD1	16	0.34
(1,760)	1:71:A:LEU:HD12	1:70:B:TYR:HD2	16	0.34
(1,760)	1:71:A:LEU:HD13	1:70:B:TYR:HD1	16	0.34
(1,760)	1:71:A:LEU:HD13	1:70:B:TYR:HD2	16	0.34
(1,760)	1:71:A:LEU:HD21	1:70:B:TYR:HD1	16	0.34
(1,760)	1:71:A:LEU:HD21	1:70:B:TYR:HD2	16	0.34
(1,760)	1:71:A:LEU:HD22	1:70:B:TYR:HD1	16	0.34
(1,760)	1:71:A:LEU:HD22	1:70:B:TYR:HD2	16	0.34
(1,760)	1:71:A:LEU:HD23	1:70:B:TYR:HD1	16	0.34
(1,760)	1:71:A:LEU:HD23	1:70:B:TYR:HD2	16	0.34
(1,750)	1:71:A:LEU:HA	1:75:A:GLU:HB2	19	0.34
(1,750)	1:71:A:LEU:HA	1:75:A:GLU:HB3	19	0.34
(1,750)	1:71:A:LEU:HA	1:75:A:GLU:HB2	20	0.34
(1,750)	1:71:A:LEU:HA	1:75:A:GLU:HB3	20	0.34
(1,747)	1:71:A:LEU:HA	1:74:A:LYS:HE2	3	0.34
(1,747)	1:71:A:LEU:HA	1:74:A:LYS:HE3	3	0.34
(1,733)	1:70:A:TYR:HD1	1:73:A:LEU:HD11	16	0.34
(1,733)	1:70:A:TYR:HD1	1:73:A:LEU:HD12	16	0.34
(1,733)	1:70:A:TYR:HD1	1:73:A:LEU:HD13	16	0.34
(1,733)	1:70:A:TYR:HD1	1:73:A:LEU:HD21	16	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,733)	1:70:A:TYR:HD1	1:73:A:LEU:HD22	16	0.34
(1,733)	1:70:A:TYR:HD1	1:73:A:LEU:HD23	16	0.34
(1,733)	1:70:A:TYR:HD2	1:73:A:LEU:HD11	16	0.34
(1,733)	1:70:A:TYR:HD2	1:73:A:LEU:HD12	16	0.34
(1,733)	1:70:A:TYR:HD2	1:73:A:LEU:HD13	16	0.34
(1,733)	1:70:A:TYR:HD2	1:73:A:LEU:HD21	16	0.34
(1,733)	1:70:A:TYR:HD2	1:73:A:LEU:HD22	16	0.34
(1,733)	1:70:A:TYR:HD2	1:73:A:LEU:HD23	16	0.34
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD11	8	0.34
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD12	8	0.34
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD13	8	0.34
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD21	8	0.34
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD22	8	0.34
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD23	8	0.34
(1,724)	1:70:A:TYR:HA	1:73:A:LEU:HG	2	0.34
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB1	5	0.34
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB2	5	0.34
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB3	5	0.34
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB1	5	0.34
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB2	5	0.34
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB3	5	0.34
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB1	5	0.34
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB2	5	0.34
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB3	5	0.34
(1,665)	1:65:A:GLN:HG2	1:23:B:ILE:HD11	17	0.34
(1,665)	1:65:A:GLN:HG2	1:23:B:ILE:HD12	17	0.34
(1,665)	1:65:A:GLN:HG2	1:23:B:ILE:HD13	17	0.34
(1,665)	1:65:A:GLN:HG3	1:23:B:ILE:HD11	17	0.34
(1,665)	1:65:A:GLN:HG3	1:23:B:ILE:HD12	17	0.34
(1,665)	1:65:A:GLN:HG3	1:23:B:ILE:HD13	17	0.34
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG21	8	0.34
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG22	8	0.34
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG23	8	0.34
(1,656)	1:65:A:GLN:H	1:65:A:GLN:HG2	7	0.34
(1,656)	1:65:A:GLN:H	1:65:A:GLN:HG3	7	0.34
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD11	2	0.34
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD12	2	0.34
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD13	2	0.34
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD11	10	0.34
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD12	10	0.34
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD13	10	0.34
(1,559)	1:60:A:VAL:HB	1:16:B:ILE:HG21	20	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,559)	1:60:A:VAL:HB	1:16:B:ILE:HG22	20	0.34
(1,559)	1:60:A:VAL:HB	1:16:B:ILE:HG23	20	0.34
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG21	13	0.34
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG22	13	0.34
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG23	13	0.34
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB1	15	0.34
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB2	15	0.34
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB3	15	0.34
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB1	15	0.34
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB2	15	0.34
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB3	15	0.34
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB1	15	0.34
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB2	15	0.34
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB3	15	0.34
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB1	15	0.34
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB2	15	0.34
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB3	15	0.34
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB1	15	0.34
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB2	15	0.34
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB3	15	0.34
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB1	15	0.34
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB2	15	0.34
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB3	15	0.34
(1,286)	1:34:A:LEU:HD21	1:71:B:LEU:HD11	10	0.34
(1,286)	1:34:A:LEU:HD21	1:71:B:LEU:HD12	10	0.34
(1,286)	1:34:A:LEU:HD21	1:71:B:LEU:HD13	10	0.34
(1,286)	1:34:A:LEU:HD22	1:71:B:LEU:HD11	10	0.34
(1,286)	1:34:A:LEU:HD22	1:71:B:LEU:HD12	10	0.34
(1,286)	1:34:A:LEU:HD22	1:71:B:LEU:HD13	10	0.34
(1,286)	1:34:A:LEU:HD23	1:71:B:LEU:HD11	10	0.34
(1,286)	1:34:A:LEU:HD23	1:71:B:LEU:HD12	10	0.34
(1,286)	1:34:A:LEU:HD23	1:71:B:LEU:HD13	10	0.34
(1,262)	1:32:A:ILE:HG12	1:33:A:ARG:HB2	14	0.34
(1,262)	1:32:A:ILE:HG12	1:33:A:ARG:HB3	14	0.34
(1,262)	1:32:A:ILE:HG13	1:33:A:ARG:HB2	14	0.34
(1,262)	1:32:A:ILE:HG13	1:33:A:ARG:HB3	14	0.34
(1,261)	1:32:A:ILE:HG12	1:33:A:ARG:HA	5	0.34
(1,261)	1:32:A:ILE:HG13	1:33:A:ARG:HA	5	0.34
(1,207)	1:23:A:ILE:HG21	1:65:B:GLN:HA	12	0.34
(1,207)	1:23:A:ILE:HG22	1:65:B:GLN:HA	12	0.34
(1,207)	1:23:A:ILE:HG23	1:65:B:GLN:HA	12	0.34
(1,158)	1:19:A:GLN:HG3	1:52:B:MET:HG3	10	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,132)	1:16:A:ILE:HG21	1:21:A:TYR:HE1	10	0.34
(1,132)	1:16:A:ILE:HG21	1:21:A:TYR:HE2	10	0.34
(1,132)	1:16:A:ILE:HG22	1:21:A:TYR:HE1	10	0.34
(1,132)	1:16:A:ILE:HG22	1:21:A:TYR:HE2	10	0.34
(1,132)	1:16:A:ILE:HG23	1:21:A:TYR:HE1	10	0.34
(1,132)	1:16:A:ILE:HG23	1:21:A:TYR:HE2	10	0.34
(1,132)	1:16:A:ILE:HG21	1:21:A:TYR:HE1	13	0.34
(1,132)	1:16:A:ILE:HG21	1:21:A:TYR:HE2	13	0.34
(1,132)	1:16:A:ILE:HG22	1:21:A:TYR:HE1	13	0.34
(1,132)	1:16:A:ILE:HG22	1:21:A:TYR:HE2	13	0.34
(1,132)	1:16:A:ILE:HG23	1:21:A:TYR:HE1	13	0.34
(1,132)	1:16:A:ILE:HG23	1:21:A:TYR:HE2	13	0.34
(1,99)	1:15:A:ARG:HG3	1:19:A:GLN:H	1	0.34
(1,85)	1:14:A:VAL:HG11	1:33:A:ARG:H	9	0.34
(1,85)	1:14:A:VAL:HG12	1:33:A:ARG:H	9	0.34
(1,85)	1:14:A:VAL:HG13	1:33:A:ARG:H	9	0.34
(1,85)	1:14:A:VAL:HG21	1:33:A:ARG:H	9	0.34
(1,85)	1:14:A:VAL:HG22	1:33:A:ARG:H	9	0.34
(1,85)	1:14:A:VAL:HG23	1:33:A:ARG:H	9	0.34
(1,53)	1:12:A:VAL:H	1:25:A:GLY:H	18	0.34
(1,40)	1:11:A:ARG:HA	1:24:A:VAL:HA	7	0.34
(1,40)	1:11:A:ARG:HA	1:24:A:VAL:HA	13	0.34
(1,30)	1:10:A:THR:HG21	1:12:A:VAL:HB	3	0.34
(1,30)	1:10:A:THR:HG22	1:12:A:VAL:HB	3	0.34
(1,30)	1:10:A:THR:HG23	1:12:A:VAL:HB	3	0.34
(1,1745)	1:82:B:GLU:HA	1:85:B:LYS:H	7	0.33
(1,1674)	1:77:B:TYR:HA	1:80:B:LEU:HB2	19	0.33
(1,1674)	1:77:B:TYR:HA	1:80:B:LEU:HB3	19	0.33
(1,1673)	1:77:B:TYR:HA	1:80:B:LEU:H	13	0.33
(1,1595)	1:72:B:LYS:HA	1:75:B:GLU:HG2	11	0.33
(1,1595)	1:72:B:LYS:HA	1:75:B:GLU:HG3	11	0.33
(1,1579)	1:71:B:LEU:HA	1:75:B:GLU:HB2	2	0.33
(1,1579)	1:71:B:LEU:HA	1:75:B:GLU:HB3	2	0.33
(1,1563)	1:70:B:TYR:HA	1:73:B:LEU:HG	5	0.33
(1,1514)	1:65:B:GLN:H	1:65:B:GLN:HG2	7	0.33
(1,1514)	1:65:B:GLN:H	1:65:B:GLN:HG3	7	0.33
(1,1514)	1:65:B:GLN:H	1:65:B:GLN:HG2	10	0.33
(1,1514)	1:65:B:GLN:H	1:65:B:GLN:HG3	10	0.33
(1,1514)	1:65:B:GLN:H	1:65:B:GLN:HG2	11	0.33
(1,1514)	1:65:B:GLN:H	1:65:B:GLN:HG3	11	0.33
(1,1473)	1:61:B:LEU:HA	1:64:B:VAL:HB	15	0.33
(1,1459)	1:60:B:VAL:HB	1:63:B:ALA:HB1	7	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1459)	1:60:B:VAL:HB	1:63:B:ALA:HB2	7	0.33
(1,1459)	1:60:B:VAL:HB	1:63:B:ALA:HB3	7	0.33
(1,1374)	1:48:B:GLU:HG2	1:49:B:LYS:H	14	0.33
(1,1374)	1:48:B:GLU:HG3	1:49:B:LYS:H	14	0.33
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD11	14	0.33
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD12	14	0.33
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD13	14	0.33
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD21	14	0.33
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD22	14	0.33
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD23	14	0.33
(1,1138)	1:20:B:ASP:H	1:21:B:TYR:HE1	7	0.33
(1,1138)	1:20:B:ASP:H	1:21:B:TYR:HE2	7	0.33
(1,1094)	1:16:B:ILE:H	1:21:B:TYR:H	9	0.33
(1,1094)	1:16:B:ILE:H	1:21:B:TYR:H	11	0.33
(1,1093)	1:16:B:ILE:H	1:20:B:ASP:HA	5	0.33
(1,1066)	1:14:B:VAL:HG11	1:33:B:ARG:H	10	0.33
(1,1066)	1:14:B:VAL:HG12	1:33:B:ARG:H	10	0.33
(1,1066)	1:14:B:VAL:HG13	1:33:B:ARG:H	10	0.33
(1,1066)	1:14:B:VAL:HG21	1:33:B:ARG:H	10	0.33
(1,1066)	1:14:B:VAL:HG22	1:33:B:ARG:H	10	0.33
(1,1066)	1:14:B:VAL:HG23	1:33:B:ARG:H	10	0.33
(1,1042)	1:12:B:VAL:HG11	1:29:B:PRO:HA	7	0.33
(1,1042)	1:12:B:VAL:HG12	1:29:B:PRO:HA	7	0.33
(1,1042)	1:12:B:VAL:HG13	1:29:B:PRO:HA	7	0.33
(1,1042)	1:12:B:VAL:HG21	1:29:B:PRO:HA	7	0.33
(1,1042)	1:12:B:VAL:HG22	1:29:B:PRO:HA	7	0.33
(1,1042)	1:12:B:VAL:HG23	1:29:B:PRO:HA	7	0.33
(1,1038)	1:12:B:VAL:HB	1:25:B:GLY:H	12	0.33
(1,1038)	1:12:B:VAL:HB	1:25:B:GLY:H	15	0.33
(1,1034)	1:12:B:VAL:H	1:25:B:GLY:H	9	0.33
(1,1033)	1:12:B:VAL:H	1:24:B:VAL:HA	16	0.33
(1,1023)	1:11:B:ARG:HA	1:25:B:GLY:H	20	0.33
(1,1021)	1:11:B:ARG:HA	1:24:B:VAL:HA	1	0.33
(1,1016)	1:11:B:ARG:H	1:24:B:VAL:HA	15	0.33
(1,1010)	1:10:B:THR:HG21	1:12:B:VAL:HA	16	0.33
(1,1010)	1:10:B:THR:HG22	1:12:B:VAL:HA	16	0.33
(1,1010)	1:10:B:THR:HG23	1:12:B:VAL:HA	16	0.33
(1,1003)	1:10:B:THR:H	1:25:B:GLY:H	17	0.33
(1,922)	1:80:A:LEU:HD11	1:82:A:GLU:H	12	0.33
(1,922)	1:80:A:LEU:HD12	1:82:A:GLU:H	12	0.33
(1,922)	1:80:A:LEU:HD13	1:82:A:GLU:H	12	0.33
(1,922)	1:80:A:LEU:HD21	1:82:A:GLU:H	12	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,922)	1:80:A:LEU:HD22	1:82:A:GLU:H	12	0.33
(1,922)	1:80:A:LEU:HD23	1:82:A:GLU:H	12	0.33
(1,919)	1:80:A:LEU:HD11	1:81:A:ARG:HB2	10	0.33
(1,919)	1:80:A:LEU:HD11	1:81:A:ARG:HB3	10	0.33
(1,919)	1:80:A:LEU:HD12	1:81:A:ARG:HB2	10	0.33
(1,919)	1:80:A:LEU:HD12	1:81:A:ARG:HB3	10	0.33
(1,919)	1:80:A:LEU:HD13	1:81:A:ARG:HB2	10	0.33
(1,919)	1:80:A:LEU:HD13	1:81:A:ARG:HB3	10	0.33
(1,919)	1:80:A:LEU:HD21	1:81:A:ARG:HB2	10	0.33
(1,919)	1:80:A:LEU:HD21	1:81:A:ARG:HB3	10	0.33
(1,919)	1:80:A:LEU:HD22	1:81:A:ARG:HB2	10	0.33
(1,919)	1:80:A:LEU:HD22	1:81:A:ARG:HB3	10	0.33
(1,919)	1:80:A:LEU:HD23	1:81:A:ARG:HB2	10	0.33
(1,919)	1:80:A:LEU:HD23	1:81:A:ARG:HB3	10	0.33
(1,913)	1:80:A:LEU:HD11	1:81:A:ARG:HA	12	0.33
(1,913)	1:80:A:LEU:HD12	1:81:A:ARG:HA	12	0.33
(1,913)	1:80:A:LEU:HD13	1:81:A:ARG:HA	12	0.33
(1,845)	1:75:A:GLU:HG2	1:76:A:GLU:HA	15	0.33
(1,845)	1:75:A:GLU:HG3	1:76:A:GLU:HA	15	0.33
(1,795)	1:73:A:LEU:HD21	1:74:A:LYS:HA	2	0.33
(1,795)	1:73:A:LEU:HD22	1:74:A:LYS:HA	2	0.33
(1,795)	1:73:A:LEU:HD23	1:74:A:LYS:HA	2	0.33
(1,795)	1:73:A:LEU:HD21	1:74:A:LYS:HA	7	0.33
(1,795)	1:73:A:LEU:HD22	1:74:A:LYS:HA	7	0.33
(1,795)	1:73:A:LEU:HD23	1:74:A:LYS:HA	7	0.33
(1,795)	1:73:A:LEU:HD21	1:74:A:LYS:HA	10	0.33
(1,795)	1:73:A:LEU:HD22	1:74:A:LYS:HA	10	0.33
(1,795)	1:73:A:LEU:HD23	1:74:A:LYS:HA	10	0.33
(1,765)	1:72:A:LYS:H	1:27:B:GLU:HB2	19	0.33
(1,765)	1:72:A:LYS:H	1:27:B:GLU:HB3	19	0.33
(1,760)	1:71:A:LEU:HD11	1:70:B:TYR:HD1	8	0.33
(1,760)	1:71:A:LEU:HD11	1:70:B:TYR:HD2	8	0.33
(1,760)	1:71:A:LEU:HD12	1:70:B:TYR:HD1	8	0.33
(1,760)	1:71:A:LEU:HD12	1:70:B:TYR:HD2	8	0.33
(1,760)	1:71:A:LEU:HD13	1:70:B:TYR:HD1	8	0.33
(1,760)	1:71:A:LEU:HD13	1:70:B:TYR:HD2	8	0.33
(1,760)	1:71:A:LEU:HD21	1:70:B:TYR:HD1	8	0.33
(1,760)	1:71:A:LEU:HD21	1:70:B:TYR:HD2	8	0.33
(1,760)	1:71:A:LEU:HD22	1:70:B:TYR:HD1	8	0.33
(1,760)	1:71:A:LEU:HD22	1:70:B:TYR:HD2	8	0.33
(1,760)	1:71:A:LEU:HD23	1:70:B:TYR:HD1	8	0.33
(1,760)	1:71:A:LEU:HD23	1:70:B:TYR:HD2	8	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,686)	1:67:A:ALA:HA	1:70:B:TYR:HD1	6	0.33
(1,686)	1:67:A:ALA:HA	1:70:B:TYR:HD2	6	0.33
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD11	14	0.33
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD12	14	0.33
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD13	14	0.33
(1,588)	1:61:A:LEU:HA	1:65:A:GLN:H	17	0.33
(1,560)	1:60:A:VAL:HB	1:63:A:ALA:HB1	20	0.33
(1,560)	1:60:A:VAL:HB	1:63:A:ALA:HB2	20	0.33
(1,560)	1:60:A:VAL:HB	1:63:A:ALA:HB3	20	0.33
(1,537)	1:59:A:ALA:H	1:56:B:PRO:HA	17	0.33
(1,482)	1:52:A:MET:HG2	1:21:B:TYR:HD1	19	0.33
(1,482)	1:52:A:MET:HG2	1:21:B:TYR:HD2	19	0.33
(1,482)	1:52:A:MET:HG3	1:21:B:TYR:HD1	19	0.33
(1,482)	1:52:A:MET:HG3	1:21:B:TYR:HD2	19	0.33
(1,475)	1:51:A:PRO:HG2	1:52:A:MET:HG2	6	0.33
(1,475)	1:51:A:PRO:HG2	1:52:A:MET:HG3	6	0.33
(1,475)	1:51:A:PRO:HG3	1:52:A:MET:HG2	6	0.33
(1,475)	1:51:A:PRO:HG3	1:52:A:MET:HG3	6	0.33
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD11	5	0.33
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD12	5	0.33
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD13	5	0.33
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD21	5	0.33
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD22	5	0.33
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD23	5	0.33
(1,449)	1:48:A:GLU:HG2	1:49:A:LYS:H	12	0.33
(1,449)	1:48:A:GLU:HG3	1:49:A:LYS:H	12	0.33
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD11	13	0.33
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD12	13	0.33
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD13	13	0.33
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD21	13	0.33
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD22	13	0.33
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD23	13	0.33
(1,394)	1:43:A:MET:H	1:62:A:THR:HB	4	0.33
(1,385)	1:42:A:LYS:HD2	1:62:A:THR:HA	10	0.33
(1,385)	1:42:A:LYS:HD3	1:62:A:THR:HA	10	0.33
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG21	6	0.33
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG22	6	0.33
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG23	6	0.33
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG11	2	0.33
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG12	2	0.33
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG13	2	0.33
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG21	2	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG22	2	0.33
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG23	2	0.33
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG11	2	0.33
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG12	2	0.33
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG13	2	0.33
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG21	2	0.33
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG22	2	0.33
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG23	2	0.33
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG11	2	0.33
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG12	2	0.33
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG13	2	0.33
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG21	2	0.33
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG22	2	0.33
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG23	2	0.33
(1,289)	1:34:A:LEU:HD11	1:35:A:VAL:H	16	0.33
(1,289)	1:34:A:LEU:HD12	1:35:A:VAL:H	16	0.33
(1,289)	1:34:A:LEU:HD13	1:35:A:VAL:H	16	0.33
(1,289)	1:34:A:LEU:HD21	1:35:A:VAL:H	16	0.33
(1,289)	1:34:A:LEU:HD22	1:35:A:VAL:H	16	0.33
(1,289)	1:34:A:LEU:HD23	1:35:A:VAL:H	16	0.33
(1,258)	1:32:A:ILE:HA	1:36:A:ALA:H	2	0.33
(1,102)	1:15:A:ARG:HD2	1:19:A:GLN:H	4	0.33
(1,102)	1:15:A:ARG:HD3	1:19:A:GLN:H	4	0.33
(1,85)	1:14:A:VAL:HG11	1:33:A:ARG:H	4	0.33
(1,85)	1:14:A:VAL:HG12	1:33:A:ARG:H	4	0.33
(1,85)	1:14:A:VAL:HG13	1:33:A:ARG:H	4	0.33
(1,85)	1:14:A:VAL:HG21	1:33:A:ARG:H	4	0.33
(1,85)	1:14:A:VAL:HG22	1:33:A:ARG:H	4	0.33
(1,85)	1:14:A:VAL:HG23	1:33:A:ARG:H	4	0.33
(1,64)	1:12:A:VAL:HG11	1:33:A:ARG:HA	16	0.33
(1,64)	1:12:A:VAL:HG12	1:33:A:ARG:HA	16	0.33
(1,64)	1:12:A:VAL:HG13	1:33:A:ARG:HA	16	0.33
(1,64)	1:12:A:VAL:HG21	1:33:A:ARG:HA	16	0.33
(1,64)	1:12:A:VAL:HG22	1:33:A:ARG:HA	16	0.33
(1,64)	1:12:A:VAL:HG23	1:33:A:ARG:HA	16	0.33
(1,62)	1:12:A:VAL:HG11	1:32:A:ILE:H	19	0.33
(1,62)	1:12:A:VAL:HG12	1:32:A:ILE:H	19	0.33
(1,62)	1:12:A:VAL:HG13	1:32:A:ILE:H	19	0.33
(1,62)	1:12:A:VAL:HG21	1:32:A:ILE:H	19	0.33
(1,62)	1:12:A:VAL:HG22	1:32:A:ILE:H	19	0.33
(1,62)	1:12:A:VAL:HG23	1:32:A:ILE:H	19	0.33
(1,61)	1:12:A:VAL:HG11	1:29:A:PRO:HA	7	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,61)	1:12:A:VAL:HG12	1:29:A:PRO:HA	7	0.33
(1,61)	1:12:A:VAL:HG13	1:29:A:PRO:HA	7	0.33
(1,61)	1:12:A:VAL:HG21	1:29:A:PRO:HA	7	0.33
(1,61)	1:12:A:VAL:HG22	1:29:A:PRO:HA	7	0.33
(1,61)	1:12:A:VAL:HG23	1:29:A:PRO:HA	7	0.33
(1,57)	1:12:A:VAL:HB	1:25:A:GLY:H	17	0.33
(1,35)	1:11:A:ARG:H	1:24:A:VAL:HA	16	0.33
(1,35)	1:11:A:ARG:H	1:24:A:VAL:HA	19	0.33
(1,22)	1:10:A:THR:H	1:25:A:GLY:H	13	0.33
(1,1673)	1:77:B:TYR:HA	1:80:B:LEU:H	7	0.32
(1,1614)	1:73:B:LEU:HD11	1:74:B:LYS:HA	5	0.32
(1,1614)	1:73:B:LEU:HD12	1:74:B:LYS:HA	5	0.32
(1,1614)	1:73:B:LEU:HD13	1:74:B:LYS:HA	5	0.32
(1,1614)	1:73:B:LEU:HD21	1:74:B:LYS:HA	5	0.32
(1,1614)	1:73:B:LEU:HD22	1:74:B:LYS:HA	5	0.32
(1,1614)	1:73:B:LEU:HD23	1:74:B:LYS:HA	5	0.32
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD11	1	0.32
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD12	1	0.32
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD13	1	0.32
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD21	1	0.32
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD22	1	0.32
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD23	1	0.32
(1,1400)	1:51:B:PRO:HG2	1:52:B:MET:HG2	10	0.32
(1,1400)	1:51:B:PRO:HG2	1:52:B:MET:HG3	10	0.32
(1,1400)	1:51:B:PRO:HG3	1:52:B:MET:HG2	10	0.32
(1,1400)	1:51:B:PRO:HG3	1:52:B:MET:HG3	10	0.32
(1,1374)	1:48:B:GLU:HG2	1:49:B:LYS:H	20	0.32
(1,1374)	1:48:B:GLU:HG3	1:49:B:LYS:H	20	0.32
(1,1362)	1:47:B:SER:H	1:58:B:LEU:HG	16	0.32
(1,1331)	1:44:B:HIS:HA	1:58:B:LEU:HD11	16	0.32
(1,1331)	1:44:B:HIS:HA	1:58:B:LEU:HD12	16	0.32
(1,1331)	1:44:B:HIS:HA	1:58:B:LEU:HD13	16	0.32
(1,1331)	1:44:B:HIS:HA	1:58:B:LEU:HD21	16	0.32
(1,1331)	1:44:B:HIS:HA	1:58:B:LEU:HD22	16	0.32
(1,1331)	1:44:B:HIS:HA	1:58:B:LEU:HD23	16	0.32
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD11	13	0.32
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD12	13	0.32
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD13	13	0.32
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD21	13	0.32
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD22	13	0.32
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD23	13	0.32
(1,1319)	1:43:B:MET:H	1:62:B:THR:HB	12	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1201)	1:31:B:HIS:HA	1:34:B:LEU:HB2	12	0.32
(1,1201)	1:31:B:HIS:HA	1:34:B:LEU:HB3	12	0.32
(1,1183)	1:28:B:SER:H	1:31:B:HIS:H	13	0.32
(1,1155)	1:23:B:ILE:H	1:23:B:ILE:HB	15	0.32
(1,1138)	1:20:B:ASP:H	1:21:B:TYR:HE1	13	0.32
(1,1138)	1:20:B:ASP:H	1:21:B:TYR:HE2	13	0.32
(1,1129)	1:19:B:GLN:H	1:21:B:TYR:HE1	18	0.32
(1,1129)	1:19:B:GLN:H	1:21:B:TYR:HE2	18	0.32
(1,1119)	1:17:B:TYR:HB2	1:43:B:MET:HB2	19	0.32
(1,1119)	1:17:B:TYR:HB2	1:43:B:MET:HB3	19	0.32
(1,1119)	1:17:B:TYR:HB3	1:43:B:MET:HB2	19	0.32
(1,1119)	1:17:B:TYR:HB3	1:43:B:MET:HB3	19	0.32
(1,1059)	1:14:B:VAL:H	1:22:B:THR:HG21	9	0.32
(1,1059)	1:14:B:VAL:H	1:22:B:THR:HG22	9	0.32
(1,1059)	1:14:B:VAL:H	1:22:B:THR:HG23	9	0.32
(1,1038)	1:12:B:VAL:HB	1:25:B:GLY:H	2	0.32
(1,1033)	1:12:B:VAL:H	1:24:B:VAL:HA	11	0.32
(1,1023)	1:11:B:ARG:HA	1:25:B:GLY:H	10	0.32
(1,1010)	1:10:B:THR:HG21	1:12:B:VAL:HA	10	0.32
(1,1010)	1:10:B:THR:HG22	1:12:B:VAL:HA	10	0.32
(1,1010)	1:10:B:THR:HG23	1:12:B:VAL:HA	10	0.32
(1,973)	1:84:A:LEU:HD11	1:85:A:LYS:H	6	0.32
(1,973)	1:84:A:LEU:HD12	1:85:A:LYS:H	6	0.32
(1,973)	1:84:A:LEU:HD13	1:85:A:LYS:H	6	0.32
(1,973)	1:84:A:LEU:HD21	1:85:A:LYS:H	6	0.32
(1,973)	1:84:A:LEU:HD22	1:85:A:LYS:H	6	0.32
(1,973)	1:84:A:LEU:HD23	1:85:A:LYS:H	6	0.32
(1,857)	1:76:A:GLU:HG2	1:77:B:TYR:HE1	4	0.32
(1,857)	1:76:A:GLU:HG2	1:77:B:TYR:HE2	4	0.32
(1,857)	1:76:A:GLU:HG3	1:77:B:TYR:HE1	4	0.32
(1,857)	1:76:A:GLU:HG3	1:77:B:TYR:HE2	4	0.32
(1,816)	1:74:A:LYS:HB2	1:73:B:LEU:HD11	16	0.32
(1,816)	1:74:A:LYS:HB2	1:73:B:LEU:HD12	16	0.32
(1,816)	1:74:A:LYS:HB2	1:73:B:LEU:HD13	16	0.32
(1,805)	1:73:A:LEU:HD11	1:77:A:TYR:HB2	14	0.32
(1,805)	1:73:A:LEU:HD11	1:77:A:TYR:HB3	14	0.32
(1,805)	1:73:A:LEU:HD12	1:77:A:TYR:HB2	14	0.32
(1,805)	1:73:A:LEU:HD12	1:77:A:TYR:HB3	14	0.32
(1,805)	1:73:A:LEU:HD13	1:77:A:TYR:HB2	14	0.32
(1,805)	1:73:A:LEU:HD13	1:77:A:TYR:HB3	14	0.32
(1,805)	1:73:A:LEU:HD21	1:77:A:TYR:HB2	14	0.32
(1,805)	1:73:A:LEU:HD21	1:77:A:TYR:HB3	14	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,805)	1:73:A:LEU:HD22	1:77:A:TYR:HB2	14	0.32
(1,805)	1:73:A:LEU:HD22	1:77:A:TYR:HB3	14	0.32
(1,805)	1:73:A:LEU:HD23	1:77:A:TYR:HB2	14	0.32
(1,805)	1:73:A:LEU:HD23	1:77:A:TYR:HB3	14	0.32
(1,799)	1:73:A:LEU:HD11	1:74:A:LYS:HA	17	0.32
(1,799)	1:73:A:LEU:HD12	1:74:A:LYS:HA	17	0.32
(1,799)	1:73:A:LEU:HD13	1:74:A:LYS:HA	17	0.32
(1,799)	1:73:A:LEU:HD21	1:74:A:LYS:HA	17	0.32
(1,799)	1:73:A:LEU:HD22	1:74:A:LYS:HA	17	0.32
(1,799)	1:73:A:LEU:HD23	1:74:A:LYS:HA	17	0.32
(1,795)	1:73:A:LEU:HD21	1:74:A:LYS:HA	14	0.32
(1,795)	1:73:A:LEU:HD22	1:74:A:LYS:HA	14	0.32
(1,795)	1:73:A:LEU:HD23	1:74:A:LYS:HA	14	0.32
(1,734)	1:70:A:TYR:HE1	1:71:B:LEU:H	10	0.32
(1,734)	1:70:A:TYR:HE2	1:71:B:LEU:H	10	0.32
(1,686)	1:67:A:ALA:HA	1:70:B:TYR:HD1	2	0.32
(1,686)	1:67:A:ALA:HA	1:70:B:TYR:HD2	2	0.32
(1,662)	1:65:A:GLN:HB2	1:23:B:ILE:HG21	6	0.32
(1,662)	1:65:A:GLN:HB2	1:23:B:ILE:HG22	6	0.32
(1,662)	1:65:A:GLN:HB2	1:23:B:ILE:HG23	6	0.32
(1,662)	1:65:A:GLN:HB3	1:23:B:ILE:HG21	6	0.32
(1,662)	1:65:A:GLN:HB3	1:23:B:ILE:HG22	6	0.32
(1,662)	1:65:A:GLN:HB3	1:23:B:ILE:HG23	6	0.32
(1,632)	1:64:A:VAL:HB	1:36:B:ALA:HA	7	0.32
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG21	18	0.32
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG22	18	0.32
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG23	18	0.32
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG21	19	0.32
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG22	19	0.32
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG23	19	0.32
(1,388)	1:42:A:LYS:HE2	1:45:A:GLU:HG2	7	0.32
(1,388)	1:42:A:LYS:HE2	1:45:A:GLU:HG3	7	0.32
(1,388)	1:42:A:LYS:HE3	1:45:A:GLU:HG2	7	0.32
(1,388)	1:42:A:LYS:HE3	1:45:A:GLU:HG3	7	0.32
(1,387)	1:42:A:LYS:HD2	1:66:A:ILE:HA	5	0.32
(1,387)	1:42:A:LYS:HD3	1:66:A:ILE:HA	5	0.32
(1,386)	1:42:A:LYS:HD2	1:66:A:ILE:H	2	0.32
(1,386)	1:42:A:LYS:HD3	1:66:A:ILE:H	2	0.32
(1,351)	1:39:A:VAL:HG11	1:64:B:VAL:HA	12	0.32
(1,351)	1:39:A:VAL:HG12	1:64:B:VAL:HA	12	0.32
(1,351)	1:39:A:VAL:HG13	1:64:B:VAL:HA	12	0.32
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG11	6	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG12	6	0.32
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG13	6	0.32
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG21	6	0.32
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG22	6	0.32
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG23	6	0.32
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG11	6	0.32
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG12	6	0.32
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG13	6	0.32
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG21	6	0.32
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG22	6	0.32
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG23	6	0.32
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG11	6	0.32
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG12	6	0.32
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG13	6	0.32
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG21	6	0.32
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG22	6	0.32
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG23	6	0.32
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB1	4	0.32
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB2	4	0.32
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB3	4	0.32
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB1	4	0.32
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB2	4	0.32
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB3	4	0.32
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB1	4	0.32
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB2	4	0.32
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB3	4	0.32
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB1	4	0.32
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB2	4	0.32
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB3	4	0.32
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB1	4	0.32
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB2	4	0.32
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB3	4	0.32
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB1	4	0.32
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB2	4	0.32
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB3	4	0.32
(1,301)	1:35:A:VAL:HG11	1:71:B:LEU:HD11	4	0.32
(1,301)	1:35:A:VAL:HG11	1:71:B:LEU:HD12	4	0.32
(1,301)	1:35:A:VAL:HG11	1:71:B:LEU:HD13	4	0.32
(1,301)	1:35:A:VAL:HG12	1:71:B:LEU:HD11	4	0.32
(1,301)	1:35:A:VAL:HG12	1:71:B:LEU:HD12	4	0.32
(1,301)	1:35:A:VAL:HG12	1:71:B:LEU:HD13	4	0.32
(1,301)	1:35:A:VAL:HG13	1:71:B:LEU:HD11	4	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,301)	1:35:A:VAL:HG13	1:71:B:LEU:HD12	4	0.32
(1,301)	1:35:A:VAL:HG13	1:71:B:LEU:HD13	4	0.32
(1,258)	1:32:A:ILE:HA	1:36:A:ALA:H	1	0.32
(1,244)	1:31:A:HIS:HA	1:34:A:LEU:HB2	11	0.32
(1,244)	1:31:A:HIS:HA	1:34:A:LEU:HB3	11	0.32
(1,200)	1:23:A:ILE:HD11	1:65:B:GLN:HG2	5	0.32
(1,200)	1:23:A:ILE:HD11	1:65:B:GLN:HG3	5	0.32
(1,200)	1:23:A:ILE:HD12	1:65:B:GLN:HG2	5	0.32
(1,200)	1:23:A:ILE:HD12	1:65:B:GLN:HG3	5	0.32
(1,200)	1:23:A:ILE:HD13	1:65:B:GLN:HG2	5	0.32
(1,200)	1:23:A:ILE:HD13	1:65:B:GLN:HG3	5	0.32
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD11	11	0.32
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD12	11	0.32
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD13	11	0.32
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD21	11	0.32
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD22	11	0.32
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD23	11	0.32
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD11	11	0.32
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD12	11	0.32
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD13	11	0.32
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD21	11	0.32
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD22	11	0.32
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD23	11	0.32
(1,142)	1:17:A:TYR:HB2	1:43:A:MET:HB2	5	0.32
(1,142)	1:17:A:TYR:HB2	1:43:A:MET:HB3	5	0.32
(1,142)	1:17:A:TYR:HB3	1:43:A:MET:HB2	5	0.32
(1,142)	1:17:A:TYR:HB3	1:43:A:MET:HB3	5	0.32
(1,132)	1:16:A:ILE:HG21	1:21:A:TYR:HE1	15	0.32
(1,132)	1:16:A:ILE:HG21	1:21:A:TYR:HE2	15	0.32
(1,132)	1:16:A:ILE:HG22	1:21:A:TYR:HE1	15	0.32
(1,132)	1:16:A:ILE:HG22	1:21:A:TYR:HE2	15	0.32
(1,132)	1:16:A:ILE:HG23	1:21:A:TYR:HE1	15	0.32
(1,132)	1:16:A:ILE:HG23	1:21:A:TYR:HE2	15	0.32
(1,132)	1:16:A:ILE:HG21	1:21:A:TYR:HE1	17	0.32
(1,132)	1:16:A:ILE:HG21	1:21:A:TYR:HE2	17	0.32
(1,132)	1:16:A:ILE:HG22	1:21:A:TYR:HE1	17	0.32
(1,132)	1:16:A:ILE:HG22	1:21:A:TYR:HE2	17	0.32
(1,132)	1:16:A:ILE:HG23	1:21:A:TYR:HE1	17	0.32
(1,132)	1:16:A:ILE:HG23	1:21:A:TYR:HE2	17	0.32
(1,111)	1:16:A:ILE:H	1:19:A:GLN:H	7	0.32
(1,79)	1:14:A:VAL:H	1:23:A:ILE:H	3	0.32
(1,40)	1:11:A:ARG:HA	1:24:A:VAL:HA	5	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,40)	1:11:A:ARG:HA	1:24:A:VAL:HA	10	0.32
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG11	15	0.32
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG12	15	0.32
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG13	15	0.32
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG21	15	0.32
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG22	15	0.32
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG23	15	0.32
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG11	19	0.32
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG12	19	0.32
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG13	19	0.32
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG21	19	0.32
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG22	19	0.32
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG23	19	0.32
(1,22)	1:10:A:THR:H	1:25:A:GLY:H	16	0.32
(1,1746)	1:82:B:GLU:HA	1:85:B:LYS:HB2	20	0.31
(1,1746)	1:82:B:GLU:HA	1:85:B:LYS:HB3	20	0.31
(1,1673)	1:77:B:TYR:HA	1:80:B:LEU:H	14	0.31
(1,1619)	1:73:B:LEU:HD11	1:77:B:TYR:H	17	0.31
(1,1619)	1:73:B:LEU:HD12	1:77:B:TYR:H	17	0.31
(1,1619)	1:73:B:LEU:HD13	1:77:B:TYR:H	17	0.31
(1,1619)	1:73:B:LEU:HD21	1:77:B:TYR:H	17	0.31
(1,1619)	1:73:B:LEU:HD22	1:77:B:TYR:H	17	0.31
(1,1619)	1:73:B:LEU:HD23	1:77:B:TYR:H	17	0.31
(1,1527)	1:66:B:ILE:HA	1:69:B:GLU:HG2	11	0.31
(1,1527)	1:66:B:ILE:HA	1:69:B:GLU:HG3	11	0.31
(1,1512)	1:64:B:VAL:HG11	1:68:B:SER:H	17	0.31
(1,1512)	1:64:B:VAL:HG12	1:68:B:SER:H	17	0.31
(1,1512)	1:64:B:VAL:HG13	1:68:B:SER:H	17	0.31
(1,1512)	1:64:B:VAL:HG21	1:68:B:SER:H	17	0.31
(1,1512)	1:64:B:VAL:HG22	1:68:B:SER:H	17	0.31
(1,1512)	1:64:B:VAL:HG23	1:68:B:SER:H	17	0.31
(1,1473)	1:61:B:LEU:HA	1:64:B:VAL:HB	3	0.31
(1,1357)	1:46:B:PHE:HD1	1:62:B:THR:H	12	0.31
(1,1357)	1:46:B:PHE:HD2	1:62:B:THR:H	12	0.31
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD11	20	0.31
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD12	20	0.31
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD13	20	0.31
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD21	20	0.31
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD22	20	0.31
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD23	20	0.31
(1,1321)	1:43:B:MET:HA	1:62:B:THR:HB	16	0.31
(1,1311)	1:42:B:LYS:HD2	1:66:B:ILE:H	4	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1311)	1:42:B:LYS:HD3	1:66:B:ILE:H	4	0.31
(1,1155)	1:23:B:ILE:H	1:23:B:ILE:HB	14	0.31
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD11	14	0.31
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD12	14	0.31
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD13	14	0.31
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD11	14	0.31
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD12	14	0.31
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD13	14	0.31
(1,1146)	1:21:B:TYR:HB2	1:23:B:ILE:HD11	8	0.31
(1,1146)	1:21:B:TYR:HB2	1:23:B:ILE:HD12	8	0.31
(1,1146)	1:21:B:TYR:HB2	1:23:B:ILE:HD13	8	0.31
(1,1146)	1:21:B:TYR:HB3	1:23:B:ILE:HD11	8	0.31
(1,1146)	1:21:B:TYR:HB3	1:23:B:ILE:HD12	8	0.31
(1,1146)	1:21:B:TYR:HB3	1:23:B:ILE:HD13	8	0.31
(1,1111)	1:16:B:ILE:HG21	1:21:B:TYR:HE1	8	0.31
(1,1111)	1:16:B:ILE:HG21	1:21:B:TYR:HE2	8	0.31
(1,1111)	1:16:B:ILE:HG22	1:21:B:TYR:HE1	8	0.31
(1,1111)	1:16:B:ILE:HG22	1:21:B:TYR:HE2	8	0.31
(1,1111)	1:16:B:ILE:HG23	1:21:B:TYR:HE1	8	0.31
(1,1111)	1:16:B:ILE:HG23	1:21:B:TYR:HE2	8	0.31
(1,1094)	1:16:B:ILE:H	1:21:B:TYR:H	6	0.31
(1,1094)	1:16:B:ILE:H	1:21:B:TYR:H	15	0.31
(1,1083)	1:15:B:ARG:HD2	1:19:B:GLN:H	11	0.31
(1,1083)	1:15:B:ARG:HD3	1:19:B:GLN:H	11	0.31
(1,1066)	1:14:B:VAL:HG11	1:33:B:ARG:H	6	0.31
(1,1066)	1:14:B:VAL:HG12	1:33:B:ARG:H	6	0.31
(1,1066)	1:14:B:VAL:HG13	1:33:B:ARG:H	6	0.31
(1,1066)	1:14:B:VAL:HG21	1:33:B:ARG:H	6	0.31
(1,1066)	1:14:B:VAL:HG22	1:33:B:ARG:H	6	0.31
(1,1066)	1:14:B:VAL:HG23	1:33:B:ARG:H	6	0.31
(1,1033)	1:12:B:VAL:H	1:24:B:VAL:HA	6	0.31
(1,949)	1:82:A:GLU:HA	1:85:A:LYS:H	19	0.31
(1,938)	1:81:A:ARG:HG3	1:77:B:TYR:HE1	13	0.31
(1,938)	1:81:A:ARG:HG3	1:77:B:TYR:HE2	13	0.31
(1,919)	1:80:A:LEU:HD11	1:81:A:ARG:HB2	7	0.31
(1,919)	1:80:A:LEU:HD11	1:81:A:ARG:HB3	7	0.31
(1,919)	1:80:A:LEU:HD12	1:81:A:ARG:HB2	7	0.31
(1,919)	1:80:A:LEU:HD12	1:81:A:ARG:HB3	7	0.31
(1,919)	1:80:A:LEU:HD13	1:81:A:ARG:HB2	7	0.31
(1,919)	1:80:A:LEU:HD13	1:81:A:ARG:HB3	7	0.31
(1,919)	1:80:A:LEU:HD21	1:81:A:ARG:HB2	7	0.31
(1,919)	1:80:A:LEU:HD21	1:81:A:ARG:HB3	7	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,919)	1:80:A:LEU:HD22	1:81:A:ARG:HB2	7	0.31
(1,919)	1:80:A:LEU:HD22	1:81:A:ARG:HB3	7	0.31
(1,919)	1:80:A:LEU:HD23	1:81:A:ARG:HB2	7	0.31
(1,919)	1:80:A:LEU:HD23	1:81:A:ARG:HB3	7	0.31
(1,913)	1:80:A:LEU:HD11	1:81:A:ARG:HA	18	0.31
(1,913)	1:80:A:LEU:HD12	1:81:A:ARG:HA	18	0.31
(1,913)	1:80:A:LEU:HD13	1:81:A:ARG:HA	18	0.31
(1,866)	1:77:A:TYR:HA	1:80:A:LEU:HB2	6	0.31
(1,866)	1:77:A:TYR:HA	1:80:A:LEU:HB3	6	0.31
(1,795)	1:73:A:LEU:HD21	1:74:A:LYS:HA	11	0.31
(1,795)	1:73:A:LEU:HD22	1:74:A:LYS:HA	11	0.31
(1,795)	1:73:A:LEU:HD23	1:74:A:LYS:HA	11	0.31
(1,795)	1:73:A:LEU:HD21	1:74:A:LYS:HA	12	0.31
(1,795)	1:73:A:LEU:HD22	1:74:A:LYS:HA	12	0.31
(1,795)	1:73:A:LEU:HD23	1:74:A:LYS:HA	12	0.31
(1,795)	1:73:A:LEU:HD21	1:74:A:LYS:HA	16	0.31
(1,795)	1:73:A:LEU:HD22	1:74:A:LYS:HA	16	0.31
(1,795)	1:73:A:LEU:HD23	1:74:A:LYS:HA	16	0.31
(1,789)	1:73:A:LEU:HA	1:77:A:TYR:H	16	0.31
(1,661)	1:65:A:GLN:HG3	1:24:B:VAL:HB	14	0.31
(1,656)	1:65:A:GLN:H	1:65:A:GLN:HG2	14	0.31
(1,656)	1:65:A:GLN:H	1:65:A:GLN:HG3	14	0.31
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG21	9	0.31
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG22	9	0.31
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG23	9	0.31
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG21	11	0.31
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG22	11	0.31
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG23	11	0.31
(1,586)	1:61:A:LEU:HA	1:64:A:VAL:HB	5	0.31
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD11	13	0.31
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD12	13	0.31
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD13	13	0.31
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD21	13	0.31
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD22	13	0.31
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD23	13	0.31
(1,437)	1:47:A:SER:H	1:58:A:LEU:HG	17	0.31
(1,432)	1:46:A:PHE:HD1	1:62:A:THR:H	6	0.31
(1,432)	1:46:A:PHE:HD2	1:62:A:THR:H	6	0.31
(1,432)	1:46:A:PHE:HD1	1:62:A:THR:H	14	0.31
(1,432)	1:46:A:PHE:HD2	1:62:A:THR:H	14	0.31
(1,428)	1:46:A:PHE:HB2	1:58:A:LEU:HG	6	0.31
(1,428)	1:46:A:PHE:HB3	1:58:A:LEU:HG	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,426)	1:46:A:PHE:HA	1:49:A:LYS:HD2	17	0.31
(1,426)	1:46:A:PHE:HA	1:49:A:LYS:HD3	17	0.31
(1,286)	1:34:A:LEU:HD21	1:71:B:LEU:HD11	9	0.31
(1,286)	1:34:A:LEU:HD21	1:71:B:LEU:HD12	9	0.31
(1,286)	1:34:A:LEU:HD21	1:71:B:LEU:HD13	9	0.31
(1,286)	1:34:A:LEU:HD22	1:71:B:LEU:HD11	9	0.31
(1,286)	1:34:A:LEU:HD22	1:71:B:LEU:HD12	9	0.31
(1,286)	1:34:A:LEU:HD22	1:71:B:LEU:HD13	9	0.31
(1,286)	1:34:A:LEU:HD23	1:71:B:LEU:HD11	9	0.31
(1,286)	1:34:A:LEU:HD23	1:71:B:LEU:HD12	9	0.31
(1,286)	1:34:A:LEU:HD23	1:71:B:LEU:HD13	9	0.31
(1,274)	1:33:A:ARG:HB2	1:34:A:LEU:HD11	18	0.31
(1,274)	1:33:A:ARG:HB2	1:34:A:LEU:HD12	18	0.31
(1,274)	1:33:A:ARG:HB2	1:34:A:LEU:HD13	18	0.31
(1,274)	1:33:A:ARG:HB2	1:34:A:LEU:HD21	18	0.31
(1,274)	1:33:A:ARG:HB2	1:34:A:LEU:HD22	18	0.31
(1,274)	1:33:A:ARG:HB2	1:34:A:LEU:HD23	18	0.31
(1,274)	1:33:A:ARG:HB3	1:34:A:LEU:HD11	18	0.31
(1,274)	1:33:A:ARG:HB3	1:34:A:LEU:HD12	18	0.31
(1,274)	1:33:A:ARG:HB3	1:34:A:LEU:HD13	18	0.31
(1,274)	1:33:A:ARG:HB3	1:34:A:LEU:HD21	18	0.31
(1,274)	1:33:A:ARG:HB3	1:34:A:LEU:HD22	18	0.31
(1,274)	1:33:A:ARG:HB3	1:34:A:LEU:HD23	18	0.31
(1,188)	1:23:A:ILE:H	1:23:A:ILE:HB	3	0.31
(1,133)	1:16:A:ILE:HG21	1:60:B:VAL:HB	13	0.31
(1,133)	1:16:A:ILE:HG22	1:60:B:VAL:HB	13	0.31
(1,133)	1:16:A:ILE:HG23	1:60:B:VAL:HB	13	0.31
(1,112)	1:16:A:ILE:H	1:20:A:ASP:HA	2	0.31
(1,85)	1:14:A:VAL:HG11	1:33:A:ARG:H	2	0.31
(1,85)	1:14:A:VAL:HG12	1:33:A:ARG:H	2	0.31
(1,85)	1:14:A:VAL:HG13	1:33:A:ARG:H	2	0.31
(1,85)	1:14:A:VAL:HG21	1:33:A:ARG:H	2	0.31
(1,85)	1:14:A:VAL:HG22	1:33:A:ARG:H	2	0.31
(1,85)	1:14:A:VAL:HG23	1:33:A:ARG:H	2	0.31
(1,57)	1:12:A:VAL:HB	1:25:A:GLY:H	14	0.31
(1,52)	1:12:A:VAL:H	1:24:A:VAL:HA	4	0.31
(1,40)	1:11:A:ARG:HA	1:24:A:VAL:HA	16	0.31
(1,35)	1:11:A:ARG:H	1:24:A:VAL:HA	5	0.31
(1,22)	1:10:A:THR:H	1:25:A:GLY:H	18	0.31
(1,1770)	1:84:B:LEU:HD11	1:85:B:LYS:HA	16	0.3
(1,1770)	1:84:B:LEU:HD12	1:85:B:LYS:HA	16	0.3
(1,1770)	1:84:B:LEU:HD13	1:85:B:LYS:HA	16	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1770)	1:84:B:LEU:HD21	1:85:B:LYS:HA	16	0.3
(1,1770)	1:84:B:LEU:HD22	1:85:B:LYS:HA	16	0.3
(1,1770)	1:84:B:LEU:HD23	1:85:B:LYS:HA	16	0.3
(1,1746)	1:82:B:GLU:HA	1:85:B:LYS:HB2	18	0.3
(1,1746)	1:82:B:GLU:HA	1:85:B:LYS:HB3	18	0.3
(1,1673)	1:77:B:TYR:HA	1:80:B:LEU:H	9	0.3
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG11	7	0.3
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG12	7	0.3
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG13	7	0.3
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG21	7	0.3
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG22	7	0.3
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG23	7	0.3
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG11	12	0.3
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG12	12	0.3
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG13	12	0.3
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG21	12	0.3
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG22	12	0.3
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG23	12	0.3
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG11	12	0.3
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG12	12	0.3
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG13	12	0.3
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG21	12	0.3
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG22	12	0.3
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG23	12	0.3
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG11	12	0.3
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG12	12	0.3
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG13	12	0.3
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG21	12	0.3
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG22	12	0.3
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG23	12	0.3
(1,1194)	1:30:B:ALA:HA	1:33:B:ARG:HG2	5	0.3
(1,1194)	1:30:B:ALA:HA	1:33:B:ARG:HG3	5	0.3
(1,1155)	1:23:B:ILE:H	1:23:B:ILE:HB	9	0.3
(1,1075)	1:15:B:ARG:HA	1:21:B:TYR:H	11	0.3
(1,1059)	1:14:B:VAL:H	1:22:B:THR:HG21	5	0.3
(1,1059)	1:14:B:VAL:H	1:22:B:THR:HG22	5	0.3
(1,1059)	1:14:B:VAL:H	1:22:B:THR:HG23	5	0.3
(1,1038)	1:12:B:VAL:HB	1:25:B:GLY:H	7	0.3
(1,1033)	1:12:B:VAL:H	1:24:B:VAL:HA	12	0.3
(1,1021)	1:11:B:ARG:HA	1:24:B:VAL:HA	15	0.3
(1,1016)	1:11:B:ARG:H	1:24:B:VAL:HA	20	0.3
(1,974)	1:84:A:LEU:HD11	1:85:A:LYS:HA	13	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,974)	1:84:A:LEU:HD12	1:85:A:LYS:HA	13	0.3
(1,974)	1:84:A:LEU:HD13	1:85:A:LYS:HA	13	0.3
(1,974)	1:84:A:LEU:HD21	1:85:A:LYS:HA	13	0.3
(1,974)	1:84:A:LEU:HD22	1:85:A:LYS:HA	13	0.3
(1,974)	1:84:A:LEU:HD23	1:85:A:LYS:HA	13	0.3
(1,938)	1:81:A:ARG:HG3	1:77:B:TYR:HE1	10	0.3
(1,938)	1:81:A:ARG:HG3	1:77:B:TYR:HE2	10	0.3
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	3	0.3
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	3	0.3
(1,844)	1:75:A:GLU:HG2	1:76:A:GLU:H	9	0.3
(1,844)	1:75:A:GLU:HG3	1:76:A:GLU:H	9	0.3
(1,793)	1:73:A:LEU:HD11	1:74:A:LYS:HA	7	0.3
(1,793)	1:73:A:LEU:HD12	1:74:A:LYS:HA	7	0.3
(1,793)	1:73:A:LEU:HD13	1:74:A:LYS:HA	7	0.3
(1,793)	1:73:A:LEU:HD11	1:74:A:LYS:HA	12	0.3
(1,793)	1:73:A:LEU:HD12	1:74:A:LYS:HA	12	0.3
(1,793)	1:73:A:LEU:HD13	1:74:A:LYS:HA	12	0.3
(1,759)	1:71:A:LEU:HD11	1:38:B:PHE:HD1	11	0.3
(1,759)	1:71:A:LEU:HD11	1:38:B:PHE:HD2	11	0.3
(1,759)	1:71:A:LEU:HD12	1:38:B:PHE:HD1	11	0.3
(1,759)	1:71:A:LEU:HD12	1:38:B:PHE:HD2	11	0.3
(1,759)	1:71:A:LEU:HD13	1:38:B:PHE:HD1	11	0.3
(1,759)	1:71:A:LEU:HD13	1:38:B:PHE:HD2	11	0.3
(1,759)	1:71:A:LEU:HD21	1:38:B:PHE:HD1	11	0.3
(1,759)	1:71:A:LEU:HD21	1:38:B:PHE:HD2	11	0.3
(1,759)	1:71:A:LEU:HD22	1:38:B:PHE:HD1	11	0.3
(1,759)	1:71:A:LEU:HD22	1:38:B:PHE:HD2	11	0.3
(1,759)	1:71:A:LEU:HD23	1:38:B:PHE:HD1	11	0.3
(1,759)	1:71:A:LEU:HD23	1:38:B:PHE:HD2	11	0.3
(1,734)	1:70:A:TYR:HE1	1:71:B:LEU:H	2	0.3
(1,734)	1:70:A:TYR:HE2	1:71:B:LEU:H	2	0.3
(1,729)	1:70:A:TYR:HD1	1:67:B:ALA:HA	2	0.3
(1,729)	1:70:A:TYR:HD2	1:67:B:ALA:HA	2	0.3
(1,662)	1:65:A:GLN:HB2	1:23:B:ILE:HG21	12	0.3
(1,662)	1:65:A:GLN:HB2	1:23:B:ILE:HG22	12	0.3
(1,662)	1:65:A:GLN:HB2	1:23:B:ILE:HG23	12	0.3
(1,662)	1:65:A:GLN:HB3	1:23:B:ILE:HG21	12	0.3
(1,662)	1:65:A:GLN:HB3	1:23:B:ILE:HG22	12	0.3
(1,662)	1:65:A:GLN:HB3	1:23:B:ILE:HG23	12	0.3
(1,656)	1:65:A:GLN:H	1:65:A:GLN:HG2	11	0.3
(1,656)	1:65:A:GLN:H	1:65:A:GLN:HG3	11	0.3
(1,656)	1:65:A:GLN:H	1:65:A:GLN:HG2	18	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,656)	1:65:A:GLN:H	1:65:A:GLN:HG3	18	0.3
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD11	15	0.3
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD12	15	0.3
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD13	15	0.3
(1,504)	1:56:A:PRO:HG2	1:56:B:PRO:HA	4	0.3
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG11	16	0.3
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG12	16	0.3
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG13	16	0.3
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG21	16	0.3
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG22	16	0.3
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG23	16	0.3
(1,475)	1:51:A:PRO:HG2	1:52:A:MET:HG2	10	0.3
(1,475)	1:51:A:PRO:HG2	1:52:A:MET:HG3	10	0.3
(1,475)	1:51:A:PRO:HG3	1:52:A:MET:HG2	10	0.3
(1,475)	1:51:A:PRO:HG3	1:52:A:MET:HG3	10	0.3
(1,449)	1:48:A:GLU:HG2	1:49:A:LYS:H	16	0.3
(1,449)	1:48:A:GLU:HG3	1:49:A:LYS:H	16	0.3
(1,449)	1:48:A:GLU:HG2	1:49:A:LYS:H	20	0.3
(1,449)	1:48:A:GLU:HG3	1:49:A:LYS:H	20	0.3
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD11	16	0.3
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD12	16	0.3
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD13	16	0.3
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD21	16	0.3
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD22	16	0.3
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD23	16	0.3
(1,351)	1:39:A:VAL:HG11	1:64:B:VAL:HA	7	0.3
(1,351)	1:39:A:VAL:HG12	1:64:B:VAL:HA	7	0.3
(1,351)	1:39:A:VAL:HG13	1:64:B:VAL:HA	7	0.3
(1,301)	1:35:A:VAL:HG11	1:71:B:LEU:HD11	13	0.3
(1,301)	1:35:A:VAL:HG11	1:71:B:LEU:HD12	13	0.3
(1,301)	1:35:A:VAL:HG11	1:71:B:LEU:HD13	13	0.3
(1,301)	1:35:A:VAL:HG12	1:71:B:LEU:HD11	13	0.3
(1,301)	1:35:A:VAL:HG12	1:71:B:LEU:HD12	13	0.3
(1,301)	1:35:A:VAL:HG12	1:71:B:LEU:HD13	13	0.3
(1,301)	1:35:A:VAL:HG13	1:71:B:LEU:HD11	13	0.3
(1,301)	1:35:A:VAL:HG13	1:71:B:LEU:HD12	13	0.3
(1,301)	1:35:A:VAL:HG13	1:71:B:LEU:HD13	13	0.3
(1,286)	1:34:A:LEU:HD21	1:71:B:LEU:HD11	12	0.3
(1,286)	1:34:A:LEU:HD21	1:71:B:LEU:HD12	12	0.3
(1,286)	1:34:A:LEU:HD21	1:71:B:LEU:HD13	12	0.3
(1,286)	1:34:A:LEU:HD22	1:71:B:LEU:HD11	12	0.3
(1,286)	1:34:A:LEU:HD22	1:71:B:LEU:HD12	12	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,286)	1:34:A:LEU:HD22	1:71:B:LEU:HD13	12	0.3
(1,286)	1:34:A:LEU:HD23	1:71:B:LEU:HD11	12	0.3
(1,286)	1:34:A:LEU:HD23	1:71:B:LEU:HD12	12	0.3
(1,286)	1:34:A:LEU:HD23	1:71:B:LEU:HD13	12	0.3
(1,244)	1:31:A:HIS:HA	1:34:A:LEU:HB2	10	0.3
(1,244)	1:31:A:HIS:HA	1:34:A:LEU:HB3	10	0.3
(1,237)	1:30:A:ALA:HA	1:33:A:ARG:HG2	8	0.3
(1,237)	1:30:A:ALA:HA	1:33:A:ARG:HG3	8	0.3
(1,226)	1:28:A:SER:H	1:31:A:HIS:H	4	0.3
(1,220)	1:27:A:GLU:H	1:27:A:GLU:HG2	11	0.3
(1,220)	1:27:A:GLU:H	1:27:A:GLU:HG3	11	0.3
(1,172)	1:21:A:TYR:HB2	1:23:A:ILE:HD11	14	0.3
(1,172)	1:21:A:TYR:HB2	1:23:A:ILE:HD12	14	0.3
(1,172)	1:21:A:TYR:HB2	1:23:A:ILE:HD13	14	0.3
(1,172)	1:21:A:TYR:HB3	1:23:A:ILE:HD11	14	0.3
(1,172)	1:21:A:TYR:HB3	1:23:A:ILE:HD12	14	0.3
(1,172)	1:21:A:TYR:HB3	1:23:A:ILE:HD13	14	0.3
(1,164)	1:20:A:ASP:H	1:21:A:TYR:HE1	11	0.3
(1,164)	1:20:A:ASP:H	1:21:A:TYR:HE2	11	0.3
(1,142)	1:17:A:TYR:HB2	1:43:A:MET:HB2	11	0.3
(1,142)	1:17:A:TYR:HB2	1:43:A:MET:HB3	11	0.3
(1,142)	1:17:A:TYR:HB3	1:43:A:MET:HB2	11	0.3
(1,142)	1:17:A:TYR:HB3	1:43:A:MET:HB3	11	0.3
(1,132)	1:16:A:ILE:HG21	1:21:A:TYR:HE1	5	0.3
(1,132)	1:16:A:ILE:HG21	1:21:A:TYR:HE2	5	0.3
(1,132)	1:16:A:ILE:HG22	1:21:A:TYR:HE1	5	0.3
(1,132)	1:16:A:ILE:HG22	1:21:A:TYR:HE2	5	0.3
(1,132)	1:16:A:ILE:HG23	1:21:A:TYR:HE1	5	0.3
(1,132)	1:16:A:ILE:HG23	1:21:A:TYR:HE2	5	0.3
(1,112)	1:16:A:ILE:H	1:20:A:ASP:HA	6	0.3
(1,94)	1:15:A:ARG:HA	1:21:A:TYR:H	6	0.3
(1,94)	1:15:A:ARG:HA	1:21:A:TYR:H	11	0.3
(1,79)	1:14:A:VAL:H	1:23:A:ILE:H	19	0.3
(1,78)	1:14:A:VAL:H	1:22:A:THR:HG21	11	0.3
(1,78)	1:14:A:VAL:H	1:22:A:THR:HG22	11	0.3
(1,78)	1:14:A:VAL:H	1:22:A:THR:HG23	11	0.3
(1,40)	1:11:A:ARG:HA	1:24:A:VAL:HA	8	0.3
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG11	10	0.3
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG12	10	0.3
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG13	10	0.3
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG21	10	0.3
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG22	10	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG23	10	0.3
(1,35)	1:11:A:ARG:H	1:24:A:VAL:HA	9	0.3
(1,1760)	1:83:B:GLN:HA	1:85:B:LYS:H	6	0.29
(1,1745)	1:82:B:GLU:HA	1:85:B:LYS:H	12	0.29
(1,1711)	1:80:B:LEU:HA	1:83:B:GLN:H	16	0.29
(1,1654)	1:75:B:GLU:HG2	1:76:B:GLU:HA	11	0.29
(1,1654)	1:75:B:GLU:HG3	1:76:B:GLU:HA	11	0.29
(1,1617)	1:73:B:LEU:HD11	1:76:B:GLU:HB2	19	0.29
(1,1617)	1:73:B:LEU:HD11	1:76:B:GLU:HB3	19	0.29
(1,1617)	1:73:B:LEU:HD12	1:76:B:GLU:HB2	19	0.29
(1,1617)	1:73:B:LEU:HD12	1:76:B:GLU:HB3	19	0.29
(1,1617)	1:73:B:LEU:HD13	1:76:B:GLU:HB2	19	0.29
(1,1617)	1:73:B:LEU:HD13	1:76:B:GLU:HB3	19	0.29
(1,1617)	1:73:B:LEU:HD21	1:76:B:GLU:HB2	19	0.29
(1,1617)	1:73:B:LEU:HD21	1:76:B:GLU:HB3	19	0.29
(1,1617)	1:73:B:LEU:HD22	1:76:B:GLU:HB2	19	0.29
(1,1617)	1:73:B:LEU:HD22	1:76:B:GLU:HB3	19	0.29
(1,1617)	1:73:B:LEU:HD23	1:76:B:GLU:HB2	19	0.29
(1,1617)	1:73:B:LEU:HD23	1:76:B:GLU:HB3	19	0.29
(1,1613)	1:73:B:LEU:HD11	1:74:B:LYS:H	16	0.29
(1,1613)	1:73:B:LEU:HD12	1:74:B:LYS:H	16	0.29
(1,1613)	1:73:B:LEU:HD13	1:74:B:LYS:H	16	0.29
(1,1613)	1:73:B:LEU:HD21	1:74:B:LYS:H	16	0.29
(1,1613)	1:73:B:LEU:HD22	1:74:B:LYS:H	16	0.29
(1,1613)	1:73:B:LEU:HD23	1:74:B:LYS:H	16	0.29
(1,1549)	1:69:B:GLU:H	1:72:B:LYS:HG2	7	0.29
(1,1549)	1:69:B:GLU:H	1:72:B:LYS:HG3	7	0.29
(1,1514)	1:65:B:GLN:H	1:65:B:GLN:HG2	13	0.29
(1,1514)	1:65:B:GLN:H	1:65:B:GLN:HG3	13	0.29
(1,1473)	1:61:B:LEU:HA	1:64:B:VAL:HB	5	0.29
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG11	20	0.29
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG12	20	0.29
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG13	20	0.29
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG21	20	0.29
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG22	20	0.29
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG23	20	0.29
(1,1369)	1:48:B:GLU:H	1:48:B:GLU:HG2	14	0.29
(1,1369)	1:48:B:GLU:H	1:48:B:GLU:HG3	14	0.29
(1,1369)	1:48:B:GLU:H	1:48:B:GLU:HG2	20	0.29
(1,1369)	1:48:B:GLU:H	1:48:B:GLU:HG3	20	0.29
(1,1362)	1:47:B:SER:H	1:58:B:LEU:HG	18	0.29
(1,1357)	1:46:B:PHE:HD1	1:62:B:THR:H	17	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1357)	1:46:B:PHE:HD2	1:62:B:THR:H	17	0.29
(1,1331)	1:44:B:HIS:HA	1:58:B:LEU:HD11	5	0.29
(1,1331)	1:44:B:HIS:HA	1:58:B:LEU:HD12	5	0.29
(1,1331)	1:44:B:HIS:HA	1:58:B:LEU:HD13	5	0.29
(1,1331)	1:44:B:HIS:HA	1:58:B:LEU:HD21	5	0.29
(1,1331)	1:44:B:HIS:HA	1:58:B:LEU:HD22	5	0.29
(1,1331)	1:44:B:HIS:HA	1:58:B:LEU:HD23	5	0.29
(1,1311)	1:42:B:LYS:HD2	1:66:B:ILE:H	17	0.29
(1,1311)	1:42:B:LYS:HD3	1:66:B:ILE:H	17	0.29
(1,1310)	1:42:B:LYS:HD2	1:62:B:THR:HA	19	0.29
(1,1310)	1:42:B:LYS:HD3	1:62:B:THR:HA	19	0.29
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG11	4	0.29
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG12	4	0.29
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG13	4	0.29
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG21	4	0.29
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG22	4	0.29
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG23	4	0.29
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG11	4	0.29
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG12	4	0.29
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG13	4	0.29
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG21	4	0.29
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG22	4	0.29
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG23	4	0.29
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG11	4	0.29
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG12	4	0.29
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG13	4	0.29
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG21	4	0.29
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG22	4	0.29
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG23	4	0.29
(1,1155)	1:23:B:ILE:H	1:23:B:ILE:HB	13	0.29
(1,1105)	1:16:B:ILE:HD11	1:36:B:ALA:HB1	17	0.29
(1,1105)	1:16:B:ILE:HD11	1:36:B:ALA:HB2	17	0.29
(1,1105)	1:16:B:ILE:HD11	1:36:B:ALA:HB3	17	0.29
(1,1105)	1:16:B:ILE:HD12	1:36:B:ALA:HB1	17	0.29
(1,1105)	1:16:B:ILE:HD12	1:36:B:ALA:HB2	17	0.29
(1,1105)	1:16:B:ILE:HD12	1:36:B:ALA:HB3	17	0.29
(1,1105)	1:16:B:ILE:HD13	1:36:B:ALA:HB1	17	0.29
(1,1105)	1:16:B:ILE:HD13	1:36:B:ALA:HB2	17	0.29
(1,1105)	1:16:B:ILE:HD13	1:36:B:ALA:HB3	17	0.29
(1,1083)	1:15:B:ARG:HD2	1:19:B:GLN:H	9	0.29
(1,1083)	1:15:B:ARG:HD3	1:19:B:GLN:H	9	0.29
(1,1083)	1:15:B:ARG:HD2	1:19:B:GLN:H	20	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1083)	1:15:B:ARG:HD3	1:19:B:GLN:H	20	0.29
(1,1066)	1:14:B:VAL:HG11	1:33:B:ARG:H	1	0.29
(1,1066)	1:14:B:VAL:HG12	1:33:B:ARG:H	1	0.29
(1,1066)	1:14:B:VAL:HG13	1:33:B:ARG:H	1	0.29
(1,1066)	1:14:B:VAL:HG21	1:33:B:ARG:H	1	0.29
(1,1066)	1:14:B:VAL:HG22	1:33:B:ARG:H	1	0.29
(1,1066)	1:14:B:VAL:HG23	1:33:B:ARG:H	1	0.29
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB1	19	0.29
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB2	19	0.29
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB3	19	0.29
(1,1059)	1:14:B:VAL:H	1:22:B:THR:HG21	11	0.29
(1,1059)	1:14:B:VAL:H	1:22:B:THR:HG22	11	0.29
(1,1059)	1:14:B:VAL:H	1:22:B:THR:HG23	11	0.29
(1,1043)	1:12:B:VAL:HG11	1:32:B:ILE:H	16	0.29
(1,1043)	1:12:B:VAL:HG12	1:32:B:ILE:H	16	0.29
(1,1043)	1:12:B:VAL:HG13	1:32:B:ILE:H	16	0.29
(1,1043)	1:12:B:VAL:HG21	1:32:B:ILE:H	16	0.29
(1,1043)	1:12:B:VAL:HG22	1:32:B:ILE:H	16	0.29
(1,1043)	1:12:B:VAL:HG23	1:32:B:ILE:H	16	0.29
(1,1042)	1:12:B:VAL:HG11	1:29:B:PRO:HA	15	0.29
(1,1042)	1:12:B:VAL:HG12	1:29:B:PRO:HA	15	0.29
(1,1042)	1:12:B:VAL:HG13	1:29:B:PRO:HA	15	0.29
(1,1042)	1:12:B:VAL:HG21	1:29:B:PRO:HA	15	0.29
(1,1042)	1:12:B:VAL:HG22	1:29:B:PRO:HA	15	0.29
(1,1042)	1:12:B:VAL:HG23	1:29:B:PRO:HA	15	0.29
(1,1025)	1:11:B:ARG:HB2	1:24:B:VAL:HG11	18	0.29
(1,1025)	1:11:B:ARG:HB2	1:24:B:VAL:HG12	18	0.29
(1,1025)	1:11:B:ARG:HB2	1:24:B:VAL:HG13	18	0.29
(1,1025)	1:11:B:ARG:HB2	1:24:B:VAL:HG21	18	0.29
(1,1025)	1:11:B:ARG:HB2	1:24:B:VAL:HG22	18	0.29
(1,1025)	1:11:B:ARG:HB2	1:24:B:VAL:HG23	18	0.29
(1,1025)	1:11:B:ARG:HB3	1:24:B:VAL:HG11	18	0.29
(1,1025)	1:11:B:ARG:HB3	1:24:B:VAL:HG12	18	0.29
(1,1025)	1:11:B:ARG:HB3	1:24:B:VAL:HG13	18	0.29
(1,1025)	1:11:B:ARG:HB3	1:24:B:VAL:HG21	18	0.29
(1,1025)	1:11:B:ARG:HB3	1:24:B:VAL:HG22	18	0.29
(1,1025)	1:11:B:ARG:HB3	1:24:B:VAL:HG23	18	0.29
(1,1021)	1:11:B:ARG:HA	1:24:B:VAL:HA	10	0.29
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG11	6	0.29
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG12	6	0.29
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG13	6	0.29
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG21	6	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG22	6	0.29
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG23	6	0.29
(1,1016)	1:11:B:ARG:H	1:24:B:VAL:HA	16	0.29
(1,1011)	1:10:B:THR:HG21	1:12:B:VAL:HB	5	0.29
(1,1011)	1:10:B:THR:HG22	1:12:B:VAL:HB	5	0.29
(1,1011)	1:10:B:THR:HG23	1:12:B:VAL:HB	5	0.29
(1,974)	1:84:A:LEU:HD11	1:85:A:LYS:HA	9	0.29
(1,974)	1:84:A:LEU:HD12	1:85:A:LYS:HA	9	0.29
(1,974)	1:84:A:LEU:HD13	1:85:A:LYS:HA	9	0.29
(1,974)	1:84:A:LEU:HD21	1:85:A:LYS:HA	9	0.29
(1,974)	1:84:A:LEU:HD22	1:85:A:LYS:HA	9	0.29
(1,974)	1:84:A:LEU:HD23	1:85:A:LYS:HA	9	0.29
(1,974)	1:84:A:LEU:HD11	1:85:A:LYS:HA	14	0.29
(1,974)	1:84:A:LEU:HD12	1:85:A:LYS:HA	14	0.29
(1,974)	1:84:A:LEU:HD13	1:85:A:LYS:HA	14	0.29
(1,974)	1:84:A:LEU:HD21	1:85:A:LYS:HA	14	0.29
(1,974)	1:84:A:LEU:HD22	1:85:A:LYS:HA	14	0.29
(1,974)	1:84:A:LEU:HD23	1:85:A:LYS:HA	14	0.29
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD11	14	0.29
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD12	14	0.29
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD13	14	0.29
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD21	14	0.29
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD22	14	0.29
(1,966)	1:83:A:GLN:HG2	1:84:A:LEU:HD23	14	0.29
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD11	14	0.29
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD12	14	0.29
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD13	14	0.29
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD21	14	0.29
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD22	14	0.29
(1,966)	1:83:A:GLN:HG3	1:84:A:LEU:HD23	14	0.29
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	17	0.29
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	17	0.29
(1,875)	1:77:A:TYR:HE1	1:81:B:ARG:HD2	15	0.29
(1,875)	1:77:A:TYR:HE2	1:81:B:ARG:HD2	15	0.29
(1,875)	1:77:A:TYR:HE1	1:81:B:ARG:HD3	15	0.29
(1,875)	1:77:A:TYR:HE2	1:81:B:ARG:HD3	15	0.29
(1,793)	1:73:A:LEU:HD11	1:74:A:LYS:HA	20	0.29
(1,793)	1:73:A:LEU:HD12	1:74:A:LYS:HA	20	0.29
(1,793)	1:73:A:LEU:HD13	1:74:A:LYS:HA	20	0.29
(1,790)	1:73:A:LEU:HG	1:74:B:LYS:HE2	14	0.29
(1,790)	1:73:A:LEU:HG	1:74:B:LYS:HE3	14	0.29
(1,790)	1:73:A:LEU:HG	1:74:B:LYS:HE2	19	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,790)	1:73:A:LEU:HG	1:74:B:LYS:HE3	19	0.29
(1,789)	1:73:A:LEU:HA	1:77:A:TYR:H	10	0.29
(1,788)	1:73:A:LEU:HA	1:76:A:GLU:HB2	17	0.29
(1,788)	1:73:A:LEU:HA	1:76:A:GLU:HB3	17	0.29
(1,760)	1:71:A:LEU:HD11	1:70:B:TYR:HD1	3	0.29
(1,760)	1:71:A:LEU:HD11	1:70:B:TYR:HD2	3	0.29
(1,760)	1:71:A:LEU:HD12	1:70:B:TYR:HD1	3	0.29
(1,760)	1:71:A:LEU:HD12	1:70:B:TYR:HD2	3	0.29
(1,760)	1:71:A:LEU:HD13	1:70:B:TYR:HD1	3	0.29
(1,760)	1:71:A:LEU:HD13	1:70:B:TYR:HD2	3	0.29
(1,760)	1:71:A:LEU:HD21	1:70:B:TYR:HD1	3	0.29
(1,760)	1:71:A:LEU:HD21	1:70:B:TYR:HD2	3	0.29
(1,760)	1:71:A:LEU:HD22	1:70:B:TYR:HD1	3	0.29
(1,760)	1:71:A:LEU:HD22	1:70:B:TYR:HD2	3	0.29
(1,760)	1:71:A:LEU:HD23	1:70:B:TYR:HD1	3	0.29
(1,760)	1:71:A:LEU:HD23	1:70:B:TYR:HD2	3	0.29
(1,734)	1:70:A:TYR:HE1	1:71:B:LEU:H	13	0.29
(1,734)	1:70:A:TYR:HE2	1:71:B:LEU:H	13	0.29
(1,714)	1:69:A:GLU:HB2	1:70:A:TYR:HD1	8	0.29
(1,714)	1:69:A:GLU:HB2	1:70:A:TYR:HD2	8	0.29
(1,714)	1:69:A:GLU:HB3	1:70:A:TYR:HD1	8	0.29
(1,714)	1:69:A:GLU:HB3	1:70:A:TYR:HD2	8	0.29
(1,656)	1:65:A:GLN:H	1:65:A:GLN:HG2	19	0.29
(1,656)	1:65:A:GLN:H	1:65:A:GLN:HG3	19	0.29
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG21	14	0.29
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG22	14	0.29
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG23	14	0.29
(1,599)	1:62:A:THR:H	1:63:B:ALA:HB1	3	0.29
(1,599)	1:62:A:THR:H	1:63:B:ALA:HB2	3	0.29
(1,599)	1:62:A:THR:H	1:63:B:ALA:HB3	3	0.29
(1,507)	1:56:A:PRO:HG3	1:57:A:LYS:H	6	0.29
(1,504)	1:56:A:PRO:HG2	1:56:B:PRO:HA	8	0.29
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG11	1	0.29
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG12	1	0.29
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG13	1	0.29
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG21	1	0.29
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG22	1	0.29
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG23	1	0.29
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD11	16	0.29
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD12	16	0.29
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD13	16	0.29
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD21	16	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD22	16	0.29
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD23	16	0.29
(1,388)	1:42:A:LYS:HE2	1:45:A:GLU:HG2	9	0.29
(1,388)	1:42:A:LYS:HE2	1:45:A:GLU:HG3	9	0.29
(1,388)	1:42:A:LYS:HE3	1:45:A:GLU:HG2	9	0.29
(1,388)	1:42:A:LYS:HE3	1:45:A:GLU:HG3	9	0.29
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG21	11	0.29
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG22	11	0.29
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG23	11	0.29
(1,363)	1:39:A:VAL:HG11	1:62:A:THR:HB	17	0.29
(1,363)	1:39:A:VAL:HG12	1:62:A:THR:HB	17	0.29
(1,363)	1:39:A:VAL:HG13	1:62:A:THR:HB	17	0.29
(1,363)	1:39:A:VAL:HG21	1:62:A:THR:HB	17	0.29
(1,363)	1:39:A:VAL:HG22	1:62:A:THR:HB	17	0.29
(1,363)	1:39:A:VAL:HG23	1:62:A:THR:HB	17	0.29
(1,351)	1:39:A:VAL:HG11	1:64:B:VAL:HA	19	0.29
(1,351)	1:39:A:VAL:HG12	1:64:B:VAL:HA	19	0.29
(1,351)	1:39:A:VAL:HG13	1:64:B:VAL:HA	19	0.29
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG11	16	0.29
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG12	16	0.29
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG13	16	0.29
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG21	16	0.29
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG22	16	0.29
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG23	16	0.29
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG11	16	0.29
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG12	16	0.29
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG13	16	0.29
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG21	16	0.29
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG22	16	0.29
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG23	16	0.29
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG11	16	0.29
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG12	16	0.29
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG13	16	0.29
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG21	16	0.29
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG22	16	0.29
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG23	16	0.29
(1,314)	1:36:A:ALA:HA	1:64:B:VAL:HB	6	0.29
(1,286)	1:34:A:LEU:HD21	1:71:B:LEU:HD11	5	0.29
(1,286)	1:34:A:LEU:HD21	1:71:B:LEU:HD12	5	0.29
(1,286)	1:34:A:LEU:HD21	1:71:B:LEU:HD13	5	0.29
(1,286)	1:34:A:LEU:HD22	1:71:B:LEU:HD11	5	0.29
(1,286)	1:34:A:LEU:HD22	1:71:B:LEU:HD12	5	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,286)	1:34:A:LEU:HD22	1:71:B:LEU:HD13	5	0.29
(1,286)	1:34:A:LEU:HD23	1:71:B:LEU:HD11	5	0.29
(1,286)	1:34:A:LEU:HD23	1:71:B:LEU:HD12	5	0.29
(1,286)	1:34:A:LEU:HD23	1:71:B:LEU:HD13	5	0.29
(1,208)	1:23:A:ILE:HG21	1:65:B:GLN:HB2	7	0.29
(1,208)	1:23:A:ILE:HG21	1:65:B:GLN:HB3	7	0.29
(1,208)	1:23:A:ILE:HG22	1:65:B:GLN:HB2	7	0.29
(1,208)	1:23:A:ILE:HG22	1:65:B:GLN:HB3	7	0.29
(1,208)	1:23:A:ILE:HG23	1:65:B:GLN:HB2	7	0.29
(1,208)	1:23:A:ILE:HG23	1:65:B:GLN:HB3	7	0.29
(1,208)	1:23:A:ILE:HG21	1:65:B:GLN:HB2	17	0.29
(1,208)	1:23:A:ILE:HG21	1:65:B:GLN:HB3	17	0.29
(1,208)	1:23:A:ILE:HG22	1:65:B:GLN:HB2	17	0.29
(1,208)	1:23:A:ILE:HG22	1:65:B:GLN:HB3	17	0.29
(1,208)	1:23:A:ILE:HG23	1:65:B:GLN:HB2	17	0.29
(1,208)	1:23:A:ILE:HG23	1:65:B:GLN:HB3	17	0.29
(1,207)	1:23:A:ILE:HG21	1:65:B:GLN:HA	1	0.29
(1,207)	1:23:A:ILE:HG22	1:65:B:GLN:HA	1	0.29
(1,207)	1:23:A:ILE:HG23	1:65:B:GLN:HA	1	0.29
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD11	2	0.29
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD12	2	0.29
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD13	2	0.29
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD21	2	0.29
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD22	2	0.29
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD23	2	0.29
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD11	2	0.29
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD12	2	0.29
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD13	2	0.29
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD21	2	0.29
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD22	2	0.29
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD23	2	0.29
(1,133)	1:16:A:ILE:HG21	1:60:B:VAL:HB	15	0.29
(1,133)	1:16:A:ILE:HG22	1:60:B:VAL:HB	15	0.29
(1,133)	1:16:A:ILE:HG23	1:60:B:VAL:HB	15	0.29
(1,133)	1:16:A:ILE:HG21	1:60:B:VAL:HB	19	0.29
(1,133)	1:16:A:ILE:HG22	1:60:B:VAL:HB	19	0.29
(1,133)	1:16:A:ILE:HG23	1:60:B:VAL:HB	19	0.29
(1,132)	1:16:A:ILE:HG21	1:21:A:TYR:HE1	14	0.29
(1,132)	1:16:A:ILE:HG21	1:21:A:TYR:HE2	14	0.29
(1,132)	1:16:A:ILE:HG22	1:21:A:TYR:HE1	14	0.29
(1,132)	1:16:A:ILE:HG22	1:21:A:TYR:HE2	14	0.29
(1,132)	1:16:A:ILE:HG23	1:21:A:TYR:HE1	14	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,132)	1:16:A:ILE:HG23	1:21:A:TYR:HE2	14	0.29
(1,62)	1:12:A:VAL:HG11	1:32:A:ILE:H	16	0.29
(1,62)	1:12:A:VAL:HG12	1:32:A:ILE:H	16	0.29
(1,62)	1:12:A:VAL:HG13	1:32:A:ILE:H	16	0.29
(1,62)	1:12:A:VAL:HG21	1:32:A:ILE:H	16	0.29
(1,62)	1:12:A:VAL:HG22	1:32:A:ILE:H	16	0.29
(1,62)	1:12:A:VAL:HG23	1:32:A:ILE:H	16	0.29
(1,61)	1:12:A:VAL:HG11	1:29:A:PRO:HA	14	0.29
(1,61)	1:12:A:VAL:HG12	1:29:A:PRO:HA	14	0.29
(1,61)	1:12:A:VAL:HG13	1:29:A:PRO:HA	14	0.29
(1,61)	1:12:A:VAL:HG21	1:29:A:PRO:HA	14	0.29
(1,61)	1:12:A:VAL:HG22	1:29:A:PRO:HA	14	0.29
(1,61)	1:12:A:VAL:HG23	1:29:A:PRO:HA	14	0.29
(1,57)	1:12:A:VAL:HB	1:25:A:GLY:H	4	0.29
(1,35)	1:11:A:ARG:H	1:24:A:VAL:HA	7	0.29
(1,30)	1:10:A:THR:HG21	1:12:A:VAL:HB	15	0.29
(1,30)	1:10:A:THR:HG22	1:12:A:VAL:HB	15	0.29
(1,30)	1:10:A:THR:HG23	1:12:A:VAL:HB	15	0.29
(1,1769)	1:84:B:LEU:HD11	1:85:B:LYS:H	10	0.28
(1,1769)	1:84:B:LEU:HD12	1:85:B:LYS:H	10	0.28
(1,1769)	1:84:B:LEU:HD13	1:85:B:LYS:H	10	0.28
(1,1769)	1:84:B:LEU:HD21	1:85:B:LYS:H	10	0.28
(1,1769)	1:84:B:LEU:HD22	1:85:B:LYS:H	10	0.28
(1,1769)	1:84:B:LEU:HD23	1:85:B:LYS:H	10	0.28
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD11	9	0.28
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD12	9	0.28
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD13	9	0.28
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD21	9	0.28
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD22	9	0.28
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD23	9	0.28
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD11	9	0.28
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD12	9	0.28
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD13	9	0.28
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD21	9	0.28
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD22	9	0.28
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD23	9	0.28
(1,1616)	1:73:B:LEU:HD11	1:75:B:GLU:H	11	0.28
(1,1616)	1:73:B:LEU:HD12	1:75:B:GLU:H	11	0.28
(1,1616)	1:73:B:LEU:HD13	1:75:B:GLU:H	11	0.28
(1,1616)	1:73:B:LEU:HD21	1:75:B:GLU:H	11	0.28
(1,1616)	1:73:B:LEU:HD22	1:75:B:GLU:H	11	0.28
(1,1616)	1:73:B:LEU:HD23	1:75:B:GLU:H	11	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1610)	1:73:B:LEU:HD11	1:74:B:LYS:HA	13	0.28
(1,1610)	1:73:B:LEU:HD12	1:74:B:LYS:HA	13	0.28
(1,1610)	1:73:B:LEU:HD13	1:74:B:LYS:HA	13	0.28
(1,1549)	1:69:B:GLU:H	1:72:B:LYS:HG2	5	0.28
(1,1549)	1:69:B:GLU:H	1:72:B:LYS:HG3	5	0.28
(1,1475)	1:61:B:LEU:HA	1:65:B:GLN:H	11	0.28
(1,1369)	1:48:B:GLU:H	1:48:B:GLU:HG2	4	0.28
(1,1369)	1:48:B:GLU:H	1:48:B:GLU:HG3	4	0.28
(1,1362)	1:47:B:SER:H	1:58:B:LEU:HG	4	0.28
(1,1357)	1:46:B:PHE:HD1	1:62:B:THR:H	8	0.28
(1,1357)	1:46:B:PHE:HD2	1:62:B:THR:H	8	0.28
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD11	5	0.28
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD12	5	0.28
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD13	5	0.28
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD21	5	0.28
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD22	5	0.28
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD23	5	0.28
(1,1310)	1:42:B:LYS:HD2	1:62:B:THR:HA	15	0.28
(1,1310)	1:42:B:LYS:HD3	1:62:B:THR:HA	15	0.28
(1,1290)	1:40:B:ASP:HA	1:43:B:MET:HB2	19	0.28
(1,1290)	1:40:B:ASP:HA	1:43:B:MET:HB3	19	0.28
(1,1259)	1:36:B:ALA:HA	1:39:B:VAL:HB	11	0.28
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB1	13	0.28
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB2	13	0.28
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB3	13	0.28
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB1	13	0.28
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB2	13	0.28
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB3	13	0.28
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB1	13	0.28
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB2	13	0.28
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB3	13	0.28
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB1	13	0.28
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB2	13	0.28
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB3	13	0.28
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB1	13	0.28
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB2	13	0.28
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB3	13	0.28
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB1	13	0.28
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB2	13	0.28
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB3	13	0.28
(1,1203)	1:31:B:HIS:HA	1:35:B:VAL:HG11	16	0.28
(1,1203)	1:31:B:HIS:HA	1:35:B:VAL:HG12	16	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1203)	1:31:B:HIS:HA	1:35:B:VAL:HG13	16	0.28
(1,1203)	1:31:B:HIS:HA	1:35:B:VAL:HG21	16	0.28
(1,1203)	1:31:B:HIS:HA	1:35:B:VAL:HG22	16	0.28
(1,1203)	1:31:B:HIS:HA	1:35:B:VAL:HG23	16	0.28
(1,1155)	1:23:B:ILE:H	1:23:B:ILE:HB	5	0.28
(1,1155)	1:23:B:ILE:H	1:23:B:ILE:HB	6	0.28
(1,1155)	1:23:B:ILE:H	1:23:B:ILE:HB	19	0.28
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD11	17	0.28
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD12	17	0.28
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD13	17	0.28
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD11	17	0.28
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD12	17	0.28
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD13	17	0.28
(1,1129)	1:19:B:GLN:H	1:21:B:TYR:HE1	16	0.28
(1,1129)	1:19:B:GLN:H	1:21:B:TYR:HE2	16	0.28
(1,1120)	1:17:B:TYR:HE1	1:44:B:HIS:HA	15	0.28
(1,1120)	1:17:B:TYR:HE2	1:44:B:HIS:HA	15	0.28
(1,1111)	1:16:B:ILE:HG21	1:21:B:TYR:HE1	1	0.28
(1,1111)	1:16:B:ILE:HG21	1:21:B:TYR:HE2	1	0.28
(1,1111)	1:16:B:ILE:HG22	1:21:B:TYR:HE1	1	0.28
(1,1111)	1:16:B:ILE:HG22	1:21:B:TYR:HE2	1	0.28
(1,1111)	1:16:B:ILE:HG23	1:21:B:TYR:HE1	1	0.28
(1,1111)	1:16:B:ILE:HG23	1:21:B:TYR:HE2	1	0.28
(1,1075)	1:15:B:ARG:HA	1:21:B:TYR:H	6	0.28
(1,1075)	1:15:B:ARG:HA	1:21:B:TYR:H	7	0.28
(1,1075)	1:15:B:ARG:HA	1:21:B:TYR:H	9	0.28
(1,1043)	1:12:B:VAL:HG11	1:32:B:ILE:H	4	0.28
(1,1043)	1:12:B:VAL:HG12	1:32:B:ILE:H	4	0.28
(1,1043)	1:12:B:VAL:HG13	1:32:B:ILE:H	4	0.28
(1,1043)	1:12:B:VAL:HG21	1:32:B:ILE:H	4	0.28
(1,1043)	1:12:B:VAL:HG22	1:32:B:ILE:H	4	0.28
(1,1043)	1:12:B:VAL:HG23	1:32:B:ILE:H	4	0.28
(1,1021)	1:11:B:ARG:HA	1:24:B:VAL:HA	8	0.28
(1,1016)	1:11:B:ARG:H	1:24:B:VAL:HA	13	0.28
(1,1016)	1:11:B:ARG:H	1:24:B:VAL:HA	14	0.28
(1,1011)	1:10:B:THR:HG21	1:12:B:VAL:HB	6	0.28
(1,1011)	1:10:B:THR:HG22	1:12:B:VAL:HB	6	0.28
(1,1011)	1:10:B:THR:HG23	1:12:B:VAL:HB	6	0.28
(1,1010)	1:10:B:THR:HG21	1:12:B:VAL:HA	17	0.28
(1,1010)	1:10:B:THR:HG22	1:12:B:VAL:HA	17	0.28
(1,1010)	1:10:B:THR:HG23	1:12:B:VAL:HA	17	0.28
(1,976)	1:85:A:LYS:H	1:85:A:LYS:HD2	8	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,976)	1:85:A:LYS:H	1:85:A:LYS:HD3	8	0.28
(1,974)	1:84:A:LEU:HD11	1:85:A:LYS:HA	10	0.28
(1,974)	1:84:A:LEU:HD12	1:85:A:LYS:HA	10	0.28
(1,974)	1:84:A:LEU:HD13	1:85:A:LYS:HA	10	0.28
(1,974)	1:84:A:LEU:HD21	1:85:A:LYS:HA	10	0.28
(1,974)	1:84:A:LEU:HD22	1:85:A:LYS:HA	10	0.28
(1,974)	1:84:A:LEU:HD23	1:85:A:LYS:HA	10	0.28
(1,913)	1:80:A:LEU:HD11	1:81:A:ARG:HA	20	0.28
(1,913)	1:80:A:LEU:HD12	1:81:A:ARG:HA	20	0.28
(1,913)	1:80:A:LEU:HD13	1:81:A:ARG:HA	20	0.28
(1,869)	1:77:A:TYR:HD1	1:80:B:LEU:HD11	17	0.28
(1,869)	1:77:A:TYR:HD1	1:80:B:LEU:HD12	17	0.28
(1,869)	1:77:A:TYR:HD1	1:80:B:LEU:HD13	17	0.28
(1,869)	1:77:A:TYR:HD2	1:80:B:LEU:HD11	17	0.28
(1,869)	1:77:A:TYR:HD2	1:80:B:LEU:HD12	17	0.28
(1,869)	1:77:A:TYR:HD2	1:80:B:LEU:HD13	17	0.28
(1,869)	1:77:A:TYR:HD1	1:80:B:LEU:HD21	17	0.28
(1,869)	1:77:A:TYR:HD1	1:80:B:LEU:HD22	17	0.28
(1,869)	1:77:A:TYR:HD1	1:80:B:LEU:HD23	17	0.28
(1,869)	1:77:A:TYR:HD2	1:80:B:LEU:HD21	17	0.28
(1,869)	1:77:A:TYR:HD2	1:80:B:LEU:HD22	17	0.28
(1,869)	1:77:A:TYR:HD2	1:80:B:LEU:HD23	17	0.28
(1,866)	1:77:A:TYR:HA	1:80:A:LEU:HB2	14	0.28
(1,866)	1:77:A:TYR:HA	1:80:A:LEU:HB3	14	0.28
(1,857)	1:76:A:GLU:HG2	1:77:B:TYR:HE1	8	0.28
(1,857)	1:76:A:GLU:HG2	1:77:B:TYR:HE2	8	0.28
(1,857)	1:76:A:GLU:HG3	1:77:B:TYR:HE1	8	0.28
(1,857)	1:76:A:GLU:HG3	1:77:B:TYR:HE2	8	0.28
(1,845)	1:75:A:GLU:HG2	1:76:A:GLU:HA	10	0.28
(1,845)	1:75:A:GLU:HG3	1:76:A:GLU:HA	10	0.28
(1,816)	1:74:A:LYS:HB2	1:73:B:LEU:HD11	19	0.28
(1,816)	1:74:A:LYS:HB2	1:73:B:LEU:HD12	19	0.28
(1,816)	1:74:A:LYS:HB2	1:73:B:LEU:HD13	19	0.28
(1,801)	1:73:A:LEU:HD11	1:75:A:GLU:H	12	0.28
(1,801)	1:73:A:LEU:HD12	1:75:A:GLU:H	12	0.28
(1,801)	1:73:A:LEU:HD13	1:75:A:GLU:H	12	0.28
(1,801)	1:73:A:LEU:HD21	1:75:A:GLU:H	12	0.28
(1,801)	1:73:A:LEU:HD22	1:75:A:GLU:H	12	0.28
(1,801)	1:73:A:LEU:HD23	1:75:A:GLU:H	12	0.28
(1,799)	1:73:A:LEU:HD11	1:74:A:LYS:HA	10	0.28
(1,799)	1:73:A:LEU:HD12	1:74:A:LYS:HA	10	0.28
(1,799)	1:73:A:LEU:HD13	1:74:A:LYS:HA	10	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,799)	1:73:A:LEU:HD21	1:74:A:LYS:HA	10	0.28
(1,799)	1:73:A:LEU:HD22	1:74:A:LYS:HA	10	0.28
(1,799)	1:73:A:LEU:HD23	1:74:A:LYS:HA	10	0.28
(1,798)	1:73:A:LEU:HD11	1:74:A:LYS:H	17	0.28
(1,798)	1:73:A:LEU:HD12	1:74:A:LYS:H	17	0.28
(1,798)	1:73:A:LEU:HD13	1:74:A:LYS:H	17	0.28
(1,798)	1:73:A:LEU:HD21	1:74:A:LYS:H	17	0.28
(1,798)	1:73:A:LEU:HD22	1:74:A:LYS:H	17	0.28
(1,798)	1:73:A:LEU:HD23	1:74:A:LYS:H	17	0.28
(1,793)	1:73:A:LEU:HD11	1:74:A:LYS:HA	17	0.28
(1,793)	1:73:A:LEU:HD12	1:74:A:LYS:HA	17	0.28
(1,793)	1:73:A:LEU:HD13	1:74:A:LYS:HA	17	0.28
(1,793)	1:73:A:LEU:HD11	1:74:A:LYS:HA	19	0.28
(1,793)	1:73:A:LEU:HD12	1:74:A:LYS:HA	19	0.28
(1,793)	1:73:A:LEU:HD13	1:74:A:LYS:HA	19	0.28
(1,686)	1:67:A:ALA:HA	1:70:B:TYR:HD1	11	0.28
(1,686)	1:67:A:ALA:HA	1:70:B:TYR:HD2	11	0.28
(1,686)	1:67:A:ALA:HA	1:70:B:TYR:HD1	14	0.28
(1,686)	1:67:A:ALA:HA	1:70:B:TYR:HD2	14	0.28
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB1	12	0.28
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB2	12	0.28
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB3	12	0.28
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB1	12	0.28
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB2	12	0.28
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB3	12	0.28
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB1	12	0.28
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB2	12	0.28
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB3	12	0.28
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG21	6	0.28
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG22	6	0.28
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG23	6	0.28
(1,567)	1:60:A:VAL:HG11	1:19:B:GLN:HB2	7	0.28
(1,567)	1:60:A:VAL:HG11	1:19:B:GLN:HB3	7	0.28
(1,567)	1:60:A:VAL:HG12	1:19:B:GLN:HB2	7	0.28
(1,567)	1:60:A:VAL:HG12	1:19:B:GLN:HB3	7	0.28
(1,567)	1:60:A:VAL:HG13	1:19:B:GLN:HB2	7	0.28
(1,567)	1:60:A:VAL:HG13	1:19:B:GLN:HB3	7	0.28
(1,567)	1:60:A:VAL:HG21	1:19:B:GLN:HB2	7	0.28
(1,567)	1:60:A:VAL:HG21	1:19:B:GLN:HB3	7	0.28
(1,567)	1:60:A:VAL:HG22	1:19:B:GLN:HB2	7	0.28
(1,567)	1:60:A:VAL:HG22	1:19:B:GLN:HB3	7	0.28
(1,567)	1:60:A:VAL:HG23	1:19:B:GLN:HB2	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,567)	1:60:A:VAL:HG23	1:19:B:GLN:HB3	7	0.28
(1,449)	1:48:A:GLU:HG2	1:49:A:LYS:H	18	0.28
(1,449)	1:48:A:GLU:HG3	1:49:A:LYS:H	18	0.28
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG11	17	0.28
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG12	17	0.28
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG13	17	0.28
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG21	17	0.28
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG22	17	0.28
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG23	17	0.28
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG11	17	0.28
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG12	17	0.28
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG13	17	0.28
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG21	17	0.28
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG22	17	0.28
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG23	17	0.28
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG11	17	0.28
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG12	17	0.28
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG13	17	0.28
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG21	17	0.28
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG22	17	0.28
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG23	17	0.28
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB1	5	0.28
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB2	5	0.28
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB3	5	0.28
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB1	5	0.28
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB2	5	0.28
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB3	5	0.28
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB1	5	0.28
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB2	5	0.28
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB3	5	0.28
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB1	5	0.28
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB2	5	0.28
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB3	5	0.28
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB1	5	0.28
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB2	5	0.28
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB3	5	0.28
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB1	5	0.28
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB2	5	0.28
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB3	5	0.28
(1,220)	1:27:A:GLU:H	1:27:A:GLU:HG2	18	0.28
(1,220)	1:27:A:GLU:H	1:27:A:GLU:HG3	18	0.28
(1,188)	1:23:A:ILE:H	1:23:A:ILE:HB	19	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD11	12	0.28
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD12	12	0.28
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD13	12	0.28
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD11	12	0.28
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD12	12	0.28
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD13	12	0.28
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD11	7	0.28
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD12	7	0.28
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD13	7	0.28
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD21	7	0.28
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD22	7	0.28
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD23	7	0.28
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD11	7	0.28
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD12	7	0.28
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD13	7	0.28
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD21	7	0.28
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD22	7	0.28
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD23	7	0.28
(1,102)	1:15:A:ARG:HD2	1:19:A:GLN:H	7	0.28
(1,102)	1:15:A:ARG:HD3	1:19:A:GLN:H	7	0.28
(1,40)	1:11:A:ARG:HA	1:24:A:VAL:HA	11	0.28
(1,29)	1:10:A:THR:HG21	1:12:A:VAL:HA	4	0.28
(1,29)	1:10:A:THR:HG22	1:12:A:VAL:HA	4	0.28
(1,29)	1:10:A:THR:HG23	1:12:A:VAL:HA	4	0.28
(1,1770)	1:84:B:LEU:HD11	1:85:B:LYS:HA	12	0.27
(1,1770)	1:84:B:LEU:HD12	1:85:B:LYS:HA	12	0.27
(1,1770)	1:84:B:LEU:HD13	1:85:B:LYS:HA	12	0.27
(1,1770)	1:84:B:LEU:HD21	1:85:B:LYS:HA	12	0.27
(1,1770)	1:84:B:LEU:HD22	1:85:B:LYS:HA	12	0.27
(1,1770)	1:84:B:LEU:HD23	1:85:B:LYS:HA	12	0.27
(1,1769)	1:84:B:LEU:HD11	1:85:B:LYS:H	5	0.27
(1,1769)	1:84:B:LEU:HD12	1:85:B:LYS:H	5	0.27
(1,1769)	1:84:B:LEU:HD13	1:85:B:LYS:H	5	0.27
(1,1769)	1:84:B:LEU:HD21	1:85:B:LYS:H	5	0.27
(1,1769)	1:84:B:LEU:HD22	1:85:B:LYS:H	5	0.27
(1,1769)	1:84:B:LEU:HD23	1:85:B:LYS:H	5	0.27
(1,1755)	1:83:B:GLN:H	1:83:B:GLN:HG2	8	0.27
(1,1755)	1:83:B:GLN:H	1:83:B:GLN:HG3	8	0.27
(1,1745)	1:82:B:GLU:HA	1:85:B:LYS:H	8	0.27
(1,1728)	1:81:B:ARG:H	1:82:B:GLU:HG2	17	0.27
(1,1728)	1:81:B:ARG:H	1:82:B:GLU:HG3	17	0.27
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD11	6	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD12	6	0.27
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD13	6	0.27
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD21	6	0.27
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD22	6	0.27
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD23	6	0.27
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD11	6	0.27
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD12	6	0.27
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD13	6	0.27
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD21	6	0.27
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD22	6	0.27
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD23	6	0.27
(1,1674)	1:77:B:TYR:HA	1:80:B:LEU:HB2	16	0.27
(1,1674)	1:77:B:TYR:HA	1:80:B:LEU:HB3	16	0.27
(1,1654)	1:75:B:GLU:HG2	1:76:B:GLU:HA	10	0.27
(1,1654)	1:75:B:GLU:HG3	1:76:B:GLU:HA	10	0.27
(1,1619)	1:73:B:LEU:HD11	1:77:B:TYR:H	13	0.27
(1,1619)	1:73:B:LEU:HD12	1:77:B:TYR:H	13	0.27
(1,1619)	1:73:B:LEU:HD13	1:77:B:TYR:H	13	0.27
(1,1619)	1:73:B:LEU:HD21	1:77:B:TYR:H	13	0.27
(1,1619)	1:73:B:LEU:HD22	1:77:B:TYR:H	13	0.27
(1,1619)	1:73:B:LEU:HD23	1:77:B:TYR:H	13	0.27
(1,1617)	1:73:B:LEU:HD11	1:76:B:GLU:HB2	17	0.27
(1,1617)	1:73:B:LEU:HD11	1:76:B:GLU:HB3	17	0.27
(1,1617)	1:73:B:LEU:HD12	1:76:B:GLU:HB2	17	0.27
(1,1617)	1:73:B:LEU:HD12	1:76:B:GLU:HB3	17	0.27
(1,1617)	1:73:B:LEU:HD13	1:76:B:GLU:HB2	17	0.27
(1,1617)	1:73:B:LEU:HD13	1:76:B:GLU:HB3	17	0.27
(1,1617)	1:73:B:LEU:HD21	1:76:B:GLU:HB2	17	0.27
(1,1617)	1:73:B:LEU:HD21	1:76:B:GLU:HB3	17	0.27
(1,1617)	1:73:B:LEU:HD22	1:76:B:GLU:HB2	17	0.27
(1,1617)	1:73:B:LEU:HD22	1:76:B:GLU:HB3	17	0.27
(1,1617)	1:73:B:LEU:HD23	1:76:B:GLU:HB2	17	0.27
(1,1617)	1:73:B:LEU:HD23	1:76:B:GLU:HB3	17	0.27
(1,1614)	1:73:B:LEU:HD11	1:74:B:LYS:HA	10	0.27
(1,1614)	1:73:B:LEU:HD12	1:74:B:LYS:HA	10	0.27
(1,1614)	1:73:B:LEU:HD13	1:74:B:LYS:HA	10	0.27
(1,1614)	1:73:B:LEU:HD21	1:74:B:LYS:HA	10	0.27
(1,1614)	1:73:B:LEU:HD22	1:74:B:LYS:HA	10	0.27
(1,1614)	1:73:B:LEU:HD23	1:74:B:LYS:HA	10	0.27
(1,1613)	1:73:B:LEU:HD11	1:74:B:LYS:H	10	0.27
(1,1613)	1:73:B:LEU:HD12	1:74:B:LYS:H	10	0.27
(1,1613)	1:73:B:LEU:HD13	1:74:B:LYS:H	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1613)	1:73:B:LEU:HD21	1:74:B:LYS:H	10	0.27
(1,1613)	1:73:B:LEU:HD22	1:74:B:LYS:H	10	0.27
(1,1613)	1:73:B:LEU:HD23	1:74:B:LYS:H	10	0.27
(1,1475)	1:61:B:LEU:HA	1:65:B:GLN:H	5	0.27
(1,1475)	1:61:B:LEU:HA	1:65:B:GLN:H	13	0.27
(1,1369)	1:48:B:GLU:H	1:48:B:GLU:HG2	3	0.27
(1,1369)	1:48:B:GLU:H	1:48:B:GLU:HG3	3	0.27
(1,1319)	1:43:B:MET:H	1:62:B:THR:HB	13	0.27
(1,1197)	1:30:B:ALA:HB1	1:33:B:ARG:HD2	5	0.27
(1,1197)	1:30:B:ALA:HB1	1:33:B:ARG:HD3	5	0.27
(1,1197)	1:30:B:ALA:HB2	1:33:B:ARG:HD2	5	0.27
(1,1197)	1:30:B:ALA:HB2	1:33:B:ARG:HD3	5	0.27
(1,1197)	1:30:B:ALA:HB3	1:33:B:ARG:HD2	5	0.27
(1,1197)	1:30:B:ALA:HB3	1:33:B:ARG:HD3	5	0.27
(1,1127)	1:19:B:GLN:H	1:19:B:GLN:HG2	17	0.27
(1,1127)	1:19:B:GLN:H	1:19:B:GLN:HG3	17	0.27
(1,1092)	1:16:B:ILE:H	1:19:B:GLN:H	11	0.27
(1,1083)	1:15:B:ARG:HD2	1:19:B:GLN:H	18	0.27
(1,1083)	1:15:B:ARG:HD3	1:19:B:GLN:H	18	0.27
(1,1046)	1:12:B:VAL:HG11	1:33:B:ARG:HD2	5	0.27
(1,1046)	1:12:B:VAL:HG11	1:33:B:ARG:HD3	5	0.27
(1,1046)	1:12:B:VAL:HG12	1:33:B:ARG:HD2	5	0.27
(1,1046)	1:12:B:VAL:HG12	1:33:B:ARG:HD3	5	0.27
(1,1046)	1:12:B:VAL:HG13	1:33:B:ARG:HD2	5	0.27
(1,1046)	1:12:B:VAL:HG13	1:33:B:ARG:HD3	5	0.27
(1,1046)	1:12:B:VAL:HG21	1:33:B:ARG:HD2	5	0.27
(1,1046)	1:12:B:VAL:HG21	1:33:B:ARG:HD3	5	0.27
(1,1046)	1:12:B:VAL:HG22	1:33:B:ARG:HD2	5	0.27
(1,1046)	1:12:B:VAL:HG22	1:33:B:ARG:HD3	5	0.27
(1,1046)	1:12:B:VAL:HG23	1:33:B:ARG:HD2	5	0.27
(1,1046)	1:12:B:VAL:HG23	1:33:B:ARG:HD3	5	0.27
(1,974)	1:84:A:LEU:HD11	1:85:A:LYS:HA	17	0.27
(1,974)	1:84:A:LEU:HD12	1:85:A:LYS:HA	17	0.27
(1,974)	1:84:A:LEU:HD13	1:85:A:LYS:HA	17	0.27
(1,974)	1:84:A:LEU:HD21	1:85:A:LYS:HA	17	0.27
(1,974)	1:84:A:LEU:HD22	1:85:A:LYS:HA	17	0.27
(1,974)	1:84:A:LEU:HD23	1:85:A:LYS:HA	17	0.27
(1,922)	1:80:A:LEU:HD11	1:82:A:GLU:H	7	0.27
(1,922)	1:80:A:LEU:HD12	1:82:A:GLU:H	7	0.27
(1,922)	1:80:A:LEU:HD13	1:82:A:GLU:H	7	0.27
(1,922)	1:80:A:LEU:HD21	1:82:A:GLU:H	7	0.27
(1,922)	1:80:A:LEU:HD22	1:82:A:GLU:H	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,922)	1:80:A:LEU:HD23	1:82:A:GLU:H	7	0.27
(1,922)	1:80:A:LEU:HD11	1:82:A:GLU:H	15	0.27
(1,922)	1:80:A:LEU:HD12	1:82:A:GLU:H	15	0.27
(1,922)	1:80:A:LEU:HD13	1:82:A:GLU:H	15	0.27
(1,922)	1:80:A:LEU:HD21	1:82:A:GLU:H	15	0.27
(1,922)	1:80:A:LEU:HD22	1:82:A:GLU:H	15	0.27
(1,922)	1:80:A:LEU:HD23	1:82:A:GLU:H	15	0.27
(1,920)	1:80:A:LEU:HD11	1:81:A:ARG:HD2	8	0.27
(1,920)	1:80:A:LEU:HD11	1:81:A:ARG:HD3	8	0.27
(1,920)	1:80:A:LEU:HD12	1:81:A:ARG:HD2	8	0.27
(1,920)	1:80:A:LEU:HD12	1:81:A:ARG:HD3	8	0.27
(1,920)	1:80:A:LEU:HD13	1:81:A:ARG:HD2	8	0.27
(1,920)	1:80:A:LEU:HD13	1:81:A:ARG:HD3	8	0.27
(1,920)	1:80:A:LEU:HD21	1:81:A:ARG:HD2	8	0.27
(1,920)	1:80:A:LEU:HD21	1:81:A:ARG:HD3	8	0.27
(1,920)	1:80:A:LEU:HD22	1:81:A:ARG:HD2	8	0.27
(1,920)	1:80:A:LEU:HD22	1:81:A:ARG:HD3	8	0.27
(1,920)	1:80:A:LEU:HD23	1:81:A:ARG:HD2	8	0.27
(1,920)	1:80:A:LEU:HD23	1:81:A:ARG:HD3	8	0.27
(1,843)	1:75:A:GLU:HG2	1:27:B:GLU:HG2	9	0.27
(1,843)	1:75:A:GLU:HG2	1:27:B:GLU:HG3	9	0.27
(1,843)	1:75:A:GLU:HG3	1:27:B:GLU:HG2	9	0.27
(1,843)	1:75:A:GLU:HG3	1:27:B:GLU:HG3	9	0.27
(1,843)	1:75:A:GLU:HG2	1:27:B:GLU:HG2	16	0.27
(1,843)	1:75:A:GLU:HG2	1:27:B:GLU:HG3	16	0.27
(1,843)	1:75:A:GLU:HG3	1:27:B:GLU:HG2	16	0.27
(1,843)	1:75:A:GLU:HG3	1:27:B:GLU:HG3	16	0.27
(1,842)	1:75:A:GLU:HB2	1:76:A:GLU:H	16	0.27
(1,842)	1:75:A:GLU:HB3	1:76:A:GLU:H	16	0.27
(1,798)	1:73:A:LEU:HD11	1:74:A:LYS:H	10	0.27
(1,798)	1:73:A:LEU:HD12	1:74:A:LYS:H	10	0.27
(1,798)	1:73:A:LEU:HD13	1:74:A:LYS:H	10	0.27
(1,798)	1:73:A:LEU:HD21	1:74:A:LYS:H	10	0.27
(1,798)	1:73:A:LEU:HD22	1:74:A:LYS:H	10	0.27
(1,798)	1:73:A:LEU:HD23	1:74:A:LYS:H	10	0.27
(1,795)	1:73:A:LEU:HD21	1:74:A:LYS:HA	18	0.27
(1,795)	1:73:A:LEU:HD22	1:74:A:LYS:HA	18	0.27
(1,795)	1:73:A:LEU:HD23	1:74:A:LYS:HA	18	0.27
(1,775)	1:72:A:LYS:HA	1:75:A:GLU:HG2	9	0.27
(1,775)	1:72:A:LYS:HA	1:75:A:GLU:HG3	9	0.27
(1,760)	1:71:A:LEU:HD11	1:70:B:TYR:HD1	15	0.27
(1,760)	1:71:A:LEU:HD11	1:70:B:TYR:HD2	15	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,760)	1:71:A:LEU:HD12	1:70:B:TYR:HD1	15	0.27
(1,760)	1:71:A:LEU:HD12	1:70:B:TYR:HD2	15	0.27
(1,760)	1:71:A:LEU:HD13	1:70:B:TYR:HD1	15	0.27
(1,760)	1:71:A:LEU:HD13	1:70:B:TYR:HD2	15	0.27
(1,760)	1:71:A:LEU:HD21	1:70:B:TYR:HD1	15	0.27
(1,760)	1:71:A:LEU:HD21	1:70:B:TYR:HD2	15	0.27
(1,760)	1:71:A:LEU:HD22	1:70:B:TYR:HD1	15	0.27
(1,760)	1:71:A:LEU:HD22	1:70:B:TYR:HD2	15	0.27
(1,760)	1:71:A:LEU:HD23	1:70:B:TYR:HD1	15	0.27
(1,760)	1:71:A:LEU:HD23	1:70:B:TYR:HD2	15	0.27
(1,745)	1:71:A:LEU:HA	1:74:A:LYS:HB2	8	0.27
(1,745)	1:71:A:LEU:HA	1:74:A:LYS:HB3	8	0.27
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB1	8	0.27
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB2	8	0.27
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB3	8	0.27
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB1	8	0.27
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB2	8	0.27
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB3	8	0.27
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB1	8	0.27
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB2	8	0.27
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB3	8	0.27
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG21	10	0.27
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG22	10	0.27
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG23	10	0.27
(1,560)	1:60:A:VAL:HB	1:63:A:ALA:HB1	1	0.27
(1,560)	1:60:A:VAL:HB	1:63:A:ALA:HB2	1	0.27
(1,560)	1:60:A:VAL:HB	1:63:A:ALA:HB3	1	0.27
(1,559)	1:60:A:VAL:HB	1:16:B:ILE:HG21	5	0.27
(1,559)	1:60:A:VAL:HB	1:16:B:ILE:HG22	5	0.27
(1,559)	1:60:A:VAL:HB	1:16:B:ILE:HG23	5	0.27
(1,537)	1:59:A:ALA:H	1:56:B:PRO:HA	8	0.27
(1,386)	1:42:A:LYS:HD2	1:66:A:ILE:H	16	0.27
(1,386)	1:42:A:LYS:HD3	1:66:A:ILE:H	16	0.27
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG21	9	0.27
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG22	9	0.27
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG23	9	0.27
(1,370)	1:41:A:ASP:HA	1:44:A:HIS:HB2	9	0.27
(1,370)	1:41:A:ASP:HA	1:44:A:HIS:HB3	9	0.27
(1,309)	1:35:A:VAL:HG11	1:38:A:PHE:HD1	13	0.27
(1,309)	1:35:A:VAL:HG11	1:38:A:PHE:HD2	13	0.27
(1,309)	1:35:A:VAL:HG12	1:38:A:PHE:HD1	13	0.27
(1,309)	1:35:A:VAL:HG12	1:38:A:PHE:HD2	13	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,309)	1:35:A:VAL:HG13	1:38:A:PHE:HD1	13	0.27
(1,309)	1:35:A:VAL:HG13	1:38:A:PHE:HD2	13	0.27
(1,309)	1:35:A:VAL:HG21	1:38:A:PHE:HD1	13	0.27
(1,309)	1:35:A:VAL:HG21	1:38:A:PHE:HD2	13	0.27
(1,309)	1:35:A:VAL:HG22	1:38:A:PHE:HD1	13	0.27
(1,309)	1:35:A:VAL:HG22	1:38:A:PHE:HD2	13	0.27
(1,309)	1:35:A:VAL:HG23	1:38:A:PHE:HD1	13	0.27
(1,309)	1:35:A:VAL:HG23	1:38:A:PHE:HD2	13	0.27
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB1	1	0.27
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB2	1	0.27
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB3	1	0.27
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB1	1	0.27
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB2	1	0.27
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB3	1	0.27
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB1	1	0.27
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB2	1	0.27
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB3	1	0.27
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB1	1	0.27
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB2	1	0.27
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB3	1	0.27
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB1	1	0.27
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB2	1	0.27
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB3	1	0.27
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB1	1	0.27
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB2	1	0.27
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB3	1	0.27
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB1	9	0.27
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB2	9	0.27
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB3	9	0.27
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB1	9	0.27
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB2	9	0.27
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB3	9	0.27
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB1	9	0.27
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB2	9	0.27
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB3	9	0.27
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB1	9	0.27
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB2	9	0.27
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB3	9	0.27
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB1	9	0.27
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB2	9	0.27
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB3	9	0.27
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB1	9	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB2	9	0.27
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB3	9	0.27
(1,301)	1:35:A:VAL:HG11	1:71:B:LEU:HD11	16	0.27
(1,301)	1:35:A:VAL:HG11	1:71:B:LEU:HD12	16	0.27
(1,301)	1:35:A:VAL:HG11	1:71:B:LEU:HD13	16	0.27
(1,301)	1:35:A:VAL:HG12	1:71:B:LEU:HD11	16	0.27
(1,301)	1:35:A:VAL:HG12	1:71:B:LEU:HD12	16	0.27
(1,301)	1:35:A:VAL:HG12	1:71:B:LEU:HD13	16	0.27
(1,301)	1:35:A:VAL:HG13	1:71:B:LEU:HD11	16	0.27
(1,301)	1:35:A:VAL:HG13	1:71:B:LEU:HD12	16	0.27
(1,301)	1:35:A:VAL:HG13	1:71:B:LEU:HD13	16	0.27
(1,275)	1:34:A:LEU:H	1:34:A:LEU:HG	19	0.27
(1,262)	1:32:A:ILE:HG12	1:33:A:ARG:HB2	4	0.27
(1,262)	1:32:A:ILE:HG12	1:33:A:ARG:HB3	4	0.27
(1,262)	1:32:A:ILE:HG13	1:33:A:ARG:HB2	4	0.27
(1,262)	1:32:A:ILE:HG13	1:33:A:ARG:HB3	4	0.27
(1,244)	1:31:A:HIS:HA	1:34:A:LEU:HB2	8	0.27
(1,244)	1:31:A:HIS:HA	1:34:A:LEU:HB3	8	0.27
(1,220)	1:27:A:GLU:H	1:27:A:GLU:HG2	2	0.27
(1,220)	1:27:A:GLU:H	1:27:A:GLU:HG3	2	0.27
(1,178)	1:21:A:TYR:HD1	1:61:B:LEU:HD21	13	0.27
(1,178)	1:21:A:TYR:HD1	1:61:B:LEU:HD22	13	0.27
(1,178)	1:21:A:TYR:HD1	1:61:B:LEU:HD23	13	0.27
(1,178)	1:21:A:TYR:HD2	1:61:B:LEU:HD21	13	0.27
(1,178)	1:21:A:TYR:HD2	1:61:B:LEU:HD22	13	0.27
(1,178)	1:21:A:TYR:HD2	1:61:B:LEU:HD23	13	0.27
(1,150)	1:19:A:GLN:H	1:19:A:GLN:HG2	8	0.27
(1,150)	1:19:A:GLN:H	1:19:A:GLN:HG3	8	0.27
(1,113)	1:16:A:ILE:H	1:21:A:TYR:H	3	0.27
(1,94)	1:15:A:ARG:HA	1:21:A:TYR:H	1	0.27
(1,94)	1:15:A:ARG:HA	1:21:A:TYR:H	9	0.27
(1,65)	1:12:A:VAL:HG11	1:33:A:ARG:HD2	15	0.27
(1,65)	1:12:A:VAL:HG11	1:33:A:ARG:HD3	15	0.27
(1,65)	1:12:A:VAL:HG12	1:33:A:ARG:HD2	15	0.27
(1,65)	1:12:A:VAL:HG12	1:33:A:ARG:HD3	15	0.27
(1,65)	1:12:A:VAL:HG13	1:33:A:ARG:HD2	15	0.27
(1,65)	1:12:A:VAL:HG13	1:33:A:ARG:HD3	15	0.27
(1,65)	1:12:A:VAL:HG21	1:33:A:ARG:HD2	15	0.27
(1,65)	1:12:A:VAL:HG21	1:33:A:ARG:HD3	15	0.27
(1,65)	1:12:A:VAL:HG22	1:33:A:ARG:HD2	15	0.27
(1,65)	1:12:A:VAL:HG22	1:33:A:ARG:HD3	15	0.27
(1,65)	1:12:A:VAL:HG23	1:33:A:ARG:HD2	15	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,65)	1:12:A:VAL:HG23	1:33:A:ARG:HD3	15	0.27
(1,57)	1:12:A:VAL:HB	1:25:A:GLY:H	7	0.27
(1,35)	1:11:A:ARG:H	1:24:A:VAL:HA	12	0.27
(1,30)	1:10:A:THR:HG21	1:12:A:VAL:HB	13	0.27
(1,30)	1:10:A:THR:HG22	1:12:A:VAL:HB	13	0.27
(1,30)	1:10:A:THR:HG23	1:12:A:VAL:HB	13	0.27
(1,1750)	1:82:B:GLU:HB2	1:85:B:LYS:HD2	16	0.26
(1,1750)	1:82:B:GLU:HB2	1:85:B:LYS:HD3	16	0.26
(1,1750)	1:82:B:GLU:HB3	1:85:B:LYS:HD2	16	0.26
(1,1750)	1:82:B:GLU:HB3	1:85:B:LYS:HD3	16	0.26
(1,1674)	1:77:B:TYR:HA	1:80:B:LEU:HB2	15	0.26
(1,1674)	1:77:B:TYR:HA	1:80:B:LEU:HB3	15	0.26
(1,1673)	1:77:B:TYR:HA	1:80:B:LEU:H	18	0.26
(1,1607)	1:73:B:LEU:HA	1:76:B:GLU:HB2	6	0.26
(1,1607)	1:73:B:LEU:HA	1:76:B:GLU:HB3	6	0.26
(1,1595)	1:72:B:LYS:HA	1:75:B:GLU:HG2	20	0.26
(1,1595)	1:72:B:LYS:HA	1:75:B:GLU:HG3	20	0.26
(1,1493)	1:62:B:THR:HB	1:65:B:GLN:HB2	12	0.26
(1,1493)	1:62:B:THR:HB	1:65:B:GLN:HB3	12	0.26
(1,1473)	1:61:B:LEU:HA	1:64:B:VAL:HB	1	0.26
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD11	7	0.26
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD12	7	0.26
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD13	7	0.26
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD21	7	0.26
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD22	7	0.26
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD23	7	0.26
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG11	14	0.26
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG12	14	0.26
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG13	14	0.26
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG21	14	0.26
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG22	14	0.26
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG23	14	0.26
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG11	14	0.26
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG12	14	0.26
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG13	14	0.26
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG21	14	0.26
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG22	14	0.26
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG23	14	0.26
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG11	14	0.26
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG12	14	0.26
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG13	14	0.26
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG21	14	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG22	14	0.26
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG23	14	0.26
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB1	11	0.26
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB2	11	0.26
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB3	11	0.26
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB1	11	0.26
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB2	11	0.26
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB3	11	0.26
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB1	11	0.26
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB2	11	0.26
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB3	11	0.26
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB1	11	0.26
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB2	11	0.26
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB3	11	0.26
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB1	11	0.26
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB2	11	0.26
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB3	11	0.26
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB1	11	0.26
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB2	11	0.26
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB3	11	0.26
(1,1094)	1:16:B:ILE:H	1:21:B:TYR:H	2	0.26
(1,1093)	1:16:B:ILE:H	1:20:B:ASP:HA	15	0.26
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB1	18	0.26
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB2	18	0.26
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB3	18	0.26
(1,973)	1:84:A:LEU:HD11	1:85:A:LYS:H	2	0.26
(1,973)	1:84:A:LEU:HD12	1:85:A:LYS:H	2	0.26
(1,973)	1:84:A:LEU:HD13	1:85:A:LYS:H	2	0.26
(1,973)	1:84:A:LEU:HD21	1:85:A:LYS:H	2	0.26
(1,973)	1:84:A:LEU:HD22	1:85:A:LYS:H	2	0.26
(1,973)	1:84:A:LEU:HD23	1:85:A:LYS:H	2	0.26
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	16	0.26
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	16	0.26
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	20	0.26
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	20	0.26
(1,922)	1:80:A:LEU:HD11	1:82:A:GLU:H	11	0.26
(1,922)	1:80:A:LEU:HD12	1:82:A:GLU:H	11	0.26
(1,922)	1:80:A:LEU:HD13	1:82:A:GLU:H	11	0.26
(1,922)	1:80:A:LEU:HD21	1:82:A:GLU:H	11	0.26
(1,922)	1:80:A:LEU:HD22	1:82:A:GLU:H	11	0.26
(1,922)	1:80:A:LEU:HD23	1:82:A:GLU:H	11	0.26
(1,891)	1:79:A:ARG:H	1:79:A:ARG:HD2	17	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,891)	1:79:A:ARG:H	1:79:A:ARG:HD3	17	0.26
(1,877)	1:77:A:TYR:HE1	1:80:A:LEU:HD11	9	0.26
(1,877)	1:77:A:TYR:HE1	1:80:A:LEU:HD12	9	0.26
(1,877)	1:77:A:TYR:HE1	1:80:A:LEU:HD13	9	0.26
(1,877)	1:77:A:TYR:HE1	1:80:A:LEU:HD21	9	0.26
(1,877)	1:77:A:TYR:HE1	1:80:A:LEU:HD22	9	0.26
(1,877)	1:77:A:TYR:HE1	1:80:A:LEU:HD23	9	0.26
(1,877)	1:77:A:TYR:HE2	1:80:A:LEU:HD11	9	0.26
(1,877)	1:77:A:TYR:HE2	1:80:A:LEU:HD12	9	0.26
(1,877)	1:77:A:TYR:HE2	1:80:A:LEU:HD13	9	0.26
(1,877)	1:77:A:TYR:HE2	1:80:A:LEU:HD21	9	0.26
(1,877)	1:77:A:TYR:HE2	1:80:A:LEU:HD22	9	0.26
(1,877)	1:77:A:TYR:HE2	1:80:A:LEU:HD23	9	0.26
(1,857)	1:76:A:GLU:HG2	1:77:B:TYR:HE1	15	0.26
(1,857)	1:76:A:GLU:HG2	1:77:B:TYR:HE2	15	0.26
(1,857)	1:76:A:GLU:HG3	1:77:B:TYR:HE1	15	0.26
(1,857)	1:76:A:GLU:HG3	1:77:B:TYR:HE2	15	0.26
(1,842)	1:75:A:GLU:HB2	1:76:A:GLU:H	20	0.26
(1,842)	1:75:A:GLU:HB3	1:76:A:GLU:H	20	0.26
(1,801)	1:73:A:LEU:HD11	1:75:A:GLU:H	14	0.26
(1,801)	1:73:A:LEU:HD12	1:75:A:GLU:H	14	0.26
(1,801)	1:73:A:LEU:HD13	1:75:A:GLU:H	14	0.26
(1,801)	1:73:A:LEU:HD21	1:75:A:GLU:H	14	0.26
(1,801)	1:73:A:LEU:HD22	1:75:A:GLU:H	14	0.26
(1,801)	1:73:A:LEU:HD23	1:75:A:GLU:H	14	0.26
(1,790)	1:73:A:LEU:HG	1:74:B:LYS:HE2	7	0.26
(1,790)	1:73:A:LEU:HG	1:74:B:LYS:HE3	7	0.26
(1,772)	1:72:A:LYS:HA	1:74:A:LYS:H	1	0.26
(1,737)	1:71:A:LEU:H	1:70:B:TYR:HE1	2	0.26
(1,737)	1:71:A:LEU:H	1:70:B:TYR:HE2	2	0.26
(1,724)	1:70:A:TYR:HA	1:73:A:LEU:HG	12	0.26
(1,710)	1:69:A:GLU:H	1:72:A:LYS:HG2	20	0.26
(1,710)	1:69:A:GLU:H	1:72:A:LYS:HG3	20	0.26
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB1	13	0.26
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB2	13	0.26
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB3	13	0.26
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB1	13	0.26
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB2	13	0.26
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB3	13	0.26
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB1	13	0.26
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB2	13	0.26
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB3	13	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,656)	1:65:A:GLN:H	1:65:A:GLN:HG2	8	0.26
(1,656)	1:65:A:GLN:H	1:65:A:GLN:HG3	8	0.26
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG21	12	0.26
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG22	12	0.26
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG23	12	0.26
(1,560)	1:60:A:VAL:HB	1:63:A:ALA:HB1	4	0.26
(1,560)	1:60:A:VAL:HB	1:63:A:ALA:HB2	4	0.26
(1,560)	1:60:A:VAL:HB	1:63:A:ALA:HB3	4	0.26
(1,560)	1:60:A:VAL:HB	1:63:A:ALA:HB1	5	0.26
(1,560)	1:60:A:VAL:HB	1:63:A:ALA:HB2	5	0.26
(1,560)	1:60:A:VAL:HB	1:63:A:ALA:HB3	5	0.26
(1,504)	1:56:A:PRO:HG2	1:56:B:PRO:HA	1	0.26
(1,475)	1:51:A:PRO:HG2	1:52:A:MET:HG2	4	0.26
(1,475)	1:51:A:PRO:HG2	1:52:A:MET:HG3	4	0.26
(1,475)	1:51:A:PRO:HG3	1:52:A:MET:HG2	4	0.26
(1,475)	1:51:A:PRO:HG3	1:52:A:MET:HG3	4	0.26
(1,432)	1:46:A:PHE:HD1	1:62:A:THR:H	4	0.26
(1,432)	1:46:A:PHE:HD2	1:62:A:THR:H	4	0.26
(1,394)	1:43:A:MET:H	1:62:A:THR:HB	11	0.26
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG11	14	0.26
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG12	14	0.26
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG13	14	0.26
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG21	14	0.26
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG22	14	0.26
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG23	14	0.26
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG11	14	0.26
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG12	14	0.26
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG13	14	0.26
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG21	14	0.26
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG22	14	0.26
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG23	14	0.26
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG11	14	0.26
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG12	14	0.26
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG13	14	0.26
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG21	14	0.26
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG22	14	0.26
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG23	14	0.26
(1,289)	1:34:A:LEU:HD11	1:35:A:VAL:H	18	0.26
(1,289)	1:34:A:LEU:HD12	1:35:A:VAL:H	18	0.26
(1,289)	1:34:A:LEU:HD13	1:35:A:VAL:H	18	0.26
(1,289)	1:34:A:LEU:HD21	1:35:A:VAL:H	18	0.26
(1,289)	1:34:A:LEU:HD22	1:35:A:VAL:H	18	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,289)	1:34:A:LEU:HD23	1:35:A:VAL:H	18	0.26
(1,244)	1:31:A:HIS:HA	1:34:A:LEU:HB2	12	0.26
(1,244)	1:31:A:HIS:HA	1:34:A:LEU:HB3	12	0.26
(1,224)	1:27:A:GLU:HB2	1:72:B:LYS:H	10	0.26
(1,224)	1:27:A:GLU:HB3	1:72:B:LYS:H	10	0.26
(1,220)	1:27:A:GLU:H	1:27:A:GLU:HG2	9	0.26
(1,220)	1:27:A:GLU:H	1:27:A:GLU:HG3	9	0.26
(1,188)	1:23:A:ILE:H	1:23:A:ILE:HB	1	0.26
(1,164)	1:20:A:ASP:H	1:21:A:TYR:HE1	20	0.26
(1,164)	1:20:A:ASP:H	1:21:A:TYR:HE2	20	0.26
(1,94)	1:15:A:ARG:HA	1:21:A:TYR:H	5	0.26
(1,40)	1:11:A:ARG:HA	1:24:A:VAL:HA	14	0.26
(1,40)	1:11:A:ARG:HA	1:24:A:VAL:HA	15	0.26
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG11	20	0.26
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG12	20	0.26
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG13	20	0.26
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG21	20	0.26
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG22	20	0.26
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG23	20	0.26
(1,1748)	1:82:B:GLU:HA	1:85:B:LYS:HG2	2	0.25
(1,1748)	1:82:B:GLU:HA	1:85:B:LYS:HG3	2	0.25
(1,1715)	1:80:B:LEU:HD11	1:81:B:ARG:H	14	0.25
(1,1715)	1:80:B:LEU:HD12	1:81:B:ARG:H	14	0.25
(1,1715)	1:80:B:LEU:HD13	1:81:B:ARG:H	14	0.25
(1,1673)	1:77:B:TYR:HA	1:80:B:LEU:H	4	0.25
(1,1673)	1:77:B:TYR:HA	1:80:B:LEU:H	10	0.25
(1,1607)	1:73:B:LEU:HA	1:76:B:GLU:HB2	8	0.25
(1,1607)	1:73:B:LEU:HA	1:76:B:GLU:HB3	8	0.25
(1,1475)	1:61:B:LEU:HA	1:65:B:GLN:H	8	0.25
(1,1400)	1:51:B:PRO:HG2	1:52:B:MET:HG2	6	0.25
(1,1400)	1:51:B:PRO:HG2	1:52:B:MET:HG3	6	0.25
(1,1400)	1:51:B:PRO:HG3	1:52:B:MET:HG2	6	0.25
(1,1400)	1:51:B:PRO:HG3	1:52:B:MET:HG3	6	0.25
(1,1374)	1:48:B:GLU:HG2	1:49:B:LYS:H	12	0.25
(1,1374)	1:48:B:GLU:HG3	1:49:B:LYS:H	12	0.25
(1,1357)	1:46:B:PHE:HD1	1:62:B:THR:H	11	0.25
(1,1357)	1:46:B:PHE:HD2	1:62:B:THR:H	11	0.25
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD11	4	0.25
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD12	4	0.25
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD13	4	0.25
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD21	4	0.25
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD22	4	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD23	4	0.25
(1,1321)	1:43:B:MET:HA	1:62:B:THR:HB	7	0.25
(1,1310)	1:42:B:LYS:HD2	1:62:B:THR:HA	10	0.25
(1,1310)	1:42:B:LYS:HD3	1:62:B:THR:HA	10	0.25
(1,1194)	1:30:B:ALA:HA	1:33:B:ARG:HG2	8	0.25
(1,1194)	1:30:B:ALA:HA	1:33:B:ARG:HG3	8	0.25
(1,1194)	1:30:B:ALA:HA	1:33:B:ARG:HG2	20	0.25
(1,1194)	1:30:B:ALA:HA	1:33:B:ARG:HG3	20	0.25
(1,1155)	1:23:B:ILE:H	1:23:B:ILE:HB	17	0.25
(1,1094)	1:16:B:ILE:H	1:21:B:TYR:H	5	0.25
(1,1093)	1:16:B:ILE:H	1:20:B:ASP:HA	13	0.25
(1,1075)	1:15:B:ARG:HA	1:21:B:TYR:H	12	0.25
(1,1060)	1:14:B:VAL:H	1:23:B:ILE:H	6	0.25
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG11	13	0.25
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG12	13	0.25
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG13	13	0.25
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG21	13	0.25
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG22	13	0.25
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG23	13	0.25
(1,1004)	1:10:B:THR:H	1:26:B:ALA:HA	6	0.25
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	9	0.25
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	9	0.25
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	12	0.25
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	12	0.25
(1,918)	1:80:A:LEU:HD11	1:81:A:ARG:HA	9	0.25
(1,918)	1:80:A:LEU:HD12	1:81:A:ARG:HA	9	0.25
(1,918)	1:80:A:LEU:HD13	1:81:A:ARG:HA	9	0.25
(1,918)	1:80:A:LEU:HD21	1:81:A:ARG:HA	9	0.25
(1,918)	1:80:A:LEU:HD22	1:81:A:ARG:HA	9	0.25
(1,918)	1:80:A:LEU:HD23	1:81:A:ARG:HA	9	0.25
(1,913)	1:80:A:LEU:HD11	1:81:A:ARG:HA	9	0.25
(1,913)	1:80:A:LEU:HD12	1:81:A:ARG:HA	9	0.25
(1,913)	1:80:A:LEU:HD13	1:81:A:ARG:HA	9	0.25
(1,912)	1:80:A:LEU:HD11	1:81:A:ARG:H	8	0.25
(1,912)	1:80:A:LEU:HD12	1:81:A:ARG:H	8	0.25
(1,912)	1:80:A:LEU:HD13	1:81:A:ARG:H	8	0.25
(1,877)	1:77:A:TYR:HE1	1:80:A:LEU:HD11	2	0.25
(1,877)	1:77:A:TYR:HE1	1:80:A:LEU:HD12	2	0.25
(1,877)	1:77:A:TYR:HE1	1:80:A:LEU:HD13	2	0.25
(1,877)	1:77:A:TYR:HE1	1:80:A:LEU:HD21	2	0.25
(1,877)	1:77:A:TYR:HE1	1:80:A:LEU:HD22	2	0.25
(1,877)	1:77:A:TYR:HE1	1:80:A:LEU:HD23	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,877)	1:77:A:TYR:HE2	1:80:A:LEU:HD11	2	0.25
(1,877)	1:77:A:TYR:HE2	1:80:A:LEU:HD12	2	0.25
(1,877)	1:77:A:TYR:HE2	1:80:A:LEU:HD13	2	0.25
(1,877)	1:77:A:TYR:HE2	1:80:A:LEU:HD21	2	0.25
(1,877)	1:77:A:TYR:HE2	1:80:A:LEU:HD22	2	0.25
(1,877)	1:77:A:TYR:HE2	1:80:A:LEU:HD23	2	0.25
(1,842)	1:75:A:GLU:HB2	1:76:A:GLU:H	7	0.25
(1,842)	1:75:A:GLU:HB3	1:76:A:GLU:H	7	0.25
(1,829)	1:74:A:LYS:HE2	1:73:B:LEU:HG	10	0.25
(1,829)	1:74:A:LYS:HE3	1:73:B:LEU:HG	10	0.25
(1,799)	1:73:A:LEU:HD11	1:74:A:LYS:HA	19	0.25
(1,799)	1:73:A:LEU:HD12	1:74:A:LYS:HA	19	0.25
(1,799)	1:73:A:LEU:HD13	1:74:A:LYS:HA	19	0.25
(1,799)	1:73:A:LEU:HD21	1:74:A:LYS:HA	19	0.25
(1,799)	1:73:A:LEU:HD22	1:74:A:LYS:HA	19	0.25
(1,799)	1:73:A:LEU:HD23	1:74:A:LYS:HA	19	0.25
(1,798)	1:73:A:LEU:HD11	1:74:A:LYS:H	12	0.25
(1,798)	1:73:A:LEU:HD12	1:74:A:LYS:H	12	0.25
(1,798)	1:73:A:LEU:HD13	1:74:A:LYS:H	12	0.25
(1,798)	1:73:A:LEU:HD21	1:74:A:LYS:H	12	0.25
(1,798)	1:73:A:LEU:HD22	1:74:A:LYS:H	12	0.25
(1,798)	1:73:A:LEU:HD23	1:74:A:LYS:H	12	0.25
(1,759)	1:71:A:LEU:HD11	1:38:B:PHE:HD1	7	0.25
(1,759)	1:71:A:LEU:HD11	1:38:B:PHE:HD2	7	0.25
(1,759)	1:71:A:LEU:HD12	1:38:B:PHE:HD1	7	0.25
(1,759)	1:71:A:LEU:HD12	1:38:B:PHE:HD2	7	0.25
(1,759)	1:71:A:LEU:HD13	1:38:B:PHE:HD1	7	0.25
(1,759)	1:71:A:LEU:HD13	1:38:B:PHE:HD2	7	0.25
(1,759)	1:71:A:LEU:HD21	1:38:B:PHE:HD1	7	0.25
(1,759)	1:71:A:LEU:HD21	1:38:B:PHE:HD2	7	0.25
(1,759)	1:71:A:LEU:HD22	1:38:B:PHE:HD1	7	0.25
(1,759)	1:71:A:LEU:HD22	1:38:B:PHE:HD2	7	0.25
(1,759)	1:71:A:LEU:HD23	1:38:B:PHE:HD1	7	0.25
(1,759)	1:71:A:LEU:HD23	1:38:B:PHE:HD2	7	0.25
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD11	13	0.25
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD12	13	0.25
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD13	13	0.25
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD21	13	0.25
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD22	13	0.25
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD23	13	0.25
(1,692)	1:67:A:ALA:HB1	1:38:B:PHE:HE1	9	0.25
(1,692)	1:67:A:ALA:HB1	1:38:B:PHE:HE2	9	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,692)	1:67:A:ALA:HB2	1:38:B:PHE:HE1	9	0.25
(1,692)	1:67:A:ALA:HB2	1:38:B:PHE:HE2	9	0.25
(1,692)	1:67:A:ALA:HB3	1:38:B:PHE:HE1	9	0.25
(1,692)	1:67:A:ALA:HB3	1:38:B:PHE:HE2	9	0.25
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG21	19	0.25
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG22	19	0.25
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG23	19	0.25
(1,588)	1:61:A:LEU:HA	1:65:A:GLN:H	15	0.25
(1,565)	1:60:A:VAL:HG11	1:16:B:ILE:HD11	13	0.25
(1,565)	1:60:A:VAL:HG11	1:16:B:ILE:HD12	13	0.25
(1,565)	1:60:A:VAL:HG11	1:16:B:ILE:HD13	13	0.25
(1,565)	1:60:A:VAL:HG12	1:16:B:ILE:HD11	13	0.25
(1,565)	1:60:A:VAL:HG12	1:16:B:ILE:HD12	13	0.25
(1,565)	1:60:A:VAL:HG12	1:16:B:ILE:HD13	13	0.25
(1,565)	1:60:A:VAL:HG13	1:16:B:ILE:HD11	13	0.25
(1,565)	1:60:A:VAL:HG13	1:16:B:ILE:HD12	13	0.25
(1,565)	1:60:A:VAL:HG13	1:16:B:ILE:HD13	13	0.25
(1,565)	1:60:A:VAL:HG21	1:16:B:ILE:HD11	13	0.25
(1,565)	1:60:A:VAL:HG21	1:16:B:ILE:HD12	13	0.25
(1,565)	1:60:A:VAL:HG21	1:16:B:ILE:HD13	13	0.25
(1,565)	1:60:A:VAL:HG22	1:16:B:ILE:HD11	13	0.25
(1,565)	1:60:A:VAL:HG22	1:16:B:ILE:HD12	13	0.25
(1,565)	1:60:A:VAL:HG22	1:16:B:ILE:HD13	13	0.25
(1,565)	1:60:A:VAL:HG23	1:16:B:ILE:HD11	13	0.25
(1,565)	1:60:A:VAL:HG23	1:16:B:ILE:HD12	13	0.25
(1,565)	1:60:A:VAL:HG23	1:16:B:ILE:HD13	13	0.25
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG11	15	0.25
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG12	15	0.25
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG13	15	0.25
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG21	15	0.25
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG22	15	0.25
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG23	15	0.25
(1,444)	1:48:A:GLU:H	1:48:A:GLU:HG2	19	0.25
(1,444)	1:48:A:GLU:H	1:48:A:GLU:HG3	19	0.25
(1,433)	1:46:A:PHE:HD1	1:62:A:THR:HB	2	0.25
(1,433)	1:46:A:PHE:HD2	1:62:A:THR:HB	2	0.25
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD11	3	0.25
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD12	3	0.25
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD13	3	0.25
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD21	3	0.25
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD22	3	0.25
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD23	3	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD11	10	0.25
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD12	10	0.25
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD13	10	0.25
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD21	10	0.25
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD22	10	0.25
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD23	10	0.25
(1,388)	1:42:A:LYS:HE2	1:45:A:GLU:HG2	14	0.25
(1,388)	1:42:A:LYS:HE2	1:45:A:GLU:HG3	14	0.25
(1,388)	1:42:A:LYS:HE3	1:45:A:GLU:HG2	14	0.25
(1,388)	1:42:A:LYS:HE3	1:45:A:GLU:HG3	14	0.25
(1,386)	1:42:A:LYS:HD2	1:66:A:ILE:H	13	0.25
(1,386)	1:42:A:LYS:HD3	1:66:A:ILE:H	13	0.25
(1,382)	1:42:A:LYS:HA	1:45:A:GLU:HG2	9	0.25
(1,382)	1:42:A:LYS:HA	1:45:A:GLU:HG3	9	0.25
(1,188)	1:23:A:ILE:H	1:23:A:ILE:HB	12	0.25
(1,188)	1:23:A:ILE:H	1:23:A:ILE:HB	17	0.25
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD11	3	0.25
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD12	3	0.25
(1,175)	1:21:A:TYR:HD1	1:23:A:ILE:HD13	3	0.25
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD11	3	0.25
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD12	3	0.25
(1,175)	1:21:A:TYR:HD2	1:23:A:ILE:HD13	3	0.25
(1,150)	1:19:A:GLN:H	1:19:A:GLN:HG2	3	0.25
(1,150)	1:19:A:GLN:H	1:19:A:GLN:HG3	3	0.25
(1,143)	1:17:A:TYR:HE1	1:44:A:HIS:HA	13	0.25
(1,143)	1:17:A:TYR:HE2	1:44:A:HIS:HA	13	0.25
(1,113)	1:16:A:ILE:H	1:21:A:TYR:H	19	0.25
(1,112)	1:16:A:ILE:H	1:20:A:ASP:HA	17	0.25
(1,85)	1:14:A:VAL:HG11	1:33:A:ARG:H	6	0.25
(1,85)	1:14:A:VAL:HG12	1:33:A:ARG:H	6	0.25
(1,85)	1:14:A:VAL:HG13	1:33:A:ARG:H	6	0.25
(1,85)	1:14:A:VAL:HG21	1:33:A:ARG:H	6	0.25
(1,85)	1:14:A:VAL:HG22	1:33:A:ARG:H	6	0.25
(1,85)	1:14:A:VAL:HG23	1:33:A:ARG:H	6	0.25
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB1	16	0.25
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB2	16	0.25
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB3	16	0.25
(1,57)	1:12:A:VAL:HB	1:25:A:GLY:H	11	0.25
(1,40)	1:11:A:ARG:HA	1:24:A:VAL:HA	18	0.25
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD11	19	0.24
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD12	19	0.24
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD13	19	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD21	19	0.24
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD22	19	0.24
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD23	19	0.24
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD11	19	0.24
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD12	19	0.24
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD13	19	0.24
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD21	19	0.24
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD22	19	0.24
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD23	19	0.24
(1,1616)	1:73:B:LEU:HD11	1:75:B:GLU:H	16	0.24
(1,1616)	1:73:B:LEU:HD12	1:75:B:GLU:H	16	0.24
(1,1616)	1:73:B:LEU:HD13	1:75:B:GLU:H	16	0.24
(1,1616)	1:73:B:LEU:HD21	1:75:B:GLU:H	16	0.24
(1,1616)	1:73:B:LEU:HD22	1:75:B:GLU:H	16	0.24
(1,1616)	1:73:B:LEU:HD23	1:75:B:GLU:H	16	0.24
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD11	9	0.24
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD12	9	0.24
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD13	9	0.24
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD21	9	0.24
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD22	9	0.24
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD23	9	0.24
(1,1563)	1:70:B:TYR:HA	1:73:B:LEU:HG	10	0.24
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD11	19	0.24
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD12	19	0.24
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD13	19	0.24
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD11	19	0.24
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD12	19	0.24
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD13	19	0.24
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD21	19	0.24
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD22	19	0.24
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD23	19	0.24
(1,1155)	1:23:B:ILE:H	1:23:B:ILE:HB	2	0.24
(1,1138)	1:20:B:ASP:H	1:21:B:TYR:HE1	6	0.24
(1,1138)	1:20:B:ASP:H	1:21:B:TYR:HE2	6	0.24
(1,1136)	1:19:B:GLN:HG2	1:21:B:TYR:HE1	6	0.24
(1,1136)	1:19:B:GLN:HG2	1:21:B:TYR:HE2	6	0.24
(1,1136)	1:19:B:GLN:HG3	1:21:B:TYR:HE1	6	0.24
(1,1136)	1:19:B:GLN:HG3	1:21:B:TYR:HE2	6	0.24
(1,1111)	1:16:B:ILE:HG21	1:21:B:TYR:HE1	10	0.24
(1,1111)	1:16:B:ILE:HG21	1:21:B:TYR:HE2	10	0.24
(1,1111)	1:16:B:ILE:HG22	1:21:B:TYR:HE1	10	0.24
(1,1111)	1:16:B:ILE:HG22	1:21:B:TYR:HE2	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1111)	1:16:B:ILE:HG23	1:21:B:TYR:HE1	10	0.24
(1,1111)	1:16:B:ILE:HG23	1:21:B:TYR:HE2	10	0.24
(1,1111)	1:16:B:ILE:HG21	1:21:B:TYR:HE1	18	0.24
(1,1111)	1:16:B:ILE:HG21	1:21:B:TYR:HE2	18	0.24
(1,1111)	1:16:B:ILE:HG22	1:21:B:TYR:HE1	18	0.24
(1,1111)	1:16:B:ILE:HG22	1:21:B:TYR:HE2	18	0.24
(1,1111)	1:16:B:ILE:HG23	1:21:B:TYR:HE1	18	0.24
(1,1111)	1:16:B:ILE:HG23	1:21:B:TYR:HE2	18	0.24
(1,1110)	1:16:B:ILE:HG21	1:21:B:TYR:HD1	18	0.24
(1,1110)	1:16:B:ILE:HG21	1:21:B:TYR:HD2	18	0.24
(1,1110)	1:16:B:ILE:HG22	1:21:B:TYR:HD1	18	0.24
(1,1110)	1:16:B:ILE:HG22	1:21:B:TYR:HD2	18	0.24
(1,1110)	1:16:B:ILE:HG23	1:21:B:TYR:HD1	18	0.24
(1,1110)	1:16:B:ILE:HG23	1:21:B:TYR:HD2	18	0.24
(1,1066)	1:14:B:VAL:HG11	1:33:B:ARG:H	2	0.24
(1,1066)	1:14:B:VAL:HG12	1:33:B:ARG:H	2	0.24
(1,1066)	1:14:B:VAL:HG13	1:33:B:ARG:H	2	0.24
(1,1066)	1:14:B:VAL:HG21	1:33:B:ARG:H	2	0.24
(1,1066)	1:14:B:VAL:HG22	1:33:B:ARG:H	2	0.24
(1,1066)	1:14:B:VAL:HG23	1:33:B:ARG:H	2	0.24
(1,1046)	1:12:B:VAL:HG11	1:33:B:ARG:HD2	7	0.24
(1,1046)	1:12:B:VAL:HG11	1:33:B:ARG:HD3	7	0.24
(1,1046)	1:12:B:VAL:HG12	1:33:B:ARG:HD2	7	0.24
(1,1046)	1:12:B:VAL:HG12	1:33:B:ARG:HD3	7	0.24
(1,1046)	1:12:B:VAL:HG13	1:33:B:ARG:HD2	7	0.24
(1,1046)	1:12:B:VAL:HG13	1:33:B:ARG:HD3	7	0.24
(1,1046)	1:12:B:VAL:HG21	1:33:B:ARG:HD2	7	0.24
(1,1046)	1:12:B:VAL:HG21	1:33:B:ARG:HD3	7	0.24
(1,1046)	1:12:B:VAL:HG22	1:33:B:ARG:HD2	7	0.24
(1,1046)	1:12:B:VAL:HG22	1:33:B:ARG:HD3	7	0.24
(1,1046)	1:12:B:VAL:HG23	1:33:B:ARG:HD2	7	0.24
(1,1046)	1:12:B:VAL:HG23	1:33:B:ARG:HD3	7	0.24
(1,1016)	1:11:B:ARG:H	1:24:B:VAL:HA	19	0.24
(1,1010)	1:10:B:THR:HG21	1:12:B:VAL:HA	1	0.24
(1,1010)	1:10:B:THR:HG22	1:12:B:VAL:HA	1	0.24
(1,1010)	1:10:B:THR:HG23	1:12:B:VAL:HA	1	0.24
(1,937)	1:81:A:ARG:HG2	1:80:B:LEU:HD11	17	0.24
(1,937)	1:81:A:ARG:HG2	1:80:B:LEU:HD12	17	0.24
(1,937)	1:81:A:ARG:HG2	1:80:B:LEU:HD13	17	0.24
(1,913)	1:80:A:LEU:HD11	1:81:A:ARG:HA	5	0.24
(1,913)	1:80:A:LEU:HD12	1:81:A:ARG:HA	5	0.24
(1,913)	1:80:A:LEU:HD13	1:81:A:ARG:HA	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,897)	1:79:A:ARG:HA	1:82:A:GLU:H	14	0.24
(1,801)	1:73:A:LEU:HD11	1:75:A:GLU:H	2	0.24
(1,801)	1:73:A:LEU:HD12	1:75:A:GLU:H	2	0.24
(1,801)	1:73:A:LEU:HD13	1:75:A:GLU:H	2	0.24
(1,801)	1:73:A:LEU:HD21	1:75:A:GLU:H	2	0.24
(1,801)	1:73:A:LEU:HD22	1:75:A:GLU:H	2	0.24
(1,801)	1:73:A:LEU:HD23	1:75:A:GLU:H	2	0.24
(1,793)	1:73:A:LEU:HD11	1:74:A:LYS:HA	18	0.24
(1,793)	1:73:A:LEU:HD12	1:74:A:LYS:HA	18	0.24
(1,793)	1:73:A:LEU:HD13	1:74:A:LYS:HA	18	0.24
(1,790)	1:73:A:LEU:HG	1:74:B:LYS:HE2	20	0.24
(1,790)	1:73:A:LEU:HG	1:74:B:LYS:HE3	20	0.24
(1,788)	1:73:A:LEU:HA	1:76:A:GLU:HB2	13	0.24
(1,788)	1:73:A:LEU:HA	1:76:A:GLU:HB3	13	0.24
(1,750)	1:71:A:LEU:HA	1:75:A:GLU:HB2	4	0.24
(1,750)	1:71:A:LEU:HA	1:75:A:GLU:HB3	4	0.24
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD11	11	0.24
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD12	11	0.24
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD13	11	0.24
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD21	11	0.24
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD22	11	0.24
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD23	11	0.24
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG21	14	0.24
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG22	14	0.24
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG23	14	0.24
(1,656)	1:65:A:GLN:H	1:65:A:GLN:HG2	5	0.24
(1,656)	1:65:A:GLN:H	1:65:A:GLN:HG3	5	0.24
(1,656)	1:65:A:GLN:H	1:65:A:GLN:HG2	15	0.24
(1,656)	1:65:A:GLN:H	1:65:A:GLN:HG3	15	0.24
(1,656)	1:65:A:GLN:H	1:65:A:GLN:HG2	20	0.24
(1,656)	1:65:A:GLN:H	1:65:A:GLN:HG3	20	0.24
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD11	1	0.24
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD12	1	0.24
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD13	1	0.24
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD11	5	0.24
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD12	5	0.24
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD13	5	0.24
(1,599)	1:62:A:THR:H	1:63:B:ALA:HB1	8	0.24
(1,599)	1:62:A:THR:H	1:63:B:ALA:HB2	8	0.24
(1,599)	1:62:A:THR:H	1:63:B:ALA:HB3	8	0.24
(1,588)	1:61:A:LEU:HA	1:65:A:GLN:H	16	0.24
(1,475)	1:51:A:PRO:HG2	1:52:A:MET:HG2	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,475)	1:51:A:PRO:HG2	1:52:A:MET:HG3	1	0.24
(1,475)	1:51:A:PRO:HG3	1:52:A:MET:HG2	1	0.24
(1,475)	1:51:A:PRO:HG3	1:52:A:MET:HG3	1	0.24
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD11	19	0.24
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD12	19	0.24
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD13	19	0.24
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD21	19	0.24
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD22	19	0.24
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD23	19	0.24
(1,399)	1:43:A:MET:HB2	1:58:A:LEU:HG	12	0.24
(1,399)	1:43:A:MET:HB3	1:58:A:LEU:HG	12	0.24
(1,394)	1:43:A:MET:H	1:62:A:THR:HB	9	0.24
(1,262)	1:32:A:ILE:HG12	1:33:A:ARG:HB2	17	0.24
(1,262)	1:32:A:ILE:HG12	1:33:A:ARG:HB3	17	0.24
(1,262)	1:32:A:ILE:HG13	1:33:A:ARG:HB2	17	0.24
(1,262)	1:32:A:ILE:HG13	1:33:A:ARG:HB3	17	0.24
(1,200)	1:23:A:ILE:HD11	1:65:B:GLN:HG2	8	0.24
(1,200)	1:23:A:ILE:HD11	1:65:B:GLN:HG3	8	0.24
(1,200)	1:23:A:ILE:HD12	1:65:B:GLN:HG2	8	0.24
(1,200)	1:23:A:ILE:HD12	1:65:B:GLN:HG3	8	0.24
(1,200)	1:23:A:ILE:HD13	1:65:B:GLN:HG2	8	0.24
(1,200)	1:23:A:ILE:HD13	1:65:B:GLN:HG3	8	0.24
(1,198)	1:23:A:ILE:HD11	1:64:B:VAL:HB	16	0.24
(1,198)	1:23:A:ILE:HD12	1:64:B:VAL:HB	16	0.24
(1,198)	1:23:A:ILE:HD13	1:64:B:VAL:HB	16	0.24
(1,164)	1:20:A:ASP:H	1:21:A:TYR:HE1	3	0.24
(1,164)	1:20:A:ASP:H	1:21:A:TYR:HE2	3	0.24
(1,156)	1:19:A:GLN:HB2	1:52:B:MET:HG3	12	0.24
(1,133)	1:16:A:ILE:HG21	1:60:B:VAL:HB	18	0.24
(1,133)	1:16:A:ILE:HG22	1:60:B:VAL:HB	18	0.24
(1,133)	1:16:A:ILE:HG23	1:60:B:VAL:HB	18	0.24
(1,121)	1:16:A:ILE:HB	1:60:B:VAL:HG11	12	0.24
(1,121)	1:16:A:ILE:HB	1:60:B:VAL:HG12	12	0.24
(1,121)	1:16:A:ILE:HB	1:60:B:VAL:HG13	12	0.24
(1,94)	1:15:A:ARG:HA	1:21:A:TYR:H	15	0.24
(1,61)	1:12:A:VAL:HG11	1:29:A:PRO:HA	11	0.24
(1,61)	1:12:A:VAL:HG12	1:29:A:PRO:HA	11	0.24
(1,61)	1:12:A:VAL:HG13	1:29:A:PRO:HA	11	0.24
(1,61)	1:12:A:VAL:HG21	1:29:A:PRO:HA	11	0.24
(1,61)	1:12:A:VAL:HG22	1:29:A:PRO:HA	11	0.24
(1,61)	1:12:A:VAL:HG23	1:29:A:PRO:HA	11	0.24
(1,40)	1:11:A:ARG:HA	1:24:A:VAL:HA	4	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,37)	1:11:A:ARG:H	1:25:A:GLY:H	12	0.24
(1,35)	1:11:A:ARG:H	1:24:A:VAL:HA	17	0.24
(1,4)	1:8:A:PRO:HG2	1:9:A:LYS:H	11	0.24
(1,4)	1:8:A:PRO:HG3	1:9:A:LYS:H	11	0.24
(1,1769)	1:84:B:LEU:HD11	1:85:B:LYS:H	15	0.23
(1,1769)	1:84:B:LEU:HD12	1:85:B:LYS:H	15	0.23
(1,1769)	1:84:B:LEU:HD13	1:85:B:LYS:H	15	0.23
(1,1769)	1:84:B:LEU:HD21	1:85:B:LYS:H	15	0.23
(1,1769)	1:84:B:LEU:HD22	1:85:B:LYS:H	15	0.23
(1,1769)	1:84:B:LEU:HD23	1:85:B:LYS:H	15	0.23
(1,1755)	1:83:B:GLN:H	1:83:B:GLN:HG2	9	0.23
(1,1755)	1:83:B:GLN:H	1:83:B:GLN:HG3	9	0.23
(1,1614)	1:73:B:LEU:HD11	1:74:B:LYS:HA	19	0.23
(1,1614)	1:73:B:LEU:HD12	1:74:B:LYS:HA	19	0.23
(1,1614)	1:73:B:LEU:HD13	1:74:B:LYS:HA	19	0.23
(1,1614)	1:73:B:LEU:HD21	1:74:B:LYS:HA	19	0.23
(1,1614)	1:73:B:LEU:HD22	1:74:B:LYS:HA	19	0.23
(1,1614)	1:73:B:LEU:HD23	1:74:B:LYS:HA	19	0.23
(1,1607)	1:73:B:LEU:HA	1:76:B:GLU:HB2	17	0.23
(1,1607)	1:73:B:LEU:HA	1:76:B:GLU:HB3	17	0.23
(1,1475)	1:61:B:LEU:HA	1:65:B:GLN:H	6	0.23
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG11	13	0.23
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG12	13	0.23
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG13	13	0.23
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG21	13	0.23
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG22	13	0.23
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG23	13	0.23
(1,1255)	1:35:B:VAL:HG11	1:38:B:PHE:HD1	10	0.23
(1,1255)	1:35:B:VAL:HG11	1:38:B:PHE:HD2	10	0.23
(1,1255)	1:35:B:VAL:HG12	1:38:B:PHE:HD1	10	0.23
(1,1255)	1:35:B:VAL:HG12	1:38:B:PHE:HD2	10	0.23
(1,1255)	1:35:B:VAL:HG13	1:38:B:PHE:HD1	10	0.23
(1,1255)	1:35:B:VAL:HG13	1:38:B:PHE:HD2	10	0.23
(1,1255)	1:35:B:VAL:HG21	1:38:B:PHE:HD1	10	0.23
(1,1255)	1:35:B:VAL:HG21	1:38:B:PHE:HD2	10	0.23
(1,1255)	1:35:B:VAL:HG22	1:38:B:PHE:HD1	10	0.23
(1,1255)	1:35:B:VAL:HG22	1:38:B:PHE:HD2	10	0.23
(1,1255)	1:35:B:VAL:HG23	1:38:B:PHE:HD1	10	0.23
(1,1255)	1:35:B:VAL:HG23	1:38:B:PHE:HD2	10	0.23
(1,1219)	1:32:B:ILE:HG12	1:33:B:ARG:HB2	10	0.23
(1,1219)	1:32:B:ILE:HG12	1:33:B:ARG:HB3	10	0.23
(1,1219)	1:32:B:ILE:HG13	1:33:B:ARG:HB2	10	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1219)	1:32:B:ILE:HG13	1:33:B:ARG:HB3	10	0.23
(1,1155)	1:23:B:ILE:H	1:23:B:ILE:HB	1	0.23
(1,1103)	1:16:B:ILE:HD11	1:21:B:TYR:HE1	13	0.23
(1,1103)	1:16:B:ILE:HD11	1:21:B:TYR:HE2	13	0.23
(1,1103)	1:16:B:ILE:HD12	1:21:B:TYR:HE1	13	0.23
(1,1103)	1:16:B:ILE:HD12	1:21:B:TYR:HE2	13	0.23
(1,1103)	1:16:B:ILE:HD13	1:21:B:TYR:HE1	13	0.23
(1,1103)	1:16:B:ILE:HD13	1:21:B:TYR:HE2	13	0.23
(1,1075)	1:15:B:ARG:HA	1:21:B:TYR:H	8	0.23
(1,1060)	1:14:B:VAL:H	1:23:B:ILE:H	1	0.23
(1,1059)	1:14:B:VAL:H	1:22:B:THR:HG21	14	0.23
(1,1059)	1:14:B:VAL:H	1:22:B:THR:HG22	14	0.23
(1,1059)	1:14:B:VAL:H	1:22:B:THR:HG23	14	0.23
(1,1045)	1:12:B:VAL:HG11	1:33:B:ARG:HA	9	0.23
(1,1045)	1:12:B:VAL:HG12	1:33:B:ARG:HA	9	0.23
(1,1045)	1:12:B:VAL:HG13	1:33:B:ARG:HA	9	0.23
(1,1045)	1:12:B:VAL:HG21	1:33:B:ARG:HA	9	0.23
(1,1045)	1:12:B:VAL:HG22	1:33:B:ARG:HA	9	0.23
(1,1045)	1:12:B:VAL:HG23	1:33:B:ARG:HA	9	0.23
(1,1010)	1:10:B:THR:HG21	1:12:B:VAL:HA	14	0.23
(1,1010)	1:10:B:THR:HG22	1:12:B:VAL:HA	14	0.23
(1,1010)	1:10:B:THR:HG23	1:12:B:VAL:HA	14	0.23
(1,928)	1:81:A:ARG:H	1:82:A:GLU:HG2	7	0.23
(1,928)	1:81:A:ARG:H	1:82:A:GLU:HG3	7	0.23
(1,918)	1:80:A:LEU:HD11	1:81:A:ARG:HA	1	0.23
(1,918)	1:80:A:LEU:HD12	1:81:A:ARG:HA	1	0.23
(1,918)	1:80:A:LEU:HD13	1:81:A:ARG:HA	1	0.23
(1,918)	1:80:A:LEU:HD21	1:81:A:ARG:HA	1	0.23
(1,918)	1:80:A:LEU:HD22	1:81:A:ARG:HA	1	0.23
(1,918)	1:80:A:LEU:HD23	1:81:A:ARG:HA	1	0.23
(1,908)	1:80:A:LEU:HA	1:83:A:GLN:H	20	0.23
(1,897)	1:79:A:ARG:HA	1:82:A:GLU:H	10	0.23
(1,897)	1:79:A:ARG:HA	1:82:A:GLU:H	12	0.23
(1,875)	1:77:A:TYR:HE1	1:81:B:ARG:HD2	13	0.23
(1,875)	1:77:A:TYR:HE2	1:81:B:ARG:HD2	13	0.23
(1,875)	1:77:A:TYR:HE1	1:81:B:ARG:HD3	13	0.23
(1,875)	1:77:A:TYR:HE2	1:81:B:ARG:HD3	13	0.23
(1,858)	1:76:A:GLU:HG2	1:77:A:TYR:HA	10	0.23
(1,858)	1:76:A:GLU:HG3	1:77:A:TYR:HA	10	0.23
(1,829)	1:74:A:LYS:HE2	1:73:B:LEU:HG	5	0.23
(1,829)	1:74:A:LYS:HE3	1:73:B:LEU:HG	5	0.23
(1,802)	1:73:A:LEU:HD11	1:76:A:GLU:HB2	17	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,802)	1:73:A:LEU:HD11	1:76:A:GLU:HB3	17	0.23
(1,802)	1:73:A:LEU:HD12	1:76:A:GLU:HB2	17	0.23
(1,802)	1:73:A:LEU:HD12	1:76:A:GLU:HB3	17	0.23
(1,802)	1:73:A:LEU:HD13	1:76:A:GLU:HB2	17	0.23
(1,802)	1:73:A:LEU:HD13	1:76:A:GLU:HB3	17	0.23
(1,802)	1:73:A:LEU:HD21	1:76:A:GLU:HB2	17	0.23
(1,802)	1:73:A:LEU:HD21	1:76:A:GLU:HB3	17	0.23
(1,802)	1:73:A:LEU:HD22	1:76:A:GLU:HB2	17	0.23
(1,802)	1:73:A:LEU:HD22	1:76:A:GLU:HB3	17	0.23
(1,802)	1:73:A:LEU:HD23	1:76:A:GLU:HB2	17	0.23
(1,802)	1:73:A:LEU:HD23	1:76:A:GLU:HB3	17	0.23
(1,765)	1:72:A:LYS:H	1:27:B:GLU:HB2	10	0.23
(1,765)	1:72:A:LYS:H	1:27:B:GLU:HB3	10	0.23
(1,758)	1:71:A:LEU:HD11	1:38:B:PHE:HB2	11	0.23
(1,758)	1:71:A:LEU:HD11	1:38:B:PHE:HB3	11	0.23
(1,758)	1:71:A:LEU:HD12	1:38:B:PHE:HB2	11	0.23
(1,758)	1:71:A:LEU:HD12	1:38:B:PHE:HB3	11	0.23
(1,758)	1:71:A:LEU:HD13	1:38:B:PHE:HB2	11	0.23
(1,758)	1:71:A:LEU:HD13	1:38:B:PHE:HB3	11	0.23
(1,758)	1:71:A:LEU:HD21	1:38:B:PHE:HB2	11	0.23
(1,758)	1:71:A:LEU:HD21	1:38:B:PHE:HB3	11	0.23
(1,758)	1:71:A:LEU:HD22	1:38:B:PHE:HB2	11	0.23
(1,758)	1:71:A:LEU:HD22	1:38:B:PHE:HB3	11	0.23
(1,758)	1:71:A:LEU:HD23	1:38:B:PHE:HB2	11	0.23
(1,758)	1:71:A:LEU:HD23	1:38:B:PHE:HB3	11	0.23
(1,750)	1:71:A:LEU:HA	1:75:A:GLU:HB2	3	0.23
(1,750)	1:71:A:LEU:HA	1:75:A:GLU:HB3	3	0.23
(1,750)	1:71:A:LEU:HA	1:75:A:GLU:HB2	6	0.23
(1,750)	1:71:A:LEU:HA	1:75:A:GLU:HB3	6	0.23
(1,729)	1:70:A:TYR:HD1	1:67:B:ALA:HA	13	0.23
(1,729)	1:70:A:TYR:HD2	1:67:B:ALA:HA	13	0.23
(1,675)	1:66:A:ILE:HG21	1:63:B:ALA:HA	1	0.23
(1,675)	1:66:A:ILE:HG22	1:63:B:ALA:HA	1	0.23
(1,675)	1:66:A:ILE:HG23	1:63:B:ALA:HA	1	0.23
(1,675)	1:66:A:ILE:HG21	1:63:B:ALA:HA	8	0.23
(1,675)	1:66:A:ILE:HG22	1:63:B:ALA:HA	8	0.23
(1,675)	1:66:A:ILE:HG23	1:63:B:ALA:HA	8	0.23
(1,665)	1:65:A:GLN:HG2	1:23:B:ILE:HD11	13	0.23
(1,665)	1:65:A:GLN:HG2	1:23:B:ILE:HD12	13	0.23
(1,665)	1:65:A:GLN:HG2	1:23:B:ILE:HD13	13	0.23
(1,665)	1:65:A:GLN:HG3	1:23:B:ILE:HD11	13	0.23
(1,665)	1:65:A:GLN:HG3	1:23:B:ILE:HD12	13	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,665)	1:65:A:GLN:HG3	1:23:B:ILE:HD13	13	0.23
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG21	17	0.23
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG22	17	0.23
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG23	17	0.23
(1,618)	1:63:A:ALA:HB1	1:62:B:THR:H	19	0.23
(1,618)	1:63:A:ALA:HB2	1:62:B:THR:H	19	0.23
(1,618)	1:63:A:ALA:HB3	1:62:B:THR:H	19	0.23
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG21	13	0.23
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG22	13	0.23
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG23	13	0.23
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD11	9	0.23
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD12	9	0.23
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD13	9	0.23
(1,537)	1:59:A:ALA:H	1:56:B:PRO:HA	12	0.23
(1,524)	1:57:A:LYS:HD2	1:19:B:GLN:HB3	3	0.23
(1,524)	1:57:A:LYS:HD3	1:19:B:GLN:HB3	3	0.23
(1,504)	1:56:A:PRO:HG2	1:56:B:PRO:HA	13	0.23
(1,482)	1:52:A:MET:HG2	1:21:B:TYR:HD1	15	0.23
(1,482)	1:52:A:MET:HG2	1:21:B:TYR:HD2	15	0.23
(1,482)	1:52:A:MET:HG3	1:21:B:TYR:HD1	15	0.23
(1,482)	1:52:A:MET:HG3	1:21:B:TYR:HD2	15	0.23
(1,444)	1:48:A:GLU:H	1:48:A:GLU:HG2	9	0.23
(1,444)	1:48:A:GLU:H	1:48:A:GLU:HG3	9	0.23
(1,442)	1:47:A:SER:HB2	1:58:A:LEU:HD11	17	0.23
(1,442)	1:47:A:SER:HB2	1:58:A:LEU:HD12	17	0.23
(1,442)	1:47:A:SER:HB2	1:58:A:LEU:HD13	17	0.23
(1,442)	1:47:A:SER:HB2	1:58:A:LEU:HD21	17	0.23
(1,442)	1:47:A:SER:HB2	1:58:A:LEU:HD22	17	0.23
(1,442)	1:47:A:SER:HB2	1:58:A:LEU:HD23	17	0.23
(1,442)	1:47:A:SER:HB3	1:58:A:LEU:HD11	17	0.23
(1,442)	1:47:A:SER:HB3	1:58:A:LEU:HD12	17	0.23
(1,442)	1:47:A:SER:HB3	1:58:A:LEU:HD13	17	0.23
(1,442)	1:47:A:SER:HB3	1:58:A:LEU:HD21	17	0.23
(1,442)	1:47:A:SER:HB3	1:58:A:LEU:HD22	17	0.23
(1,442)	1:47:A:SER:HB3	1:58:A:LEU:HD23	17	0.23
(1,437)	1:47:A:SER:H	1:58:A:LEU:HG	1	0.23
(1,437)	1:47:A:SER:H	1:58:A:LEU:HG	10	0.23
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD11	8	0.23
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD12	8	0.23
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD13	8	0.23
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD21	8	0.23
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD22	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD23	8	0.23
(1,399)	1:43:A:MET:HB2	1:58:A:LEU:HG	9	0.23
(1,399)	1:43:A:MET:HB3	1:58:A:LEU:HG	9	0.23
(1,386)	1:42:A:LYS:HD2	1:66:A:ILE:H	6	0.23
(1,386)	1:42:A:LYS:HD3	1:66:A:ILE:H	6	0.23
(1,237)	1:30:A:ALA:HA	1:33:A:ARG:HG2	5	0.23
(1,237)	1:30:A:ALA:HA	1:33:A:ARG:HG3	5	0.23
(1,227)	1:28:A:SER:H	1:31:A:HIS:HB2	20	0.23
(1,227)	1:28:A:SER:H	1:31:A:HIS:HB3	20	0.23
(1,213)	1:24:A:VAL:HB	1:65:B:GLN:HG2	9	0.23
(1,172)	1:21:A:TYR:HB2	1:23:A:ILE:HD11	15	0.23
(1,172)	1:21:A:TYR:HB2	1:23:A:ILE:HD12	15	0.23
(1,172)	1:21:A:TYR:HB2	1:23:A:ILE:HD13	15	0.23
(1,172)	1:21:A:TYR:HB3	1:23:A:ILE:HD11	15	0.23
(1,172)	1:21:A:TYR:HB3	1:23:A:ILE:HD12	15	0.23
(1,172)	1:21:A:TYR:HB3	1:23:A:ILE:HD13	15	0.23
(1,164)	1:20:A:ASP:H	1:21:A:TYR:HE1	10	0.23
(1,164)	1:20:A:ASP:H	1:21:A:TYR:HE2	10	0.23
(1,133)	1:16:A:ILE:HG21	1:60:B:VAL:HB	5	0.23
(1,133)	1:16:A:ILE:HG22	1:60:B:VAL:HB	5	0.23
(1,133)	1:16:A:ILE:HG23	1:60:B:VAL:HB	5	0.23
(1,121)	1:16:A:ILE:HB	1:60:B:VAL:HG11	16	0.23
(1,121)	1:16:A:ILE:HB	1:60:B:VAL:HG12	16	0.23
(1,121)	1:16:A:ILE:HB	1:60:B:VAL:HG13	16	0.23
(1,89)	1:15:A:ARG:H	1:15:A:ARG:HD2	14	0.23
(1,89)	1:15:A:ARG:H	1:15:A:ARG:HD3	14	0.23
(1,61)	1:12:A:VAL:HG11	1:29:A:PRO:HA	15	0.23
(1,61)	1:12:A:VAL:HG12	1:29:A:PRO:HA	15	0.23
(1,61)	1:12:A:VAL:HG13	1:29:A:PRO:HA	15	0.23
(1,61)	1:12:A:VAL:HG21	1:29:A:PRO:HA	15	0.23
(1,61)	1:12:A:VAL:HG22	1:29:A:PRO:HA	15	0.23
(1,61)	1:12:A:VAL:HG23	1:29:A:PRO:HA	15	0.23
(1,52)	1:12:A:VAL:H	1:24:A:VAL:HA	11	0.23
(1,40)	1:11:A:ARG:HA	1:24:A:VAL:HA	9	0.23
(1,35)	1:11:A:ARG:H	1:24:A:VAL:HA	1	0.23
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD11	10	0.22
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD12	10	0.22
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD13	10	0.22
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD21	10	0.22
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD22	10	0.22
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD23	10	0.22
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD11	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD12	10	0.22
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD13	10	0.22
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD21	10	0.22
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD22	10	0.22
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD23	10	0.22
(1,1617)	1:73:B:LEU:HD11	1:76:B:GLU:HB2	8	0.22
(1,1617)	1:73:B:LEU:HD11	1:76:B:GLU:HB3	8	0.22
(1,1617)	1:73:B:LEU:HD12	1:76:B:GLU:HB2	8	0.22
(1,1617)	1:73:B:LEU:HD12	1:76:B:GLU:HB3	8	0.22
(1,1617)	1:73:B:LEU:HD13	1:76:B:GLU:HB2	8	0.22
(1,1617)	1:73:B:LEU:HD13	1:76:B:GLU:HB3	8	0.22
(1,1617)	1:73:B:LEU:HD21	1:76:B:GLU:HB2	8	0.22
(1,1617)	1:73:B:LEU:HD21	1:76:B:GLU:HB3	8	0.22
(1,1617)	1:73:B:LEU:HD22	1:76:B:GLU:HB2	8	0.22
(1,1617)	1:73:B:LEU:HD22	1:76:B:GLU:HB3	8	0.22
(1,1617)	1:73:B:LEU:HD23	1:76:B:GLU:HB2	8	0.22
(1,1617)	1:73:B:LEU:HD23	1:76:B:GLU:HB3	8	0.22
(1,1616)	1:73:B:LEU:HD11	1:75:B:GLU:H	5	0.22
(1,1616)	1:73:B:LEU:HD12	1:75:B:GLU:H	5	0.22
(1,1616)	1:73:B:LEU:HD13	1:75:B:GLU:H	5	0.22
(1,1616)	1:73:B:LEU:HD21	1:75:B:GLU:H	5	0.22
(1,1616)	1:73:B:LEU:HD22	1:75:B:GLU:H	5	0.22
(1,1616)	1:73:B:LEU:HD23	1:75:B:GLU:H	5	0.22
(1,1614)	1:73:B:LEU:HD11	1:74:B:LYS:HA	13	0.22
(1,1614)	1:73:B:LEU:HD12	1:74:B:LYS:HA	13	0.22
(1,1614)	1:73:B:LEU:HD13	1:74:B:LYS:HA	13	0.22
(1,1614)	1:73:B:LEU:HD21	1:74:B:LYS:HA	13	0.22
(1,1614)	1:73:B:LEU:HD22	1:74:B:LYS:HA	13	0.22
(1,1614)	1:73:B:LEU:HD23	1:74:B:LYS:HA	13	0.22
(1,1574)	1:71:B:LEU:HA	1:74:B:LYS:HB2	20	0.22
(1,1574)	1:71:B:LEU:HA	1:74:B:LYS:HB3	20	0.22
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD11	1	0.22
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD12	1	0.22
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD13	1	0.22
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD21	1	0.22
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD22	1	0.22
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD23	1	0.22
(1,1539)	1:68:B:SER:H	1:71:B:LEU:HD11	16	0.22
(1,1539)	1:68:B:SER:H	1:71:B:LEU:HD12	16	0.22
(1,1539)	1:68:B:SER:H	1:71:B:LEU:HD13	16	0.22
(1,1539)	1:68:B:SER:H	1:71:B:LEU:HD21	16	0.22
(1,1539)	1:68:B:SER:H	1:71:B:LEU:HD22	16	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1539)	1:68:B:SER:H	1:71:B:LEU:HD23	16	0.22
(1,1514)	1:65:B:GLN:H	1:65:B:GLN:HG2	1	0.22
(1,1514)	1:65:B:GLN:H	1:65:B:GLN:HG3	1	0.22
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD11	17	0.22
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD12	17	0.22
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD13	17	0.22
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD21	17	0.22
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD22	17	0.22
(1,1404)	1:52:B:MET:H	1:53:B:LEU:HD23	17	0.22
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD11	15	0.22
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD12	15	0.22
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD13	15	0.22
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD21	15	0.22
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD22	15	0.22
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD23	15	0.22
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB1	6	0.22
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB2	6	0.22
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB3	6	0.22
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB1	6	0.22
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB2	6	0.22
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB3	6	0.22
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB1	6	0.22
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB2	6	0.22
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB3	6	0.22
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB1	6	0.22
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB2	6	0.22
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB3	6	0.22
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB1	6	0.22
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB2	6	0.22
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB3	6	0.22
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB1	6	0.22
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB2	6	0.22
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB3	6	0.22
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB1	10	0.22
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB2	10	0.22
(1,1253)	1:35:B:VAL:HG11	1:36:B:ALA:HB3	10	0.22
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB1	10	0.22
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB2	10	0.22
(1,1253)	1:35:B:VAL:HG12	1:36:B:ALA:HB3	10	0.22
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB1	10	0.22
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB2	10	0.22
(1,1253)	1:35:B:VAL:HG13	1:36:B:ALA:HB3	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB1	10	0.22
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB2	10	0.22
(1,1253)	1:35:B:VAL:HG21	1:36:B:ALA:HB3	10	0.22
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB1	10	0.22
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB2	10	0.22
(1,1253)	1:35:B:VAL:HG22	1:36:B:ALA:HB3	10	0.22
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB1	10	0.22
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB2	10	0.22
(1,1253)	1:35:B:VAL:HG23	1:36:B:ALA:HB3	10	0.22
(1,1215)	1:32:B:ILE:HA	1:36:B:ALA:H	7	0.22
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD11	17	0.22
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD12	17	0.22
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD13	17	0.22
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD21	17	0.22
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD22	17	0.22
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD23	17	0.22
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD11	17	0.22
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD12	17	0.22
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD13	17	0.22
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD21	17	0.22
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD22	17	0.22
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD23	17	0.22
(1,1110)	1:16:B:ILE:HG21	1:21:B:TYR:HD1	4	0.22
(1,1110)	1:16:B:ILE:HG21	1:21:B:TYR:HD2	4	0.22
(1,1110)	1:16:B:ILE:HG22	1:21:B:TYR:HD1	4	0.22
(1,1110)	1:16:B:ILE:HG22	1:21:B:TYR:HD2	4	0.22
(1,1110)	1:16:B:ILE:HG23	1:21:B:TYR:HD1	4	0.22
(1,1110)	1:16:B:ILE:HG23	1:21:B:TYR:HD2	4	0.22
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB1	11	0.22
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB2	11	0.22
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB3	11	0.22
(1,1046)	1:12:B:VAL:HG11	1:33:B:ARG:HD2	8	0.22
(1,1046)	1:12:B:VAL:HG11	1:33:B:ARG:HD3	8	0.22
(1,1046)	1:12:B:VAL:HG12	1:33:B:ARG:HD2	8	0.22
(1,1046)	1:12:B:VAL:HG12	1:33:B:ARG:HD3	8	0.22
(1,1046)	1:12:B:VAL:HG13	1:33:B:ARG:HD2	8	0.22
(1,1046)	1:12:B:VAL:HG13	1:33:B:ARG:HD3	8	0.22
(1,1046)	1:12:B:VAL:HG21	1:33:B:ARG:HD2	8	0.22
(1,1046)	1:12:B:VAL:HG21	1:33:B:ARG:HD3	8	0.22
(1,1046)	1:12:B:VAL:HG22	1:33:B:ARG:HD2	8	0.22
(1,1046)	1:12:B:VAL:HG22	1:33:B:ARG:HD3	8	0.22
(1,1046)	1:12:B:VAL:HG23	1:33:B:ARG:HD2	8	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1046)	1:12:B:VAL:HG23	1:33:B:ARG:HD3	8	0.22
(1,1033)	1:12:B:VAL:H	1:24:B:VAL:HA	19	0.22
(1,1023)	1:11:B:ARG:HA	1:25:B:GLY:H	3	0.22
(1,1018)	1:11:B:ARG:H	1:25:B:GLY:H	20	0.22
(1,1011)	1:10:B:THR:HG21	1:12:B:VAL:HB	14	0.22
(1,1011)	1:10:B:THR:HG22	1:12:B:VAL:HB	14	0.22
(1,1011)	1:10:B:THR:HG23	1:12:B:VAL:HB	14	0.22
(1,959)	1:83:A:GLN:H	1:83:A:GLN:HG2	1	0.22
(1,959)	1:83:A:GLN:H	1:83:A:GLN:HG3	1	0.22
(1,938)	1:81:A:ARG:HG3	1:77:B:TYR:HE1	2	0.22
(1,938)	1:81:A:ARG:HG3	1:77:B:TYR:HE2	2	0.22
(1,897)	1:79:A:ARG:HA	1:82:A:GLU:H	19	0.22
(1,865)	1:77:A:TYR:HA	1:80:A:LEU:H	4	0.22
(1,844)	1:75:A:GLU:HG2	1:76:A:GLU:H	5	0.22
(1,844)	1:75:A:GLU:HG3	1:76:A:GLU:H	5	0.22
(1,842)	1:75:A:GLU:HB2	1:76:A:GLU:H	3	0.22
(1,842)	1:75:A:GLU:HB3	1:76:A:GLU:H	3	0.22
(1,830)	1:74:A:LYS:HE2	1:73:B:LEU:HD11	14	0.22
(1,830)	1:74:A:LYS:HE2	1:73:B:LEU:HD12	14	0.22
(1,830)	1:74:A:LYS:HE2	1:73:B:LEU:HD13	14	0.22
(1,830)	1:74:A:LYS:HE2	1:73:B:LEU:HD21	14	0.22
(1,830)	1:74:A:LYS:HE2	1:73:B:LEU:HD22	14	0.22
(1,830)	1:74:A:LYS:HE2	1:73:B:LEU:HD23	14	0.22
(1,830)	1:74:A:LYS:HE3	1:73:B:LEU:HD11	14	0.22
(1,830)	1:74:A:LYS:HE3	1:73:B:LEU:HD12	14	0.22
(1,830)	1:74:A:LYS:HE3	1:73:B:LEU:HD13	14	0.22
(1,830)	1:74:A:LYS:HE3	1:73:B:LEU:HD21	14	0.22
(1,830)	1:74:A:LYS:HE3	1:73:B:LEU:HD22	14	0.22
(1,830)	1:74:A:LYS:HE3	1:73:B:LEU:HD23	14	0.22
(1,801)	1:73:A:LEU:HD11	1:75:A:GLU:H	20	0.22
(1,801)	1:73:A:LEU:HD12	1:75:A:GLU:H	20	0.22
(1,801)	1:73:A:LEU:HD13	1:75:A:GLU:H	20	0.22
(1,801)	1:73:A:LEU:HD21	1:75:A:GLU:H	20	0.22
(1,801)	1:73:A:LEU:HD22	1:75:A:GLU:H	20	0.22
(1,801)	1:73:A:LEU:HD23	1:75:A:GLU:H	20	0.22
(1,777)	1:72:A:LYS:HG2	1:27:B:GLU:HG2	7	0.22
(1,777)	1:72:A:LYS:HG2	1:27:B:GLU:HG3	7	0.22
(1,750)	1:71:A:LEU:HA	1:75:A:GLU:HB2	16	0.22
(1,750)	1:71:A:LEU:HA	1:75:A:GLU:HB3	16	0.22
(1,750)	1:71:A:LEU:HA	1:75:A:GLU:HB2	18	0.22
(1,750)	1:71:A:LEU:HA	1:75:A:GLU:HB3	18	0.22
(1,729)	1:70:A:TYR:HD1	1:67:B:ALA:HA	5	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,729)	1:70:A:TYR:HD2	1:67:B:ALA:HA	5	0.22
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB1	10	0.22
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB2	10	0.22
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB3	10	0.22
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB1	10	0.22
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB2	10	0.22
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB3	10	0.22
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB1	10	0.22
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB2	10	0.22
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB3	10	0.22
(1,662)	1:65:A:GLN:HB2	1:23:B:ILE:HG21	1	0.22
(1,662)	1:65:A:GLN:HB2	1:23:B:ILE:HG22	1	0.22
(1,662)	1:65:A:GLN:HB2	1:23:B:ILE:HG23	1	0.22
(1,662)	1:65:A:GLN:HB3	1:23:B:ILE:HG21	1	0.22
(1,662)	1:65:A:GLN:HB3	1:23:B:ILE:HG22	1	0.22
(1,662)	1:65:A:GLN:HB3	1:23:B:ILE:HG23	1	0.22
(1,599)	1:62:A:THR:H	1:63:B:ALA:HB1	12	0.22
(1,599)	1:62:A:THR:H	1:63:B:ALA:HB2	12	0.22
(1,599)	1:62:A:THR:H	1:63:B:ALA:HB3	12	0.22
(1,588)	1:61:A:LEU:HA	1:65:A:GLN:H	5	0.22
(1,586)	1:61:A:LEU:HA	1:64:A:VAL:HB	12	0.22
(1,560)	1:60:A:VAL:HB	1:63:A:ALA:HB1	16	0.22
(1,560)	1:60:A:VAL:HB	1:63:A:ALA:HB2	16	0.22
(1,560)	1:60:A:VAL:HB	1:63:A:ALA:HB3	16	0.22
(1,537)	1:59:A:ALA:H	1:56:B:PRO:HA	2	0.22
(1,520)	1:57:A:LYS:HA	1:59:A:ALA:H	20	0.22
(1,444)	1:48:A:GLU:H	1:48:A:GLU:HG2	16	0.22
(1,444)	1:48:A:GLU:H	1:48:A:GLU:HG3	16	0.22
(1,394)	1:43:A:MET:H	1:62:A:THR:HB	6	0.22
(1,363)	1:39:A:VAL:HG11	1:62:A:THR:HB	2	0.22
(1,363)	1:39:A:VAL:HG12	1:62:A:THR:HB	2	0.22
(1,363)	1:39:A:VAL:HG13	1:62:A:THR:HB	2	0.22
(1,363)	1:39:A:VAL:HG21	1:62:A:THR:HB	2	0.22
(1,363)	1:39:A:VAL:HG22	1:62:A:THR:HB	2	0.22
(1,363)	1:39:A:VAL:HG23	1:62:A:THR:HB	2	0.22
(1,301)	1:35:A:VAL:HG11	1:71:B:LEU:HD11	14	0.22
(1,301)	1:35:A:VAL:HG11	1:71:B:LEU:HD12	14	0.22
(1,301)	1:35:A:VAL:HG11	1:71:B:LEU:HD13	14	0.22
(1,301)	1:35:A:VAL:HG12	1:71:B:LEU:HD11	14	0.22
(1,301)	1:35:A:VAL:HG12	1:71:B:LEU:HD12	14	0.22
(1,301)	1:35:A:VAL:HG12	1:71:B:LEU:HD13	14	0.22
(1,301)	1:35:A:VAL:HG13	1:71:B:LEU:HD11	14	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,301)	1:35:A:VAL:HG13	1:71:B:LEU:HD12	14	0.22
(1,301)	1:35:A:VAL:HG13	1:71:B:LEU:HD13	14	0.22
(1,258)	1:32:A:ILE:HA	1:36:A:ALA:H	7	0.22
(1,223)	1:27:A:GLU:HA	1:28:A:SER:H	2	0.22
(1,223)	1:27:A:GLU:HA	1:28:A:SER:H	10	0.22
(1,208)	1:23:A:ILE:HG21	1:65:B:GLN:HB2	9	0.22
(1,208)	1:23:A:ILE:HG21	1:65:B:GLN:HB3	9	0.22
(1,208)	1:23:A:ILE:HG22	1:65:B:GLN:HB2	9	0.22
(1,208)	1:23:A:ILE:HG22	1:65:B:GLN:HB3	9	0.22
(1,208)	1:23:A:ILE:HG23	1:65:B:GLN:HB2	9	0.22
(1,208)	1:23:A:ILE:HG23	1:65:B:GLN:HB3	9	0.22
(1,133)	1:16:A:ILE:HG21	1:60:B:VAL:HB	14	0.22
(1,133)	1:16:A:ILE:HG22	1:60:B:VAL:HB	14	0.22
(1,133)	1:16:A:ILE:HG23	1:60:B:VAL:HB	14	0.22
(1,112)	1:16:A:ILE:H	1:20:A:ASP:HA	15	0.22
(1,102)	1:15:A:ARG:HD2	1:19:A:GLN:H	14	0.22
(1,102)	1:15:A:ARG:HD3	1:19:A:GLN:H	14	0.22
(1,94)	1:15:A:ARG:HA	1:21:A:TYR:H	12	0.22
(1,85)	1:14:A:VAL:HG11	1:33:A:ARG:H	13	0.22
(1,85)	1:14:A:VAL:HG12	1:33:A:ARG:H	13	0.22
(1,85)	1:14:A:VAL:HG13	1:33:A:ARG:H	13	0.22
(1,85)	1:14:A:VAL:HG21	1:33:A:ARG:H	13	0.22
(1,85)	1:14:A:VAL:HG22	1:33:A:ARG:H	13	0.22
(1,85)	1:14:A:VAL:HG23	1:33:A:ARG:H	13	0.22
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB1	18	0.22
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB2	18	0.22
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB3	18	0.22
(1,57)	1:12:A:VAL:HB	1:25:A:GLY:H	13	0.22
(1,57)	1:12:A:VAL:HB	1:25:A:GLY:H	20	0.22
(1,42)	1:11:A:ARG:HA	1:25:A:GLY:H	6	0.22
(1,40)	1:11:A:ARG:HA	1:24:A:VAL:HA	1	0.22
(1,30)	1:10:A:THR:HG21	1:12:A:VAL:HB	1	0.22
(1,30)	1:10:A:THR:HG22	1:12:A:VAL:HB	1	0.22
(1,30)	1:10:A:THR:HG23	1:12:A:VAL:HB	1	0.22
(1,23)	1:10:A:THR:H	1:26:A:ALA:HA	4	0.22
(1,22)	1:10:A:THR:H	1:25:A:GLY:H	15	0.22
(1,1694)	1:79:B:ARG:H	1:79:B:ARG:HD2	2	0.21
(1,1694)	1:79:B:ARG:H	1:79:B:ARG:HD3	2	0.21
(1,1674)	1:77:B:TYR:HA	1:80:B:LEU:HB2	6	0.21
(1,1674)	1:77:B:TYR:HA	1:80:B:LEU:HB3	6	0.21
(1,1639)	1:74:B:LYS:HB2	1:75:B:GLU:H	6	0.21
(1,1639)	1:74:B:LYS:HB3	1:75:B:GLU:H	6	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1612)	1:73:B:LEU:HD21	1:74:B:LYS:HA	3	0.21
(1,1612)	1:73:B:LEU:HD22	1:74:B:LYS:HA	3	0.21
(1,1612)	1:73:B:LEU:HD23	1:74:B:LYS:HA	3	0.21
(1,1592)	1:72:B:LYS:HA	1:74:B:LYS:H	12	0.21
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD11	8	0.21
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD12	8	0.21
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD13	8	0.21
(1,1473)	1:61:B:LEU:HA	1:64:B:VAL:HB	17	0.21
(1,1362)	1:47:B:SER:H	1:58:B:LEU:HG	14	0.21
(1,1358)	1:46:B:PHE:HD1	1:62:B:THR:HB	18	0.21
(1,1358)	1:46:B:PHE:HD2	1:62:B:THR:HB	18	0.21
(1,1357)	1:46:B:PHE:HD1	1:62:B:THR:H	20	0.21
(1,1357)	1:46:B:PHE:HD2	1:62:B:THR:H	20	0.21
(1,1353)	1:46:B:PHE:HB2	1:58:B:LEU:HG	17	0.21
(1,1353)	1:46:B:PHE:HB3	1:58:B:LEU:HG	17	0.21
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD11	3	0.21
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD12	3	0.21
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD13	3	0.21
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD21	3	0.21
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD22	3	0.21
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD23	3	0.21
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG11	20	0.21
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG12	20	0.21
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG13	20	0.21
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG21	20	0.21
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG22	20	0.21
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG23	20	0.21
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG11	20	0.21
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG12	20	0.21
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG13	20	0.21
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG21	20	0.21
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG22	20	0.21
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG23	20	0.21
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG11	20	0.21
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG12	20	0.21
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG13	20	0.21
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG21	20	0.21
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG22	20	0.21
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG23	20	0.21
(1,1201)	1:31:B:HIS:HA	1:34:B:LEU:HB2	3	0.21
(1,1201)	1:31:B:HIS:HA	1:34:B:LEU:HB3	3	0.21
(1,1197)	1:30:B:ALA:HB1	1:33:B:ARG:HD2	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1197)	1:30:B:ALA:HB1	1:33:B:ARG:HD3	13	0.21
(1,1197)	1:30:B:ALA:HB2	1:33:B:ARG:HD2	13	0.21
(1,1197)	1:30:B:ALA:HB2	1:33:B:ARG:HD3	13	0.21
(1,1197)	1:30:B:ALA:HB3	1:33:B:ARG:HD2	13	0.21
(1,1197)	1:30:B:ALA:HB3	1:33:B:ARG:HD3	13	0.21
(1,1075)	1:15:B:ARG:HA	1:21:B:TYR:H	15	0.21
(1,1072)	1:15:B:ARG:H	1:16:B:ILE:H	3	0.21
(1,1059)	1:14:B:VAL:H	1:22:B:THR:HG21	18	0.21
(1,1059)	1:14:B:VAL:H	1:22:B:THR:HG22	18	0.21
(1,1059)	1:14:B:VAL:H	1:22:B:THR:HG23	18	0.21
(1,1042)	1:12:B:VAL:HG11	1:29:B:PRO:HA	6	0.21
(1,1042)	1:12:B:VAL:HG12	1:29:B:PRO:HA	6	0.21
(1,1042)	1:12:B:VAL:HG13	1:29:B:PRO:HA	6	0.21
(1,1042)	1:12:B:VAL:HG21	1:29:B:PRO:HA	6	0.21
(1,1042)	1:12:B:VAL:HG22	1:29:B:PRO:HA	6	0.21
(1,1042)	1:12:B:VAL:HG23	1:29:B:PRO:HA	6	0.21
(1,1016)	1:11:B:ARG:H	1:24:B:VAL:HA	3	0.21
(1,984)	1:8:B:PRO:HG2	1:9:B:LYS:H	11	0.21
(1,984)	1:8:B:PRO:HG3	1:9:B:LYS:H	11	0.21
(1,974)	1:84:A:LEU:HD11	1:85:A:LYS:HA	20	0.21
(1,974)	1:84:A:LEU:HD12	1:85:A:LYS:HA	20	0.21
(1,974)	1:84:A:LEU:HD13	1:85:A:LYS:HA	20	0.21
(1,974)	1:84:A:LEU:HD21	1:85:A:LYS:HA	20	0.21
(1,974)	1:84:A:LEU:HD22	1:85:A:LYS:HA	20	0.21
(1,974)	1:84:A:LEU:HD23	1:85:A:LYS:HA	20	0.21
(1,954)	1:82:A:GLU:HB2	1:85:A:LYS:HD2	5	0.21
(1,954)	1:82:A:GLU:HB2	1:85:A:LYS:HD3	5	0.21
(1,954)	1:82:A:GLU:HB3	1:85:A:LYS:HD2	5	0.21
(1,954)	1:82:A:GLU:HB3	1:85:A:LYS:HD3	5	0.21
(1,937)	1:81:A:ARG:HG2	1:80:B:LEU:HD11	2	0.21
(1,937)	1:81:A:ARG:HG2	1:80:B:LEU:HD12	2	0.21
(1,937)	1:81:A:ARG:HG2	1:80:B:LEU:HD13	2	0.21
(1,918)	1:80:A:LEU:HD11	1:81:A:ARG:HA	20	0.21
(1,918)	1:80:A:LEU:HD12	1:81:A:ARG:HA	20	0.21
(1,918)	1:80:A:LEU:HD13	1:81:A:ARG:HA	20	0.21
(1,918)	1:80:A:LEU:HD21	1:81:A:ARG:HA	20	0.21
(1,918)	1:80:A:LEU:HD22	1:81:A:ARG:HA	20	0.21
(1,918)	1:80:A:LEU:HD23	1:81:A:ARG:HA	20	0.21
(1,846)	1:76:A:GLU:H	1:76:A:GLU:HG2	16	0.21
(1,846)	1:76:A:GLU:H	1:76:A:GLU:HG3	16	0.21
(1,844)	1:75:A:GLU:HG2	1:76:A:GLU:H	17	0.21
(1,844)	1:75:A:GLU:HG3	1:76:A:GLU:H	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,842)	1:75:A:GLU:HB2	1:76:A:GLU:H	4	0.21
(1,842)	1:75:A:GLU:HB3	1:76:A:GLU:H	4	0.21
(1,804)	1:73:A:LEU:HD11	1:77:A:TYR:H	12	0.21
(1,804)	1:73:A:LEU:HD12	1:77:A:TYR:H	12	0.21
(1,804)	1:73:A:LEU:HD13	1:77:A:TYR:H	12	0.21
(1,804)	1:73:A:LEU:HD21	1:77:A:TYR:H	12	0.21
(1,804)	1:73:A:LEU:HD22	1:77:A:TYR:H	12	0.21
(1,804)	1:73:A:LEU:HD23	1:77:A:TYR:H	12	0.21
(1,793)	1:73:A:LEU:HD11	1:74:A:LYS:HA	14	0.21
(1,793)	1:73:A:LEU:HD12	1:74:A:LYS:HA	14	0.21
(1,793)	1:73:A:LEU:HD13	1:74:A:LYS:HA	14	0.21
(1,792)	1:73:A:LEU:HD11	1:74:A:LYS:H	19	0.21
(1,792)	1:73:A:LEU:HD12	1:74:A:LYS:H	19	0.21
(1,792)	1:73:A:LEU:HD13	1:74:A:LYS:H	19	0.21
(1,745)	1:71:A:LEU:HA	1:74:A:LYS:HB2	13	0.21
(1,745)	1:71:A:LEU:HA	1:74:A:LYS:HB3	13	0.21
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG21	11	0.21
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG22	11	0.21
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG23	11	0.21
(1,656)	1:65:A:GLN:H	1:65:A:GLN:HG2	10	0.21
(1,656)	1:65:A:GLN:H	1:65:A:GLN:HG3	10	0.21
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD11	4	0.21
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD12	4	0.21
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD13	4	0.21
(1,588)	1:61:A:LEU:HA	1:65:A:GLN:H	9	0.21
(1,586)	1:61:A:LEU:HA	1:64:A:VAL:HB	4	0.21
(1,586)	1:61:A:LEU:HA	1:64:A:VAL:HB	20	0.21
(1,559)	1:60:A:VAL:HB	1:16:B:ILE:HG21	14	0.21
(1,559)	1:60:A:VAL:HB	1:16:B:ILE:HG22	14	0.21
(1,559)	1:60:A:VAL:HB	1:16:B:ILE:HG23	14	0.21
(1,444)	1:48:A:GLU:H	1:48:A:GLU:HG2	14	0.21
(1,444)	1:48:A:GLU:H	1:48:A:GLU:HG3	14	0.21
(1,437)	1:47:A:SER:H	1:58:A:LEU:HG	16	0.21
(1,426)	1:46:A:PHE:HA	1:49:A:LYS:HD2	11	0.21
(1,426)	1:46:A:PHE:HA	1:49:A:LYS:HD3	11	0.21
(1,400)	1:43:A:MET:HB2	1:58:A:LEU:HD11	3	0.21
(1,400)	1:43:A:MET:HB2	1:58:A:LEU:HD12	3	0.21
(1,400)	1:43:A:MET:HB2	1:58:A:LEU:HD13	3	0.21
(1,400)	1:43:A:MET:HB2	1:58:A:LEU:HD21	3	0.21
(1,400)	1:43:A:MET:HB2	1:58:A:LEU:HD22	3	0.21
(1,400)	1:43:A:MET:HB2	1:58:A:LEU:HD23	3	0.21
(1,400)	1:43:A:MET:HB3	1:58:A:LEU:HD11	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,400)	1:43:A:MET:HB3	1:58:A:LEU:HD12	3	0.21
(1,400)	1:43:A:MET:HB3	1:58:A:LEU:HD13	3	0.21
(1,400)	1:43:A:MET:HB3	1:58:A:LEU:HD21	3	0.21
(1,400)	1:43:A:MET:HB3	1:58:A:LEU:HD22	3	0.21
(1,400)	1:43:A:MET:HB3	1:58:A:LEU:HD23	3	0.21
(1,394)	1:43:A:MET:H	1:62:A:THR:HB	12	0.21
(1,385)	1:42:A:LYS:HD2	1:62:A:THR:HA	3	0.21
(1,385)	1:42:A:LYS:HD3	1:62:A:THR:HA	3	0.21
(1,365)	1:40:A:ASP:HA	1:43:A:MET:HB2	15	0.21
(1,365)	1:40:A:ASP:HA	1:43:A:MET:HB3	15	0.21
(1,240)	1:30:A:ALA:HB1	1:33:A:ARG:HD2	14	0.21
(1,240)	1:30:A:ALA:HB1	1:33:A:ARG:HD3	14	0.21
(1,240)	1:30:A:ALA:HB2	1:33:A:ARG:HD2	14	0.21
(1,240)	1:30:A:ALA:HB2	1:33:A:ARG:HD3	14	0.21
(1,240)	1:30:A:ALA:HB3	1:33:A:ARG:HD2	14	0.21
(1,240)	1:30:A:ALA:HB3	1:33:A:ARG:HD3	14	0.21
(1,224)	1:27:A:GLU:HB2	1:72:B:LYS:H	1	0.21
(1,224)	1:27:A:GLU:HB3	1:72:B:LYS:H	1	0.21
(1,223)	1:27:A:GLU:HA	1:28:A:SER:H	6	0.21
(1,223)	1:27:A:GLU:HA	1:28:A:SER:H	8	0.21
(1,223)	1:27:A:GLU:HA	1:28:A:SER:H	16	0.21
(1,208)	1:23:A:ILE:HG21	1:65:B:GLN:HB2	12	0.21
(1,208)	1:23:A:ILE:HG21	1:65:B:GLN:HB3	12	0.21
(1,208)	1:23:A:ILE:HG22	1:65:B:GLN:HB2	12	0.21
(1,208)	1:23:A:ILE:HG22	1:65:B:GLN:HB3	12	0.21
(1,208)	1:23:A:ILE:HG23	1:65:B:GLN:HB2	12	0.21
(1,208)	1:23:A:ILE:HG23	1:65:B:GLN:HB3	12	0.21
(1,164)	1:20:A:ASP:H	1:21:A:TYR:HE1	7	0.21
(1,164)	1:20:A:ASP:H	1:21:A:TYR:HE2	7	0.21
(1,164)	1:20:A:ASP:H	1:21:A:TYR:HE1	8	0.21
(1,164)	1:20:A:ASP:H	1:21:A:TYR:HE2	8	0.21
(1,160)	1:19:A:GLN:HB2	1:60:B:VAL:HG11	16	0.21
(1,160)	1:19:A:GLN:HB2	1:60:B:VAL:HG12	16	0.21
(1,160)	1:19:A:GLN:HB2	1:60:B:VAL:HG13	16	0.21
(1,160)	1:19:A:GLN:HB2	1:60:B:VAL:HG21	16	0.21
(1,160)	1:19:A:GLN:HB2	1:60:B:VAL:HG22	16	0.21
(1,160)	1:19:A:GLN:HB2	1:60:B:VAL:HG23	16	0.21
(1,160)	1:19:A:GLN:HB3	1:60:B:VAL:HG11	16	0.21
(1,160)	1:19:A:GLN:HB3	1:60:B:VAL:HG12	16	0.21
(1,160)	1:19:A:GLN:HB3	1:60:B:VAL:HG13	16	0.21
(1,160)	1:19:A:GLN:HB3	1:60:B:VAL:HG21	16	0.21
(1,160)	1:19:A:GLN:HB3	1:60:B:VAL:HG22	16	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,160)	1:19:A:GLN:HB3	1:60:B:VAL:HG23	16	0.21
(1,94)	1:15:A:ARG:HA	1:21:A:TYR:H	8	0.21
(1,85)	1:14:A:VAL:HG11	1:33:A:ARG:H	8	0.21
(1,85)	1:14:A:VAL:HG12	1:33:A:ARG:H	8	0.21
(1,85)	1:14:A:VAL:HG13	1:33:A:ARG:H	8	0.21
(1,85)	1:14:A:VAL:HG21	1:33:A:ARG:H	8	0.21
(1,85)	1:14:A:VAL:HG22	1:33:A:ARG:H	8	0.21
(1,85)	1:14:A:VAL:HG23	1:33:A:ARG:H	8	0.21
(1,57)	1:12:A:VAL:HB	1:25:A:GLY:H	19	0.21
(1,47)	1:11:A:ARG:HG2	1:12:A:VAL:H	17	0.21
(1,47)	1:11:A:ARG:HG3	1:12:A:VAL:H	17	0.21
(1,29)	1:10:A:THR:HG21	1:12:A:VAL:HA	16	0.21
(1,29)	1:10:A:THR:HG22	1:12:A:VAL:HA	16	0.21
(1,29)	1:10:A:THR:HG23	1:12:A:VAL:HA	16	0.21
(1,1750)	1:82:B:GLU:HB2	1:85:B:LYS:HD2	2	0.2
(1,1750)	1:82:B:GLU:HB2	1:85:B:LYS:HD3	2	0.2
(1,1750)	1:82:B:GLU:HB3	1:85:B:LYS:HD2	2	0.2
(1,1750)	1:82:B:GLU:HB3	1:85:B:LYS:HD3	2	0.2
(1,1664)	1:76:B:GLU:HA	1:79:B:ARG:HG2	19	0.2
(1,1664)	1:76:B:GLU:HA	1:79:B:ARG:HG3	19	0.2
(1,1640)	1:74:B:LYS:HB2	1:75:B:GLU:HB2	18	0.2
(1,1640)	1:74:B:LYS:HB2	1:75:B:GLU:HB3	18	0.2
(1,1640)	1:74:B:LYS:HB3	1:75:B:GLU:HB2	18	0.2
(1,1640)	1:74:B:LYS:HB3	1:75:B:GLU:HB3	18	0.2
(1,1616)	1:73:B:LEU:HD11	1:75:B:GLU:H	19	0.2
(1,1616)	1:73:B:LEU:HD12	1:75:B:GLU:H	19	0.2
(1,1616)	1:73:B:LEU:HD13	1:75:B:GLU:H	19	0.2
(1,1616)	1:73:B:LEU:HD21	1:75:B:GLU:H	19	0.2
(1,1616)	1:73:B:LEU:HD22	1:75:B:GLU:H	19	0.2
(1,1616)	1:73:B:LEU:HD23	1:75:B:GLU:H	19	0.2
(1,1614)	1:73:B:LEU:HD11	1:74:B:LYS:HA	7	0.2
(1,1614)	1:73:B:LEU:HD12	1:74:B:LYS:HA	7	0.2
(1,1614)	1:73:B:LEU:HD13	1:74:B:LYS:HA	7	0.2
(1,1614)	1:73:B:LEU:HD21	1:74:B:LYS:HA	7	0.2
(1,1614)	1:73:B:LEU:HD22	1:74:B:LYS:HA	7	0.2
(1,1614)	1:73:B:LEU:HD23	1:74:B:LYS:HA	7	0.2
(1,1612)	1:73:B:LEU:HD21	1:74:B:LYS:HA	6	0.2
(1,1612)	1:73:B:LEU:HD22	1:74:B:LYS:HA	6	0.2
(1,1612)	1:73:B:LEU:HD23	1:74:B:LYS:HA	6	0.2
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD11	2	0.2
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD12	2	0.2
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD13	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD21	2	0.2
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD22	2	0.2
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD23	2	0.2
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD11	6	0.2
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD12	6	0.2
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD13	6	0.2
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD21	6	0.2
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD22	6	0.2
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD23	6	0.2
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD11	13	0.2
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD12	13	0.2
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD13	13	0.2
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD11	18	0.2
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD12	18	0.2
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD13	18	0.2
(1,1475)	1:61:B:LEU:HA	1:65:B:GLN:H	16	0.2
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD11	16	0.2
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD12	16	0.2
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD13	16	0.2
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD21	16	0.2
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD22	16	0.2
(1,1394)	1:50:B:GLN:H	1:53:B:LEU:HD23	16	0.2
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD11	2	0.2
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD12	2	0.2
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD13	2	0.2
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD21	2	0.2
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD22	2	0.2
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD23	2	0.2
(1,1197)	1:30:B:ALA:HB1	1:33:B:ARG:HD2	18	0.2
(1,1197)	1:30:B:ALA:HB1	1:33:B:ARG:HD3	18	0.2
(1,1197)	1:30:B:ALA:HB2	1:33:B:ARG:HD2	18	0.2
(1,1197)	1:30:B:ALA:HB2	1:33:B:ARG:HD3	18	0.2
(1,1197)	1:30:B:ALA:HB3	1:33:B:ARG:HD2	18	0.2
(1,1197)	1:30:B:ALA:HB3	1:33:B:ARG:HD3	18	0.2
(1,1178)	1:27:B:GLU:H	1:27:B:GLU:HG2	16	0.2
(1,1178)	1:27:B:GLU:H	1:27:B:GLU:HG3	16	0.2
(1,1155)	1:23:B:ILE:H	1:23:B:ILE:HB	4	0.2
(1,1138)	1:20:B:ASP:H	1:21:B:TYR:HE1	8	0.2
(1,1138)	1:20:B:ASP:H	1:21:B:TYR:HE2	8	0.2
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD11	16	0.2
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD12	16	0.2
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD13	16	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD21	16	0.2
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD22	16	0.2
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD23	16	0.2
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD11	16	0.2
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD12	16	0.2
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD13	16	0.2
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD21	16	0.2
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD22	16	0.2
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD23	16	0.2
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD11	19	0.2
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD12	19	0.2
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD13	19	0.2
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD21	19	0.2
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD22	19	0.2
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD23	19	0.2
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD11	19	0.2
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD12	19	0.2
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD13	19	0.2
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD21	19	0.2
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD22	19	0.2
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD23	19	0.2
(1,1111)	1:16:B:ILE:HG21	1:21:B:TYR:HE1	17	0.2
(1,1111)	1:16:B:ILE:HG21	1:21:B:TYR:HE2	17	0.2
(1,1111)	1:16:B:ILE:HG22	1:21:B:TYR:HE1	17	0.2
(1,1111)	1:16:B:ILE:HG22	1:21:B:TYR:HE2	17	0.2
(1,1111)	1:16:B:ILE:HG23	1:21:B:TYR:HE1	17	0.2
(1,1111)	1:16:B:ILE:HG23	1:21:B:TYR:HE2	17	0.2
(1,1092)	1:16:B:ILE:H	1:19:B:GLN:H	10	0.2
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB1	17	0.2
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB2	17	0.2
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB3	17	0.2
(1,1042)	1:12:B:VAL:HG11	1:29:B:PRO:HA	10	0.2
(1,1042)	1:12:B:VAL:HG12	1:29:B:PRO:HA	10	0.2
(1,1042)	1:12:B:VAL:HG13	1:29:B:PRO:HA	10	0.2
(1,1042)	1:12:B:VAL:HG21	1:29:B:PRO:HA	10	0.2
(1,1042)	1:12:B:VAL:HG22	1:29:B:PRO:HA	10	0.2
(1,1042)	1:12:B:VAL:HG23	1:29:B:PRO:HA	10	0.2
(1,1011)	1:10:B:THR:HG21	1:12:B:VAL:HB	1	0.2
(1,1011)	1:10:B:THR:HG22	1:12:B:VAL:HB	1	0.2
(1,1011)	1:10:B:THR:HG23	1:12:B:VAL:HB	1	0.2
(1,1003)	1:10:B:THR:H	1:25:B:GLY:H	5	0.2
(1,918)	1:80:A:LEU:HD11	1:81:A:ARG:HA	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,918)	1:80:A:LEU:HD12	1:81:A:ARG:HA	7	0.2
(1,918)	1:80:A:LEU:HD13	1:81:A:ARG:HA	7	0.2
(1,918)	1:80:A:LEU:HD21	1:81:A:ARG:HA	7	0.2
(1,918)	1:80:A:LEU:HD22	1:81:A:ARG:HA	7	0.2
(1,918)	1:80:A:LEU:HD23	1:81:A:ARG:HA	7	0.2
(1,846)	1:76:A:GLU:H	1:76:A:GLU:HG2	18	0.2
(1,846)	1:76:A:GLU:H	1:76:A:GLU:HG3	18	0.2
(1,843)	1:75:A:GLU:HG2	1:27:B:GLU:HG2	14	0.2
(1,843)	1:75:A:GLU:HG2	1:27:B:GLU:HG3	14	0.2
(1,843)	1:75:A:GLU:HG3	1:27:B:GLU:HG2	14	0.2
(1,843)	1:75:A:GLU:HG3	1:27:B:GLU:HG3	14	0.2
(1,826)	1:74:A:LYS:HB2	1:75:A:GLU:HB2	17	0.2
(1,826)	1:74:A:LYS:HB2	1:75:A:GLU:HB3	17	0.2
(1,826)	1:74:A:LYS:HB3	1:75:A:GLU:HB2	17	0.2
(1,826)	1:74:A:LYS:HB3	1:75:A:GLU:HB3	17	0.2
(1,812)	1:74:A:LYS:HA	1:75:A:GLU:HA	12	0.2
(1,793)	1:73:A:LEU:HD11	1:74:A:LYS:HA	2	0.2
(1,793)	1:73:A:LEU:HD12	1:74:A:LYS:HA	2	0.2
(1,793)	1:73:A:LEU:HD13	1:74:A:LYS:HA	2	0.2
(1,792)	1:73:A:LEU:HD11	1:74:A:LYS:H	7	0.2
(1,792)	1:73:A:LEU:HD12	1:74:A:LYS:H	7	0.2
(1,792)	1:73:A:LEU:HD13	1:74:A:LYS:H	7	0.2
(1,773)	1:72:A:LYS:HA	1:75:A:GLU:H	20	0.2
(1,759)	1:71:A:LEU:HD11	1:38:B:PHE:HD1	6	0.2
(1,759)	1:71:A:LEU:HD11	1:38:B:PHE:HD2	6	0.2
(1,759)	1:71:A:LEU:HD12	1:38:B:PHE:HD1	6	0.2
(1,759)	1:71:A:LEU:HD12	1:38:B:PHE:HD2	6	0.2
(1,759)	1:71:A:LEU:HD13	1:38:B:PHE:HD1	6	0.2
(1,759)	1:71:A:LEU:HD13	1:38:B:PHE:HD2	6	0.2
(1,759)	1:71:A:LEU:HD21	1:38:B:PHE:HD1	6	0.2
(1,759)	1:71:A:LEU:HD21	1:38:B:PHE:HD2	6	0.2
(1,759)	1:71:A:LEU:HD22	1:38:B:PHE:HD1	6	0.2
(1,759)	1:71:A:LEU:HD22	1:38:B:PHE:HD2	6	0.2
(1,759)	1:71:A:LEU:HD23	1:38:B:PHE:HD1	6	0.2
(1,759)	1:71:A:LEU:HD23	1:38:B:PHE:HD2	6	0.2
(1,710)	1:69:A:GLU:H	1:72:A:LYS:HG2	13	0.2
(1,710)	1:69:A:GLU:H	1:72:A:LYS:HG3	13	0.2
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB1	9	0.2
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB2	9	0.2
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB3	9	0.2
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB1	9	0.2
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB2	9	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB3	9	0.2
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB1	9	0.2
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB2	9	0.2
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB3	9	0.2
(1,662)	1:65:A:GLN:HB2	1:23:B:ILE:HG21	3	0.2
(1,662)	1:65:A:GLN:HB2	1:23:B:ILE:HG22	3	0.2
(1,662)	1:65:A:GLN:HB2	1:23:B:ILE:HG23	3	0.2
(1,662)	1:65:A:GLN:HB3	1:23:B:ILE:HG21	3	0.2
(1,662)	1:65:A:GLN:HB3	1:23:B:ILE:HG22	3	0.2
(1,662)	1:65:A:GLN:HB3	1:23:B:ILE:HG23	3	0.2
(1,648)	1:64:A:VAL:HG11	1:36:B:ALA:HB1	4	0.2
(1,648)	1:64:A:VAL:HG11	1:36:B:ALA:HB2	4	0.2
(1,648)	1:64:A:VAL:HG11	1:36:B:ALA:HB3	4	0.2
(1,648)	1:64:A:VAL:HG12	1:36:B:ALA:HB1	4	0.2
(1,648)	1:64:A:VAL:HG12	1:36:B:ALA:HB2	4	0.2
(1,648)	1:64:A:VAL:HG12	1:36:B:ALA:HB3	4	0.2
(1,648)	1:64:A:VAL:HG13	1:36:B:ALA:HB1	4	0.2
(1,648)	1:64:A:VAL:HG13	1:36:B:ALA:HB2	4	0.2
(1,648)	1:64:A:VAL:HG13	1:36:B:ALA:HB3	4	0.2
(1,648)	1:64:A:VAL:HG21	1:36:B:ALA:HB1	4	0.2
(1,648)	1:64:A:VAL:HG21	1:36:B:ALA:HB2	4	0.2
(1,648)	1:64:A:VAL:HG21	1:36:B:ALA:HB3	4	0.2
(1,648)	1:64:A:VAL:HG22	1:36:B:ALA:HB1	4	0.2
(1,648)	1:64:A:VAL:HG22	1:36:B:ALA:HB2	4	0.2
(1,648)	1:64:A:VAL:HG22	1:36:B:ALA:HB3	4	0.2
(1,648)	1:64:A:VAL:HG23	1:36:B:ALA:HB1	4	0.2
(1,648)	1:64:A:VAL:HG23	1:36:B:ALA:HB2	4	0.2
(1,648)	1:64:A:VAL:HG23	1:36:B:ALA:HB3	4	0.2
(1,632)	1:64:A:VAL:HB	1:36:B:ALA:HA	11	0.2
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD11	7	0.2
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD12	7	0.2
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD13	7	0.2
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD11	11	0.2
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD12	11	0.2
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD13	11	0.2
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD11	3	0.2
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD12	3	0.2
(1,597)	1:61:A:LEU:HD21	1:23:B:ILE:HD13	3	0.2
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD11	3	0.2
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD12	3	0.2
(1,597)	1:61:A:LEU:HD22	1:23:B:ILE:HD13	3	0.2
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD11	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD12	3	0.2
(1,597)	1:61:A:LEU:HD23	1:23:B:ILE:HD13	3	0.2
(1,588)	1:61:A:LEU:HA	1:65:A:GLN:H	18	0.2
(1,504)	1:56:A:PRO:HG2	1:56:B:PRO:HA	7	0.2
(1,437)	1:47:A:SER:H	1:58:A:LEU:HG	6	0.2
(1,433)	1:46:A:PHE:HD1	1:62:A:THR:HB	15	0.2
(1,433)	1:46:A:PHE:HD2	1:62:A:THR:HB	15	0.2
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG11	4	0.2
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG12	4	0.2
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG13	4	0.2
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG21	4	0.2
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG22	4	0.2
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG23	4	0.2
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG11	4	0.2
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG12	4	0.2
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG13	4	0.2
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG21	4	0.2
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG22	4	0.2
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG23	4	0.2
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG11	4	0.2
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG12	4	0.2
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG13	4	0.2
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG21	4	0.2
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG22	4	0.2
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG23	4	0.2
(1,295)	1:35:A:VAL:HA	1:71:B:LEU:HD11	6	0.2
(1,295)	1:35:A:VAL:HA	1:71:B:LEU:HD12	6	0.2
(1,295)	1:35:A:VAL:HA	1:71:B:LEU:HD13	6	0.2
(1,295)	1:35:A:VAL:HA	1:71:B:LEU:HD21	6	0.2
(1,295)	1:35:A:VAL:HA	1:71:B:LEU:HD22	6	0.2
(1,295)	1:35:A:VAL:HA	1:71:B:LEU:HD23	6	0.2
(1,226)	1:28:A:SER:H	1:31:A:HIS:H	12	0.2
(1,223)	1:27:A:GLU:HA	1:28:A:SER:H	4	0.2
(1,223)	1:27:A:GLU:HA	1:28:A:SER:H	11	0.2
(1,223)	1:27:A:GLU:HA	1:28:A:SER:H	17	0.2
(1,223)	1:27:A:GLU:HA	1:28:A:SER:H	18	0.2
(1,208)	1:23:A:ILE:HG21	1:65:B:GLN:HB2	2	0.2
(1,208)	1:23:A:ILE:HG21	1:65:B:GLN:HB3	2	0.2
(1,208)	1:23:A:ILE:HG22	1:65:B:GLN:HB2	2	0.2
(1,208)	1:23:A:ILE:HG22	1:65:B:GLN:HB3	2	0.2
(1,208)	1:23:A:ILE:HG23	1:65:B:GLN:HB2	2	0.2
(1,208)	1:23:A:ILE:HG23	1:65:B:GLN:HB3	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,164)	1:20:A:ASP:H	1:21:A:TYR:HE1	2	0.2
(1,164)	1:20:A:ASP:H	1:21:A:TYR:HE2	2	0.2
(1,152)	1:19:A:GLN:H	1:21:A:TYR:HE1	13	0.2
(1,152)	1:19:A:GLN:H	1:21:A:TYR:HE2	13	0.2
(1,133)	1:16:A:ILE:HG21	1:60:B:VAL:HB	7	0.2
(1,133)	1:16:A:ILE:HG22	1:60:B:VAL:HB	7	0.2
(1,133)	1:16:A:ILE:HG23	1:60:B:VAL:HB	7	0.2
(1,132)	1:16:A:ILE:HG21	1:21:A:TYR:HE1	4	0.2
(1,132)	1:16:A:ILE:HG21	1:21:A:TYR:HE2	4	0.2
(1,132)	1:16:A:ILE:HG22	1:21:A:TYR:HE1	4	0.2
(1,132)	1:16:A:ILE:HG22	1:21:A:TYR:HE2	4	0.2
(1,132)	1:16:A:ILE:HG23	1:21:A:TYR:HE1	4	0.2
(1,132)	1:16:A:ILE:HG23	1:21:A:TYR:HE2	4	0.2
(1,132)	1:16:A:ILE:HG21	1:21:A:TYR:HE1	19	0.2
(1,132)	1:16:A:ILE:HG21	1:21:A:TYR:HE2	19	0.2
(1,132)	1:16:A:ILE:HG22	1:21:A:TYR:HE1	19	0.2
(1,132)	1:16:A:ILE:HG22	1:21:A:TYR:HE2	19	0.2
(1,132)	1:16:A:ILE:HG23	1:21:A:TYR:HE1	19	0.2
(1,132)	1:16:A:ILE:HG23	1:21:A:TYR:HE2	19	0.2
(1,85)	1:14:A:VAL:HG11	1:33:A:ARG:H	11	0.2
(1,85)	1:14:A:VAL:HG12	1:33:A:ARG:H	11	0.2
(1,85)	1:14:A:VAL:HG13	1:33:A:ARG:H	11	0.2
(1,85)	1:14:A:VAL:HG21	1:33:A:ARG:H	11	0.2
(1,85)	1:14:A:VAL:HG22	1:33:A:ARG:H	11	0.2
(1,85)	1:14:A:VAL:HG23	1:33:A:ARG:H	11	0.2
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB1	8	0.2
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB2	8	0.2
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB3	8	0.2
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB1	13	0.2
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB2	13	0.2
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB3	13	0.2
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB1	17	0.2
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB2	17	0.2
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB3	17	0.2
(1,1770)	1:84:B:LEU:HD11	1:85:B:LYS:HA	5	0.19
(1,1770)	1:84:B:LEU:HD12	1:85:B:LYS:HA	5	0.19
(1,1770)	1:84:B:LEU:HD13	1:85:B:LYS:HA	5	0.19
(1,1770)	1:84:B:LEU:HD21	1:85:B:LYS:HA	5	0.19
(1,1770)	1:84:B:LEU:HD22	1:85:B:LYS:HA	5	0.19
(1,1770)	1:84:B:LEU:HD23	1:85:B:LYS:HA	5	0.19
(1,1745)	1:82:B:GLU:HA	1:85:B:LYS:H	10	0.19
(1,1694)	1:79:B:ARG:H	1:79:B:ARG:HD2	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1694)	1:79:B:ARG:H	1:79:B:ARG:HD3	11	0.19
(1,1653)	1:75:B:GLU:HG2	1:76:B:GLU:H	13	0.19
(1,1653)	1:75:B:GLU:HG3	1:76:B:GLU:H	13	0.19
(1,1651)	1:75:B:GLU:HA	1:78:B:GLN:H	8	0.19
(1,1627)	1:74:B:LYS:HA	1:75:B:GLU:HA	12	0.19
(1,1610)	1:73:B:LEU:HD11	1:74:B:LYS:HA	19	0.19
(1,1610)	1:73:B:LEU:HD12	1:74:B:LYS:HA	19	0.19
(1,1610)	1:73:B:LEU:HD13	1:74:B:LYS:HA	19	0.19
(1,1514)	1:65:B:GLN:H	1:65:B:GLN:HG2	15	0.19
(1,1514)	1:65:B:GLN:H	1:65:B:GLN:HG3	15	0.19
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD11	17	0.19
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD12	17	0.19
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD13	17	0.19
(1,1473)	1:61:B:LEU:HA	1:64:B:VAL:HB	18	0.19
(1,1459)	1:60:B:VAL:HB	1:63:B:ALA:HB1	16	0.19
(1,1459)	1:60:B:VAL:HB	1:63:B:ALA:HB2	16	0.19
(1,1459)	1:60:B:VAL:HB	1:63:B:ALA:HB3	16	0.19
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG11	2	0.19
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG12	2	0.19
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG13	2	0.19
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG21	2	0.19
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG22	2	0.19
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG23	2	0.19
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG11	18	0.19
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG12	18	0.19
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG13	18	0.19
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG21	18	0.19
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG22	18	0.19
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG23	18	0.19
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG11	18	0.19
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG12	18	0.19
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG13	18	0.19
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG21	18	0.19
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG22	18	0.19
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG23	18	0.19
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG11	18	0.19
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG12	18	0.19
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG13	18	0.19
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG21	18	0.19
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG22	18	0.19
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG23	18	0.19
(1,1255)	1:35:B:VAL:HG11	1:38:B:PHE:HD1	2	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1255)	1:35:B:VAL:HG11	1:38:B:PHE:HD2	2	0.19
(1,1255)	1:35:B:VAL:HG12	1:38:B:PHE:HD1	2	0.19
(1,1255)	1:35:B:VAL:HG12	1:38:B:PHE:HD2	2	0.19
(1,1255)	1:35:B:VAL:HG13	1:38:B:PHE:HD1	2	0.19
(1,1255)	1:35:B:VAL:HG13	1:38:B:PHE:HD2	2	0.19
(1,1255)	1:35:B:VAL:HG21	1:38:B:PHE:HD1	2	0.19
(1,1255)	1:35:B:VAL:HG21	1:38:B:PHE:HD2	2	0.19
(1,1255)	1:35:B:VAL:HG22	1:38:B:PHE:HD1	2	0.19
(1,1255)	1:35:B:VAL:HG22	1:38:B:PHE:HD2	2	0.19
(1,1255)	1:35:B:VAL:HG23	1:38:B:PHE:HD1	2	0.19
(1,1255)	1:35:B:VAL:HG23	1:38:B:PHE:HD2	2	0.19
(1,1183)	1:28:B:SER:H	1:31:B:HIS:H	2	0.19
(1,1181)	1:27:B:GLU:HA	1:28:B:SER:H	8	0.19
(1,1155)	1:23:B:ILE:H	1:23:B:ILE:HB	12	0.19
(1,1155)	1:23:B:ILE:H	1:23:B:ILE:HB	20	0.19
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD11	18	0.19
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD12	18	0.19
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD13	18	0.19
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD21	18	0.19
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD22	18	0.19
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD23	18	0.19
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD11	18	0.19
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD12	18	0.19
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD13	18	0.19
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD21	18	0.19
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD22	18	0.19
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD23	18	0.19
(1,1119)	1:17:B:TYR:HB2	1:43:B:MET:HB2	14	0.19
(1,1119)	1:17:B:TYR:HB2	1:43:B:MET:HB3	14	0.19
(1,1119)	1:17:B:TYR:HB3	1:43:B:MET:HB2	14	0.19
(1,1119)	1:17:B:TYR:HB3	1:43:B:MET:HB3	14	0.19
(1,1092)	1:16:B:ILE:H	1:19:B:GLN:H	1	0.19
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB1	13	0.19
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB2	13	0.19
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB3	13	0.19
(1,1038)	1:12:B:VAL:HB	1:25:B:GLY:H	13	0.19
(1,1021)	1:11:B:ARG:HA	1:24:B:VAL:HA	13	0.19
(1,1016)	1:11:B:ARG:H	1:24:B:VAL:HA	11	0.19
(1,1003)	1:10:B:THR:H	1:25:B:GLY:H	16	0.19
(1,959)	1:83:A:GLN:H	1:83:A:GLN:HG2	5	0.19
(1,959)	1:83:A:GLN:H	1:83:A:GLN:HG3	5	0.19
(1,846)	1:76:A:GLU:H	1:76:A:GLU:HG2	9	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,846)	1:76:A:GLU:H	1:76:A:GLU:HG3	9	0.19
(1,844)	1:75:A:GLU:HG2	1:76:A:GLU:H	18	0.19
(1,844)	1:75:A:GLU:HG3	1:76:A:GLU:H	18	0.19
(1,790)	1:73:A:LEU:HG	1:74:B:LYS:HE2	4	0.19
(1,790)	1:73:A:LEU:HG	1:74:B:LYS:HE3	4	0.19
(1,777)	1:72:A:LYS:HG2	1:27:B:GLU:HG2	14	0.19
(1,777)	1:72:A:LYS:HG2	1:27:B:GLU:HG3	14	0.19
(1,773)	1:72:A:LYS:HA	1:75:A:GLU:H	19	0.19
(1,760)	1:71:A:LEU:HD11	1:70:B:TYR:HD1	5	0.19
(1,760)	1:71:A:LEU:HD11	1:70:B:TYR:HD2	5	0.19
(1,760)	1:71:A:LEU:HD12	1:70:B:TYR:HD1	5	0.19
(1,760)	1:71:A:LEU:HD12	1:70:B:TYR:HD2	5	0.19
(1,760)	1:71:A:LEU:HD13	1:70:B:TYR:HD1	5	0.19
(1,760)	1:71:A:LEU:HD13	1:70:B:TYR:HD2	5	0.19
(1,760)	1:71:A:LEU:HD21	1:70:B:TYR:HD1	5	0.19
(1,760)	1:71:A:LEU:HD21	1:70:B:TYR:HD2	5	0.19
(1,760)	1:71:A:LEU:HD22	1:70:B:TYR:HD1	5	0.19
(1,760)	1:71:A:LEU:HD22	1:70:B:TYR:HD2	5	0.19
(1,760)	1:71:A:LEU:HD23	1:70:B:TYR:HD1	5	0.19
(1,760)	1:71:A:LEU:HD23	1:70:B:TYR:HD2	5	0.19
(1,759)	1:71:A:LEU:HD11	1:38:B:PHE:HD1	16	0.19
(1,759)	1:71:A:LEU:HD11	1:38:B:PHE:HD2	16	0.19
(1,759)	1:71:A:LEU:HD12	1:38:B:PHE:HD1	16	0.19
(1,759)	1:71:A:LEU:HD12	1:38:B:PHE:HD2	16	0.19
(1,759)	1:71:A:LEU:HD13	1:38:B:PHE:HD1	16	0.19
(1,759)	1:71:A:LEU:HD13	1:38:B:PHE:HD2	16	0.19
(1,759)	1:71:A:LEU:HD21	1:38:B:PHE:HD1	16	0.19
(1,759)	1:71:A:LEU:HD21	1:38:B:PHE:HD2	16	0.19
(1,759)	1:71:A:LEU:HD22	1:38:B:PHE:HD1	16	0.19
(1,759)	1:71:A:LEU:HD22	1:38:B:PHE:HD2	16	0.19
(1,759)	1:71:A:LEU:HD23	1:38:B:PHE:HD1	16	0.19
(1,759)	1:71:A:LEU:HD23	1:38:B:PHE:HD2	16	0.19
(1,734)	1:70:A:TYR:HE1	1:71:B:LEU:H	14	0.19
(1,734)	1:70:A:TYR:HE2	1:71:B:LEU:H	14	0.19
(1,675)	1:66:A:ILE:HG21	1:63:B:ALA:HA	10	0.19
(1,675)	1:66:A:ILE:HG22	1:63:B:ALA:HA	10	0.19
(1,675)	1:66:A:ILE:HG23	1:63:B:ALA:HA	10	0.19
(1,654)	1:64:A:VAL:HG11	1:68:A:SER:H	16	0.19
(1,654)	1:64:A:VAL:HG12	1:68:A:SER:H	16	0.19
(1,654)	1:64:A:VAL:HG13	1:68:A:SER:H	16	0.19
(1,654)	1:64:A:VAL:HG21	1:68:A:SER:H	16	0.19
(1,654)	1:64:A:VAL:HG22	1:68:A:SER:H	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,654)	1:64:A:VAL:HG23	1:68:A:SER:H	16	0.19
(1,507)	1:56:A:PRO:HG3	1:57:A:LYS:H	13	0.19
(1,504)	1:56:A:PRO:HG2	1:56:B:PRO:HA	6	0.19
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG11	10	0.19
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG12	10	0.19
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG13	10	0.19
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG21	10	0.19
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG22	10	0.19
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG23	10	0.19
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG11	17	0.19
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG12	17	0.19
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG13	17	0.19
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG21	17	0.19
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG22	17	0.19
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG23	17	0.19
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD11	2	0.19
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD12	2	0.19
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD13	2	0.19
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD21	2	0.19
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD22	2	0.19
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD23	2	0.19
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD11	19	0.19
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD12	19	0.19
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD13	19	0.19
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD21	19	0.19
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD22	19	0.19
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD23	19	0.19
(1,351)	1:39:A:VAL:HG11	1:64:B:VAL:HA	16	0.19
(1,351)	1:39:A:VAL:HG12	1:64:B:VAL:HA	16	0.19
(1,351)	1:39:A:VAL:HG13	1:64:B:VAL:HA	16	0.19
(1,314)	1:36:A:ALA:HA	1:64:B:VAL:HB	18	0.19
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD11	2	0.19
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD12	2	0.19
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD13	2	0.19
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD21	2	0.19
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD22	2	0.19
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD23	2	0.19
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD11	14	0.19
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD12	14	0.19
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD13	14	0.19
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD21	14	0.19
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD22	14	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD23	14	0.19
(1,274)	1:33:A:ARG:HB2	1:34:A:LEU:HD11	5	0.19
(1,274)	1:33:A:ARG:HB2	1:34:A:LEU:HD12	5	0.19
(1,274)	1:33:A:ARG:HB2	1:34:A:LEU:HD13	5	0.19
(1,274)	1:33:A:ARG:HB2	1:34:A:LEU:HD21	5	0.19
(1,274)	1:33:A:ARG:HB2	1:34:A:LEU:HD22	5	0.19
(1,274)	1:33:A:ARG:HB2	1:34:A:LEU:HD23	5	0.19
(1,274)	1:33:A:ARG:HB3	1:34:A:LEU:HD11	5	0.19
(1,274)	1:33:A:ARG:HB3	1:34:A:LEU:HD12	5	0.19
(1,274)	1:33:A:ARG:HB3	1:34:A:LEU:HD13	5	0.19
(1,274)	1:33:A:ARG:HB3	1:34:A:LEU:HD21	5	0.19
(1,274)	1:33:A:ARG:HB3	1:34:A:LEU:HD22	5	0.19
(1,274)	1:33:A:ARG:HB3	1:34:A:LEU:HD23	5	0.19
(1,240)	1:30:A:ALA:HB1	1:33:A:ARG:HD2	2	0.19
(1,240)	1:30:A:ALA:HB1	1:33:A:ARG:HD3	2	0.19
(1,240)	1:30:A:ALA:HB2	1:33:A:ARG:HD2	2	0.19
(1,240)	1:30:A:ALA:HB2	1:33:A:ARG:HD3	2	0.19
(1,240)	1:30:A:ALA:HB3	1:33:A:ARG:HD2	2	0.19
(1,240)	1:30:A:ALA:HB3	1:33:A:ARG:HD3	2	0.19
(1,226)	1:28:A:SER:H	1:31:A:HIS:H	2	0.19
(1,224)	1:27:A:GLU:HB2	1:72:B:LYS:H	13	0.19
(1,224)	1:27:A:GLU:HB3	1:72:B:LYS:H	13	0.19
(1,223)	1:27:A:GLU:HA	1:28:A:SER:H	9	0.19
(1,188)	1:23:A:ILE:H	1:23:A:ILE:HB	16	0.19
(1,112)	1:16:A:ILE:H	1:20:A:ASP:HA	3	0.19
(1,94)	1:15:A:ARG:HA	1:21:A:TYR:H	2	0.19
(1,85)	1:14:A:VAL:HG11	1:33:A:ARG:H	3	0.19
(1,85)	1:14:A:VAL:HG12	1:33:A:ARG:H	3	0.19
(1,85)	1:14:A:VAL:HG13	1:33:A:ARG:H	3	0.19
(1,85)	1:14:A:VAL:HG21	1:33:A:ARG:H	3	0.19
(1,85)	1:14:A:VAL:HG22	1:33:A:ARG:H	3	0.19
(1,85)	1:14:A:VAL:HG23	1:33:A:ARG:H	3	0.19
(1,85)	1:14:A:VAL:HG11	1:33:A:ARG:H	15	0.19
(1,85)	1:14:A:VAL:HG12	1:33:A:ARG:H	15	0.19
(1,85)	1:14:A:VAL:HG13	1:33:A:ARG:H	15	0.19
(1,85)	1:14:A:VAL:HG21	1:33:A:ARG:H	15	0.19
(1,85)	1:14:A:VAL:HG22	1:33:A:ARG:H	15	0.19
(1,85)	1:14:A:VAL:HG23	1:33:A:ARG:H	15	0.19
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB1	1	0.19
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB2	1	0.19
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB3	1	0.19
(1,22)	1:10:A:THR:H	1:25:A:GLY:H	7	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1770)	1:84:B:LEU:HD11	1:85:B:LYS:HA	9	0.18
(1,1770)	1:84:B:LEU:HD12	1:85:B:LYS:HA	9	0.18
(1,1770)	1:84:B:LEU:HD13	1:85:B:LYS:HA	9	0.18
(1,1770)	1:84:B:LEU:HD21	1:85:B:LYS:HA	9	0.18
(1,1770)	1:84:B:LEU:HD22	1:85:B:LYS:HA	9	0.18
(1,1770)	1:84:B:LEU:HD23	1:85:B:LYS:HA	9	0.18
(1,1755)	1:83:B:GLN:H	1:83:B:GLN:HG2	3	0.18
(1,1755)	1:83:B:GLN:H	1:83:B:GLN:HG3	3	0.18
(1,1745)	1:82:B:GLU:HA	1:85:B:LYS:H	4	0.18
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD11	2	0.18
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD12	2	0.18
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD13	2	0.18
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD21	2	0.18
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD22	2	0.18
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD23	2	0.18
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD11	2	0.18
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD12	2	0.18
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD13	2	0.18
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD21	2	0.18
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD22	2	0.18
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD23	2	0.18
(1,1627)	1:74:B:LYS:HA	1:75:B:GLU:HA	7	0.18
(1,1627)	1:74:B:LYS:HA	1:75:B:GLU:HA	8	0.18
(1,1616)	1:73:B:LEU:HD11	1:75:B:GLU:H	15	0.18
(1,1616)	1:73:B:LEU:HD12	1:75:B:GLU:H	15	0.18
(1,1616)	1:73:B:LEU:HD13	1:75:B:GLU:H	15	0.18
(1,1616)	1:73:B:LEU:HD21	1:75:B:GLU:H	15	0.18
(1,1616)	1:73:B:LEU:HD22	1:75:B:GLU:H	15	0.18
(1,1616)	1:73:B:LEU:HD23	1:75:B:GLU:H	15	0.18
(1,1612)	1:73:B:LEU:HD21	1:74:B:LYS:HA	16	0.18
(1,1612)	1:73:B:LEU:HD22	1:74:B:LYS:HA	16	0.18
(1,1612)	1:73:B:LEU:HD23	1:74:B:LYS:HA	16	0.18
(1,1610)	1:73:B:LEU:HD11	1:74:B:LYS:HA	11	0.18
(1,1610)	1:73:B:LEU:HD12	1:74:B:LYS:HA	11	0.18
(1,1610)	1:73:B:LEU:HD13	1:74:B:LYS:HA	11	0.18
(1,1596)	1:72:B:LYS:HA	1:76:B:GLU:H	9	0.18
(1,1574)	1:71:B:LEU:HA	1:74:B:LYS:HB2	6	0.18
(1,1574)	1:71:B:LEU:HA	1:74:B:LYS:HB3	6	0.18
(1,1554)	1:69:B:GLU:HG2	1:70:B:TYR:H	11	0.18
(1,1554)	1:69:B:GLU:HG3	1:70:B:TYR:H	11	0.18
(1,1512)	1:64:B:VAL:HG11	1:68:B:SER:H	6	0.18
(1,1512)	1:64:B:VAL:HG12	1:68:B:SER:H	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1512)	1:64:B:VAL:HG13	1:68:B:SER:H	6	0.18
(1,1512)	1:64:B:VAL:HG21	1:68:B:SER:H	6	0.18
(1,1512)	1:64:B:VAL:HG22	1:68:B:SER:H	6	0.18
(1,1512)	1:64:B:VAL:HG23	1:68:B:SER:H	6	0.18
(1,1475)	1:61:B:LEU:HA	1:65:B:GLN:H	1	0.18
(1,1475)	1:61:B:LEU:HA	1:65:B:GLN:H	17	0.18
(1,1459)	1:60:B:VAL:HB	1:63:B:ALA:HB1	14	0.18
(1,1459)	1:60:B:VAL:HB	1:63:B:ALA:HB2	14	0.18
(1,1459)	1:60:B:VAL:HB	1:63:B:ALA:HB3	14	0.18
(1,1459)	1:60:B:VAL:HB	1:63:B:ALA:HB1	20	0.18
(1,1459)	1:60:B:VAL:HB	1:63:B:ALA:HB2	20	0.18
(1,1459)	1:60:B:VAL:HB	1:63:B:ALA:HB3	20	0.18
(1,1367)	1:47:B:SER:HB2	1:58:B:LEU:HD11	17	0.18
(1,1367)	1:47:B:SER:HB2	1:58:B:LEU:HD12	17	0.18
(1,1367)	1:47:B:SER:HB2	1:58:B:LEU:HD13	17	0.18
(1,1367)	1:47:B:SER:HB2	1:58:B:LEU:HD21	17	0.18
(1,1367)	1:47:B:SER:HB2	1:58:B:LEU:HD22	17	0.18
(1,1367)	1:47:B:SER:HB2	1:58:B:LEU:HD23	17	0.18
(1,1367)	1:47:B:SER:HB3	1:58:B:LEU:HD11	17	0.18
(1,1367)	1:47:B:SER:HB3	1:58:B:LEU:HD12	17	0.18
(1,1367)	1:47:B:SER:HB3	1:58:B:LEU:HD13	17	0.18
(1,1367)	1:47:B:SER:HB3	1:58:B:LEU:HD21	17	0.18
(1,1367)	1:47:B:SER:HB3	1:58:B:LEU:HD22	17	0.18
(1,1367)	1:47:B:SER:HB3	1:58:B:LEU:HD23	17	0.18
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD11	15	0.18
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD12	15	0.18
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD13	15	0.18
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD21	15	0.18
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD22	15	0.18
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD23	15	0.18
(1,1310)	1:42:B:LYS:HD2	1:62:B:THR:HA	4	0.18
(1,1310)	1:42:B:LYS:HD3	1:62:B:THR:HA	4	0.18
(1,1288)	1:39:B:VAL:HG11	1:62:B:THR:HB	19	0.18
(1,1288)	1:39:B:VAL:HG12	1:62:B:THR:HB	19	0.18
(1,1288)	1:39:B:VAL:HG13	1:62:B:THR:HB	19	0.18
(1,1288)	1:39:B:VAL:HG21	1:62:B:THR:HB	19	0.18
(1,1288)	1:39:B:VAL:HG22	1:62:B:THR:HB	19	0.18
(1,1288)	1:39:B:VAL:HG23	1:62:B:THR:HB	19	0.18
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD11	4	0.18
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD12	4	0.18
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD13	4	0.18
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD21	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD22	4	0.18
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD23	4	0.18
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD11	6	0.18
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD12	6	0.18
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD13	6	0.18
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD21	6	0.18
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD22	6	0.18
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD23	6	0.18
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD11	8	0.18
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD12	8	0.18
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD13	8	0.18
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD21	8	0.18
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD22	8	0.18
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD23	8	0.18
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD11	13	0.18
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD12	13	0.18
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD13	13	0.18
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD21	13	0.18
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD22	13	0.18
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD23	13	0.18
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD11	14	0.18
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD12	14	0.18
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD13	14	0.18
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD21	14	0.18
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD22	14	0.18
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD23	14	0.18
(1,1181)	1:27:B:GLU:HA	1:28:B:SER:H	2	0.18
(1,1181)	1:27:B:GLU:HA	1:28:B:SER:H	13	0.18
(1,1152)	1:22:B:THR:H	1:23:B:ILE:HG21	3	0.18
(1,1152)	1:22:B:THR:H	1:23:B:ILE:HG22	3	0.18
(1,1152)	1:22:B:THR:H	1:23:B:ILE:HG23	3	0.18
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD11	9	0.18
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD12	9	0.18
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD13	9	0.18
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD21	9	0.18
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD22	9	0.18
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD23	9	0.18
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD11	9	0.18
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD12	9	0.18
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD13	9	0.18
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD21	9	0.18
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD22	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD23	9	0.18
(1,1111)	1:16:B:ILE:HG21	1:21:B:TYR:HE1	19	0.18
(1,1111)	1:16:B:ILE:HG21	1:21:B:TYR:HE2	19	0.18
(1,1111)	1:16:B:ILE:HG22	1:21:B:TYR:HE1	19	0.18
(1,1111)	1:16:B:ILE:HG22	1:21:B:TYR:HE2	19	0.18
(1,1111)	1:16:B:ILE:HG23	1:21:B:TYR:HE1	19	0.18
(1,1111)	1:16:B:ILE:HG23	1:21:B:TYR:HE2	19	0.18
(1,1093)	1:16:B:ILE:H	1:20:B:ASP:HA	3	0.18
(1,1072)	1:15:B:ARG:H	1:16:B:ILE:H	17	0.18
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB1	2	0.18
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB2	2	0.18
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB3	2	0.18
(1,1034)	1:12:B:VAL:H	1:25:B:GLY:H	8	0.18
(1,1033)	1:12:B:VAL:H	1:24:B:VAL:HA	10	0.18
(1,1021)	1:11:B:ARG:HA	1:24:B:VAL:HA	14	0.18
(1,1021)	1:11:B:ARG:HA	1:24:B:VAL:HA	16	0.18
(1,1021)	1:11:B:ARG:HA	1:24:B:VAL:HA	20	0.18
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG11	10	0.18
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG12	10	0.18
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG13	10	0.18
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG21	10	0.18
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG22	10	0.18
(1,1017)	1:11:B:ARG:H	1:24:B:VAL:HG23	10	0.18
(1,959)	1:83:A:GLN:H	1:83:A:GLN:HG2	3	0.18
(1,959)	1:83:A:GLN:H	1:83:A:GLN:HG3	3	0.18
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	15	0.18
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	15	0.18
(1,912)	1:80:A:LEU:HD11	1:81:A:ARG:H	13	0.18
(1,912)	1:80:A:LEU:HD12	1:81:A:ARG:H	13	0.18
(1,912)	1:80:A:LEU:HD13	1:81:A:ARG:H	13	0.18
(1,877)	1:77:A:TYR:HE1	1:80:A:LEU:HD11	18	0.18
(1,877)	1:77:A:TYR:HE1	1:80:A:LEU:HD12	18	0.18
(1,877)	1:77:A:TYR:HE1	1:80:A:LEU:HD13	18	0.18
(1,877)	1:77:A:TYR:HE1	1:80:A:LEU:HD21	18	0.18
(1,877)	1:77:A:TYR:HE1	1:80:A:LEU:HD22	18	0.18
(1,877)	1:77:A:TYR:HE1	1:80:A:LEU:HD23	18	0.18
(1,877)	1:77:A:TYR:HE2	1:80:A:LEU:HD11	18	0.18
(1,877)	1:77:A:TYR:HE2	1:80:A:LEU:HD12	18	0.18
(1,877)	1:77:A:TYR:HE2	1:80:A:LEU:HD13	18	0.18
(1,877)	1:77:A:TYR:HE2	1:80:A:LEU:HD21	18	0.18
(1,877)	1:77:A:TYR:HE2	1:80:A:LEU:HD22	18	0.18
(1,877)	1:77:A:TYR:HE2	1:80:A:LEU:HD23	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,846)	1:76:A:GLU:H	1:76:A:GLU:HG2	10	0.18
(1,846)	1:76:A:GLU:H	1:76:A:GLU:HG3	10	0.18
(1,842)	1:75:A:GLU:HB2	1:76:A:GLU:H	19	0.18
(1,842)	1:75:A:GLU:HB3	1:76:A:GLU:H	19	0.18
(1,816)	1:74:A:LYS:HB2	1:73:B:LEU:HD11	5	0.18
(1,816)	1:74:A:LYS:HB2	1:73:B:LEU:HD12	5	0.18
(1,816)	1:74:A:LYS:HB2	1:73:B:LEU:HD13	5	0.18
(1,769)	1:72:A:LYS:HA	1:72:A:LYS:HD2	2	0.18
(1,769)	1:72:A:LYS:HA	1:72:A:LYS:HD3	2	0.18
(1,769)	1:72:A:LYS:HA	1:72:A:LYS:HD2	6	0.18
(1,769)	1:72:A:LYS:HA	1:72:A:LYS:HD3	6	0.18
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD21	18	0.18
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD22	18	0.18
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD23	18	0.18
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD21	18	0.18
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD22	18	0.18
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD23	18	0.18
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD11	18	0.18
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD12	18	0.18
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD13	18	0.18
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD21	18	0.18
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD22	18	0.18
(1,731)	1:70:A:TYR:HD1	1:71:B:LEU:HD23	18	0.18
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD11	18	0.18
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD12	18	0.18
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD13	18	0.18
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD21	18	0.18
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD22	18	0.18
(1,731)	1:70:A:TYR:HD2	1:71:B:LEU:HD23	18	0.18
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD11	3	0.18
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD12	3	0.18
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD13	3	0.18
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD21	3	0.18
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD22	3	0.18
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD23	3	0.18
(1,662)	1:65:A:GLN:HB2	1:23:B:ILE:HG21	4	0.18
(1,662)	1:65:A:GLN:HB2	1:23:B:ILE:HG22	4	0.18
(1,662)	1:65:A:GLN:HB2	1:23:B:ILE:HG23	4	0.18
(1,662)	1:65:A:GLN:HB3	1:23:B:ILE:HG21	4	0.18
(1,662)	1:65:A:GLN:HB3	1:23:B:ILE:HG22	4	0.18
(1,662)	1:65:A:GLN:HB3	1:23:B:ILE:HG23	4	0.18
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG21	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG22	12	0.18
(1,658)	1:65:A:GLN:HA	1:23:B:ILE:HG23	12	0.18
(1,632)	1:64:A:VAL:HB	1:36:B:ALA:HA	6	0.18
(1,599)	1:62:A:THR:H	1:63:B:ALA:HB1	9	0.18
(1,599)	1:62:A:THR:H	1:63:B:ALA:HB2	9	0.18
(1,599)	1:62:A:THR:H	1:63:B:ALA:HB3	9	0.18
(1,588)	1:61:A:LEU:HA	1:65:A:GLN:H	6	0.18
(1,586)	1:61:A:LEU:HA	1:64:A:VAL:HB	6	0.18
(1,586)	1:61:A:LEU:HA	1:64:A:VAL:HB	10	0.18
(1,504)	1:56:A:PRO:HG2	1:56:B:PRO:HA	9	0.18
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG11	14	0.18
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG12	14	0.18
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG13	14	0.18
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG21	14	0.18
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG22	14	0.18
(1,503)	1:56:A:PRO:HA	1:60:A:VAL:HG23	14	0.18
(1,444)	1:48:A:GLU:H	1:48:A:GLU:HG2	3	0.18
(1,444)	1:48:A:GLU:H	1:48:A:GLU:HG3	3	0.18
(1,444)	1:48:A:GLU:H	1:48:A:GLU:HG2	4	0.18
(1,444)	1:48:A:GLU:H	1:48:A:GLU:HG3	4	0.18
(1,444)	1:48:A:GLU:H	1:48:A:GLU:HG2	11	0.18
(1,444)	1:48:A:GLU:H	1:48:A:GLU:HG3	11	0.18
(1,433)	1:46:A:PHE:HD1	1:62:A:THR:HB	10	0.18
(1,433)	1:46:A:PHE:HD2	1:62:A:THR:HB	10	0.18
(1,420)	1:46:A:PHE:H	1:46:A:PHE:HD1	3	0.18
(1,420)	1:46:A:PHE:H	1:46:A:PHE:HD2	3	0.18
(1,399)	1:43:A:MET:HB2	1:58:A:LEU:HG	4	0.18
(1,399)	1:43:A:MET:HB3	1:58:A:LEU:HG	4	0.18
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD11	1	0.18
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD12	1	0.18
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD13	1	0.18
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD21	1	0.18
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD22	1	0.18
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD23	1	0.18
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG21	4	0.18
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG22	4	0.18
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG23	4	0.18
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD11	3	0.18
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD12	3	0.18
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD13	3	0.18
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD21	3	0.18
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD22	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD23	3	0.18
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD11	13	0.18
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD12	13	0.18
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD13	13	0.18
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD21	13	0.18
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD22	13	0.18
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD23	13	0.18
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD11	15	0.18
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD12	15	0.18
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD13	15	0.18
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD21	15	0.18
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD22	15	0.18
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD23	15	0.18
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD11	20	0.18
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD12	20	0.18
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD13	20	0.18
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD21	20	0.18
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD22	20	0.18
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD23	20	0.18
(1,226)	1:28:A:SER:H	1:31:A:HIS:H	1	0.18
(1,223)	1:27:A:GLU:HA	1:28:A:SER:H	3	0.18
(1,223)	1:27:A:GLU:HA	1:28:A:SER:H	19	0.18
(1,220)	1:27:A:GLU:H	1:27:A:GLU:HG2	20	0.18
(1,220)	1:27:A:GLU:H	1:27:A:GLU:HG3	20	0.18
(1,213)	1:24:A:VAL:HB	1:65:B:GLN:HG2	19	0.18
(1,208)	1:23:A:ILE:HG21	1:65:B:GLN:HB2	16	0.18
(1,208)	1:23:A:ILE:HG21	1:65:B:GLN:HB3	16	0.18
(1,208)	1:23:A:ILE:HG22	1:65:B:GLN:HB2	16	0.18
(1,208)	1:23:A:ILE:HG22	1:65:B:GLN:HB3	16	0.18
(1,208)	1:23:A:ILE:HG23	1:65:B:GLN:HB2	16	0.18
(1,208)	1:23:A:ILE:HG23	1:65:B:GLN:HB3	16	0.18
(1,200)	1:23:A:ILE:HD11	1:65:B:GLN:HG2	6	0.18
(1,200)	1:23:A:ILE:HD11	1:65:B:GLN:HG3	6	0.18
(1,200)	1:23:A:ILE:HD12	1:65:B:GLN:HG2	6	0.18
(1,200)	1:23:A:ILE:HD12	1:65:B:GLN:HG3	6	0.18
(1,200)	1:23:A:ILE:HD13	1:65:B:GLN:HG2	6	0.18
(1,200)	1:23:A:ILE:HD13	1:65:B:GLN:HG3	6	0.18
(1,188)	1:23:A:ILE:H	1:23:A:ILE:HB	6	0.18
(1,188)	1:23:A:ILE:H	1:23:A:ILE:HB	18	0.18
(1,164)	1:20:A:ASP:H	1:21:A:TYR:HE1	18	0.18
(1,164)	1:20:A:ASP:H	1:21:A:TYR:HE2	18	0.18
(1,132)	1:16:A:ILE:HG21	1:21:A:TYR:HE1	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,132)	1:16:A:ILE:HG21	1:21:A:TYR:HE2	3	0.18
(1,132)	1:16:A:ILE:HG22	1:21:A:TYR:HE1	3	0.18
(1,132)	1:16:A:ILE:HG22	1:21:A:TYR:HE2	3	0.18
(1,132)	1:16:A:ILE:HG23	1:21:A:TYR:HE1	3	0.18
(1,132)	1:16:A:ILE:HG23	1:21:A:TYR:HE2	3	0.18
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB1	5	0.18
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB2	5	0.18
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB3	5	0.18
(1,78)	1:14:A:VAL:H	1:22:A:THR:HG21	6	0.18
(1,78)	1:14:A:VAL:H	1:22:A:THR:HG22	6	0.18
(1,78)	1:14:A:VAL:H	1:22:A:THR:HG23	6	0.18
(1,64)	1:12:A:VAL:HG11	1:33:A:ARG:HA	9	0.18
(1,64)	1:12:A:VAL:HG12	1:33:A:ARG:HA	9	0.18
(1,64)	1:12:A:VAL:HG13	1:33:A:ARG:HA	9	0.18
(1,64)	1:12:A:VAL:HG21	1:33:A:ARG:HA	9	0.18
(1,64)	1:12:A:VAL:HG22	1:33:A:ARG:HA	9	0.18
(1,64)	1:12:A:VAL:HG23	1:33:A:ARG:HA	9	0.18
(1,61)	1:12:A:VAL:HG11	1:29:A:PRO:HA	4	0.18
(1,61)	1:12:A:VAL:HG12	1:29:A:PRO:HA	4	0.18
(1,61)	1:12:A:VAL:HG13	1:29:A:PRO:HA	4	0.18
(1,61)	1:12:A:VAL:HG21	1:29:A:PRO:HA	4	0.18
(1,61)	1:12:A:VAL:HG22	1:29:A:PRO:HA	4	0.18
(1,61)	1:12:A:VAL:HG23	1:29:A:PRO:HA	4	0.18
(1,53)	1:12:A:VAL:H	1:25:A:GLY:H	19	0.18
(1,45)	1:11:A:ARG:HD2	1:22:A:THR:HB	1	0.18
(1,45)	1:11:A:ARG:HD3	1:22:A:THR:HB	1	0.18
(1,37)	1:11:A:ARG:H	1:25:A:GLY:H	17	0.18
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG11	16	0.18
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG12	16	0.18
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG13	16	0.18
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG21	16	0.18
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG22	16	0.18
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG23	16	0.18
(1,23)	1:10:A:THR:H	1:26:A:ALA:HA	20	0.18
(1,22)	1:10:A:THR:H	1:25:A:GLY:H	10	0.18
(1,1772)	1:85:B:LYS:H	1:85:B:LYS:HD2	20	0.17
(1,1772)	1:85:B:LYS:H	1:85:B:LYS:HD3	20	0.17
(1,1746)	1:82:B:GLU:HA	1:85:B:LYS:HB2	17	0.17
(1,1746)	1:82:B:GLU:HA	1:85:B:LYS:HB3	17	0.17
(1,1674)	1:77:B:TYR:HA	1:80:B:LEU:HB2	13	0.17
(1,1674)	1:77:B:TYR:HA	1:80:B:LEU:HB3	13	0.17
(1,1673)	1:77:B:TYR:HA	1:80:B:LEU:H	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1651)	1:75:B:GLU:HA	1:78:B:GLN:H	6	0.17
(1,1643)	1:74:B:LYS:HG2	1:75:B:GLU:HB2	7	0.17
(1,1643)	1:74:B:LYS:HG2	1:75:B:GLU:HB3	7	0.17
(1,1643)	1:74:B:LYS:HG3	1:75:B:GLU:HB2	7	0.17
(1,1643)	1:74:B:LYS:HG3	1:75:B:GLU:HB3	7	0.17
(1,1640)	1:74:B:LYS:HB2	1:75:B:GLU:HB2	6	0.17
(1,1640)	1:74:B:LYS:HB2	1:75:B:GLU:HB3	6	0.17
(1,1640)	1:74:B:LYS:HB3	1:75:B:GLU:HB2	6	0.17
(1,1640)	1:74:B:LYS:HB3	1:75:B:GLU:HB3	6	0.17
(1,1640)	1:74:B:LYS:HB2	1:75:B:GLU:HB2	10	0.17
(1,1640)	1:74:B:LYS:HB2	1:75:B:GLU:HB3	10	0.17
(1,1640)	1:74:B:LYS:HB3	1:75:B:GLU:HB2	10	0.17
(1,1640)	1:74:B:LYS:HB3	1:75:B:GLU:HB3	10	0.17
(1,1627)	1:74:B:LYS:HA	1:75:B:GLU:HA	17	0.17
(1,1616)	1:73:B:LEU:HD11	1:75:B:GLU:H	13	0.17
(1,1616)	1:73:B:LEU:HD12	1:75:B:GLU:H	13	0.17
(1,1616)	1:73:B:LEU:HD13	1:75:B:GLU:H	13	0.17
(1,1616)	1:73:B:LEU:HD21	1:75:B:GLU:H	13	0.17
(1,1616)	1:73:B:LEU:HD22	1:75:B:GLU:H	13	0.17
(1,1616)	1:73:B:LEU:HD23	1:75:B:GLU:H	13	0.17
(1,1614)	1:73:B:LEU:HD11	1:74:B:LYS:HA	17	0.17
(1,1614)	1:73:B:LEU:HD12	1:74:B:LYS:HA	17	0.17
(1,1614)	1:73:B:LEU:HD13	1:74:B:LYS:HA	17	0.17
(1,1614)	1:73:B:LEU:HD21	1:74:B:LYS:HA	17	0.17
(1,1614)	1:73:B:LEU:HD22	1:74:B:LYS:HA	17	0.17
(1,1614)	1:73:B:LEU:HD23	1:74:B:LYS:HA	17	0.17
(1,1613)	1:73:B:LEU:HD11	1:74:B:LYS:H	19	0.17
(1,1613)	1:73:B:LEU:HD12	1:74:B:LYS:H	19	0.17
(1,1613)	1:73:B:LEU:HD13	1:74:B:LYS:H	19	0.17
(1,1613)	1:73:B:LEU:HD21	1:74:B:LYS:H	19	0.17
(1,1613)	1:73:B:LEU:HD22	1:74:B:LYS:H	19	0.17
(1,1613)	1:73:B:LEU:HD23	1:74:B:LYS:H	19	0.17
(1,1592)	1:72:B:LYS:HA	1:74:B:LYS:H	7	0.17
(1,1566)	1:70:B:TYR:HD1	1:73:B:LEU:HD11	14	0.17
(1,1566)	1:70:B:TYR:HD1	1:73:B:LEU:HD12	14	0.17
(1,1566)	1:70:B:TYR:HD1	1:73:B:LEU:HD13	14	0.17
(1,1566)	1:70:B:TYR:HD1	1:73:B:LEU:HD21	14	0.17
(1,1566)	1:70:B:TYR:HD1	1:73:B:LEU:HD22	14	0.17
(1,1566)	1:70:B:TYR:HD1	1:73:B:LEU:HD23	14	0.17
(1,1566)	1:70:B:TYR:HD2	1:73:B:LEU:HD11	14	0.17
(1,1566)	1:70:B:TYR:HD2	1:73:B:LEU:HD12	14	0.17
(1,1566)	1:70:B:TYR:HD2	1:73:B:LEU:HD13	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1566)	1:70:B:TYR:HD2	1:73:B:LEU:HD21	14	0.17
(1,1566)	1:70:B:TYR:HD2	1:73:B:LEU:HD22	14	0.17
(1,1566)	1:70:B:TYR:HD2	1:73:B:LEU:HD23	14	0.17
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD11	12	0.17
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD12	12	0.17
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD13	12	0.17
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD21	12	0.17
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD22	12	0.17
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD23	12	0.17
(1,1549)	1:69:B:GLU:H	1:72:B:LYS:HG2	8	0.17
(1,1549)	1:69:B:GLU:H	1:72:B:LYS:HG3	8	0.17
(1,1473)	1:61:B:LEU:HA	1:64:B:VAL:HB	2	0.17
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG11	16	0.17
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG12	16	0.17
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG13	16	0.17
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG21	16	0.17
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG22	16	0.17
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG23	16	0.17
(1,1304)	1:42:B:LYS:H	1:62:B:THR:HG21	17	0.17
(1,1304)	1:42:B:LYS:H	1:62:B:THR:HG22	17	0.17
(1,1304)	1:42:B:LYS:H	1:62:B:THR:HG23	17	0.17
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD11	1	0.17
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD12	1	0.17
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD13	1	0.17
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD21	1	0.17
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD22	1	0.17
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD23	1	0.17
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD11	11	0.17
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD12	11	0.17
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD13	11	0.17
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD21	11	0.17
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD22	11	0.17
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD23	11	0.17
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD11	12	0.17
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD12	12	0.17
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD13	12	0.17
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD21	12	0.17
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD22	12	0.17
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD23	12	0.17
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD11	17	0.17
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD12	17	0.17
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD13	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD21	17	0.17
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD22	17	0.17
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD23	17	0.17
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD11	20	0.17
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD12	20	0.17
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD13	20	0.17
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD21	20	0.17
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD22	20	0.17
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD23	20	0.17
(1,1197)	1:30:B:ALA:HB1	1:33:B:ARG:HD2	3	0.17
(1,1197)	1:30:B:ALA:HB1	1:33:B:ARG:HD3	3	0.17
(1,1197)	1:30:B:ALA:HB2	1:33:B:ARG:HD2	3	0.17
(1,1197)	1:30:B:ALA:HB2	1:33:B:ARG:HD3	3	0.17
(1,1197)	1:30:B:ALA:HB3	1:33:B:ARG:HD2	3	0.17
(1,1197)	1:30:B:ALA:HB3	1:33:B:ARG:HD3	3	0.17
(1,1189)	1:29:B:PRO:HG2	1:30:B:ALA:H	18	0.17
(1,1189)	1:29:B:PRO:HG3	1:30:B:ALA:H	18	0.17
(1,1181)	1:27:B:GLU:HA	1:28:B:SER:H	1	0.17
(1,1181)	1:27:B:GLU:HA	1:28:B:SER:H	5	0.17
(1,1181)	1:27:B:GLU:HA	1:28:B:SER:H	7	0.17
(1,1181)	1:27:B:GLU:HA	1:28:B:SER:H	10	0.17
(1,1181)	1:27:B:GLU:HA	1:28:B:SER:H	11	0.17
(1,1181)	1:27:B:GLU:HA	1:28:B:SER:H	16	0.17
(1,1181)	1:27:B:GLU:HA	1:28:B:SER:H	17	0.17
(1,1181)	1:27:B:GLU:HA	1:28:B:SER:H	20	0.17
(1,1120)	1:17:B:TYR:HE1	1:44:B:HIS:HA	14	0.17
(1,1120)	1:17:B:TYR:HE2	1:44:B:HIS:HA	14	0.17
(1,1072)	1:15:B:ARG:H	1:16:B:ILE:H	6	0.17
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB1	15	0.17
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB2	15	0.17
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB3	15	0.17
(1,1060)	1:14:B:VAL:H	1:23:B:ILE:H	5	0.17
(1,1059)	1:14:B:VAL:H	1:22:B:THR:HG21	17	0.17
(1,1059)	1:14:B:VAL:H	1:22:B:THR:HG22	17	0.17
(1,1059)	1:14:B:VAL:H	1:22:B:THR:HG23	17	0.17
(1,1046)	1:12:B:VAL:HG11	1:33:B:ARG:HD2	20	0.17
(1,1046)	1:12:B:VAL:HG11	1:33:B:ARG:HD3	20	0.17
(1,1046)	1:12:B:VAL:HG12	1:33:B:ARG:HD2	20	0.17
(1,1046)	1:12:B:VAL:HG12	1:33:B:ARG:HD3	20	0.17
(1,1046)	1:12:B:VAL:HG13	1:33:B:ARG:HD2	20	0.17
(1,1046)	1:12:B:VAL:HG13	1:33:B:ARG:HD3	20	0.17
(1,1046)	1:12:B:VAL:HG21	1:33:B:ARG:HD2	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1046)	1:12:B:VAL:HG21	1:33:B:ARG:HD3	20	0.17
(1,1046)	1:12:B:VAL:HG22	1:33:B:ARG:HD2	20	0.17
(1,1046)	1:12:B:VAL:HG22	1:33:B:ARG:HD3	20	0.17
(1,1046)	1:12:B:VAL:HG23	1:33:B:ARG:HD2	20	0.17
(1,1046)	1:12:B:VAL:HG23	1:33:B:ARG:HD3	20	0.17
(1,1045)	1:12:B:VAL:HG11	1:33:B:ARG:HA	20	0.17
(1,1045)	1:12:B:VAL:HG12	1:33:B:ARG:HA	20	0.17
(1,1045)	1:12:B:VAL:HG13	1:33:B:ARG:HA	20	0.17
(1,1045)	1:12:B:VAL:HG21	1:33:B:ARG:HA	20	0.17
(1,1045)	1:12:B:VAL:HG22	1:33:B:ARG:HA	20	0.17
(1,1045)	1:12:B:VAL:HG23	1:33:B:ARG:HA	20	0.17
(1,918)	1:80:A:LEU:HD11	1:81:A:ARG:HA	18	0.17
(1,918)	1:80:A:LEU:HD12	1:81:A:ARG:HA	18	0.17
(1,918)	1:80:A:LEU:HD13	1:81:A:ARG:HA	18	0.17
(1,918)	1:80:A:LEU:HD21	1:81:A:ARG:HA	18	0.17
(1,918)	1:80:A:LEU:HD22	1:81:A:ARG:HA	18	0.17
(1,918)	1:80:A:LEU:HD23	1:81:A:ARG:HA	18	0.17
(1,908)	1:80:A:LEU:HA	1:83:A:GLN:H	9	0.17
(1,857)	1:76:A:GLU:HG2	1:77:B:TYR:HE1	7	0.17
(1,857)	1:76:A:GLU:HG2	1:77:B:TYR:HE2	7	0.17
(1,857)	1:76:A:GLU:HG3	1:77:B:TYR:HE1	7	0.17
(1,857)	1:76:A:GLU:HG3	1:77:B:TYR:HE2	7	0.17
(1,846)	1:76:A:GLU:H	1:76:A:GLU:HG2	20	0.17
(1,846)	1:76:A:GLU:H	1:76:A:GLU:HG3	20	0.17
(1,826)	1:74:A:LYS:HB2	1:75:A:GLU:HB2	19	0.17
(1,826)	1:74:A:LYS:HB2	1:75:A:GLU:HB3	19	0.17
(1,826)	1:74:A:LYS:HB3	1:75:A:GLU:HB2	19	0.17
(1,826)	1:74:A:LYS:HB3	1:75:A:GLU:HB3	19	0.17
(1,816)	1:74:A:LYS:HB2	1:73:B:LEU:HD11	13	0.17
(1,816)	1:74:A:LYS:HB2	1:73:B:LEU:HD12	13	0.17
(1,816)	1:74:A:LYS:HB2	1:73:B:LEU:HD13	13	0.17
(1,812)	1:74:A:LYS:HA	1:75:A:GLU:HA	6	0.17
(1,803)	1:73:A:LEU:HD11	1:76:A:GLU:HG2	6	0.17
(1,803)	1:73:A:LEU:HD11	1:76:A:GLU:HG3	6	0.17
(1,803)	1:73:A:LEU:HD12	1:76:A:GLU:HG2	6	0.17
(1,803)	1:73:A:LEU:HD12	1:76:A:GLU:HG3	6	0.17
(1,803)	1:73:A:LEU:HD13	1:76:A:GLU:HG2	6	0.17
(1,803)	1:73:A:LEU:HD13	1:76:A:GLU:HG3	6	0.17
(1,803)	1:73:A:LEU:HD21	1:76:A:GLU:HG2	6	0.17
(1,803)	1:73:A:LEU:HD21	1:76:A:GLU:HG3	6	0.17
(1,803)	1:73:A:LEU:HD22	1:76:A:GLU:HG2	6	0.17
(1,803)	1:73:A:LEU:HD22	1:76:A:GLU:HG3	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,803)	1:73:A:LEU:HD23	1:76:A:GLU:HG2	6	0.17
(1,803)	1:73:A:LEU:HD23	1:76:A:GLU:HG3	6	0.17
(1,802)	1:73:A:LEU:HD11	1:76:A:GLU:HB2	2	0.17
(1,802)	1:73:A:LEU:HD11	1:76:A:GLU:HB3	2	0.17
(1,802)	1:73:A:LEU:HD12	1:76:A:GLU:HB2	2	0.17
(1,802)	1:73:A:LEU:HD12	1:76:A:GLU:HB3	2	0.17
(1,802)	1:73:A:LEU:HD13	1:76:A:GLU:HB2	2	0.17
(1,802)	1:73:A:LEU:HD13	1:76:A:GLU:HB3	2	0.17
(1,802)	1:73:A:LEU:HD21	1:76:A:GLU:HB2	2	0.17
(1,802)	1:73:A:LEU:HD21	1:76:A:GLU:HB3	2	0.17
(1,802)	1:73:A:LEU:HD22	1:76:A:GLU:HB2	2	0.17
(1,802)	1:73:A:LEU:HD22	1:76:A:GLU:HB3	2	0.17
(1,802)	1:73:A:LEU:HD23	1:76:A:GLU:HB2	2	0.17
(1,802)	1:73:A:LEU:HD23	1:76:A:GLU:HB3	2	0.17
(1,764)	1:71:A:LEU:HD11	1:74:A:LYS:HE2	7	0.17
(1,764)	1:71:A:LEU:HD11	1:74:A:LYS:HE3	7	0.17
(1,764)	1:71:A:LEU:HD12	1:74:A:LYS:HE2	7	0.17
(1,764)	1:71:A:LEU:HD12	1:74:A:LYS:HE3	7	0.17
(1,764)	1:71:A:LEU:HD13	1:74:A:LYS:HE2	7	0.17
(1,764)	1:71:A:LEU:HD13	1:74:A:LYS:HE3	7	0.17
(1,764)	1:71:A:LEU:HD21	1:74:A:LYS:HE2	7	0.17
(1,764)	1:71:A:LEU:HD21	1:74:A:LYS:HE3	7	0.17
(1,764)	1:71:A:LEU:HD22	1:74:A:LYS:HE2	7	0.17
(1,764)	1:71:A:LEU:HD22	1:74:A:LYS:HE3	7	0.17
(1,764)	1:71:A:LEU:HD23	1:74:A:LYS:HE2	7	0.17
(1,764)	1:71:A:LEU:HD23	1:74:A:LYS:HE3	7	0.17
(1,750)	1:71:A:LEU:HA	1:75:A:GLU:HB2	7	0.17
(1,750)	1:71:A:LEU:HA	1:75:A:GLU:HB3	7	0.17
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD11	15	0.17
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD12	15	0.17
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD13	15	0.17
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD21	15	0.17
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD22	15	0.17
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD23	15	0.17
(1,632)	1:64:A:VAL:HB	1:36:B:ALA:HA	17	0.17
(1,613)	1:63:A:ALA:H	1:64:A:VAL:HG11	9	0.17
(1,613)	1:63:A:ALA:H	1:64:A:VAL:HG12	9	0.17
(1,613)	1:63:A:ALA:H	1:64:A:VAL:HG13	9	0.17
(1,613)	1:63:A:ALA:H	1:64:A:VAL:HG21	9	0.17
(1,613)	1:63:A:ALA:H	1:64:A:VAL:HG22	9	0.17
(1,613)	1:63:A:ALA:H	1:64:A:VAL:HG23	9	0.17
(1,593)	1:61:A:LEU:HG	1:62:A:THR:HA	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,559)	1:60:A:VAL:HB	1:16:B:ILE:HG21	19	0.17
(1,559)	1:60:A:VAL:HB	1:16:B:ILE:HG22	19	0.17
(1,559)	1:60:A:VAL:HB	1:16:B:ILE:HG23	19	0.17
(1,551)	1:60:A:VAL:H	1:60:A:VAL:HB	8	0.17
(1,551)	1:60:A:VAL:H	1:60:A:VAL:HB	13	0.17
(1,507)	1:56:A:PRO:HG3	1:57:A:LYS:H	11	0.17
(1,449)	1:48:A:GLU:HG2	1:49:A:LYS:H	9	0.17
(1,449)	1:48:A:GLU:HG3	1:49:A:LYS:H	9	0.17
(1,437)	1:47:A:SER:H	1:58:A:LEU:HG	5	0.17
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD11	5	0.17
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD12	5	0.17
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD13	5	0.17
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD21	5	0.17
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD22	5	0.17
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD23	5	0.17
(1,399)	1:43:A:MET:HB2	1:58:A:LEU:HG	6	0.17
(1,399)	1:43:A:MET:HB3	1:58:A:LEU:HG	6	0.17
(1,387)	1:42:A:LYS:HD2	1:66:A:ILE:HA	3	0.17
(1,387)	1:42:A:LYS:HD3	1:66:A:ILE:HA	3	0.17
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG21	18	0.17
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG22	18	0.17
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG23	18	0.17
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG11	12	0.17
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG12	12	0.17
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG13	12	0.17
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG21	12	0.17
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG22	12	0.17
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG23	12	0.17
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG11	12	0.17
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG12	12	0.17
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG13	12	0.17
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG21	12	0.17
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG22	12	0.17
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG23	12	0.17
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG11	12	0.17
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG12	12	0.17
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG13	12	0.17
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG21	12	0.17
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG22	12	0.17
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG23	12	0.17
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB1	7	0.17
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB2	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB3	7	0.17
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB1	7	0.17
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB2	7	0.17
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB3	7	0.17
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB1	7	0.17
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB2	7	0.17
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB3	7	0.17
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB1	7	0.17
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB2	7	0.17
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB3	7	0.17
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB1	7	0.17
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB2	7	0.17
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB3	7	0.17
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB1	7	0.17
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB2	7	0.17
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB3	7	0.17
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB1	13	0.17
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB2	13	0.17
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB3	13	0.17
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB1	13	0.17
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB2	13	0.17
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB3	13	0.17
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB1	13	0.17
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB2	13	0.17
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB3	13	0.17
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB1	13	0.17
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB2	13	0.17
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB3	13	0.17
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB1	13	0.17
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB2	13	0.17
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB3	13	0.17
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB1	13	0.17
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB2	13	0.17
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB3	13	0.17
(1,289)	1:34:A:LEU:HD11	1:35:A:VAL:H	7	0.17
(1,289)	1:34:A:LEU:HD12	1:35:A:VAL:H	7	0.17
(1,289)	1:34:A:LEU:HD13	1:35:A:VAL:H	7	0.17
(1,289)	1:34:A:LEU:HD21	1:35:A:VAL:H	7	0.17
(1,289)	1:34:A:LEU:HD22	1:35:A:VAL:H	7	0.17
(1,289)	1:34:A:LEU:HD23	1:35:A:VAL:H	7	0.17
(1,289)	1:34:A:LEU:HD11	1:35:A:VAL:H	19	0.17
(1,289)	1:34:A:LEU:HD12	1:35:A:VAL:H	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,289)	1:34:A:LEU:HD13	1:35:A:VAL:H	19	0.17
(1,289)	1:34:A:LEU:HD21	1:35:A:VAL:H	19	0.17
(1,289)	1:34:A:LEU:HD22	1:35:A:VAL:H	19	0.17
(1,289)	1:34:A:LEU:HD23	1:35:A:VAL:H	19	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD11	1	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD12	1	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD13	1	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD21	1	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD22	1	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD23	1	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD11	6	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD12	6	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD13	6	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD21	6	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD22	6	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD23	6	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD11	9	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD12	9	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD13	9	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD21	9	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD22	9	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD23	9	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD11	10	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD12	10	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD13	10	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD21	10	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD22	10	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD23	10	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD11	12	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD12	12	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD13	12	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD21	12	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD22	12	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD23	12	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD11	17	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD12	17	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD13	17	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD21	17	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD22	17	0.17
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD23	17	0.17
(1,244)	1:31:A:HIS:HA	1:34:A:LEU:HB2	5	0.17
(1,244)	1:31:A:HIS:HA	1:34:A:LEU:HB3	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,232)	1:29:A:PRO:HG2	1:30:A:ALA:H	18	0.17
(1,232)	1:29:A:PRO:HG3	1:30:A:ALA:H	18	0.17
(1,226)	1:28:A:SER:H	1:31:A:HIS:H	8	0.17
(1,224)	1:27:A:GLU:HB2	1:72:B:LYS:H	17	0.17
(1,224)	1:27:A:GLU:HB3	1:72:B:LYS:H	17	0.17
(1,220)	1:27:A:GLU:H	1:27:A:GLU:HG2	17	0.17
(1,220)	1:27:A:GLU:H	1:27:A:GLU:HG3	17	0.17
(1,205)	1:23:A:ILE:HG21	1:24:A:VAL:H	1	0.17
(1,205)	1:23:A:ILE:HG22	1:24:A:VAL:H	1	0.17
(1,205)	1:23:A:ILE:HG23	1:24:A:VAL:H	1	0.17
(1,198)	1:23:A:ILE:HD11	1:64:B:VAL:HB	1	0.17
(1,198)	1:23:A:ILE:HD12	1:64:B:VAL:HB	1	0.17
(1,198)	1:23:A:ILE:HD13	1:64:B:VAL:HB	1	0.17
(1,188)	1:23:A:ILE:H	1:23:A:ILE:HB	4	0.17
(1,188)	1:23:A:ILE:H	1:23:A:ILE:HB	8	0.17
(1,172)	1:21:A:TYR:HB2	1:23:A:ILE:HD11	11	0.17
(1,172)	1:21:A:TYR:HB2	1:23:A:ILE:HD12	11	0.17
(1,172)	1:21:A:TYR:HB2	1:23:A:ILE:HD13	11	0.17
(1,172)	1:21:A:TYR:HB3	1:23:A:ILE:HD11	11	0.17
(1,172)	1:21:A:TYR:HB3	1:23:A:ILE:HD12	11	0.17
(1,172)	1:21:A:TYR:HB3	1:23:A:ILE:HD13	11	0.17
(1,164)	1:20:A:ASP:H	1:21:A:TYR:HE1	4	0.17
(1,164)	1:20:A:ASP:H	1:21:A:TYR:HE2	4	0.17
(1,133)	1:16:A:ILE:HG21	1:60:B:VAL:HB	2	0.17
(1,133)	1:16:A:ILE:HG22	1:60:B:VAL:HB	2	0.17
(1,133)	1:16:A:ILE:HG23	1:60:B:VAL:HB	2	0.17
(1,131)	1:16:A:ILE:HG21	1:21:A:TYR:HD1	13	0.17
(1,131)	1:16:A:ILE:HG21	1:21:A:TYR:HD2	13	0.17
(1,131)	1:16:A:ILE:HG22	1:21:A:TYR:HD1	13	0.17
(1,131)	1:16:A:ILE:HG22	1:21:A:TYR:HD2	13	0.17
(1,131)	1:16:A:ILE:HG23	1:21:A:TYR:HD1	13	0.17
(1,131)	1:16:A:ILE:HG23	1:21:A:TYR:HD2	13	0.17
(1,111)	1:16:A:ILE:H	1:19:A:GLN:H	11	0.17
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB1	15	0.17
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB2	15	0.17
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB3	15	0.17
(1,65)	1:12:A:VAL:HG11	1:33:A:ARG:HD2	19	0.17
(1,65)	1:12:A:VAL:HG11	1:33:A:ARG:HD3	19	0.17
(1,65)	1:12:A:VAL:HG12	1:33:A:ARG:HD2	19	0.17
(1,65)	1:12:A:VAL:HG12	1:33:A:ARG:HD3	19	0.17
(1,65)	1:12:A:VAL:HG13	1:33:A:ARG:HD2	19	0.17
(1,65)	1:12:A:VAL:HG13	1:33:A:ARG:HD3	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,65)	1:12:A:VAL:HG21	1:33:A:ARG:HD2	19	0.17
(1,65)	1:12:A:VAL:HG21	1:33:A:ARG:HD3	19	0.17
(1,65)	1:12:A:VAL:HG22	1:33:A:ARG:HD2	19	0.17
(1,65)	1:12:A:VAL:HG22	1:33:A:ARG:HD3	19	0.17
(1,65)	1:12:A:VAL:HG23	1:33:A:ARG:HD2	19	0.17
(1,65)	1:12:A:VAL:HG23	1:33:A:ARG:HD3	19	0.17
(1,53)	1:12:A:VAL:H	1:25:A:GLY:H	9	0.17
(1,42)	1:11:A:ARG:HA	1:25:A:GLY:H	11	0.17
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG11	18	0.17
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG12	18	0.17
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG13	18	0.17
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG21	18	0.17
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG22	18	0.17
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG23	18	0.17
(1,1745)	1:82:B:GLU:HA	1:85:B:LYS:H	6	0.16
(1,1674)	1:77:B:TYR:HA	1:80:B:LEU:HB2	5	0.16
(1,1674)	1:77:B:TYR:HA	1:80:B:LEU:HB3	5	0.16
(1,1655)	1:76:B:GLU:H	1:76:B:GLU:HG2	16	0.16
(1,1655)	1:76:B:GLU:H	1:76:B:GLU:HG3	16	0.16
(1,1651)	1:75:B:GLU:HA	1:78:B:GLN:H	13	0.16
(1,1640)	1:74:B:LYS:HB2	1:75:B:GLU:HB2	17	0.16
(1,1640)	1:74:B:LYS:HB2	1:75:B:GLU:HB3	17	0.16
(1,1640)	1:74:B:LYS:HB3	1:75:B:GLU:HB2	17	0.16
(1,1640)	1:74:B:LYS:HB3	1:75:B:GLU:HB3	17	0.16
(1,1627)	1:74:B:LYS:HA	1:75:B:GLU:HA	3	0.16
(1,1627)	1:74:B:LYS:HA	1:75:B:GLU:HA	9	0.16
(1,1614)	1:73:B:LEU:HD11	1:74:B:LYS:HA	11	0.16
(1,1614)	1:73:B:LEU:HD12	1:74:B:LYS:HA	11	0.16
(1,1614)	1:73:B:LEU:HD13	1:74:B:LYS:HA	11	0.16
(1,1614)	1:73:B:LEU:HD21	1:74:B:LYS:HA	11	0.16
(1,1614)	1:73:B:LEU:HD22	1:74:B:LYS:HA	11	0.16
(1,1614)	1:73:B:LEU:HD23	1:74:B:LYS:HA	11	0.16
(1,1596)	1:72:B:LYS:HA	1:76:B:GLU:H	7	0.16
(1,1589)	1:72:B:LYS:HA	1:72:B:LYS:HD2	14	0.16
(1,1589)	1:72:B:LYS:HA	1:72:B:LYS:HD3	14	0.16
(1,1512)	1:64:B:VAL:HG11	1:68:B:SER:H	16	0.16
(1,1512)	1:64:B:VAL:HG12	1:68:B:SER:H	16	0.16
(1,1512)	1:64:B:VAL:HG13	1:68:B:SER:H	16	0.16
(1,1512)	1:64:B:VAL:HG21	1:68:B:SER:H	16	0.16
(1,1512)	1:64:B:VAL:HG22	1:68:B:SER:H	16	0.16
(1,1512)	1:64:B:VAL:HG23	1:68:B:SER:H	16	0.16
(1,1459)	1:60:B:VAL:HB	1:63:B:ALA:HB1	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1459)	1:60:B:VAL:HB	1:63:B:ALA:HB2	4	0.16
(1,1459)	1:60:B:VAL:HB	1:63:B:ALA:HB3	4	0.16
(1,1304)	1:42:B:LYS:H	1:62:B:THR:HG21	1	0.16
(1,1304)	1:42:B:LYS:H	1:62:B:THR:HG22	1	0.16
(1,1304)	1:42:B:LYS:H	1:62:B:THR:HG23	1	0.16
(1,1304)	1:42:B:LYS:H	1:62:B:THR:HG21	8	0.16
(1,1304)	1:42:B:LYS:H	1:62:B:THR:HG22	8	0.16
(1,1304)	1:42:B:LYS:H	1:62:B:THR:HG23	8	0.16
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD11	2	0.16
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD12	2	0.16
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD13	2	0.16
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD21	2	0.16
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD22	2	0.16
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD23	2	0.16
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD11	3	0.16
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD12	3	0.16
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD13	3	0.16
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD21	3	0.16
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD22	3	0.16
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD23	3	0.16
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD11	5	0.16
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD12	5	0.16
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD13	5	0.16
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD21	5	0.16
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD22	5	0.16
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD23	5	0.16
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD11	15	0.16
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD12	15	0.16
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD13	15	0.16
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD21	15	0.16
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD22	15	0.16
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD23	15	0.16
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD11	18	0.16
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD12	18	0.16
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD13	18	0.16
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD21	18	0.16
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD22	18	0.16
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD23	18	0.16
(1,1231)	1:33:B:ARG:HB2	1:34:B:LEU:HD11	9	0.16
(1,1231)	1:33:B:ARG:HB2	1:34:B:LEU:HD12	9	0.16
(1,1231)	1:33:B:ARG:HB2	1:34:B:LEU:HD13	9	0.16
(1,1231)	1:33:B:ARG:HB2	1:34:B:LEU:HD21	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1231)	1:33:B:ARG:HB2	1:34:B:LEU:HD22	9	0.16
(1,1231)	1:33:B:ARG:HB2	1:34:B:LEU:HD23	9	0.16
(1,1231)	1:33:B:ARG:HB3	1:34:B:LEU:HD11	9	0.16
(1,1231)	1:33:B:ARG:HB3	1:34:B:LEU:HD12	9	0.16
(1,1231)	1:33:B:ARG:HB3	1:34:B:LEU:HD13	9	0.16
(1,1231)	1:33:B:ARG:HB3	1:34:B:LEU:HD21	9	0.16
(1,1231)	1:33:B:ARG:HB3	1:34:B:LEU:HD22	9	0.16
(1,1231)	1:33:B:ARG:HB3	1:34:B:LEU:HD23	9	0.16
(1,1183)	1:28:B:SER:H	1:31:B:HIS:H	6	0.16
(1,1183)	1:28:B:SER:H	1:31:B:HIS:H	7	0.16
(1,1183)	1:28:B:SER:H	1:31:B:HIS:H	8	0.16
(1,1181)	1:27:B:GLU:HA	1:28:B:SER:H	6	0.16
(1,1181)	1:27:B:GLU:HA	1:28:B:SER:H	14	0.16
(1,1181)	1:27:B:GLU:HA	1:28:B:SER:H	19	0.16
(1,1146)	1:21:B:TYR:HB2	1:23:B:ILE:HD11	11	0.16
(1,1146)	1:21:B:TYR:HB2	1:23:B:ILE:HD12	11	0.16
(1,1146)	1:21:B:TYR:HB2	1:23:B:ILE:HD13	11	0.16
(1,1146)	1:21:B:TYR:HB3	1:23:B:ILE:HD11	11	0.16
(1,1146)	1:21:B:TYR:HB3	1:23:B:ILE:HD12	11	0.16
(1,1146)	1:21:B:TYR:HB3	1:23:B:ILE:HD13	11	0.16
(1,1138)	1:20:B:ASP:H	1:21:B:TYR:HE1	1	0.16
(1,1138)	1:20:B:ASP:H	1:21:B:TYR:HE2	1	0.16
(1,1128)	1:19:B:GLN:H	1:20:B:ASP:H	10	0.16
(1,1111)	1:16:B:ILE:HG21	1:21:B:TYR:HE1	5	0.16
(1,1111)	1:16:B:ILE:HG21	1:21:B:TYR:HE2	5	0.16
(1,1111)	1:16:B:ILE:HG22	1:21:B:TYR:HE1	5	0.16
(1,1111)	1:16:B:ILE:HG22	1:21:B:TYR:HE2	5	0.16
(1,1111)	1:16:B:ILE:HG23	1:21:B:TYR:HE1	5	0.16
(1,1111)	1:16:B:ILE:HG23	1:21:B:TYR:HE2	5	0.16
(1,1083)	1:15:B:ARG:HD2	1:19:B:GLN:H	16	0.16
(1,1083)	1:15:B:ARG:HD3	1:19:B:GLN:H	16	0.16
(1,1078)	1:15:B:ARG:HG2	1:19:B:GLN:H	2	0.16
(1,1072)	1:15:B:ARG:H	1:16:B:ILE:H	4	0.16
(1,1072)	1:15:B:ARG:H	1:16:B:ILE:H	8	0.16
(1,1072)	1:15:B:ARG:H	1:16:B:ILE:H	16	0.16
(1,1070)	1:15:B:ARG:H	1:15:B:ARG:HD2	13	0.16
(1,1070)	1:15:B:ARG:H	1:15:B:ARG:HD3	13	0.16
(1,1070)	1:15:B:ARG:H	1:15:B:ARG:HD2	14	0.16
(1,1070)	1:15:B:ARG:H	1:15:B:ARG:HD3	14	0.16
(1,1070)	1:15:B:ARG:H	1:15:B:ARG:HD2	19	0.16
(1,1070)	1:15:B:ARG:H	1:15:B:ARG:HD3	19	0.16
(1,1066)	1:14:B:VAL:HG11	1:33:B:ARG:H	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1066)	1:14:B:VAL:HG12	1:33:B:ARG:H	5	0.16
(1,1066)	1:14:B:VAL:HG13	1:33:B:ARG:H	5	0.16
(1,1066)	1:14:B:VAL:HG21	1:33:B:ARG:H	5	0.16
(1,1066)	1:14:B:VAL:HG22	1:33:B:ARG:H	5	0.16
(1,1066)	1:14:B:VAL:HG23	1:33:B:ARG:H	5	0.16
(1,1062)	1:14:B:VAL:HB	1:15:B:ARG:H	18	0.16
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB1	4	0.16
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB2	4	0.16
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB3	4	0.16
(1,1060)	1:14:B:VAL:H	1:23:B:ILE:H	13	0.16
(1,1045)	1:12:B:VAL:HG11	1:33:B:ARG:HA	14	0.16
(1,1045)	1:12:B:VAL:HG12	1:33:B:ARG:HA	14	0.16
(1,1045)	1:12:B:VAL:HG13	1:33:B:ARG:HA	14	0.16
(1,1045)	1:12:B:VAL:HG21	1:33:B:ARG:HA	14	0.16
(1,1045)	1:12:B:VAL:HG22	1:33:B:ARG:HA	14	0.16
(1,1045)	1:12:B:VAL:HG23	1:33:B:ARG:HA	14	0.16
(1,1038)	1:12:B:VAL:HB	1:25:B:GLY:H	6	0.16
(1,1011)	1:10:B:THR:HG21	1:12:B:VAL:HB	4	0.16
(1,1011)	1:10:B:THR:HG22	1:12:B:VAL:HB	4	0.16
(1,1011)	1:10:B:THR:HG23	1:12:B:VAL:HB	4	0.16
(1,976)	1:85:A:LYS:H	1:85:A:LYS:HD2	5	0.16
(1,976)	1:85:A:LYS:H	1:85:A:LYS:HD3	5	0.16
(1,897)	1:79:A:ARG:HA	1:82:A:GLU:H	9	0.16
(1,891)	1:79:A:ARG:H	1:79:A:ARG:HD2	19	0.16
(1,891)	1:79:A:ARG:H	1:79:A:ARG:HD3	19	0.16
(1,841)	1:75:A:GLU:HA	1:78:A:GLN:H	17	0.16
(1,812)	1:74:A:LYS:HA	1:75:A:GLU:HA	1	0.16
(1,812)	1:74:A:LYS:HA	1:75:A:GLU:HA	2	0.16
(1,802)	1:73:A:LEU:HD11	1:76:A:GLU:HB2	13	0.16
(1,802)	1:73:A:LEU:HD11	1:76:A:GLU:HB3	13	0.16
(1,802)	1:73:A:LEU:HD12	1:76:A:GLU:HB2	13	0.16
(1,802)	1:73:A:LEU:HD12	1:76:A:GLU:HB3	13	0.16
(1,802)	1:73:A:LEU:HD13	1:76:A:GLU:HB2	13	0.16
(1,802)	1:73:A:LEU:HD13	1:76:A:GLU:HB3	13	0.16
(1,802)	1:73:A:LEU:HD21	1:76:A:GLU:HB2	13	0.16
(1,802)	1:73:A:LEU:HD21	1:76:A:GLU:HB3	13	0.16
(1,802)	1:73:A:LEU:HD22	1:76:A:GLU:HB2	13	0.16
(1,802)	1:73:A:LEU:HD22	1:76:A:GLU:HB3	13	0.16
(1,802)	1:73:A:LEU:HD23	1:76:A:GLU:HB2	13	0.16
(1,802)	1:73:A:LEU:HD23	1:76:A:GLU:HB3	13	0.16
(1,801)	1:73:A:LEU:HD11	1:75:A:GLU:H	18	0.16
(1,801)	1:73:A:LEU:HD12	1:75:A:GLU:H	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,801)	1:73:A:LEU:HD13	1:75:A:GLU:H	18	0.16
(1,801)	1:73:A:LEU:HD21	1:75:A:GLU:H	18	0.16
(1,801)	1:73:A:LEU:HD22	1:75:A:GLU:H	18	0.16
(1,801)	1:73:A:LEU:HD23	1:75:A:GLU:H	18	0.16
(1,780)	1:73:A:LEU:H	1:73:A:LEU:HG	9	0.16
(1,776)	1:72:A:LYS:HA	1:76:A:GLU:H	20	0.16
(1,773)	1:72:A:LYS:HA	1:75:A:GLU:H	4	0.16
(1,769)	1:72:A:LYS:HA	1:72:A:LYS:HD2	16	0.16
(1,769)	1:72:A:LYS:HA	1:72:A:LYS:HD3	16	0.16
(1,764)	1:71:A:LEU:HD11	1:74:A:LYS:HE2	19	0.16
(1,764)	1:71:A:LEU:HD11	1:74:A:LYS:HE3	19	0.16
(1,764)	1:71:A:LEU:HD12	1:74:A:LYS:HE2	19	0.16
(1,764)	1:71:A:LEU:HD12	1:74:A:LYS:HE3	19	0.16
(1,764)	1:71:A:LEU:HD13	1:74:A:LYS:HE2	19	0.16
(1,764)	1:71:A:LEU:HD13	1:74:A:LYS:HE3	19	0.16
(1,764)	1:71:A:LEU:HD21	1:74:A:LYS:HE2	19	0.16
(1,764)	1:71:A:LEU:HD21	1:74:A:LYS:HE3	19	0.16
(1,764)	1:71:A:LEU:HD22	1:74:A:LYS:HE2	19	0.16
(1,764)	1:71:A:LEU:HD22	1:74:A:LYS:HE3	19	0.16
(1,764)	1:71:A:LEU:HD23	1:74:A:LYS:HE2	19	0.16
(1,764)	1:71:A:LEU:HD23	1:74:A:LYS:HE3	19	0.16
(1,710)	1:69:A:GLU:H	1:72:A:LYS:HG2	9	0.16
(1,710)	1:69:A:GLU:H	1:72:A:LYS:HG3	9	0.16
(1,699)	1:68:A:SER:H	1:71:A:LEU:HD11	16	0.16
(1,699)	1:68:A:SER:H	1:71:A:LEU:HD12	16	0.16
(1,699)	1:68:A:SER:H	1:71:A:LEU:HD13	16	0.16
(1,699)	1:68:A:SER:H	1:71:A:LEU:HD21	16	0.16
(1,699)	1:68:A:SER:H	1:71:A:LEU:HD22	16	0.16
(1,699)	1:68:A:SER:H	1:71:A:LEU:HD23	16	0.16
(1,673)	1:66:A:ILE:HA	1:69:A:GLU:HB2	16	0.16
(1,673)	1:66:A:ILE:HA	1:69:A:GLU:HB3	16	0.16
(1,665)	1:65:A:GLN:HG2	1:23:B:ILE:HD11	11	0.16
(1,665)	1:65:A:GLN:HG2	1:23:B:ILE:HD12	11	0.16
(1,665)	1:65:A:GLN:HG2	1:23:B:ILE:HD13	11	0.16
(1,665)	1:65:A:GLN:HG3	1:23:B:ILE:HD11	11	0.16
(1,665)	1:65:A:GLN:HG3	1:23:B:ILE:HD12	11	0.16
(1,665)	1:65:A:GLN:HG3	1:23:B:ILE:HD13	11	0.16
(1,662)	1:65:A:GLN:HB2	1:23:B:ILE:HG21	2	0.16
(1,662)	1:65:A:GLN:HB2	1:23:B:ILE:HG22	2	0.16
(1,662)	1:65:A:GLN:HB2	1:23:B:ILE:HG23	2	0.16
(1,662)	1:65:A:GLN:HB3	1:23:B:ILE:HG21	2	0.16
(1,662)	1:65:A:GLN:HB3	1:23:B:ILE:HG22	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,662)	1:65:A:GLN:HB3	1:23:B:ILE:HG23	2	0.16
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG21	15	0.16
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG22	15	0.16
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG23	15	0.16
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD11	20	0.16
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD12	20	0.16
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD13	20	0.16
(1,565)	1:60:A:VAL:HG11	1:16:B:ILE:HD11	7	0.16
(1,565)	1:60:A:VAL:HG11	1:16:B:ILE:HD12	7	0.16
(1,565)	1:60:A:VAL:HG11	1:16:B:ILE:HD13	7	0.16
(1,565)	1:60:A:VAL:HG12	1:16:B:ILE:HD11	7	0.16
(1,565)	1:60:A:VAL:HG12	1:16:B:ILE:HD12	7	0.16
(1,565)	1:60:A:VAL:HG12	1:16:B:ILE:HD13	7	0.16
(1,565)	1:60:A:VAL:HG13	1:16:B:ILE:HD11	7	0.16
(1,565)	1:60:A:VAL:HG13	1:16:B:ILE:HD12	7	0.16
(1,565)	1:60:A:VAL:HG13	1:16:B:ILE:HD13	7	0.16
(1,565)	1:60:A:VAL:HG21	1:16:B:ILE:HD11	7	0.16
(1,565)	1:60:A:VAL:HG21	1:16:B:ILE:HD12	7	0.16
(1,565)	1:60:A:VAL:HG21	1:16:B:ILE:HD13	7	0.16
(1,565)	1:60:A:VAL:HG22	1:16:B:ILE:HD11	7	0.16
(1,565)	1:60:A:VAL:HG22	1:16:B:ILE:HD12	7	0.16
(1,565)	1:60:A:VAL:HG22	1:16:B:ILE:HD13	7	0.16
(1,565)	1:60:A:VAL:HG23	1:16:B:ILE:HD11	7	0.16
(1,565)	1:60:A:VAL:HG23	1:16:B:ILE:HD12	7	0.16
(1,565)	1:60:A:VAL:HG23	1:16:B:ILE:HD13	7	0.16
(1,560)	1:60:A:VAL:HB	1:63:A:ALA:HB1	15	0.16
(1,560)	1:60:A:VAL:HB	1:63:A:ALA:HB2	15	0.16
(1,560)	1:60:A:VAL:HB	1:63:A:ALA:HB3	15	0.16
(1,551)	1:60:A:VAL:H	1:60:A:VAL:HB	3	0.16
(1,551)	1:60:A:VAL:H	1:60:A:VAL:HB	6	0.16
(1,551)	1:60:A:VAL:H	1:60:A:VAL:HB	9	0.16
(1,551)	1:60:A:VAL:H	1:60:A:VAL:HB	12	0.16
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD11	6	0.16
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD12	6	0.16
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD13	6	0.16
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD21	6	0.16
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD22	6	0.16
(1,479)	1:52:A:MET:H	1:53:A:LEU:HD23	6	0.16
(1,442)	1:47:A:SER:HB2	1:58:A:LEU:HD11	15	0.16
(1,442)	1:47:A:SER:HB2	1:58:A:LEU:HD12	15	0.16
(1,442)	1:47:A:SER:HB2	1:58:A:LEU:HD13	15	0.16
(1,442)	1:47:A:SER:HB2	1:58:A:LEU:HD21	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,442)	1:47:A:SER:HB2	1:58:A:LEU:HD22	15	0.16
(1,442)	1:47:A:SER:HB2	1:58:A:LEU:HD23	15	0.16
(1,442)	1:47:A:SER:HB3	1:58:A:LEU:HD11	15	0.16
(1,442)	1:47:A:SER:HB3	1:58:A:LEU:HD12	15	0.16
(1,442)	1:47:A:SER:HB3	1:58:A:LEU:HD13	15	0.16
(1,442)	1:47:A:SER:HB3	1:58:A:LEU:HD21	15	0.16
(1,442)	1:47:A:SER:HB3	1:58:A:LEU:HD22	15	0.16
(1,442)	1:47:A:SER:HB3	1:58:A:LEU:HD23	15	0.16
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG21	15	0.16
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG22	15	0.16
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG23	15	0.16
(1,351)	1:39:A:VAL:HG11	1:64:B:VAL:HA	1	0.16
(1,351)	1:39:A:VAL:HG12	1:64:B:VAL:HA	1	0.16
(1,351)	1:39:A:VAL:HG13	1:64:B:VAL:HA	1	0.16
(1,351)	1:39:A:VAL:HG11	1:64:B:VAL:HA	20	0.16
(1,351)	1:39:A:VAL:HG12	1:64:B:VAL:HA	20	0.16
(1,351)	1:39:A:VAL:HG13	1:64:B:VAL:HA	20	0.16
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD11	4	0.16
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD12	4	0.16
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD13	4	0.16
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD21	4	0.16
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD22	4	0.16
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD23	4	0.16
(1,228)	1:29:A:PRO:HA	1:32:A:ILE:H	10	0.16
(1,226)	1:28:A:SER:H	1:31:A:HIS:H	3	0.16
(1,220)	1:27:A:GLU:H	1:27:A:GLU:HG2	6	0.16
(1,220)	1:27:A:GLU:H	1:27:A:GLU:HG3	6	0.16
(1,207)	1:23:A:ILE:HG21	1:65:B:GLN:HA	4	0.16
(1,207)	1:23:A:ILE:HG22	1:65:B:GLN:HA	4	0.16
(1,207)	1:23:A:ILE:HG23	1:65:B:GLN:HA	4	0.16
(1,164)	1:20:A:ASP:H	1:21:A:TYR:HE1	6	0.16
(1,164)	1:20:A:ASP:H	1:21:A:TYR:HE2	6	0.16
(1,164)	1:20:A:ASP:H	1:21:A:TYR:HE1	12	0.16
(1,164)	1:20:A:ASP:H	1:21:A:TYR:HE2	12	0.16
(1,162)	1:19:A:GLN:HG2	1:21:A:TYR:HE1	6	0.16
(1,162)	1:19:A:GLN:HG2	1:21:A:TYR:HE2	6	0.16
(1,162)	1:19:A:GLN:HG3	1:21:A:TYR:HE1	6	0.16
(1,162)	1:19:A:GLN:HG3	1:21:A:TYR:HE2	6	0.16
(1,160)	1:19:A:GLN:HB2	1:60:B:VAL:HG11	11	0.16
(1,160)	1:19:A:GLN:HB2	1:60:B:VAL:HG12	11	0.16
(1,160)	1:19:A:GLN:HB2	1:60:B:VAL:HG13	11	0.16
(1,160)	1:19:A:GLN:HB2	1:60:B:VAL:HG21	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,160)	1:19:A:GLN:HB2	1:60:B:VAL:HG22	11	0.16
(1,160)	1:19:A:GLN:HB2	1:60:B:VAL:HG23	11	0.16
(1,160)	1:19:A:GLN:HB3	1:60:B:VAL:HG11	11	0.16
(1,160)	1:19:A:GLN:HB3	1:60:B:VAL:HG12	11	0.16
(1,160)	1:19:A:GLN:HB3	1:60:B:VAL:HG13	11	0.16
(1,160)	1:19:A:GLN:HB3	1:60:B:VAL:HG21	11	0.16
(1,160)	1:19:A:GLN:HB3	1:60:B:VAL:HG22	11	0.16
(1,160)	1:19:A:GLN:HB3	1:60:B:VAL:HG23	11	0.16
(1,160)	1:19:A:GLN:HB2	1:60:B:VAL:HG11	15	0.16
(1,160)	1:19:A:GLN:HB2	1:60:B:VAL:HG12	15	0.16
(1,160)	1:19:A:GLN:HB2	1:60:B:VAL:HG13	15	0.16
(1,160)	1:19:A:GLN:HB2	1:60:B:VAL:HG21	15	0.16
(1,160)	1:19:A:GLN:HB2	1:60:B:VAL:HG22	15	0.16
(1,160)	1:19:A:GLN:HB2	1:60:B:VAL:HG23	15	0.16
(1,160)	1:19:A:GLN:HB3	1:60:B:VAL:HG11	15	0.16
(1,160)	1:19:A:GLN:HB3	1:60:B:VAL:HG12	15	0.16
(1,160)	1:19:A:GLN:HB3	1:60:B:VAL:HG13	15	0.16
(1,160)	1:19:A:GLN:HB3	1:60:B:VAL:HG21	15	0.16
(1,160)	1:19:A:GLN:HB3	1:60:B:VAL:HG22	15	0.16
(1,160)	1:19:A:GLN:HB3	1:60:B:VAL:HG23	15	0.16
(1,158)	1:19:A:GLN:HG3	1:52:B:MET:HG3	9	0.16
(1,151)	1:19:A:GLN:H	1:20:A:ASP:H	13	0.16
(1,151)	1:19:A:GLN:H	1:20:A:ASP:H	16	0.16
(1,94)	1:15:A:ARG:HA	1:21:A:TYR:H	19	0.16
(1,79)	1:14:A:VAL:H	1:23:A:ILE:H	17	0.16
(1,78)	1:14:A:VAL:H	1:22:A:THR:HG21	16	0.16
(1,78)	1:14:A:VAL:H	1:22:A:THR:HG22	16	0.16
(1,78)	1:14:A:VAL:H	1:22:A:THR:HG23	16	0.16
(1,64)	1:12:A:VAL:HG11	1:33:A:ARG:HA	14	0.16
(1,64)	1:12:A:VAL:HG12	1:33:A:ARG:HA	14	0.16
(1,64)	1:12:A:VAL:HG13	1:33:A:ARG:HA	14	0.16
(1,64)	1:12:A:VAL:HG21	1:33:A:ARG:HA	14	0.16
(1,64)	1:12:A:VAL:HG22	1:33:A:ARG:HA	14	0.16
(1,64)	1:12:A:VAL:HG23	1:33:A:ARG:HA	14	0.16
(1,61)	1:12:A:VAL:HG11	1:29:A:PRO:HA	3	0.16
(1,61)	1:12:A:VAL:HG12	1:29:A:PRO:HA	3	0.16
(1,61)	1:12:A:VAL:HG13	1:29:A:PRO:HA	3	0.16
(1,61)	1:12:A:VAL:HG21	1:29:A:PRO:HA	3	0.16
(1,61)	1:12:A:VAL:HG22	1:29:A:PRO:HA	3	0.16
(1,61)	1:12:A:VAL:HG23	1:29:A:PRO:HA	3	0.16
(1,57)	1:12:A:VAL:HB	1:25:A:GLY:H	8	0.16
(1,35)	1:11:A:ARG:H	1:24:A:VAL:HA	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,30)	1:10:A:THR:HG21	1:12:A:VAL:HB	7	0.16
(1,30)	1:10:A:THR:HG22	1:12:A:VAL:HB	7	0.16
(1,30)	1:10:A:THR:HG23	1:12:A:VAL:HB	7	0.16
(1,29)	1:10:A:THR:HG21	1:12:A:VAL:HA	7	0.16
(1,29)	1:10:A:THR:HG22	1:12:A:VAL:HA	7	0.16
(1,29)	1:10:A:THR:HG23	1:12:A:VAL:HA	7	0.16
(1,1762)	1:83:B:GLN:HG2	1:84:B:LEU:HD11	10	0.15
(1,1762)	1:83:B:GLN:HG2	1:84:B:LEU:HD12	10	0.15
(1,1762)	1:83:B:GLN:HG2	1:84:B:LEU:HD13	10	0.15
(1,1762)	1:83:B:GLN:HG2	1:84:B:LEU:HD21	10	0.15
(1,1762)	1:83:B:GLN:HG2	1:84:B:LEU:HD22	10	0.15
(1,1762)	1:83:B:GLN:HG2	1:84:B:LEU:HD23	10	0.15
(1,1762)	1:83:B:GLN:HG3	1:84:B:LEU:HD11	10	0.15
(1,1762)	1:83:B:GLN:HG3	1:84:B:LEU:HD12	10	0.15
(1,1762)	1:83:B:GLN:HG3	1:84:B:LEU:HD13	10	0.15
(1,1762)	1:83:B:GLN:HG3	1:84:B:LEU:HD21	10	0.15
(1,1762)	1:83:B:GLN:HG3	1:84:B:LEU:HD22	10	0.15
(1,1762)	1:83:B:GLN:HG3	1:84:B:LEU:HD23	10	0.15
(1,1755)	1:83:B:GLN:H	1:83:B:GLN:HG2	19	0.15
(1,1755)	1:83:B:GLN:H	1:83:B:GLN:HG3	19	0.15
(1,1688)	1:78:B:GLN:HA	1:80:B:LEU:H	3	0.15
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD11	14	0.15
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD12	14	0.15
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD13	14	0.15
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD21	14	0.15
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD22	14	0.15
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD23	14	0.15
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD11	14	0.15
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD12	14	0.15
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD13	14	0.15
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD21	14	0.15
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD22	14	0.15
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD23	14	0.15
(1,1673)	1:77:B:TYR:HA	1:80:B:LEU:H	12	0.15
(1,1672)	1:77:B:TYR:HA	1:79:B:ARG:H	2	0.15
(1,1655)	1:76:B:GLU:H	1:76:B:GLU:HG2	1	0.15
(1,1655)	1:76:B:GLU:H	1:76:B:GLU:HG3	1	0.15
(1,1655)	1:76:B:GLU:H	1:76:B:GLU:HG2	3	0.15
(1,1655)	1:76:B:GLU:H	1:76:B:GLU:HG3	3	0.15
(1,1655)	1:76:B:GLU:H	1:76:B:GLU:HG2	5	0.15
(1,1655)	1:76:B:GLU:H	1:76:B:GLU:HG3	5	0.15
(1,1627)	1:74:B:LYS:HA	1:75:B:GLU:HA	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1627)	1:74:B:LYS:HA	1:75:B:GLU:HA	18	0.15
(1,1627)	1:74:B:LYS:HA	1:75:B:GLU:HA	20	0.15
(1,1619)	1:73:B:LEU:HD11	1:77:B:TYR:H	16	0.15
(1,1619)	1:73:B:LEU:HD12	1:77:B:TYR:H	16	0.15
(1,1619)	1:73:B:LEU:HD13	1:77:B:TYR:H	16	0.15
(1,1619)	1:73:B:LEU:HD21	1:77:B:TYR:H	16	0.15
(1,1619)	1:73:B:LEU:HD22	1:77:B:TYR:H	16	0.15
(1,1619)	1:73:B:LEU:HD23	1:77:B:TYR:H	16	0.15
(1,1613)	1:73:B:LEU:HD11	1:74:B:LYS:H	17	0.15
(1,1613)	1:73:B:LEU:HD12	1:74:B:LYS:H	17	0.15
(1,1613)	1:73:B:LEU:HD13	1:74:B:LYS:H	17	0.15
(1,1613)	1:73:B:LEU:HD21	1:74:B:LYS:H	17	0.15
(1,1613)	1:73:B:LEU:HD22	1:74:B:LYS:H	17	0.15
(1,1613)	1:73:B:LEU:HD23	1:74:B:LYS:H	17	0.15
(1,1599)	1:73:B:LEU:H	1:73:B:LEU:HG	4	0.15
(1,1595)	1:72:B:LYS:HA	1:75:B:GLU:HG2	15	0.15
(1,1595)	1:72:B:LYS:HA	1:75:B:GLU:HG3	15	0.15
(1,1592)	1:72:B:LYS:HA	1:74:B:LYS:H	10	0.15
(1,1585)	1:71:B:LEU:HD11	1:74:B:LYS:HE2	15	0.15
(1,1585)	1:71:B:LEU:HD11	1:74:B:LYS:HE3	15	0.15
(1,1585)	1:71:B:LEU:HD12	1:74:B:LYS:HE2	15	0.15
(1,1585)	1:71:B:LEU:HD12	1:74:B:LYS:HE3	15	0.15
(1,1585)	1:71:B:LEU:HD13	1:74:B:LYS:HE2	15	0.15
(1,1585)	1:71:B:LEU:HD13	1:74:B:LYS:HE3	15	0.15
(1,1585)	1:71:B:LEU:HD21	1:74:B:LYS:HE2	15	0.15
(1,1585)	1:71:B:LEU:HD21	1:74:B:LYS:HE3	15	0.15
(1,1585)	1:71:B:LEU:HD22	1:74:B:LYS:HE2	15	0.15
(1,1585)	1:71:B:LEU:HD22	1:74:B:LYS:HE3	15	0.15
(1,1585)	1:71:B:LEU:HD23	1:74:B:LYS:HE2	15	0.15
(1,1585)	1:71:B:LEU:HD23	1:74:B:LYS:HE3	15	0.15
(1,1585)	1:71:B:LEU:HD11	1:74:B:LYS:HE2	19	0.15
(1,1585)	1:71:B:LEU:HD11	1:74:B:LYS:HE3	19	0.15
(1,1585)	1:71:B:LEU:HD12	1:74:B:LYS:HE2	19	0.15
(1,1585)	1:71:B:LEU:HD12	1:74:B:LYS:HE3	19	0.15
(1,1585)	1:71:B:LEU:HD13	1:74:B:LYS:HE2	19	0.15
(1,1585)	1:71:B:LEU:HD13	1:74:B:LYS:HE3	19	0.15
(1,1585)	1:71:B:LEU:HD21	1:74:B:LYS:HE2	19	0.15
(1,1585)	1:71:B:LEU:HD21	1:74:B:LYS:HE3	19	0.15
(1,1585)	1:71:B:LEU:HD22	1:74:B:LYS:HE2	19	0.15
(1,1585)	1:71:B:LEU:HD22	1:74:B:LYS:HE3	19	0.15
(1,1585)	1:71:B:LEU:HD23	1:74:B:LYS:HE2	19	0.15
(1,1585)	1:71:B:LEU:HD23	1:74:B:LYS:HE3	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD11	20	0.15
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD12	20	0.15
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD13	20	0.15
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD21	20	0.15
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD22	20	0.15
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD23	20	0.15
(1,1563)	1:70:B:TYR:HA	1:73:B:LEU:HG	13	0.15
(1,1497)	1:63:B:ALA:H	1:64:B:VAL:HG11	9	0.15
(1,1497)	1:63:B:ALA:H	1:64:B:VAL:HG12	9	0.15
(1,1497)	1:63:B:ALA:H	1:64:B:VAL:HG13	9	0.15
(1,1497)	1:63:B:ALA:H	1:64:B:VAL:HG21	9	0.15
(1,1497)	1:63:B:ALA:H	1:64:B:VAL:HG22	9	0.15
(1,1497)	1:63:B:ALA:H	1:64:B:VAL:HG23	9	0.15
(1,1453)	1:60:B:VAL:H	1:60:B:VAL:HB	12	0.15
(1,1362)	1:47:B:SER:H	1:58:B:LEU:HG	5	0.15
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD11	12	0.15
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD12	12	0.15
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD13	12	0.15
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD21	12	0.15
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD22	12	0.15
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD23	12	0.15
(1,1288)	1:39:B:VAL:HG11	1:62:B:THR:HB	6	0.15
(1,1288)	1:39:B:VAL:HG12	1:62:B:THR:HB	6	0.15
(1,1288)	1:39:B:VAL:HG13	1:62:B:THR:HB	6	0.15
(1,1288)	1:39:B:VAL:HG21	1:62:B:THR:HB	6	0.15
(1,1288)	1:39:B:VAL:HG22	1:62:B:THR:HB	6	0.15
(1,1288)	1:39:B:VAL:HG23	1:62:B:THR:HB	6	0.15
(1,1278)	1:38:B:PHE:HD1	1:66:B:ILE:HG21	11	0.15
(1,1278)	1:38:B:PHE:HD1	1:66:B:ILE:HG22	11	0.15
(1,1278)	1:38:B:PHE:HD1	1:66:B:ILE:HG23	11	0.15
(1,1278)	1:38:B:PHE:HD2	1:66:B:ILE:HG21	11	0.15
(1,1278)	1:38:B:PHE:HD2	1:66:B:ILE:HG22	11	0.15
(1,1278)	1:38:B:PHE:HD2	1:66:B:ILE:HG23	11	0.15
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD11	10	0.15
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD12	10	0.15
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD13	10	0.15
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD21	10	0.15
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD22	10	0.15
(1,1237)	1:34:B:LEU:HA	1:34:B:LEU:HD23	10	0.15
(1,1183)	1:28:B:SER:H	1:31:B:HIS:H	5	0.15
(1,1181)	1:27:B:GLU:HA	1:28:B:SER:H	15	0.15
(1,1168)	1:23:B:ILE:HG21	1:24:B:VAL:H	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1168)	1:23:B:ILE:HG22	1:24:B:VAL:H	9	0.15
(1,1168)	1:23:B:ILE:HG23	1:24:B:VAL:H	9	0.15
(1,1160)	1:23:B:ILE:HA	1:23:B:ILE:HD11	7	0.15
(1,1160)	1:23:B:ILE:HA	1:23:B:ILE:HD12	7	0.15
(1,1160)	1:23:B:ILE:HA	1:23:B:ILE:HD13	7	0.15
(1,1155)	1:23:B:ILE:H	1:23:B:ILE:HB	7	0.15
(1,1155)	1:23:B:ILE:H	1:23:B:ILE:HB	8	0.15
(1,1155)	1:23:B:ILE:H	1:23:B:ILE:HB	10	0.15
(1,1155)	1:23:B:ILE:H	1:23:B:ILE:HB	18	0.15
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD11	19	0.15
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD12	19	0.15
(1,1148)	1:21:B:TYR:HD1	1:23:B:ILE:HD13	19	0.15
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD11	19	0.15
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD12	19	0.15
(1,1148)	1:21:B:TYR:HD2	1:23:B:ILE:HD13	19	0.15
(1,1128)	1:19:B:GLN:H	1:20:B:ASP:H	9	0.15
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD11	12	0.15
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD12	12	0.15
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD13	12	0.15
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD21	12	0.15
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD22	12	0.15
(1,1122)	1:17:B:TYR:HE1	1:58:B:LEU:HD23	12	0.15
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD11	12	0.15
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD12	12	0.15
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD13	12	0.15
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD21	12	0.15
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD22	12	0.15
(1,1122)	1:17:B:TYR:HE2	1:58:B:LEU:HD23	12	0.15
(1,1111)	1:16:B:ILE:HG21	1:21:B:TYR:HE1	12	0.15
(1,1111)	1:16:B:ILE:HG21	1:21:B:TYR:HE2	12	0.15
(1,1111)	1:16:B:ILE:HG22	1:21:B:TYR:HE1	12	0.15
(1,1111)	1:16:B:ILE:HG22	1:21:B:TYR:HE2	12	0.15
(1,1111)	1:16:B:ILE:HG23	1:21:B:TYR:HE1	12	0.15
(1,1111)	1:16:B:ILE:HG23	1:21:B:TYR:HE2	12	0.15
(1,1093)	1:16:B:ILE:H	1:20:B:ASP:HA	1	0.15
(1,1092)	1:16:B:ILE:H	1:19:B:GLN:H	9	0.15
(1,1092)	1:16:B:ILE:H	1:19:B:GLN:H	14	0.15
(1,1066)	1:14:B:VAL:HG11	1:33:B:ARG:H	14	0.15
(1,1066)	1:14:B:VAL:HG12	1:33:B:ARG:H	14	0.15
(1,1066)	1:14:B:VAL:HG13	1:33:B:ARG:H	14	0.15
(1,1066)	1:14:B:VAL:HG21	1:33:B:ARG:H	14	0.15
(1,1066)	1:14:B:VAL:HG22	1:33:B:ARG:H	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1066)	1:14:B:VAL:HG23	1:33:B:ARG:H	14	0.15
(1,1066)	1:14:B:VAL:HG11	1:33:B:ARG:H	20	0.15
(1,1066)	1:14:B:VAL:HG12	1:33:B:ARG:H	20	0.15
(1,1066)	1:14:B:VAL:HG13	1:33:B:ARG:H	20	0.15
(1,1066)	1:14:B:VAL:HG21	1:33:B:ARG:H	20	0.15
(1,1066)	1:14:B:VAL:HG22	1:33:B:ARG:H	20	0.15
(1,1066)	1:14:B:VAL:HG23	1:33:B:ARG:H	20	0.15
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB1	14	0.15
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB2	14	0.15
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB3	14	0.15
(1,1059)	1:14:B:VAL:H	1:22:B:THR:HG21	15	0.15
(1,1059)	1:14:B:VAL:H	1:22:B:THR:HG22	15	0.15
(1,1059)	1:14:B:VAL:H	1:22:B:THR:HG23	15	0.15
(1,1045)	1:12:B:VAL:HG11	1:33:B:ARG:HA	8	0.15
(1,1045)	1:12:B:VAL:HG12	1:33:B:ARG:HA	8	0.15
(1,1045)	1:12:B:VAL:HG13	1:33:B:ARG:HA	8	0.15
(1,1045)	1:12:B:VAL:HG21	1:33:B:ARG:HA	8	0.15
(1,1045)	1:12:B:VAL:HG22	1:33:B:ARG:HA	8	0.15
(1,1045)	1:12:B:VAL:HG23	1:33:B:ARG:HA	8	0.15
(1,1033)	1:12:B:VAL:H	1:24:B:VAL:HA	20	0.15
(1,1028)	1:11:B:ARG:HG2	1:12:B:VAL:H	18	0.15
(1,1028)	1:11:B:ARG:HG3	1:12:B:VAL:H	18	0.15
(1,1021)	1:11:B:ARG:HA	1:24:B:VAL:HA	17	0.15
(1,1016)	1:11:B:ARG:H	1:24:B:VAL:HA	8	0.15
(1,1010)	1:10:B:THR:HG21	1:12:B:VAL:HA	11	0.15
(1,1010)	1:10:B:THR:HG22	1:12:B:VAL:HA	11	0.15
(1,1010)	1:10:B:THR:HG23	1:12:B:VAL:HA	11	0.15
(1,1010)	1:10:B:THR:HG21	1:12:B:VAL:HA	15	0.15
(1,1010)	1:10:B:THR:HG22	1:12:B:VAL:HA	15	0.15
(1,1010)	1:10:B:THR:HG23	1:12:B:VAL:HA	15	0.15
(1,1005)	1:10:B:THR:H	1:26:B:ALA:HB1	18	0.15
(1,1005)	1:10:B:THR:H	1:26:B:ALA:HB2	18	0.15
(1,1005)	1:10:B:THR:H	1:26:B:ALA:HB3	18	0.15
(1,959)	1:83:A:GLN:H	1:83:A:GLN:HG2	13	0.15
(1,959)	1:83:A:GLN:H	1:83:A:GLN:HG3	13	0.15
(1,919)	1:80:A:LEU:HD11	1:81:A:ARG:HB2	13	0.15
(1,919)	1:80:A:LEU:HD11	1:81:A:ARG:HB3	13	0.15
(1,919)	1:80:A:LEU:HD12	1:81:A:ARG:HB2	13	0.15
(1,919)	1:80:A:LEU:HD12	1:81:A:ARG:HB3	13	0.15
(1,919)	1:80:A:LEU:HD13	1:81:A:ARG:HB2	13	0.15
(1,919)	1:80:A:LEU:HD13	1:81:A:ARG:HB3	13	0.15
(1,919)	1:80:A:LEU:HD21	1:81:A:ARG:HB2	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,919)	1:80:A:LEU:HD21	1:81:A:ARG:HB3	13	0.15
(1,919)	1:80:A:LEU:HD22	1:81:A:ARG:HB2	13	0.15
(1,919)	1:80:A:LEU:HD22	1:81:A:ARG:HB3	13	0.15
(1,919)	1:80:A:LEU:HD23	1:81:A:ARG:HB2	13	0.15
(1,919)	1:80:A:LEU:HD23	1:81:A:ARG:HB3	13	0.15
(1,918)	1:80:A:LEU:HD11	1:81:A:ARG:HA	2	0.15
(1,918)	1:80:A:LEU:HD12	1:81:A:ARG:HA	2	0.15
(1,918)	1:80:A:LEU:HD13	1:81:A:ARG:HA	2	0.15
(1,918)	1:80:A:LEU:HD21	1:81:A:ARG:HA	2	0.15
(1,918)	1:80:A:LEU:HD22	1:81:A:ARG:HA	2	0.15
(1,918)	1:80:A:LEU:HD23	1:81:A:ARG:HA	2	0.15
(1,897)	1:79:A:ARG:HA	1:82:A:GLU:H	6	0.15
(1,897)	1:79:A:ARG:HA	1:82:A:GLU:H	11	0.15
(1,829)	1:74:A:LYS:HE2	1:73:B:LEU:HG	17	0.15
(1,829)	1:74:A:LYS:HE3	1:73:B:LEU:HG	17	0.15
(1,825)	1:74:A:LYS:HB2	1:75:A:GLU:H	4	0.15
(1,825)	1:74:A:LYS:HB3	1:75:A:GLU:H	4	0.15
(1,825)	1:74:A:LYS:HB2	1:75:A:GLU:H	17	0.15
(1,825)	1:74:A:LYS:HB3	1:75:A:GLU:H	17	0.15
(1,812)	1:74:A:LYS:HA	1:75:A:GLU:HA	10	0.15
(1,801)	1:73:A:LEU:HD11	1:75:A:GLU:H	10	0.15
(1,801)	1:73:A:LEU:HD12	1:75:A:GLU:H	10	0.15
(1,801)	1:73:A:LEU:HD13	1:75:A:GLU:H	10	0.15
(1,801)	1:73:A:LEU:HD21	1:75:A:GLU:H	10	0.15
(1,801)	1:73:A:LEU:HD22	1:75:A:GLU:H	10	0.15
(1,801)	1:73:A:LEU:HD23	1:75:A:GLU:H	10	0.15
(1,773)	1:72:A:LYS:HA	1:75:A:GLU:H	9	0.15
(1,773)	1:72:A:LYS:HA	1:75:A:GLU:H	16	0.15
(1,710)	1:69:A:GLU:H	1:72:A:LYS:HG2	18	0.15
(1,710)	1:69:A:GLU:H	1:72:A:LYS:HG3	18	0.15
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB1	1	0.15
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB2	1	0.15
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB3	1	0.15
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB1	1	0.15
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB2	1	0.15
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB3	1	0.15
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB1	1	0.15
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB2	1	0.15
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB3	1	0.15
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB1	14	0.15
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB2	14	0.15
(1,676)	1:66:A:ILE:HG21	1:63:B:ALA:HB3	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB1	14	0.15
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB2	14	0.15
(1,676)	1:66:A:ILE:HG22	1:63:B:ALA:HB3	14	0.15
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB1	14	0.15
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB2	14	0.15
(1,676)	1:66:A:ILE:HG23	1:63:B:ALA:HB3	14	0.15
(1,632)	1:64:A:VAL:HB	1:36:B:ALA:HA	14	0.15
(1,599)	1:62:A:THR:H	1:63:B:ALA:HB1	1	0.15
(1,599)	1:62:A:THR:H	1:63:B:ALA:HB2	1	0.15
(1,599)	1:62:A:THR:H	1:63:B:ALA:HB3	1	0.15
(1,586)	1:61:A:LEU:HA	1:64:A:VAL:HB	1	0.15
(1,551)	1:60:A:VAL:H	1:60:A:VAL:HB	11	0.15
(1,432)	1:46:A:PHE:HD1	1:62:A:THR:H	16	0.15
(1,432)	1:46:A:PHE:HD2	1:62:A:THR:H	16	0.15
(1,432)	1:46:A:PHE:HD1	1:62:A:THR:H	19	0.15
(1,432)	1:46:A:PHE:HD2	1:62:A:THR:H	19	0.15
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD11	11	0.15
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD12	11	0.15
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD13	11	0.15
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD21	11	0.15
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD22	11	0.15
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD23	11	0.15
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG21	7	0.15
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG22	7	0.15
(1,379)	1:42:A:LYS:H	1:62:A:THR:HG23	7	0.15
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB1	3	0.15
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB2	3	0.15
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB3	3	0.15
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB1	3	0.15
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB2	3	0.15
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB3	3	0.15
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB1	3	0.15
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB2	3	0.15
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB3	3	0.15
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB1	3	0.15
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB2	3	0.15
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB3	3	0.15
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB1	3	0.15
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB2	3	0.15
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB3	3	0.15
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB1	3	0.15
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB2	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB3	3	0.15
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD11	5	0.15
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD12	5	0.15
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD13	5	0.15
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD21	5	0.15
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD22	5	0.15
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD23	5	0.15
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD11	8	0.15
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD12	8	0.15
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD13	8	0.15
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD21	8	0.15
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD22	8	0.15
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD23	8	0.15
(1,262)	1:32:A:ILE:HG12	1:33:A:ARG:HB2	10	0.15
(1,262)	1:32:A:ILE:HG12	1:33:A:ARG:HB3	10	0.15
(1,262)	1:32:A:ILE:HG13	1:33:A:ARG:HB2	10	0.15
(1,262)	1:32:A:ILE:HG13	1:33:A:ARG:HB3	10	0.15
(1,220)	1:27:A:GLU:H	1:27:A:GLU:HG2	5	0.15
(1,220)	1:27:A:GLU:H	1:27:A:GLU:HG3	5	0.15
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD11	8	0.15
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD12	8	0.15
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD13	8	0.15
(1,188)	1:23:A:ILE:H	1:23:A:ILE:HB	5	0.15
(1,188)	1:23:A:ILE:H	1:23:A:ILE:HB	9	0.15
(1,188)	1:23:A:ILE:H	1:23:A:ILE:HB	10	0.15
(1,188)	1:23:A:ILE:H	1:23:A:ILE:HB	14	0.15
(1,188)	1:23:A:ILE:H	1:23:A:ILE:HB	15	0.15
(1,164)	1:20:A:ASP:H	1:21:A:TYR:HE1	14	0.15
(1,164)	1:20:A:ASP:H	1:21:A:TYR:HE2	14	0.15
(1,164)	1:20:A:ASP:H	1:21:A:TYR:HE1	17	0.15
(1,164)	1:20:A:ASP:H	1:21:A:TYR:HE2	17	0.15
(1,151)	1:19:A:GLN:H	1:20:A:ASP:H	7	0.15
(1,151)	1:19:A:GLN:H	1:20:A:ASP:H	9	0.15
(1,150)	1:19:A:GLN:H	1:19:A:GLN:HG2	19	0.15
(1,150)	1:19:A:GLN:H	1:19:A:GLN:HG3	19	0.15
(1,133)	1:16:A:ILE:HG21	1:60:B:VAL:HB	10	0.15
(1,133)	1:16:A:ILE:HG22	1:60:B:VAL:HB	10	0.15
(1,133)	1:16:A:ILE:HG23	1:60:B:VAL:HB	10	0.15
(1,112)	1:16:A:ILE:H	1:20:A:ASP:HA	4	0.15
(1,102)	1:15:A:ARG:HD2	1:19:A:GLN:H	19	0.15
(1,102)	1:15:A:ARG:HD3	1:19:A:GLN:H	19	0.15
(1,85)	1:14:A:VAL:HG11	1:33:A:ARG:H	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,85)	1:14:A:VAL:HG12	1:33:A:ARG:H	17	0.15
(1,85)	1:14:A:VAL:HG13	1:33:A:ARG:H	17	0.15
(1,85)	1:14:A:VAL:HG21	1:33:A:ARG:H	17	0.15
(1,85)	1:14:A:VAL:HG22	1:33:A:ARG:H	17	0.15
(1,85)	1:14:A:VAL:HG23	1:33:A:ARG:H	17	0.15
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB1	6	0.15
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB2	6	0.15
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB3	6	0.15
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB1	7	0.15
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB2	7	0.15
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB3	7	0.15
(1,65)	1:12:A:VAL:HG11	1:33:A:ARG:HD2	8	0.15
(1,65)	1:12:A:VAL:HG11	1:33:A:ARG:HD3	8	0.15
(1,65)	1:12:A:VAL:HG12	1:33:A:ARG:HD2	8	0.15
(1,65)	1:12:A:VAL:HG12	1:33:A:ARG:HD3	8	0.15
(1,65)	1:12:A:VAL:HG13	1:33:A:ARG:HD2	8	0.15
(1,65)	1:12:A:VAL:HG13	1:33:A:ARG:HD3	8	0.15
(1,65)	1:12:A:VAL:HG21	1:33:A:ARG:HD2	8	0.15
(1,65)	1:12:A:VAL:HG21	1:33:A:ARG:HD3	8	0.15
(1,65)	1:12:A:VAL:HG22	1:33:A:ARG:HD2	8	0.15
(1,65)	1:12:A:VAL:HG22	1:33:A:ARG:HD3	8	0.15
(1,65)	1:12:A:VAL:HG23	1:33:A:ARG:HD2	8	0.15
(1,65)	1:12:A:VAL:HG23	1:33:A:ARG:HD3	8	0.15
(1,24)	1:10:A:THR:H	1:26:A:ALA:HB1	6	0.15
(1,24)	1:10:A:THR:H	1:26:A:ALA:HB2	6	0.15
(1,24)	1:10:A:THR:H	1:26:A:ALA:HB3	6	0.15
(1,23)	1:10:A:THR:H	1:26:A:ALA:HA	17	0.15
(1,1770)	1:84:B:LEU:HD11	1:85:B:LYS:HA	10	0.14
(1,1770)	1:84:B:LEU:HD12	1:85:B:LYS:HA	10	0.14
(1,1770)	1:84:B:LEU:HD13	1:85:B:LYS:HA	10	0.14
(1,1770)	1:84:B:LEU:HD21	1:85:B:LYS:HA	10	0.14
(1,1770)	1:84:B:LEU:HD22	1:85:B:LYS:HA	10	0.14
(1,1770)	1:84:B:LEU:HD23	1:85:B:LYS:HA	10	0.14
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD11	11	0.14
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD12	11	0.14
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD13	11	0.14
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD21	11	0.14
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD22	11	0.14
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD23	11	0.14
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD11	11	0.14
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD12	11	0.14
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD13	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD21	11	0.14
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD22	11	0.14
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD23	11	0.14
(1,1655)	1:76:B:GLU:H	1:76:B:GLU:HG2	9	0.14
(1,1655)	1:76:B:GLU:H	1:76:B:GLU:HG3	9	0.14
(1,1655)	1:76:B:GLU:H	1:76:B:GLU:HG2	20	0.14
(1,1655)	1:76:B:GLU:H	1:76:B:GLU:HG3	20	0.14
(1,1651)	1:75:B:GLU:HA	1:78:B:GLN:H	4	0.14
(1,1640)	1:74:B:LYS:HB2	1:75:B:GLU:HB2	1	0.14
(1,1640)	1:74:B:LYS:HB2	1:75:B:GLU:HB3	1	0.14
(1,1640)	1:74:B:LYS:HB3	1:75:B:GLU:HB2	1	0.14
(1,1640)	1:74:B:LYS:HB3	1:75:B:GLU:HB3	1	0.14
(1,1627)	1:74:B:LYS:HA	1:75:B:GLU:HA	4	0.14
(1,1627)	1:74:B:LYS:HA	1:75:B:GLU:HA	10	0.14
(1,1619)	1:73:B:LEU:HD11	1:77:B:TYR:H	11	0.14
(1,1619)	1:73:B:LEU:HD12	1:77:B:TYR:H	11	0.14
(1,1619)	1:73:B:LEU:HD13	1:77:B:TYR:H	11	0.14
(1,1619)	1:73:B:LEU:HD21	1:77:B:TYR:H	11	0.14
(1,1619)	1:73:B:LEU:HD22	1:77:B:TYR:H	11	0.14
(1,1619)	1:73:B:LEU:HD23	1:77:B:TYR:H	11	0.14
(1,1607)	1:73:B:LEU:HA	1:76:B:GLU:HB2	4	0.14
(1,1607)	1:73:B:LEU:HA	1:76:B:GLU:HB3	4	0.14
(1,1595)	1:72:B:LYS:HA	1:75:B:GLU:HG2	9	0.14
(1,1595)	1:72:B:LYS:HA	1:75:B:GLU:HG3	9	0.14
(1,1592)	1:72:B:LYS:HA	1:74:B:LYS:H	4	0.14
(1,1579)	1:71:B:LEU:HA	1:75:B:GLU:HB2	1	0.14
(1,1579)	1:71:B:LEU:HA	1:75:B:GLU:HB3	1	0.14
(1,1579)	1:71:B:LEU:HA	1:75:B:GLU:HB2	7	0.14
(1,1579)	1:71:B:LEU:HA	1:75:B:GLU:HB3	7	0.14
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD11	8	0.14
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD12	8	0.14
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD13	8	0.14
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD21	8	0.14
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD22	8	0.14
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD23	8	0.14
(1,1475)	1:61:B:LEU:HA	1:65:B:GLN:H	18	0.14
(1,1437)	1:57:B:LYS:HB2	1:58:B:LEU:H	17	0.14
(1,1437)	1:57:B:LYS:HB3	1:58:B:LEU:H	17	0.14
(1,1362)	1:47:B:SER:H	1:58:B:LEU:HG	11	0.14
(1,1321)	1:43:B:MET:HA	1:62:B:THR:HB	4	0.14
(1,1315)	1:42:B:LYS:HG2	1:45:B:GLU:HG2	3	0.14
(1,1315)	1:42:B:LYS:HG2	1:45:B:GLU:HG3	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1315)	1:42:B:LYS:HG3	1:45:B:GLU:HG2	3	0.14
(1,1315)	1:42:B:LYS:HG3	1:45:B:GLU:HG3	3	0.14
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG11	6	0.14
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG12	6	0.14
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG13	6	0.14
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG21	6	0.14
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG22	6	0.14
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG23	6	0.14
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG11	6	0.14
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG12	6	0.14
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG13	6	0.14
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG21	6	0.14
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG22	6	0.14
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG23	6	0.14
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG11	6	0.14
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG12	6	0.14
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG13	6	0.14
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG21	6	0.14
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG22	6	0.14
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG23	6	0.14
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG11	17	0.14
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG12	17	0.14
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG13	17	0.14
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG21	17	0.14
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG22	17	0.14
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG23	17	0.14
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG11	17	0.14
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG12	17	0.14
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG13	17	0.14
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG21	17	0.14
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG22	17	0.14
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG23	17	0.14
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG11	17	0.14
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG12	17	0.14
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG13	17	0.14
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG21	17	0.14
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG22	17	0.14
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG23	17	0.14
(1,1201)	1:31:B:HIS:HA	1:34:B:LEU:HB2	2	0.14
(1,1201)	1:31:B:HIS:HA	1:34:B:LEU:HB3	2	0.14
(1,1194)	1:30:B:ALA:HA	1:33:B:ARG:HG2	7	0.14
(1,1194)	1:30:B:ALA:HA	1:33:B:ARG:HG3	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1183)	1:28:B:SER:H	1:31:B:HIS:H	3	0.14
(1,1183)	1:28:B:SER:H	1:31:B:HIS:H	4	0.14
(1,1160)	1:23:B:ILE:HA	1:23:B:ILE:HD11	8	0.14
(1,1160)	1:23:B:ILE:HA	1:23:B:ILE:HD12	8	0.14
(1,1160)	1:23:B:ILE:HA	1:23:B:ILE:HD13	8	0.14
(1,1160)	1:23:B:ILE:HA	1:23:B:ILE:HD11	10	0.14
(1,1160)	1:23:B:ILE:HA	1:23:B:ILE:HD12	10	0.14
(1,1160)	1:23:B:ILE:HA	1:23:B:ILE:HD13	10	0.14
(1,1160)	1:23:B:ILE:HA	1:23:B:ILE:HD11	11	0.14
(1,1160)	1:23:B:ILE:HA	1:23:B:ILE:HD12	11	0.14
(1,1160)	1:23:B:ILE:HA	1:23:B:ILE:HD13	11	0.14
(1,1160)	1:23:B:ILE:HA	1:23:B:ILE:HD11	12	0.14
(1,1160)	1:23:B:ILE:HA	1:23:B:ILE:HD12	12	0.14
(1,1160)	1:23:B:ILE:HA	1:23:B:ILE:HD13	12	0.14
(1,1160)	1:23:B:ILE:HA	1:23:B:ILE:HD11	20	0.14
(1,1160)	1:23:B:ILE:HA	1:23:B:ILE:HD12	20	0.14
(1,1160)	1:23:B:ILE:HA	1:23:B:ILE:HD13	20	0.14
(1,1155)	1:23:B:ILE:H	1:23:B:ILE:HB	11	0.14
(1,1128)	1:19:B:GLN:H	1:20:B:ASP:H	2	0.14
(1,1128)	1:19:B:GLN:H	1:20:B:ASP:H	4	0.14
(1,1128)	1:19:B:GLN:H	1:20:B:ASP:H	11	0.14
(1,1072)	1:15:B:ARG:H	1:16:B:ILE:H	7	0.14
(1,1072)	1:15:B:ARG:H	1:16:B:ILE:H	11	0.14
(1,1059)	1:14:B:VAL:H	1:22:B:THR:HG21	12	0.14
(1,1059)	1:14:B:VAL:H	1:22:B:THR:HG22	12	0.14
(1,1059)	1:14:B:VAL:H	1:22:B:THR:HG23	12	0.14
(1,1025)	1:11:B:ARG:HB2	1:24:B:VAL:HG11	7	0.14
(1,1025)	1:11:B:ARG:HB2	1:24:B:VAL:HG12	7	0.14
(1,1025)	1:11:B:ARG:HB2	1:24:B:VAL:HG13	7	0.14
(1,1025)	1:11:B:ARG:HB2	1:24:B:VAL:HG21	7	0.14
(1,1025)	1:11:B:ARG:HB2	1:24:B:VAL:HG22	7	0.14
(1,1025)	1:11:B:ARG:HB2	1:24:B:VAL:HG23	7	0.14
(1,1025)	1:11:B:ARG:HB3	1:24:B:VAL:HG11	7	0.14
(1,1025)	1:11:B:ARG:HB3	1:24:B:VAL:HG12	7	0.14
(1,1025)	1:11:B:ARG:HB3	1:24:B:VAL:HG13	7	0.14
(1,1025)	1:11:B:ARG:HB3	1:24:B:VAL:HG21	7	0.14
(1,1025)	1:11:B:ARG:HB3	1:24:B:VAL:HG22	7	0.14
(1,1025)	1:11:B:ARG:HB3	1:24:B:VAL:HG23	7	0.14
(1,1021)	1:11:B:ARG:HA	1:24:B:VAL:HA	19	0.14
(1,949)	1:82:A:GLU:HA	1:85:A:LYS:H	12	0.14
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE1	11	0.14
(1,936)	1:81:A:ARG:HG2	1:77:B:TYR:HE2	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,913)	1:80:A:LEU:HD11	1:81:A:ARG:HA	7	0.14
(1,913)	1:80:A:LEU:HD12	1:81:A:ARG:HA	7	0.14
(1,913)	1:80:A:LEU:HD13	1:81:A:ARG:HA	7	0.14
(1,912)	1:80:A:LEU:HD11	1:81:A:ARG:H	20	0.14
(1,912)	1:80:A:LEU:HD12	1:81:A:ARG:H	20	0.14
(1,912)	1:80:A:LEU:HD13	1:81:A:ARG:H	20	0.14
(1,897)	1:79:A:ARG:HA	1:82:A:GLU:H	20	0.14
(1,812)	1:74:A:LYS:HA	1:75:A:GLU:HA	13	0.14
(1,803)	1:73:A:LEU:HD11	1:76:A:GLU:HG2	11	0.14
(1,803)	1:73:A:LEU:HD11	1:76:A:GLU:HG3	11	0.14
(1,803)	1:73:A:LEU:HD12	1:76:A:GLU:HG2	11	0.14
(1,803)	1:73:A:LEU:HD12	1:76:A:GLU:HG3	11	0.14
(1,803)	1:73:A:LEU:HD13	1:76:A:GLU:HG2	11	0.14
(1,803)	1:73:A:LEU:HD13	1:76:A:GLU:HG3	11	0.14
(1,803)	1:73:A:LEU:HD21	1:76:A:GLU:HG2	11	0.14
(1,803)	1:73:A:LEU:HD21	1:76:A:GLU:HG3	11	0.14
(1,803)	1:73:A:LEU:HD22	1:76:A:GLU:HG2	11	0.14
(1,803)	1:73:A:LEU:HD22	1:76:A:GLU:HG3	11	0.14
(1,803)	1:73:A:LEU:HD23	1:76:A:GLU:HG2	11	0.14
(1,803)	1:73:A:LEU:HD23	1:76:A:GLU:HG3	11	0.14
(1,798)	1:73:A:LEU:HD11	1:74:A:LYS:H	4	0.14
(1,798)	1:73:A:LEU:HD12	1:74:A:LYS:H	4	0.14
(1,798)	1:73:A:LEU:HD13	1:74:A:LYS:H	4	0.14
(1,798)	1:73:A:LEU:HD21	1:74:A:LYS:H	4	0.14
(1,798)	1:73:A:LEU:HD22	1:74:A:LYS:H	4	0.14
(1,798)	1:73:A:LEU:HD23	1:74:A:LYS:H	4	0.14
(1,795)	1:73:A:LEU:HD21	1:74:A:LYS:HA	20	0.14
(1,795)	1:73:A:LEU:HD22	1:74:A:LYS:HA	20	0.14
(1,795)	1:73:A:LEU:HD23	1:74:A:LYS:HA	20	0.14
(1,794)	1:73:A:LEU:HD21	1:74:A:LYS:H	7	0.14
(1,794)	1:73:A:LEU:HD22	1:74:A:LYS:H	7	0.14
(1,794)	1:73:A:LEU:HD23	1:74:A:LYS:H	7	0.14
(1,792)	1:73:A:LEU:HD11	1:74:A:LYS:H	14	0.14
(1,792)	1:73:A:LEU:HD12	1:74:A:LYS:H	14	0.14
(1,792)	1:73:A:LEU:HD13	1:74:A:LYS:H	14	0.14
(1,792)	1:73:A:LEU:HD11	1:74:A:LYS:H	20	0.14
(1,792)	1:73:A:LEU:HD12	1:74:A:LYS:H	20	0.14
(1,792)	1:73:A:LEU:HD13	1:74:A:LYS:H	20	0.14
(1,765)	1:72:A:LYS:H	1:27:B:GLU:HB2	2	0.14
(1,765)	1:72:A:LYS:H	1:27:B:GLU:HB3	2	0.14
(1,760)	1:71:A:LEU:HD11	1:70:B:TYR:HD1	18	0.14
(1,760)	1:71:A:LEU:HD11	1:70:B:TYR:HD2	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,760)	1:71:A:LEU:HD12	1:70:B:TYR:HD1	18	0.14
(1,760)	1:71:A:LEU:HD12	1:70:B:TYR:HD2	18	0.14
(1,760)	1:71:A:LEU:HD13	1:70:B:TYR:HD1	18	0.14
(1,760)	1:71:A:LEU:HD13	1:70:B:TYR:HD2	18	0.14
(1,760)	1:71:A:LEU:HD21	1:70:B:TYR:HD1	18	0.14
(1,760)	1:71:A:LEU:HD21	1:70:B:TYR:HD2	18	0.14
(1,760)	1:71:A:LEU:HD22	1:70:B:TYR:HD1	18	0.14
(1,760)	1:71:A:LEU:HD22	1:70:B:TYR:HD2	18	0.14
(1,760)	1:71:A:LEU:HD23	1:70:B:TYR:HD1	18	0.14
(1,760)	1:71:A:LEU:HD23	1:70:B:TYR:HD2	18	0.14
(1,750)	1:71:A:LEU:HA	1:75:A:GLU:HB2	8	0.14
(1,750)	1:71:A:LEU:HA	1:75:A:GLU:HB3	8	0.14
(1,744)	1:71:A:LEU:HA	1:74:A:LYS:H	13	0.14
(1,737)	1:71:A:LEU:H	1:70:B:TYR:HE1	7	0.14
(1,737)	1:71:A:LEU:H	1:70:B:TYR:HE2	7	0.14
(1,632)	1:64:A:VAL:HB	1:36:B:ALA:HA	4	0.14
(1,613)	1:63:A:ALA:H	1:64:A:VAL:HG11	11	0.14
(1,613)	1:63:A:ALA:H	1:64:A:VAL:HG12	11	0.14
(1,613)	1:63:A:ALA:H	1:64:A:VAL:HG13	11	0.14
(1,613)	1:63:A:ALA:H	1:64:A:VAL:HG21	11	0.14
(1,613)	1:63:A:ALA:H	1:64:A:VAL:HG22	11	0.14
(1,613)	1:63:A:ALA:H	1:64:A:VAL:HG23	11	0.14
(1,588)	1:61:A:LEU:HA	1:65:A:GLN:H	1	0.14
(1,559)	1:60:A:VAL:HB	1:16:B:ILE:HG21	10	0.14
(1,559)	1:60:A:VAL:HB	1:16:B:ILE:HG22	10	0.14
(1,559)	1:60:A:VAL:HB	1:16:B:ILE:HG23	10	0.14
(1,551)	1:60:A:VAL:H	1:60:A:VAL:HB	2	0.14
(1,507)	1:56:A:PRO:HG3	1:57:A:LYS:H	2	0.14
(1,406)	1:44:A:HIS:HA	1:58:A:LEU:HD11	16	0.14
(1,406)	1:44:A:HIS:HA	1:58:A:LEU:HD12	16	0.14
(1,406)	1:44:A:HIS:HA	1:58:A:LEU:HD13	16	0.14
(1,406)	1:44:A:HIS:HA	1:58:A:LEU:HD21	16	0.14
(1,406)	1:44:A:HIS:HA	1:58:A:LEU:HD22	16	0.14
(1,406)	1:44:A:HIS:HA	1:58:A:LEU:HD23	16	0.14
(1,363)	1:39:A:VAL:HG11	1:62:A:THR:HB	10	0.14
(1,363)	1:39:A:VAL:HG12	1:62:A:THR:HB	10	0.14
(1,363)	1:39:A:VAL:HG13	1:62:A:THR:HB	10	0.14
(1,363)	1:39:A:VAL:HG21	1:62:A:THR:HB	10	0.14
(1,363)	1:39:A:VAL:HG22	1:62:A:THR:HB	10	0.14
(1,363)	1:39:A:VAL:HG23	1:62:A:THR:HB	10	0.14
(1,314)	1:36:A:ALA:HA	1:64:B:VAL:HB	17	0.14
(1,220)	1:27:A:GLU:H	1:27:A:GLU:HG2	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,220)	1:27:A:GLU:H	1:27:A:GLU:HG3	10	0.14
(1,220)	1:27:A:GLU:H	1:27:A:GLU:HG2	19	0.14
(1,220)	1:27:A:GLU:H	1:27:A:GLU:HG3	19	0.14
(1,208)	1:23:A:ILE:HG21	1:65:B:GLN:HB2	10	0.14
(1,208)	1:23:A:ILE:HG21	1:65:B:GLN:HB3	10	0.14
(1,208)	1:23:A:ILE:HG22	1:65:B:GLN:HB2	10	0.14
(1,208)	1:23:A:ILE:HG22	1:65:B:GLN:HB3	10	0.14
(1,208)	1:23:A:ILE:HG23	1:65:B:GLN:HB2	10	0.14
(1,208)	1:23:A:ILE:HG23	1:65:B:GLN:HB3	10	0.14
(1,205)	1:23:A:ILE:HG21	1:24:A:VAL:H	7	0.14
(1,205)	1:23:A:ILE:HG22	1:24:A:VAL:H	7	0.14
(1,205)	1:23:A:ILE:HG23	1:24:A:VAL:H	7	0.14
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD11	2	0.14
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD12	2	0.14
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD13	2	0.14
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD11	11	0.14
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD12	11	0.14
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD13	11	0.14
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD11	14	0.14
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD12	14	0.14
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD13	14	0.14
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD11	15	0.14
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD12	15	0.14
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD13	15	0.14
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD11	20	0.14
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD12	20	0.14
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD13	20	0.14
(1,188)	1:23:A:ILE:H	1:23:A:ILE:HB	2	0.14
(1,188)	1:23:A:ILE:H	1:23:A:ILE:HB	11	0.14
(1,188)	1:23:A:ILE:H	1:23:A:ILE:HB	20	0.14
(1,164)	1:20:A:ASP:H	1:21:A:TYR:HE1	19	0.14
(1,164)	1:20:A:ASP:H	1:21:A:TYR:HE2	19	0.14
(1,151)	1:19:A:GLN:H	1:20:A:ASP:H	11	0.14
(1,151)	1:19:A:GLN:H	1:20:A:ASP:H	14	0.14
(1,151)	1:19:A:GLN:H	1:20:A:ASP:H	19	0.14
(1,94)	1:15:A:ARG:HA	1:21:A:TYR:H	18	0.14
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB1	10	0.14
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB2	10	0.14
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB3	10	0.14
(1,52)	1:12:A:VAL:H	1:24:A:VAL:HA	18	0.14
(1,44)	1:11:A:ARG:HB2	1:24:A:VAL:HG11	19	0.14
(1,44)	1:11:A:ARG:HB2	1:24:A:VAL:HG12	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,44)	1:11:A:ARG:HB2	1:24:A:VAL:HG13	19	0.14
(1,44)	1:11:A:ARG:HB2	1:24:A:VAL:HG21	19	0.14
(1,44)	1:11:A:ARG:HB2	1:24:A:VAL:HG22	19	0.14
(1,44)	1:11:A:ARG:HB2	1:24:A:VAL:HG23	19	0.14
(1,44)	1:11:A:ARG:HB3	1:24:A:VAL:HG11	19	0.14
(1,44)	1:11:A:ARG:HB3	1:24:A:VAL:HG12	19	0.14
(1,44)	1:11:A:ARG:HB3	1:24:A:VAL:HG13	19	0.14
(1,44)	1:11:A:ARG:HB3	1:24:A:VAL:HG21	19	0.14
(1,44)	1:11:A:ARG:HB3	1:24:A:VAL:HG22	19	0.14
(1,44)	1:11:A:ARG:HB3	1:24:A:VAL:HG23	19	0.14
(1,42)	1:11:A:ARG:HA	1:25:A:GLY:H	8	0.14
(1,40)	1:11:A:ARG:HA	1:24:A:VAL:HA	3	0.14
(1,24)	1:10:A:THR:H	1:26:A:ALA:HB1	17	0.14
(1,24)	1:10:A:THR:H	1:26:A:ALA:HB2	17	0.14
(1,24)	1:10:A:THR:H	1:26:A:ALA:HB3	17	0.14
(1,1755)	1:83:B:GLN:H	1:83:B:GLN:HG2	10	0.13
(1,1755)	1:83:B:GLN:H	1:83:B:GLN:HG3	10	0.13
(1,1755)	1:83:B:GLN:H	1:83:B:GLN:HG2	16	0.13
(1,1755)	1:83:B:GLN:H	1:83:B:GLN:HG3	16	0.13
(1,1722)	1:80:B:LEU:HD11	1:82:B:GLU:H	13	0.13
(1,1722)	1:80:B:LEU:HD12	1:82:B:GLU:H	13	0.13
(1,1722)	1:80:B:LEU:HD13	1:82:B:GLU:H	13	0.13
(1,1722)	1:80:B:LEU:HD21	1:82:B:GLU:H	13	0.13
(1,1722)	1:80:B:LEU:HD22	1:82:B:GLU:H	13	0.13
(1,1722)	1:80:B:LEU:HD23	1:82:B:GLU:H	13	0.13
(1,1711)	1:80:B:LEU:HA	1:83:B:GLN:H	14	0.13
(1,1694)	1:79:B:ARG:H	1:79:B:ARG:HD2	17	0.13
(1,1694)	1:79:B:ARG:H	1:79:B:ARG:HD3	17	0.13
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD11	5	0.13
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD12	5	0.13
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD13	5	0.13
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD21	5	0.13
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD22	5	0.13
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD23	5	0.13
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD11	5	0.13
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD12	5	0.13
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD13	5	0.13
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD21	5	0.13
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD22	5	0.13
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD23	5	0.13
(1,1674)	1:77:B:TYR:HA	1:80:B:LEU:HB2	4	0.13
(1,1674)	1:77:B:TYR:HA	1:80:B:LEU:HB3	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1673)	1:77:B:TYR:HA	1:80:B:LEU:H	11	0.13
(1,1653)	1:75:B:GLU:HG2	1:76:B:GLU:H	20	0.13
(1,1653)	1:75:B:GLU:HG3	1:76:B:GLU:H	20	0.13
(1,1639)	1:74:B:LYS:HB2	1:75:B:GLU:H	18	0.13
(1,1639)	1:74:B:LYS:HB3	1:75:B:GLU:H	18	0.13
(1,1617)	1:73:B:LEU:HD11	1:76:B:GLU:HB2	6	0.13
(1,1617)	1:73:B:LEU:HD11	1:76:B:GLU:HB3	6	0.13
(1,1617)	1:73:B:LEU:HD12	1:76:B:GLU:HB2	6	0.13
(1,1617)	1:73:B:LEU:HD12	1:76:B:GLU:HB3	6	0.13
(1,1617)	1:73:B:LEU:HD13	1:76:B:GLU:HB2	6	0.13
(1,1617)	1:73:B:LEU:HD13	1:76:B:GLU:HB3	6	0.13
(1,1617)	1:73:B:LEU:HD21	1:76:B:GLU:HB2	6	0.13
(1,1617)	1:73:B:LEU:HD21	1:76:B:GLU:HB3	6	0.13
(1,1617)	1:73:B:LEU:HD22	1:76:B:GLU:HB2	6	0.13
(1,1617)	1:73:B:LEU:HD22	1:76:B:GLU:HB3	6	0.13
(1,1617)	1:73:B:LEU:HD23	1:76:B:GLU:HB2	6	0.13
(1,1617)	1:73:B:LEU:HD23	1:76:B:GLU:HB3	6	0.13
(1,1613)	1:73:B:LEU:HD11	1:74:B:LYS:H	11	0.13
(1,1613)	1:73:B:LEU:HD12	1:74:B:LYS:H	11	0.13
(1,1613)	1:73:B:LEU:HD13	1:74:B:LYS:H	11	0.13
(1,1613)	1:73:B:LEU:HD21	1:74:B:LYS:H	11	0.13
(1,1613)	1:73:B:LEU:HD22	1:74:B:LYS:H	11	0.13
(1,1613)	1:73:B:LEU:HD23	1:74:B:LYS:H	11	0.13
(1,1611)	1:73:B:LEU:HD21	1:74:B:LYS:H	14	0.13
(1,1611)	1:73:B:LEU:HD22	1:74:B:LYS:H	14	0.13
(1,1611)	1:73:B:LEU:HD23	1:74:B:LYS:H	14	0.13
(1,1607)	1:73:B:LEU:HA	1:76:B:GLU:HB2	14	0.13
(1,1607)	1:73:B:LEU:HA	1:76:B:GLU:HB3	14	0.13
(1,1599)	1:73:B:LEU:H	1:73:B:LEU:HG	9	0.13
(1,1596)	1:72:B:LYS:HA	1:76:B:GLU:H	17	0.13
(1,1566)	1:70:B:TYR:HD1	1:73:B:LEU:HD11	9	0.13
(1,1566)	1:70:B:TYR:HD1	1:73:B:LEU:HD12	9	0.13
(1,1566)	1:70:B:TYR:HD1	1:73:B:LEU:HD13	9	0.13
(1,1566)	1:70:B:TYR:HD1	1:73:B:LEU:HD21	9	0.13
(1,1566)	1:70:B:TYR:HD1	1:73:B:LEU:HD22	9	0.13
(1,1566)	1:70:B:TYR:HD1	1:73:B:LEU:HD23	9	0.13
(1,1566)	1:70:B:TYR:HD2	1:73:B:LEU:HD11	9	0.13
(1,1566)	1:70:B:TYR:HD2	1:73:B:LEU:HD12	9	0.13
(1,1566)	1:70:B:TYR:HD2	1:73:B:LEU:HD13	9	0.13
(1,1566)	1:70:B:TYR:HD2	1:73:B:LEU:HD21	9	0.13
(1,1566)	1:70:B:TYR:HD2	1:73:B:LEU:HD22	9	0.13
(1,1566)	1:70:B:TYR:HD2	1:73:B:LEU:HD23	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1563)	1:70:B:TYR:HA	1:73:B:LEU:HG	19	0.13
(1,1520)	1:66:B:ILE:H	1:66:B:ILE:HG21	16	0.13
(1,1520)	1:66:B:ILE:H	1:66:B:ILE:HG22	16	0.13
(1,1520)	1:66:B:ILE:H	1:66:B:ILE:HG23	16	0.13
(1,1497)	1:63:B:ALA:H	1:64:B:VAL:HG11	13	0.13
(1,1497)	1:63:B:ALA:H	1:64:B:VAL:HG12	13	0.13
(1,1497)	1:63:B:ALA:H	1:64:B:VAL:HG13	13	0.13
(1,1497)	1:63:B:ALA:H	1:64:B:VAL:HG21	13	0.13
(1,1497)	1:63:B:ALA:H	1:64:B:VAL:HG22	13	0.13
(1,1497)	1:63:B:ALA:H	1:64:B:VAL:HG23	13	0.13
(1,1475)	1:61:B:LEU:HA	1:65:B:GLN:H	15	0.13
(1,1472)	1:61:B:LEU:HA	1:64:B:VAL:H	13	0.13
(1,1453)	1:60:B:VAL:H	1:60:B:VAL:HB	8	0.13
(1,1358)	1:46:B:PHE:HD1	1:62:B:THR:HB	8	0.13
(1,1358)	1:46:B:PHE:HD2	1:62:B:THR:HB	8	0.13
(1,1353)	1:46:B:PHE:HB2	1:58:B:LEU:HG	13	0.13
(1,1353)	1:46:B:PHE:HB3	1:58:B:LEU:HG	13	0.13
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD11	9	0.13
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD12	9	0.13
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD13	9	0.13
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD21	9	0.13
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD22	9	0.13
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD23	9	0.13
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD11	5	0.13
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD12	5	0.13
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD13	5	0.13
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD21	5	0.13
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD22	5	0.13
(1,1318)	1:43:B:MET:H	1:58:B:LEU:HD23	5	0.13
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG11	1	0.13
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG12	1	0.13
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG13	1	0.13
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG21	1	0.13
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG22	1	0.13
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG23	1	0.13
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG11	1	0.13
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG12	1	0.13
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG13	1	0.13
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG21	1	0.13
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG22	1	0.13
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG23	1	0.13
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG11	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG12	1	0.13
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG13	1	0.13
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG21	1	0.13
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG22	1	0.13
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG23	1	0.13
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG11	19	0.13
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG12	19	0.13
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG13	19	0.13
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG21	19	0.13
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG22	19	0.13
(1,1262)	1:36:B:ALA:HB1	1:39:B:VAL:HG23	19	0.13
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG11	19	0.13
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG12	19	0.13
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG13	19	0.13
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG21	19	0.13
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG22	19	0.13
(1,1262)	1:36:B:ALA:HB2	1:39:B:VAL:HG23	19	0.13
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG11	19	0.13
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG12	19	0.13
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG13	19	0.13
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG21	19	0.13
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG22	19	0.13
(1,1262)	1:36:B:ALA:HB3	1:39:B:VAL:HG23	19	0.13
(1,1181)	1:27:B:GLU:HA	1:28:B:SER:H	3	0.13
(1,1160)	1:23:B:ILE:HA	1:23:B:ILE:HD11	18	0.13
(1,1160)	1:23:B:ILE:HA	1:23:B:ILE:HD12	18	0.13
(1,1160)	1:23:B:ILE:HA	1:23:B:ILE:HD13	18	0.13
(1,1128)	1:19:B:GLN:H	1:20:B:ASP:H	14	0.13
(1,1128)	1:19:B:GLN:H	1:20:B:ASP:H	17	0.13
(1,1093)	1:16:B:ILE:H	1:20:B:ASP:HA	9	0.13
(1,1075)	1:15:B:ARG:HA	1:21:B:TYR:H	2	0.13
(1,1075)	1:15:B:ARG:HA	1:21:B:TYR:H	10	0.13
(1,1075)	1:15:B:ARG:HA	1:21:B:TYR:H	18	0.13
(1,1072)	1:15:B:ARG:H	1:16:B:ILE:H	15	0.13
(1,1070)	1:15:B:ARG:H	1:15:B:ARG:HD2	10	0.13
(1,1070)	1:15:B:ARG:H	1:15:B:ARG:HD3	10	0.13
(1,1033)	1:12:B:VAL:H	1:24:B:VAL:HA	3	0.13
(1,1023)	1:11:B:ARG:HA	1:25:B:GLY:H	5	0.13
(1,1023)	1:11:B:ARG:HA	1:25:B:GLY:H	12	0.13
(1,1021)	1:11:B:ARG:HA	1:24:B:VAL:HA	11	0.13
(1,1018)	1:11:B:ARG:H	1:25:B:GLY:H	3	0.13
(1,1011)	1:10:B:THR:HG21	1:12:B:VAL:HB	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1011)	1:10:B:THR:HG22	1:12:B:VAL:HB	12	0.13
(1,1011)	1:10:B:THR:HG23	1:12:B:VAL:HB	12	0.13
(1,959)	1:83:A:GLN:H	1:83:A:GLN:HG2	2	0.13
(1,959)	1:83:A:GLN:H	1:83:A:GLN:HG3	2	0.13
(1,959)	1:83:A:GLN:H	1:83:A:GLN:HG2	4	0.13
(1,959)	1:83:A:GLN:H	1:83:A:GLN:HG3	4	0.13
(1,959)	1:83:A:GLN:H	1:83:A:GLN:HG2	12	0.13
(1,959)	1:83:A:GLN:H	1:83:A:GLN:HG3	12	0.13
(1,908)	1:80:A:LEU:HA	1:83:A:GLN:H	2	0.13
(1,897)	1:79:A:ARG:HA	1:82:A:GLU:H	8	0.13
(1,877)	1:77:A:TYR:HE1	1:80:A:LEU:HD11	20	0.13
(1,877)	1:77:A:TYR:HE1	1:80:A:LEU:HD12	20	0.13
(1,877)	1:77:A:TYR:HE1	1:80:A:LEU:HD13	20	0.13
(1,877)	1:77:A:TYR:HE1	1:80:A:LEU:HD21	20	0.13
(1,877)	1:77:A:TYR:HE1	1:80:A:LEU:HD22	20	0.13
(1,877)	1:77:A:TYR:HE1	1:80:A:LEU:HD23	20	0.13
(1,877)	1:77:A:TYR:HE2	1:80:A:LEU:HD11	20	0.13
(1,877)	1:77:A:TYR:HE2	1:80:A:LEU:HD12	20	0.13
(1,877)	1:77:A:TYR:HE2	1:80:A:LEU:HD13	20	0.13
(1,877)	1:77:A:TYR:HE2	1:80:A:LEU:HD21	20	0.13
(1,877)	1:77:A:TYR:HE2	1:80:A:LEU:HD22	20	0.13
(1,877)	1:77:A:TYR:HE2	1:80:A:LEU:HD23	20	0.13
(1,865)	1:77:A:TYR:HA	1:80:A:LEU:H	3	0.13
(1,830)	1:74:A:LYS:HE2	1:73:B:LEU:HD11	18	0.13
(1,830)	1:74:A:LYS:HE2	1:73:B:LEU:HD12	18	0.13
(1,830)	1:74:A:LYS:HE2	1:73:B:LEU:HD13	18	0.13
(1,830)	1:74:A:LYS:HE2	1:73:B:LEU:HD21	18	0.13
(1,830)	1:74:A:LYS:HE2	1:73:B:LEU:HD22	18	0.13
(1,830)	1:74:A:LYS:HE2	1:73:B:LEU:HD23	18	0.13
(1,830)	1:74:A:LYS:HE3	1:73:B:LEU:HD11	18	0.13
(1,830)	1:74:A:LYS:HE3	1:73:B:LEU:HD12	18	0.13
(1,830)	1:74:A:LYS:HE3	1:73:B:LEU:HD13	18	0.13
(1,830)	1:74:A:LYS:HE3	1:73:B:LEU:HD21	18	0.13
(1,830)	1:74:A:LYS:HE3	1:73:B:LEU:HD22	18	0.13
(1,830)	1:74:A:LYS:HE3	1:73:B:LEU:HD23	18	0.13
(1,826)	1:74:A:LYS:HB2	1:75:A:GLU:HB2	2	0.13
(1,826)	1:74:A:LYS:HB2	1:75:A:GLU:HB3	2	0.13
(1,826)	1:74:A:LYS:HB3	1:75:A:GLU:HB2	2	0.13
(1,826)	1:74:A:LYS:HB3	1:75:A:GLU:HB3	2	0.13
(1,812)	1:74:A:LYS:HA	1:75:A:GLU:HA	8	0.13
(1,794)	1:73:A:LEU:HD21	1:74:A:LYS:H	13	0.13
(1,794)	1:73:A:LEU:HD22	1:74:A:LYS:H	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,794)	1:73:A:LEU:HD23	1:74:A:LYS:H	13	0.13
(1,737)	1:71:A:LEU:H	1:70:B:TYR:HE1	18	0.13
(1,737)	1:71:A:LEU:H	1:70:B:TYR:HE2	18	0.13
(1,732)	1:70:A:TYR:HD1	1:74:B:LYS:HG2	17	0.13
(1,732)	1:70:A:TYR:HD1	1:74:B:LYS:HG3	17	0.13
(1,732)	1:70:A:TYR:HD2	1:74:B:LYS:HG2	17	0.13
(1,732)	1:70:A:TYR:HD2	1:74:B:LYS:HG3	17	0.13
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD11	16	0.13
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD12	16	0.13
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD13	16	0.13
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD21	16	0.13
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD22	16	0.13
(1,725)	1:70:A:TYR:HA	1:73:A:LEU:HD23	16	0.13
(1,618)	1:63:A:ALA:HB1	1:62:B:THR:H	1	0.13
(1,618)	1:63:A:ALA:HB2	1:62:B:THR:H	1	0.13
(1,618)	1:63:A:ALA:HB3	1:62:B:THR:H	1	0.13
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG21	10	0.13
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG22	10	0.13
(1,615)	1:63:A:ALA:HA	1:66:B:ILE:HG23	10	0.13
(1,613)	1:63:A:ALA:H	1:64:A:VAL:HG11	19	0.13
(1,613)	1:63:A:ALA:H	1:64:A:VAL:HG12	19	0.13
(1,613)	1:63:A:ALA:H	1:64:A:VAL:HG13	19	0.13
(1,613)	1:63:A:ALA:H	1:64:A:VAL:HG21	19	0.13
(1,613)	1:63:A:ALA:H	1:64:A:VAL:HG22	19	0.13
(1,613)	1:63:A:ALA:H	1:64:A:VAL:HG23	19	0.13
(1,507)	1:56:A:PRO:HG3	1:57:A:LYS:H	8	0.13
(1,507)	1:56:A:PRO:HG3	1:57:A:LYS:H	20	0.13
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD11	2	0.13
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD12	2	0.13
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD13	2	0.13
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD21	2	0.13
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD22	2	0.13
(1,469)	1:50:A:GLN:H	1:53:A:LEU:HD23	2	0.13
(1,449)	1:48:A:GLU:HG2	1:49:A:LYS:H	4	0.13
(1,449)	1:48:A:GLU:HG3	1:49:A:LYS:H	4	0.13
(1,433)	1:46:A:PHE:HD1	1:62:A:THR:HB	5	0.13
(1,433)	1:46:A:PHE:HD2	1:62:A:THR:HB	5	0.13
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD11	10	0.13
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD12	10	0.13
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD13	10	0.13
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD21	10	0.13
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD22	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD23	10	0.13
(1,401)	1:43:A:MET:HB2	1:62:A:THR:HG21	9	0.13
(1,401)	1:43:A:MET:HB2	1:62:A:THR:HG22	9	0.13
(1,401)	1:43:A:MET:HB2	1:62:A:THR:HG23	9	0.13
(1,401)	1:43:A:MET:HB3	1:62:A:THR:HG21	9	0.13
(1,401)	1:43:A:MET:HB3	1:62:A:THR:HG22	9	0.13
(1,401)	1:43:A:MET:HB3	1:62:A:THR:HG23	9	0.13
(1,399)	1:43:A:MET:HB2	1:58:A:LEU:HG	5	0.13
(1,399)	1:43:A:MET:HB3	1:58:A:LEU:HG	5	0.13
(1,396)	1:43:A:MET:HA	1:62:A:THR:HB	19	0.13
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD11	5	0.13
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD12	5	0.13
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD13	5	0.13
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD21	5	0.13
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD22	5	0.13
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD23	5	0.13
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG11	3	0.13
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG12	3	0.13
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG13	3	0.13
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG21	3	0.13
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG22	3	0.13
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG23	3	0.13
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG11	3	0.13
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG12	3	0.13
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG13	3	0.13
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG21	3	0.13
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG22	3	0.13
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG23	3	0.13
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG11	3	0.13
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG12	3	0.13
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG13	3	0.13
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG21	3	0.13
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG22	3	0.13
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG23	3	0.13
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG11	18	0.13
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG12	18	0.13
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG13	18	0.13
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG21	18	0.13
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG22	18	0.13
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG23	18	0.13
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG11	18	0.13
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG12	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG13	18	0.13
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG21	18	0.13
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG22	18	0.13
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG23	18	0.13
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG11	18	0.13
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG12	18	0.13
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG13	18	0.13
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG21	18	0.13
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG22	18	0.13
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG23	18	0.13
(1,258)	1:32:A:ILE:HA	1:36:A:ALA:H	3	0.13
(1,223)	1:27:A:GLU:HA	1:28:A:SER:H	20	0.13
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD11	4	0.13
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD12	4	0.13
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD13	4	0.13
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD11	5	0.13
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD12	5	0.13
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD13	5	0.13
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD11	7	0.13
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD12	7	0.13
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD13	7	0.13
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD11	9	0.13
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD12	9	0.13
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD13	9	0.13
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD11	10	0.13
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD12	10	0.13
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD13	10	0.13
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD11	18	0.13
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD12	18	0.13
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD13	18	0.13
(1,172)	1:21:A:TYR:HB2	1:23:A:ILE:HD11	8	0.13
(1,172)	1:21:A:TYR:HB2	1:23:A:ILE:HD12	8	0.13
(1,172)	1:21:A:TYR:HB2	1:23:A:ILE:HD13	8	0.13
(1,172)	1:21:A:TYR:HB3	1:23:A:ILE:HD11	8	0.13
(1,172)	1:21:A:TYR:HB3	1:23:A:ILE:HD12	8	0.13
(1,172)	1:21:A:TYR:HB3	1:23:A:ILE:HD13	8	0.13
(1,151)	1:19:A:GLN:H	1:20:A:ASP:H	1	0.13
(1,151)	1:19:A:GLN:H	1:20:A:ASP:H	5	0.13
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD11	19	0.13
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD12	19	0.13
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD13	19	0.13
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD21	19	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD22	19	0.13
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD23	19	0.13
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD11	19	0.13
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD12	19	0.13
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD13	19	0.13
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD21	19	0.13
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD22	19	0.13
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD23	19	0.13
(1,91)	1:15:A:ARG:H	1:16:A:ILE:H	20	0.13
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB1	3	0.13
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB2	3	0.13
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB3	3	0.13
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB1	4	0.13
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB2	4	0.13
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB3	4	0.13
(1,78)	1:14:A:VAL:H	1:22:A:THR:HG21	13	0.13
(1,78)	1:14:A:VAL:H	1:22:A:THR:HG22	13	0.13
(1,78)	1:14:A:VAL:H	1:22:A:THR:HG23	13	0.13
(1,57)	1:12:A:VAL:HB	1:25:A:GLY:H	9	0.13
(1,1755)	1:83:B:GLN:H	1:83:B:GLN:HG2	15	0.12
(1,1755)	1:83:B:GLN:H	1:83:B:GLN:HG3	15	0.12
(1,1755)	1:83:B:GLN:H	1:83:B:GLN:HG2	18	0.12
(1,1755)	1:83:B:GLN:H	1:83:B:GLN:HG3	18	0.12
(1,1722)	1:80:B:LEU:HD11	1:82:B:GLU:H	4	0.12
(1,1722)	1:80:B:LEU:HD12	1:82:B:GLU:H	4	0.12
(1,1722)	1:80:B:LEU:HD13	1:82:B:GLU:H	4	0.12
(1,1722)	1:80:B:LEU:HD21	1:82:B:GLU:H	4	0.12
(1,1722)	1:80:B:LEU:HD22	1:82:B:GLU:H	4	0.12
(1,1722)	1:80:B:LEU:HD23	1:82:B:GLU:H	4	0.12
(1,1715)	1:80:B:LEU:HD11	1:81:B:ARG:H	12	0.12
(1,1715)	1:80:B:LEU:HD12	1:81:B:ARG:H	12	0.12
(1,1715)	1:80:B:LEU:HD13	1:81:B:ARG:H	12	0.12
(1,1688)	1:78:B:GLN:HA	1:80:B:LEU:H	7	0.12
(1,1662)	1:76:B:GLU:HA	1:78:B:GLN:H	11	0.12
(1,1643)	1:74:B:LYS:HG2	1:75:B:GLU:HB2	12	0.12
(1,1643)	1:74:B:LYS:HG2	1:75:B:GLU:HB3	12	0.12
(1,1643)	1:74:B:LYS:HG3	1:75:B:GLU:HB2	12	0.12
(1,1643)	1:74:B:LYS:HG3	1:75:B:GLU:HB3	12	0.12
(1,1640)	1:74:B:LYS:HB2	1:75:B:GLU:HB2	7	0.12
(1,1640)	1:74:B:LYS:HB2	1:75:B:GLU:HB3	7	0.12
(1,1640)	1:74:B:LYS:HB3	1:75:B:GLU:HB2	7	0.12
(1,1640)	1:74:B:LYS:HB3	1:75:B:GLU:HB3	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1640)	1:74:B:LYS:HB2	1:75:B:GLU:HB2	9	0.12
(1,1640)	1:74:B:LYS:HB2	1:75:B:GLU:HB3	9	0.12
(1,1640)	1:74:B:LYS:HB3	1:75:B:GLU:HB2	9	0.12
(1,1640)	1:74:B:LYS:HB3	1:75:B:GLU:HB3	9	0.12
(1,1640)	1:74:B:LYS:HB2	1:75:B:GLU:HB2	12	0.12
(1,1640)	1:74:B:LYS:HB2	1:75:B:GLU:HB3	12	0.12
(1,1640)	1:74:B:LYS:HB3	1:75:B:GLU:HB2	12	0.12
(1,1640)	1:74:B:LYS:HB3	1:75:B:GLU:HB3	12	0.12
(1,1640)	1:74:B:LYS:HB2	1:75:B:GLU:HB2	14	0.12
(1,1640)	1:74:B:LYS:HB2	1:75:B:GLU:HB3	14	0.12
(1,1640)	1:74:B:LYS:HB3	1:75:B:GLU:HB2	14	0.12
(1,1640)	1:74:B:LYS:HB3	1:75:B:GLU:HB3	14	0.12
(1,1627)	1:74:B:LYS:HA	1:75:B:GLU:HA	11	0.12
(1,1627)	1:74:B:LYS:HA	1:75:B:GLU:HA	13	0.12
(1,1599)	1:73:B:LEU:H	1:73:B:LEU:HG	12	0.12
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD11	18	0.12
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD12	18	0.12
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD13	18	0.12
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD21	18	0.12
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD22	18	0.12
(1,1564)	1:70:B:TYR:HA	1:73:B:LEU:HD23	18	0.12
(1,1520)	1:66:B:ILE:H	1:66:B:ILE:HG21	2	0.12
(1,1520)	1:66:B:ILE:H	1:66:B:ILE:HG22	2	0.12
(1,1520)	1:66:B:ILE:H	1:66:B:ILE:HG23	2	0.12
(1,1520)	1:66:B:ILE:H	1:66:B:ILE:HG21	4	0.12
(1,1520)	1:66:B:ILE:H	1:66:B:ILE:HG22	4	0.12
(1,1520)	1:66:B:ILE:H	1:66:B:ILE:HG23	4	0.12
(1,1520)	1:66:B:ILE:H	1:66:B:ILE:HG21	9	0.12
(1,1520)	1:66:B:ILE:H	1:66:B:ILE:HG22	9	0.12
(1,1520)	1:66:B:ILE:H	1:66:B:ILE:HG23	9	0.12
(1,1497)	1:63:B:ALA:H	1:64:B:VAL:HG11	8	0.12
(1,1497)	1:63:B:ALA:H	1:64:B:VAL:HG12	8	0.12
(1,1497)	1:63:B:ALA:H	1:64:B:VAL:HG13	8	0.12
(1,1497)	1:63:B:ALA:H	1:64:B:VAL:HG21	8	0.12
(1,1497)	1:63:B:ALA:H	1:64:B:VAL:HG22	8	0.12
(1,1497)	1:63:B:ALA:H	1:64:B:VAL:HG23	8	0.12
(1,1381)	1:49:B:LYS:HA	1:49:B:LYS:HD2	16	0.12
(1,1381)	1:49:B:LYS:HA	1:49:B:LYS:HD3	16	0.12
(1,1319)	1:43:B:MET:H	1:62:B:THR:HB	11	0.12
(1,1240)	1:34:B:LEU:HB2	1:34:B:LEU:HG	19	0.12
(1,1240)	1:34:B:LEU:HB3	1:34:B:LEU:HG	19	0.12
(1,1219)	1:32:B:ILE:HG12	1:33:B:ARG:HB2	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1219)	1:32:B:ILE:HG12	1:33:B:ARG:HB3	1	0.12
(1,1219)	1:32:B:ILE:HG13	1:33:B:ARG:HB2	1	0.12
(1,1219)	1:32:B:ILE:HG13	1:33:B:ARG:HB3	1	0.12
(1,1194)	1:30:B:ALA:HA	1:33:B:ARG:HG2	2	0.12
(1,1194)	1:30:B:ALA:HA	1:33:B:ARG:HG3	2	0.12
(1,1138)	1:20:B:ASP:H	1:21:B:TYR:HE1	14	0.12
(1,1138)	1:20:B:ASP:H	1:21:B:TYR:HE2	14	0.12
(1,1129)	1:19:B:GLN:H	1:21:B:TYR:HE1	20	0.12
(1,1129)	1:19:B:GLN:H	1:21:B:TYR:HE2	20	0.12
(1,1128)	1:19:B:GLN:H	1:20:B:ASP:H	5	0.12
(1,1093)	1:16:B:ILE:H	1:20:B:ASP:HA	18	0.12
(1,1092)	1:16:B:ILE:H	1:19:B:GLN:H	20	0.12
(1,1066)	1:14:B:VAL:HG11	1:33:B:ARG:H	4	0.12
(1,1066)	1:14:B:VAL:HG12	1:33:B:ARG:H	4	0.12
(1,1066)	1:14:B:VAL:HG13	1:33:B:ARG:H	4	0.12
(1,1066)	1:14:B:VAL:HG21	1:33:B:ARG:H	4	0.12
(1,1066)	1:14:B:VAL:HG22	1:33:B:ARG:H	4	0.12
(1,1066)	1:14:B:VAL:HG23	1:33:B:ARG:H	4	0.12
(1,1045)	1:12:B:VAL:HG11	1:33:B:ARG:HA	10	0.12
(1,1045)	1:12:B:VAL:HG12	1:33:B:ARG:HA	10	0.12
(1,1045)	1:12:B:VAL:HG13	1:33:B:ARG:HA	10	0.12
(1,1045)	1:12:B:VAL:HG21	1:33:B:ARG:HA	10	0.12
(1,1045)	1:12:B:VAL:HG22	1:33:B:ARG:HA	10	0.12
(1,1045)	1:12:B:VAL:HG23	1:33:B:ARG:HA	10	0.12
(1,1034)	1:12:B:VAL:H	1:25:B:GLY:H	18	0.12
(1,1034)	1:12:B:VAL:H	1:25:B:GLY:H	19	0.12
(1,1011)	1:10:B:THR:HG21	1:12:B:VAL:HB	10	0.12
(1,1011)	1:10:B:THR:HG22	1:12:B:VAL:HB	10	0.12
(1,1011)	1:10:B:THR:HG23	1:12:B:VAL:HB	10	0.12
(1,1011)	1:10:B:THR:HG21	1:12:B:VAL:HB	16	0.12
(1,1011)	1:10:B:THR:HG22	1:12:B:VAL:HB	16	0.12
(1,1011)	1:10:B:THR:HG23	1:12:B:VAL:HB	16	0.12
(1,1010)	1:10:B:THR:HG21	1:12:B:VAL:HA	4	0.12
(1,1010)	1:10:B:THR:HG22	1:12:B:VAL:HA	4	0.12
(1,1010)	1:10:B:THR:HG23	1:12:B:VAL:HA	4	0.12
(1,959)	1:83:A:GLN:H	1:83:A:GLN:HG2	10	0.12
(1,959)	1:83:A:GLN:H	1:83:A:GLN:HG3	10	0.12
(1,937)	1:81:A:ARG:HG2	1:80:B:LEU:HD11	11	0.12
(1,937)	1:81:A:ARG:HG2	1:80:B:LEU:HD12	11	0.12
(1,937)	1:81:A:ARG:HG2	1:80:B:LEU:HD13	11	0.12
(1,922)	1:80:A:LEU:HD11	1:82:A:GLU:H	14	0.12
(1,922)	1:80:A:LEU:HD12	1:82:A:GLU:H	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,922)	1:80:A:LEU:HD13	1:82:A:GLU:H	14	0.12
(1,922)	1:80:A:LEU:HD21	1:82:A:GLU:H	14	0.12
(1,922)	1:80:A:LEU:HD22	1:82:A:GLU:H	14	0.12
(1,922)	1:80:A:LEU:HD23	1:82:A:GLU:H	14	0.12
(1,919)	1:80:A:LEU:HD11	1:81:A:ARG:HB2	12	0.12
(1,919)	1:80:A:LEU:HD11	1:81:A:ARG:HB3	12	0.12
(1,919)	1:80:A:LEU:HD12	1:81:A:ARG:HB2	12	0.12
(1,919)	1:80:A:LEU:HD12	1:81:A:ARG:HB3	12	0.12
(1,919)	1:80:A:LEU:HD13	1:81:A:ARG:HB2	12	0.12
(1,919)	1:80:A:LEU:HD13	1:81:A:ARG:HB3	12	0.12
(1,919)	1:80:A:LEU:HD21	1:81:A:ARG:HB2	12	0.12
(1,919)	1:80:A:LEU:HD21	1:81:A:ARG:HB3	12	0.12
(1,919)	1:80:A:LEU:HD22	1:81:A:ARG:HB2	12	0.12
(1,919)	1:80:A:LEU:HD22	1:81:A:ARG:HB3	12	0.12
(1,919)	1:80:A:LEU:HD23	1:81:A:ARG:HB2	12	0.12
(1,919)	1:80:A:LEU:HD23	1:81:A:ARG:HB3	12	0.12
(1,912)	1:80:A:LEU:HD11	1:81:A:ARG:H	11	0.12
(1,912)	1:80:A:LEU:HD12	1:81:A:ARG:H	11	0.12
(1,912)	1:80:A:LEU:HD13	1:81:A:ARG:H	11	0.12
(1,897)	1:79:A:ARG:HA	1:82:A:GLU:H	2	0.12
(1,889)	1:79:A:ARG:H	1:79:A:ARG:HG2	18	0.12
(1,889)	1:79:A:ARG:H	1:79:A:ARG:HG3	18	0.12
(1,846)	1:76:A:GLU:H	1:76:A:GLU:HG2	6	0.12
(1,846)	1:76:A:GLU:H	1:76:A:GLU:HG3	6	0.12
(1,846)	1:76:A:GLU:H	1:76:A:GLU:HG2	12	0.12
(1,846)	1:76:A:GLU:H	1:76:A:GLU:HG3	12	0.12
(1,826)	1:74:A:LYS:HB2	1:75:A:GLU:HB2	10	0.12
(1,826)	1:74:A:LYS:HB2	1:75:A:GLU:HB3	10	0.12
(1,826)	1:74:A:LYS:HB3	1:75:A:GLU:HB2	10	0.12
(1,826)	1:74:A:LYS:HB3	1:75:A:GLU:HB3	10	0.12
(1,812)	1:74:A:LYS:HA	1:75:A:GLU:HA	17	0.12
(1,812)	1:74:A:LYS:HA	1:75:A:GLU:HA	18	0.12
(1,792)	1:73:A:LEU:HD11	1:74:A:LYS:H	17	0.12
(1,792)	1:73:A:LEU:HD12	1:74:A:LYS:H	17	0.12
(1,792)	1:73:A:LEU:HD13	1:74:A:LYS:H	17	0.12
(1,789)	1:73:A:LEU:HA	1:77:A:TYR:H	14	0.12
(1,789)	1:73:A:LEU:HA	1:77:A:TYR:H	17	0.12
(1,764)	1:71:A:LEU:HD11	1:74:A:LYS:HE2	5	0.12
(1,764)	1:71:A:LEU:HD11	1:74:A:LYS:HE3	5	0.12
(1,764)	1:71:A:LEU:HD12	1:74:A:LYS:HE2	5	0.12
(1,764)	1:71:A:LEU:HD12	1:74:A:LYS:HE3	5	0.12
(1,764)	1:71:A:LEU:HD13	1:74:A:LYS:HE2	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,764)	1:71:A:LEU:HD13	1:74:A:LYS:HE3	5	0.12
(1,764)	1:71:A:LEU:HD21	1:74:A:LYS:HE2	5	0.12
(1,764)	1:71:A:LEU:HD21	1:74:A:LYS:HE3	5	0.12
(1,764)	1:71:A:LEU:HD22	1:74:A:LYS:HE2	5	0.12
(1,764)	1:71:A:LEU:HD22	1:74:A:LYS:HE3	5	0.12
(1,764)	1:71:A:LEU:HD23	1:74:A:LYS:HE2	5	0.12
(1,764)	1:71:A:LEU:HD23	1:74:A:LYS:HE3	5	0.12
(1,734)	1:70:A:TYR:HE1	1:71:B:LEU:H	17	0.12
(1,734)	1:70:A:TYR:HE2	1:71:B:LEU:H	17	0.12
(1,710)	1:69:A:GLU:H	1:72:A:LYS:HG2	17	0.12
(1,710)	1:69:A:GLU:H	1:72:A:LYS:HG3	17	0.12
(1,675)	1:66:A:ILE:HG21	1:63:B:ALA:HA	19	0.12
(1,675)	1:66:A:ILE:HG22	1:63:B:ALA:HA	19	0.12
(1,675)	1:66:A:ILE:HG23	1:63:B:ALA:HA	19	0.12
(1,613)	1:63:A:ALA:H	1:64:A:VAL:HG11	13	0.12
(1,613)	1:63:A:ALA:H	1:64:A:VAL:HG12	13	0.12
(1,613)	1:63:A:ALA:H	1:64:A:VAL:HG13	13	0.12
(1,613)	1:63:A:ALA:H	1:64:A:VAL:HG21	13	0.12
(1,613)	1:63:A:ALA:H	1:64:A:VAL:HG22	13	0.12
(1,613)	1:63:A:ALA:H	1:64:A:VAL:HG23	13	0.12
(1,599)	1:62:A:THR:H	1:63:B:ALA:HB1	2	0.12
(1,599)	1:62:A:THR:H	1:63:B:ALA:HB2	2	0.12
(1,599)	1:62:A:THR:H	1:63:B:ALA:HB3	2	0.12
(1,586)	1:61:A:LEU:HA	1:64:A:VAL:HB	2	0.12
(1,559)	1:60:A:VAL:HB	1:16:B:ILE:HG21	4	0.12
(1,559)	1:60:A:VAL:HB	1:16:B:ILE:HG22	4	0.12
(1,559)	1:60:A:VAL:HB	1:16:B:ILE:HG23	4	0.12
(1,559)	1:60:A:VAL:HB	1:16:B:ILE:HG21	16	0.12
(1,559)	1:60:A:VAL:HB	1:16:B:ILE:HG22	16	0.12
(1,559)	1:60:A:VAL:HB	1:16:B:ILE:HG23	16	0.12
(1,507)	1:56:A:PRO:HG3	1:57:A:LYS:H	18	0.12
(1,504)	1:56:A:PRO:HG2	1:56:B:PRO:HA	20	0.12
(1,444)	1:48:A:GLU:H	1:48:A:GLU:HG2	10	0.12
(1,444)	1:48:A:GLU:H	1:48:A:GLU:HG3	10	0.12
(1,400)	1:43:A:MET:HB2	1:58:A:LEU:HD11	4	0.12
(1,400)	1:43:A:MET:HB2	1:58:A:LEU:HD12	4	0.12
(1,400)	1:43:A:MET:HB2	1:58:A:LEU:HD13	4	0.12
(1,400)	1:43:A:MET:HB2	1:58:A:LEU:HD21	4	0.12
(1,400)	1:43:A:MET:HB2	1:58:A:LEU:HD22	4	0.12
(1,400)	1:43:A:MET:HB2	1:58:A:LEU:HD23	4	0.12
(1,400)	1:43:A:MET:HB3	1:58:A:LEU:HD11	4	0.12
(1,400)	1:43:A:MET:HB3	1:58:A:LEU:HD12	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,400)	1:43:A:MET:HB3	1:58:A:LEU:HD13	4	0.12
(1,400)	1:43:A:MET:HB3	1:58:A:LEU:HD21	4	0.12
(1,400)	1:43:A:MET:HB3	1:58:A:LEU:HD22	4	0.12
(1,400)	1:43:A:MET:HB3	1:58:A:LEU:HD23	4	0.12
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG11	20	0.12
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG12	20	0.12
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG13	20	0.12
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG21	20	0.12
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG22	20	0.12
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG23	20	0.12
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG11	20	0.12
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG12	20	0.12
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG13	20	0.12
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG21	20	0.12
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG22	20	0.12
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG23	20	0.12
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG11	20	0.12
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG12	20	0.12
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG13	20	0.12
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG21	20	0.12
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG22	20	0.12
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG23	20	0.12
(1,318)	1:36:A:ALA:HB1	1:64:B:VAL:HG11	16	0.12
(1,318)	1:36:A:ALA:HB1	1:64:B:VAL:HG12	16	0.12
(1,318)	1:36:A:ALA:HB1	1:64:B:VAL:HG13	16	0.12
(1,318)	1:36:A:ALA:HB1	1:64:B:VAL:HG21	16	0.12
(1,318)	1:36:A:ALA:HB1	1:64:B:VAL:HG22	16	0.12
(1,318)	1:36:A:ALA:HB1	1:64:B:VAL:HG23	16	0.12
(1,318)	1:36:A:ALA:HB2	1:64:B:VAL:HG11	16	0.12
(1,318)	1:36:A:ALA:HB2	1:64:B:VAL:HG12	16	0.12
(1,318)	1:36:A:ALA:HB2	1:64:B:VAL:HG13	16	0.12
(1,318)	1:36:A:ALA:HB2	1:64:B:VAL:HG21	16	0.12
(1,318)	1:36:A:ALA:HB2	1:64:B:VAL:HG22	16	0.12
(1,318)	1:36:A:ALA:HB2	1:64:B:VAL:HG23	16	0.12
(1,318)	1:36:A:ALA:HB3	1:64:B:VAL:HG11	16	0.12
(1,318)	1:36:A:ALA:HB3	1:64:B:VAL:HG12	16	0.12
(1,318)	1:36:A:ALA:HB3	1:64:B:VAL:HG13	16	0.12
(1,318)	1:36:A:ALA:HB3	1:64:B:VAL:HG21	16	0.12
(1,318)	1:36:A:ALA:HB3	1:64:B:VAL:HG22	16	0.12
(1,318)	1:36:A:ALA:HB3	1:64:B:VAL:HG23	16	0.12
(1,286)	1:34:A:LEU:HD21	1:71:B:LEU:HD11	15	0.12
(1,286)	1:34:A:LEU:HD21	1:71:B:LEU:HD12	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,286)	1:34:A:LEU:HD21	1:71:B:LEU:HD13	15	0.12
(1,286)	1:34:A:LEU:HD22	1:71:B:LEU:HD11	15	0.12
(1,286)	1:34:A:LEU:HD22	1:71:B:LEU:HD12	15	0.12
(1,286)	1:34:A:LEU:HD22	1:71:B:LEU:HD13	15	0.12
(1,286)	1:34:A:LEU:HD23	1:71:B:LEU:HD11	15	0.12
(1,286)	1:34:A:LEU:HD23	1:71:B:LEU:HD12	15	0.12
(1,286)	1:34:A:LEU:HD23	1:71:B:LEU:HD13	15	0.12
(1,213)	1:24:A:VAL:HB	1:65:B:GLN:HG2	20	0.12
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD11	13	0.12
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD12	13	0.12
(1,193)	1:23:A:ILE:HA	1:23:A:ILE:HD13	13	0.12
(1,164)	1:20:A:ASP:H	1:21:A:TYR:HE1	13	0.12
(1,164)	1:20:A:ASP:H	1:21:A:TYR:HE2	13	0.12
(1,151)	1:19:A:GLN:H	1:20:A:ASP:H	15	0.12
(1,150)	1:19:A:GLN:H	1:19:A:GLN:HG2	1	0.12
(1,150)	1:19:A:GLN:H	1:19:A:GLN:HG3	1	0.12
(1,94)	1:15:A:ARG:HA	1:21:A:TYR:H	3	0.12
(1,78)	1:14:A:VAL:H	1:22:A:THR:HG21	1	0.12
(1,78)	1:14:A:VAL:H	1:22:A:THR:HG22	1	0.12
(1,78)	1:14:A:VAL:H	1:22:A:THR:HG23	1	0.12
(1,44)	1:11:A:ARG:HB2	1:24:A:VAL:HG11	5	0.12
(1,44)	1:11:A:ARG:HB2	1:24:A:VAL:HG12	5	0.12
(1,44)	1:11:A:ARG:HB2	1:24:A:VAL:HG13	5	0.12
(1,44)	1:11:A:ARG:HB2	1:24:A:VAL:HG21	5	0.12
(1,44)	1:11:A:ARG:HB2	1:24:A:VAL:HG22	5	0.12
(1,44)	1:11:A:ARG:HB2	1:24:A:VAL:HG23	5	0.12
(1,44)	1:11:A:ARG:HB3	1:24:A:VAL:HG11	5	0.12
(1,44)	1:11:A:ARG:HB3	1:24:A:VAL:HG12	5	0.12
(1,44)	1:11:A:ARG:HB3	1:24:A:VAL:HG13	5	0.12
(1,44)	1:11:A:ARG:HB3	1:24:A:VAL:HG21	5	0.12
(1,44)	1:11:A:ARG:HB3	1:24:A:VAL:HG22	5	0.12
(1,44)	1:11:A:ARG:HB3	1:24:A:VAL:HG23	5	0.12
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG11	11	0.12
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG12	11	0.12
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG13	11	0.12
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG21	11	0.12
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG22	11	0.12
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG23	11	0.12
(1,22)	1:10:A:THR:H	1:25:A:GLY:H	20	0.12
(1,1755)	1:83:B:GLN:H	1:83:B:GLN:HG2	13	0.11
(1,1755)	1:83:B:GLN:H	1:83:B:GLN:HG3	13	0.11
(1,1745)	1:82:B:GLU:HA	1:85:B:LYS:H	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1688)	1:78:B:GLN:HA	1:80:B:LEU:H	4	0.11
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD11	1	0.11
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD12	1	0.11
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD13	1	0.11
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD21	1	0.11
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD22	1	0.11
(1,1680)	1:77:B:TYR:HE1	1:80:B:LEU:HD23	1	0.11
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD11	1	0.11
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD12	1	0.11
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD13	1	0.11
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD21	1	0.11
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD22	1	0.11
(1,1680)	1:77:B:TYR:HE2	1:80:B:LEU:HD23	1	0.11
(1,1673)	1:77:B:TYR:HA	1:80:B:LEU:H	17	0.11
(1,1673)	1:77:B:TYR:HA	1:80:B:LEU:H	20	0.11
(1,1653)	1:75:B:GLU:HG2	1:76:B:GLU:H	16	0.11
(1,1653)	1:75:B:GLU:HG3	1:76:B:GLU:H	16	0.11
(1,1640)	1:74:B:LYS:HB2	1:75:B:GLU:HB2	2	0.11
(1,1640)	1:74:B:LYS:HB2	1:75:B:GLU:HB3	2	0.11
(1,1640)	1:74:B:LYS:HB3	1:75:B:GLU:HB2	2	0.11
(1,1640)	1:74:B:LYS:HB3	1:75:B:GLU:HB3	2	0.11
(1,1640)	1:74:B:LYS:HB2	1:75:B:GLU:HB2	4	0.11
(1,1640)	1:74:B:LYS:HB2	1:75:B:GLU:HB3	4	0.11
(1,1640)	1:74:B:LYS:HB3	1:75:B:GLU:HB2	4	0.11
(1,1640)	1:74:B:LYS:HB3	1:75:B:GLU:HB3	4	0.11
(1,1639)	1:74:B:LYS:HB2	1:75:B:GLU:H	17	0.11
(1,1639)	1:74:B:LYS:HB3	1:75:B:GLU:H	17	0.11
(1,1627)	1:74:B:LYS:HA	1:75:B:GLU:HA	2	0.11
(1,1613)	1:73:B:LEU:HD11	1:74:B:LYS:H	7	0.11
(1,1613)	1:73:B:LEU:HD12	1:74:B:LYS:H	7	0.11
(1,1613)	1:73:B:LEU:HD13	1:74:B:LYS:H	7	0.11
(1,1613)	1:73:B:LEU:HD21	1:74:B:LYS:H	7	0.11
(1,1613)	1:73:B:LEU:HD22	1:74:B:LYS:H	7	0.11
(1,1613)	1:73:B:LEU:HD23	1:74:B:LYS:H	7	0.11
(1,1613)	1:73:B:LEU:HD11	1:74:B:LYS:H	13	0.11
(1,1613)	1:73:B:LEU:HD12	1:74:B:LYS:H	13	0.11
(1,1613)	1:73:B:LEU:HD13	1:74:B:LYS:H	13	0.11
(1,1613)	1:73:B:LEU:HD21	1:74:B:LYS:H	13	0.11
(1,1613)	1:73:B:LEU:HD22	1:74:B:LYS:H	13	0.11
(1,1613)	1:73:B:LEU:HD23	1:74:B:LYS:H	13	0.11
(1,1611)	1:73:B:LEU:HD21	1:74:B:LYS:H	1	0.11
(1,1611)	1:73:B:LEU:HD22	1:74:B:LYS:H	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1611)	1:73:B:LEU:HD23	1:74:B:LYS:H	1	0.11
(1,1610)	1:73:B:LEU:HD11	1:74:B:LYS:HA	15	0.11
(1,1610)	1:73:B:LEU:HD12	1:74:B:LYS:HA	15	0.11
(1,1610)	1:73:B:LEU:HD13	1:74:B:LYS:HA	15	0.11
(1,1609)	1:73:B:LEU:HD11	1:74:B:LYS:H	16	0.11
(1,1609)	1:73:B:LEU:HD12	1:74:B:LYS:H	16	0.11
(1,1609)	1:73:B:LEU:HD13	1:74:B:LYS:H	16	0.11
(1,1592)	1:72:B:LYS:HA	1:74:B:LYS:H	17	0.11
(1,1592)	1:72:B:LYS:HA	1:74:B:LYS:H	18	0.11
(1,1589)	1:72:B:LYS:HA	1:72:B:LYS:HD2	12	0.11
(1,1589)	1:72:B:LYS:HA	1:72:B:LYS:HD3	12	0.11
(1,1585)	1:71:B:LEU:HD11	1:74:B:LYS:HE2	5	0.11
(1,1585)	1:71:B:LEU:HD11	1:74:B:LYS:HE3	5	0.11
(1,1585)	1:71:B:LEU:HD12	1:74:B:LYS:HE2	5	0.11
(1,1585)	1:71:B:LEU:HD12	1:74:B:LYS:HE3	5	0.11
(1,1585)	1:71:B:LEU:HD13	1:74:B:LYS:HE2	5	0.11
(1,1585)	1:71:B:LEU:HD13	1:74:B:LYS:HE3	5	0.11
(1,1585)	1:71:B:LEU:HD21	1:74:B:LYS:HE2	5	0.11
(1,1585)	1:71:B:LEU:HD21	1:74:B:LYS:HE3	5	0.11
(1,1585)	1:71:B:LEU:HD22	1:74:B:LYS:HE2	5	0.11
(1,1585)	1:71:B:LEU:HD22	1:74:B:LYS:HE3	5	0.11
(1,1585)	1:71:B:LEU:HD23	1:74:B:LYS:HE2	5	0.11
(1,1585)	1:71:B:LEU:HD23	1:74:B:LYS:HE3	5	0.11
(1,1579)	1:71:B:LEU:HA	1:75:B:GLU:HB2	18	0.11
(1,1579)	1:71:B:LEU:HA	1:75:B:GLU:HB3	18	0.11
(1,1526)	1:66:B:ILE:HA	1:69:B:GLU:HB2	1	0.11
(1,1526)	1:66:B:ILE:HA	1:69:B:GLU:HB3	1	0.11
(1,1520)	1:66:B:ILE:H	1:66:B:ILE:HG21	1	0.11
(1,1520)	1:66:B:ILE:H	1:66:B:ILE:HG22	1	0.11
(1,1520)	1:66:B:ILE:H	1:66:B:ILE:HG23	1	0.11
(1,1520)	1:66:B:ILE:H	1:66:B:ILE:HG21	11	0.11
(1,1520)	1:66:B:ILE:H	1:66:B:ILE:HG22	11	0.11
(1,1520)	1:66:B:ILE:H	1:66:B:ILE:HG23	11	0.11
(1,1520)	1:66:B:ILE:H	1:66:B:ILE:HG21	13	0.11
(1,1520)	1:66:B:ILE:H	1:66:B:ILE:HG22	13	0.11
(1,1520)	1:66:B:ILE:H	1:66:B:ILE:HG23	13	0.11
(1,1520)	1:66:B:ILE:H	1:66:B:ILE:HG21	14	0.11
(1,1520)	1:66:B:ILE:H	1:66:B:ILE:HG22	14	0.11
(1,1520)	1:66:B:ILE:H	1:66:B:ILE:HG23	14	0.11
(1,1520)	1:66:B:ILE:H	1:66:B:ILE:HG21	19	0.11
(1,1520)	1:66:B:ILE:H	1:66:B:ILE:HG22	19	0.11
(1,1520)	1:66:B:ILE:H	1:66:B:ILE:HG23	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG11	4	0.11
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG12	4	0.11
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG13	4	0.11
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG21	4	0.11
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG22	4	0.11
(1,1423)	1:56:B:PRO:HA	1:60:B:VAL:HG23	4	0.11
(1,1324)	1:43:B:MET:HB2	1:58:B:LEU:HG	18	0.11
(1,1324)	1:43:B:MET:HB3	1:58:B:LEU:HG	18	0.11
(1,1319)	1:43:B:MET:H	1:62:B:THR:HB	2	0.11
(1,1290)	1:40:B:ASP:HA	1:43:B:MET:HB2	10	0.11
(1,1290)	1:40:B:ASP:HA	1:43:B:MET:HB3	10	0.11
(1,1258)	1:36:B:ALA:H	1:37:B:ALA:HB1	16	0.11
(1,1258)	1:36:B:ALA:H	1:37:B:ALA:HB2	16	0.11
(1,1258)	1:36:B:ALA:H	1:37:B:ALA:HB3	16	0.11
(1,1240)	1:34:B:LEU:HB2	1:34:B:LEU:HG	6	0.11
(1,1240)	1:34:B:LEU:HB3	1:34:B:LEU:HG	6	0.11
(1,1240)	1:34:B:LEU:HB2	1:34:B:LEU:HG	10	0.11
(1,1240)	1:34:B:LEU:HB3	1:34:B:LEU:HG	10	0.11
(1,1240)	1:34:B:LEU:HB2	1:34:B:LEU:HG	11	0.11
(1,1240)	1:34:B:LEU:HB3	1:34:B:LEU:HG	11	0.11
(1,1194)	1:30:B:ALA:HA	1:33:B:ARG:HG2	16	0.11
(1,1194)	1:30:B:ALA:HA	1:33:B:ARG:HG3	16	0.11
(1,1129)	1:19:B:GLN:H	1:21:B:TYR:HE1	4	0.11
(1,1129)	1:19:B:GLN:H	1:21:B:TYR:HE2	4	0.11
(1,1128)	1:19:B:GLN:H	1:20:B:ASP:H	1	0.11
(1,1111)	1:16:B:ILE:HG21	1:21:B:TYR:HE1	4	0.11
(1,1111)	1:16:B:ILE:HG21	1:21:B:TYR:HE2	4	0.11
(1,1111)	1:16:B:ILE:HG22	1:21:B:TYR:HE1	4	0.11
(1,1111)	1:16:B:ILE:HG22	1:21:B:TYR:HE2	4	0.11
(1,1111)	1:16:B:ILE:HG23	1:21:B:TYR:HE1	4	0.11
(1,1111)	1:16:B:ILE:HG23	1:21:B:TYR:HE2	4	0.11
(1,1076)	1:15:B:ARG:HA	1:21:B:TYR:HD1	20	0.11
(1,1076)	1:15:B:ARG:HA	1:21:B:TYR:HD2	20	0.11
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB1	7	0.11
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB2	7	0.11
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB3	7	0.11
(1,1060)	1:14:B:VAL:H	1:23:B:ILE:H	19	0.11
(1,1045)	1:12:B:VAL:HG11	1:33:B:ARG:HA	15	0.11
(1,1045)	1:12:B:VAL:HG12	1:33:B:ARG:HA	15	0.11
(1,1045)	1:12:B:VAL:HG13	1:33:B:ARG:HA	15	0.11
(1,1045)	1:12:B:VAL:HG21	1:33:B:ARG:HA	15	0.11
(1,1045)	1:12:B:VAL:HG22	1:33:B:ARG:HA	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1045)	1:12:B:VAL:HG23	1:33:B:ARG:HA	15	0.11
(1,1042)	1:12:B:VAL:HG11	1:29:B:PRO:HA	4	0.11
(1,1042)	1:12:B:VAL:HG12	1:29:B:PRO:HA	4	0.11
(1,1042)	1:12:B:VAL:HG13	1:29:B:PRO:HA	4	0.11
(1,1042)	1:12:B:VAL:HG21	1:29:B:PRO:HA	4	0.11
(1,1042)	1:12:B:VAL:HG22	1:29:B:PRO:HA	4	0.11
(1,1042)	1:12:B:VAL:HG23	1:29:B:PRO:HA	4	0.11
(1,1021)	1:11:B:ARG:HA	1:24:B:VAL:HA	3	0.11
(1,1016)	1:11:B:ARG:H	1:24:B:VAL:HA	17	0.11
(1,981)	1:8:B:PRO:HA	1:9:B:LYS:H	5	0.11
(1,981)	1:8:B:PRO:HA	1:9:B:LYS:H	15	0.11
(1,897)	1:79:A:ARG:HA	1:82:A:GLU:H	4	0.11
(1,897)	1:79:A:ARG:HA	1:82:A:GLU:H	13	0.11
(1,886)	1:78:A:GLN:HA	1:81:A:ARG:H	1	0.11
(1,873)	1:77:A:TYR:HE1	1:76:B:GLU:HG2	18	0.11
(1,873)	1:77:A:TYR:HE1	1:76:B:GLU:HG3	18	0.11
(1,873)	1:77:A:TYR:HE2	1:76:B:GLU:HG2	18	0.11
(1,873)	1:77:A:TYR:HE2	1:76:B:GLU:HG3	18	0.11
(1,825)	1:74:A:LYS:HB2	1:75:A:GLU:H	15	0.11
(1,825)	1:74:A:LYS:HB3	1:75:A:GLU:H	15	0.11
(1,812)	1:74:A:LYS:HA	1:75:A:GLU:HA	11	0.11
(1,794)	1:73:A:LEU:HD21	1:74:A:LYS:H	1	0.11
(1,794)	1:73:A:LEU:HD22	1:74:A:LYS:H	1	0.11
(1,794)	1:73:A:LEU:HD23	1:74:A:LYS:H	1	0.11
(1,794)	1:73:A:LEU:HD21	1:74:A:LYS:H	6	0.11
(1,794)	1:73:A:LEU:HD22	1:74:A:LYS:H	6	0.11
(1,794)	1:73:A:LEU:HD23	1:74:A:LYS:H	6	0.11
(1,789)	1:73:A:LEU:HA	1:77:A:TYR:H	18	0.11
(1,787)	1:73:A:LEU:HA	1:76:A:GLU:H	13	0.11
(1,780)	1:73:A:LEU:H	1:73:A:LEU:HG	16	0.11
(1,776)	1:72:A:LYS:HA	1:76:A:GLU:H	17	0.11
(1,772)	1:72:A:LYS:HA	1:74:A:LYS:H	9	0.11
(1,772)	1:72:A:LYS:HA	1:74:A:LYS:H	16	0.11
(1,758)	1:71:A:LEU:HD11	1:38:B:PHE:HB2	16	0.11
(1,758)	1:71:A:LEU:HD11	1:38:B:PHE:HB3	16	0.11
(1,758)	1:71:A:LEU:HD12	1:38:B:PHE:HB2	16	0.11
(1,758)	1:71:A:LEU:HD12	1:38:B:PHE:HB3	16	0.11
(1,758)	1:71:A:LEU:HD13	1:38:B:PHE:HB2	16	0.11
(1,758)	1:71:A:LEU:HD13	1:38:B:PHE:HB3	16	0.11
(1,758)	1:71:A:LEU:HD21	1:38:B:PHE:HB2	16	0.11
(1,758)	1:71:A:LEU:HD21	1:38:B:PHE:HB3	16	0.11
(1,758)	1:71:A:LEU:HD22	1:38:B:PHE:HB2	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,758)	1:71:A:LEU:HD22	1:38:B:PHE:HB3	16	0.11
(1,758)	1:71:A:LEU:HD23	1:38:B:PHE:HB2	16	0.11
(1,758)	1:71:A:LEU:HD23	1:38:B:PHE:HB3	16	0.11
(1,750)	1:71:A:LEU:HA	1:75:A:GLU:HB2	2	0.11
(1,750)	1:71:A:LEU:HA	1:75:A:GLU:HB3	2	0.11
(1,714)	1:69:A:GLU:HB2	1:70:A:TYR:HD1	1	0.11
(1,714)	1:69:A:GLU:HB2	1:70:A:TYR:HD2	1	0.11
(1,714)	1:69:A:GLU:HB3	1:70:A:TYR:HD1	1	0.11
(1,714)	1:69:A:GLU:HB3	1:70:A:TYR:HD2	1	0.11
(1,675)	1:66:A:ILE:HG21	1:63:B:ALA:HA	14	0.11
(1,675)	1:66:A:ILE:HG22	1:63:B:ALA:HA	14	0.11
(1,675)	1:66:A:ILE:HG23	1:63:B:ALA:HA	14	0.11
(1,667)	1:66:A:ILE:H	1:66:A:ILE:HG21	2	0.11
(1,667)	1:66:A:ILE:H	1:66:A:ILE:HG22	2	0.11
(1,667)	1:66:A:ILE:H	1:66:A:ILE:HG23	2	0.11
(1,667)	1:66:A:ILE:H	1:66:A:ILE:HG21	4	0.11
(1,667)	1:66:A:ILE:H	1:66:A:ILE:HG22	4	0.11
(1,667)	1:66:A:ILE:H	1:66:A:ILE:HG23	4	0.11
(1,667)	1:66:A:ILE:H	1:66:A:ILE:HG21	12	0.11
(1,667)	1:66:A:ILE:H	1:66:A:ILE:HG22	12	0.11
(1,667)	1:66:A:ILE:H	1:66:A:ILE:HG23	12	0.11
(1,667)	1:66:A:ILE:H	1:66:A:ILE:HG21	16	0.11
(1,667)	1:66:A:ILE:H	1:66:A:ILE:HG22	16	0.11
(1,667)	1:66:A:ILE:H	1:66:A:ILE:HG23	16	0.11
(1,667)	1:66:A:ILE:H	1:66:A:ILE:HG21	19	0.11
(1,667)	1:66:A:ILE:H	1:66:A:ILE:HG22	19	0.11
(1,667)	1:66:A:ILE:H	1:66:A:ILE:HG23	19	0.11
(1,618)	1:63:A:ALA:HB1	1:62:B:THR:H	13	0.11
(1,618)	1:63:A:ALA:HB2	1:62:B:THR:H	13	0.11
(1,618)	1:63:A:ALA:HB3	1:62:B:THR:H	13	0.11
(1,609)	1:62:A:THR:HG21	1:63:A:ALA:H	9	0.11
(1,609)	1:62:A:THR:HG22	1:63:A:ALA:H	9	0.11
(1,609)	1:62:A:THR:HG23	1:63:A:ALA:H	9	0.11
(1,599)	1:62:A:THR:H	1:63:B:ALA:HB1	6	0.11
(1,599)	1:62:A:THR:H	1:63:B:ALA:HB2	6	0.11
(1,599)	1:62:A:THR:H	1:63:B:ALA:HB3	6	0.11
(1,567)	1:60:A:VAL:HG11	1:19:B:GLN:HB2	16	0.11
(1,567)	1:60:A:VAL:HG11	1:19:B:GLN:HB3	16	0.11
(1,567)	1:60:A:VAL:HG12	1:19:B:GLN:HB2	16	0.11
(1,567)	1:60:A:VAL:HG12	1:19:B:GLN:HB3	16	0.11
(1,567)	1:60:A:VAL:HG13	1:19:B:GLN:HB2	16	0.11
(1,567)	1:60:A:VAL:HG13	1:19:B:GLN:HB3	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,567)	1:60:A:VAL:HG21	1:19:B:GLN:HB2	16	0.11
(1,567)	1:60:A:VAL:HG21	1:19:B:GLN:HB3	16	0.11
(1,567)	1:60:A:VAL:HG22	1:19:B:GLN:HB2	16	0.11
(1,567)	1:60:A:VAL:HG22	1:19:B:GLN:HB3	16	0.11
(1,567)	1:60:A:VAL:HG23	1:19:B:GLN:HB2	16	0.11
(1,567)	1:60:A:VAL:HG23	1:19:B:GLN:HB3	16	0.11
(1,524)	1:57:A:LYS:HD2	1:19:B:GLN:HB3	17	0.11
(1,524)	1:57:A:LYS:HD3	1:19:B:GLN:HB3	17	0.11
(1,507)	1:56:A:PRO:HG3	1:57:A:LYS:H	9	0.11
(1,507)	1:56:A:PRO:HG3	1:57:A:LYS:H	10	0.11
(1,504)	1:56:A:PRO:HG2	1:56:B:PRO:HA	5	0.11
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD11	15	0.11
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD12	15	0.11
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD13	15	0.11
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD21	15	0.11
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD22	15	0.11
(1,404)	1:44:A:HIS:H	1:58:A:LEU:HD23	15	0.11
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD11	17	0.11
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD12	17	0.11
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD13	17	0.11
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD21	17	0.11
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD22	17	0.11
(1,393)	1:43:A:MET:H	1:58:A:LEU:HD23	17	0.11
(1,385)	1:42:A:LYS:HD2	1:62:A:THR:HA	13	0.11
(1,385)	1:42:A:LYS:HD3	1:62:A:THR:HA	13	0.11
(1,334)	1:38:A:PHE:HB2	1:71:B:LEU:HD11	14	0.11
(1,334)	1:38:A:PHE:HB2	1:71:B:LEU:HD12	14	0.11
(1,334)	1:38:A:PHE:HB2	1:71:B:LEU:HD13	14	0.11
(1,334)	1:38:A:PHE:HB2	1:71:B:LEU:HD21	14	0.11
(1,334)	1:38:A:PHE:HB2	1:71:B:LEU:HD22	14	0.11
(1,334)	1:38:A:PHE:HB2	1:71:B:LEU:HD23	14	0.11
(1,334)	1:38:A:PHE:HB3	1:71:B:LEU:HD11	14	0.11
(1,334)	1:38:A:PHE:HB3	1:71:B:LEU:HD12	14	0.11
(1,334)	1:38:A:PHE:HB3	1:71:B:LEU:HD13	14	0.11
(1,334)	1:38:A:PHE:HB3	1:71:B:LEU:HD21	14	0.11
(1,334)	1:38:A:PHE:HB3	1:71:B:LEU:HD22	14	0.11
(1,334)	1:38:A:PHE:HB3	1:71:B:LEU:HD23	14	0.11
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG11	15	0.11
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG12	15	0.11
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG13	15	0.11
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG21	15	0.11
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG22	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,320)	1:36:A:ALA:HB1	1:39:A:VAL:HG23	15	0.11
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG11	15	0.11
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG12	15	0.11
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG13	15	0.11
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG21	15	0.11
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG22	15	0.11
(1,320)	1:36:A:ALA:HB2	1:39:A:VAL:HG23	15	0.11
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG11	15	0.11
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG12	15	0.11
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG13	15	0.11
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG21	15	0.11
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG22	15	0.11
(1,320)	1:36:A:ALA:HB3	1:39:A:VAL:HG23	15	0.11
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB1	10	0.11
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB2	10	0.11
(1,307)	1:35:A:VAL:HG11	1:36:A:ALA:HB3	10	0.11
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB1	10	0.11
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB2	10	0.11
(1,307)	1:35:A:VAL:HG12	1:36:A:ALA:HB3	10	0.11
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB1	10	0.11
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB2	10	0.11
(1,307)	1:35:A:VAL:HG13	1:36:A:ALA:HB3	10	0.11
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB1	10	0.11
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB2	10	0.11
(1,307)	1:35:A:VAL:HG21	1:36:A:ALA:HB3	10	0.11
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB1	10	0.11
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB2	10	0.11
(1,307)	1:35:A:VAL:HG22	1:36:A:ALA:HB3	10	0.11
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB1	10	0.11
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB2	10	0.11
(1,307)	1:35:A:VAL:HG23	1:36:A:ALA:HB3	10	0.11
(1,283)	1:34:A:LEU:HB2	1:34:A:LEU:HG	14	0.11
(1,283)	1:34:A:LEU:HB3	1:34:A:LEU:HG	14	0.11
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD11	11	0.11
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD12	11	0.11
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD13	11	0.11
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD21	11	0.11
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD22	11	0.11
(1,280)	1:34:A:LEU:HA	1:34:A:LEU:HD23	11	0.11
(1,261)	1:32:A:ILE:HG12	1:33:A:ARG:HA	1	0.11
(1,261)	1:32:A:ILE:HG13	1:33:A:ARG:HA	1	0.11
(1,223)	1:27:A:GLU:HA	1:28:A:SER:H	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,207)	1:23:A:ILE:HG21	1:65:B:GLN:HA	6	0.11
(1,207)	1:23:A:ILE:HG22	1:65:B:GLN:HA	6	0.11
(1,207)	1:23:A:ILE:HG23	1:65:B:GLN:HA	6	0.11
(1,151)	1:19:A:GLN:H	1:20:A:ASP:H	4	0.11
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD11	12	0.11
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD12	12	0.11
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD13	12	0.11
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD21	12	0.11
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD22	12	0.11
(1,145)	1:17:A:TYR:HE1	1:58:A:LEU:HD23	12	0.11
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD11	12	0.11
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD12	12	0.11
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD13	12	0.11
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD21	12	0.11
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD22	12	0.11
(1,145)	1:17:A:TYR:HE2	1:58:A:LEU:HD23	12	0.11
(1,133)	1:16:A:ILE:HG21	1:60:B:VAL:HB	3	0.11
(1,133)	1:16:A:ILE:HG22	1:60:B:VAL:HB	3	0.11
(1,133)	1:16:A:ILE:HG23	1:60:B:VAL:HB	3	0.11
(1,133)	1:16:A:ILE:HG21	1:60:B:VAL:HB	17	0.11
(1,133)	1:16:A:ILE:HG22	1:60:B:VAL:HB	17	0.11
(1,133)	1:16:A:ILE:HG23	1:60:B:VAL:HB	17	0.11
(1,94)	1:15:A:ARG:HA	1:21:A:TYR:H	4	0.11
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB1	2	0.11
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB2	2	0.11
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB3	2	0.11
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB1	12	0.11
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB2	12	0.11
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB3	12	0.11
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB1	20	0.11
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB2	20	0.11
(1,80)	1:14:A:VAL:H	1:36:A:ALA:HB3	20	0.11
(1,78)	1:14:A:VAL:H	1:22:A:THR:HG21	18	0.11
(1,78)	1:14:A:VAL:H	1:22:A:THR:HG22	18	0.11
(1,78)	1:14:A:VAL:H	1:22:A:THR:HG23	18	0.11
(1,78)	1:14:A:VAL:H	1:22:A:THR:HG21	20	0.11
(1,78)	1:14:A:VAL:H	1:22:A:THR:HG22	20	0.11
(1,78)	1:14:A:VAL:H	1:22:A:THR:HG23	20	0.11
(1,42)	1:11:A:ARG:HA	1:25:A:GLY:H	5	0.11
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG11	9	0.11
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG12	9	0.11
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG13	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG21	9	0.11
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG22	9	0.11
(1,36)	1:11:A:ARG:H	1:24:A:VAL:HG23	9	0.11
(1,30)	1:10:A:THR:HG21	1:12:A:VAL:HB	16	0.11
(1,30)	1:10:A:THR:HG22	1:12:A:VAL:HB	16	0.11
(1,30)	1:10:A:THR:HG23	1:12:A:VAL:HB	16	0.11
(1,23)	1:10:A:THR:H	1:26:A:ALA:HA	6	0.11
(1,1)	1:8:A:PRO:HA	1:9:A:LYS:H	15	0.11
(1,1755)	1:83:B:GLN:H	1:83:B:GLN:HG2	2	0.1
(1,1755)	1:83:B:GLN:H	1:83:B:GLN:HG3	2	0.1
(1,1716)	1:80:B:LEU:HD11	1:81:B:ARG:HA	14	0.1
(1,1716)	1:80:B:LEU:HD12	1:81:B:ARG:HA	14	0.1
(1,1716)	1:80:B:LEU:HD13	1:81:B:ARG:HA	14	0.1
(1,1689)	1:78:B:GLN:HA	1:81:B:ARG:H	7	0.1
(1,1651)	1:75:B:GLU:HA	1:78:B:GLN:H	17	0.1
(1,1639)	1:74:B:LYS:HB2	1:75:B:GLU:H	9	0.1
(1,1639)	1:74:B:LYS:HB3	1:75:B:GLU:H	9	0.1
(1,1627)	1:74:B:LYS:HA	1:75:B:GLU:HA	1	0.1
(1,1599)	1:73:B:LEU:H	1:73:B:LEU:HG	2	0.1
(1,1592)	1:72:B:LYS:HA	1:74:B:LYS:H	11	0.1
(1,1579)	1:71:B:LEU:HA	1:75:B:GLU:HB2	3	0.1
(1,1579)	1:71:B:LEU:HA	1:75:B:GLU:HB3	3	0.1
(1,1520)	1:66:B:ILE:H	1:66:B:ILE:HG21	3	0.1
(1,1520)	1:66:B:ILE:H	1:66:B:ILE:HG22	3	0.1
(1,1520)	1:66:B:ILE:H	1:66:B:ILE:HG23	3	0.1
(1,1497)	1:63:B:ALA:H	1:64:B:VAL:HG11	10	0.1
(1,1497)	1:63:B:ALA:H	1:64:B:VAL:HG12	10	0.1
(1,1497)	1:63:B:ALA:H	1:64:B:VAL:HG13	10	0.1
(1,1497)	1:63:B:ALA:H	1:64:B:VAL:HG21	10	0.1
(1,1497)	1:63:B:ALA:H	1:64:B:VAL:HG22	10	0.1
(1,1497)	1:63:B:ALA:H	1:64:B:VAL:HG23	10	0.1
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD11	4	0.1
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD12	4	0.1
(1,1491)	1:62:B:THR:HA	1:66:B:ILE:HD13	4	0.1
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD11	10	0.1
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD12	10	0.1
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD13	10	0.1
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD21	10	0.1
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD22	10	0.1
(1,1329)	1:44:B:HIS:H	1:58:B:LEU:HD23	10	0.1
(1,1321)	1:43:B:MET:HA	1:62:B:THR:HB	14	0.1
(1,1311)	1:42:B:LYS:HD2	1:66:B:ILE:H	6	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1311)	1:42:B:LYS:HD3	1:66:B:ILE:H	6	0.1
(1,1288)	1:39:B:VAL:HG11	1:62:B:THR:HB	3	0.1
(1,1288)	1:39:B:VAL:HG12	1:62:B:THR:HB	3	0.1
(1,1288)	1:39:B:VAL:HG13	1:62:B:THR:HB	3	0.1
(1,1288)	1:39:B:VAL:HG21	1:62:B:THR:HB	3	0.1
(1,1288)	1:39:B:VAL:HG22	1:62:B:THR:HB	3	0.1
(1,1288)	1:39:B:VAL:HG23	1:62:B:THR:HB	3	0.1
(1,1240)	1:34:B:LEU:HB2	1:34:B:LEU:HG	9	0.1
(1,1240)	1:34:B:LEU:HB3	1:34:B:LEU:HG	9	0.1
(1,1215)	1:32:B:ILE:HA	1:36:B:ALA:H	16	0.1
(1,1128)	1:19:B:GLN:H	1:20:B:ASP:H	20	0.1
(1,1093)	1:16:B:ILE:H	1:20:B:ASP:HA	7	0.1
(1,1083)	1:15:B:ARG:HD2	1:19:B:GLN:H	1	0.1
(1,1083)	1:15:B:ARG:HD3	1:19:B:GLN:H	1	0.1
(1,1083)	1:15:B:ARG:HD2	1:19:B:GLN:H	4	0.1
(1,1083)	1:15:B:ARG:HD3	1:19:B:GLN:H	4	0.1
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB1	6	0.1
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB2	6	0.1
(1,1061)	1:14:B:VAL:H	1:36:B:ALA:HB3	6	0.1
(1,1038)	1:12:B:VAL:HB	1:25:B:GLY:H	8	0.1
(1,1018)	1:11:B:ARG:H	1:25:B:GLY:H	11	0.1
(1,981)	1:8:B:PRO:HA	1:9:B:LYS:H	20	0.1
(1,918)	1:80:A:LEU:HD11	1:81:A:ARG:HA	5	0.1
(1,918)	1:80:A:LEU:HD12	1:81:A:ARG:HA	5	0.1
(1,918)	1:80:A:LEU:HD13	1:81:A:ARG:HA	5	0.1
(1,918)	1:80:A:LEU:HD21	1:81:A:ARG:HA	5	0.1
(1,918)	1:80:A:LEU:HD22	1:81:A:ARG:HA	5	0.1
(1,918)	1:80:A:LEU:HD23	1:81:A:ARG:HA	5	0.1
(1,889)	1:79:A:ARG:H	1:79:A:ARG:HG2	12	0.1
(1,889)	1:79:A:ARG:H	1:79:A:ARG:HG3	12	0.1
(1,885)	1:78:A:GLN:HA	1:80:A:LEU:H	7	0.1
(1,846)	1:76:A:GLU:H	1:76:A:GLU:HG2	11	0.1
(1,846)	1:76:A:GLU:H	1:76:A:GLU:HG3	11	0.1
(1,841)	1:75:A:GLU:HA	1:78:A:GLN:H	6	0.1
(1,826)	1:74:A:LYS:HB2	1:75:A:GLU:HB2	1	0.1
(1,826)	1:74:A:LYS:HB2	1:75:A:GLU:HB3	1	0.1
(1,826)	1:74:A:LYS:HB3	1:75:A:GLU:HB2	1	0.1
(1,826)	1:74:A:LYS:HB3	1:75:A:GLU:HB3	1	0.1
(1,812)	1:74:A:LYS:HA	1:75:A:GLU:HA	9	0.1
(1,795)	1:73:A:LEU:HD21	1:74:A:LYS:HA	9	0.1
(1,795)	1:73:A:LEU:HD22	1:74:A:LYS:HA	9	0.1
(1,795)	1:73:A:LEU:HD23	1:74:A:LYS:HA	9	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,792)	1:73:A:LEU:HD11	1:74:A:LYS:H	2	0.1
(1,792)	1:73:A:LEU:HD12	1:74:A:LYS:H	2	0.1
(1,792)	1:73:A:LEU:HD13	1:74:A:LYS:H	2	0.1
(1,691)	1:67:A:ALA:HB1	1:38:B:PHE:HD1	9	0.1
(1,691)	1:67:A:ALA:HB1	1:38:B:PHE:HD2	9	0.1
(1,691)	1:67:A:ALA:HB2	1:38:B:PHE:HD1	9	0.1
(1,691)	1:67:A:ALA:HB2	1:38:B:PHE:HD2	9	0.1
(1,691)	1:67:A:ALA:HB3	1:38:B:PHE:HD1	9	0.1
(1,691)	1:67:A:ALA:HB3	1:38:B:PHE:HD2	9	0.1
(1,667)	1:66:A:ILE:H	1:66:A:ILE:HG21	8	0.1
(1,667)	1:66:A:ILE:H	1:66:A:ILE:HG22	8	0.1
(1,667)	1:66:A:ILE:H	1:66:A:ILE:HG23	8	0.1
(1,667)	1:66:A:ILE:H	1:66:A:ILE:HG21	13	0.1
(1,667)	1:66:A:ILE:H	1:66:A:ILE:HG22	13	0.1
(1,667)	1:66:A:ILE:H	1:66:A:ILE:HG23	13	0.1
(1,667)	1:66:A:ILE:H	1:66:A:ILE:HG21	18	0.1
(1,667)	1:66:A:ILE:H	1:66:A:ILE:HG22	18	0.1
(1,667)	1:66:A:ILE:H	1:66:A:ILE:HG23	18	0.1
(1,631)	1:64:A:VAL:HB	1:23:B:ILE:HD11	16	0.1
(1,631)	1:64:A:VAL:HB	1:23:B:ILE:HD12	16	0.1
(1,631)	1:64:A:VAL:HB	1:23:B:ILE:HD13	16	0.1
(1,618)	1:63:A:ALA:HB1	1:62:B:THR:H	20	0.1
(1,618)	1:63:A:ALA:HB2	1:62:B:THR:H	20	0.1
(1,618)	1:63:A:ALA:HB3	1:62:B:THR:H	20	0.1
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD11	12	0.1
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD12	12	0.1
(1,606)	1:62:A:THR:HA	1:66:A:ILE:HD13	12	0.1
(1,449)	1:48:A:GLU:HG2	1:49:A:LYS:H	11	0.1
(1,449)	1:48:A:GLU:HG3	1:49:A:LYS:H	11	0.1
(1,383)	1:42:A:LYS:HA	1:62:A:THR:HG21	14	0.1
(1,383)	1:42:A:LYS:HA	1:62:A:THR:HG22	14	0.1
(1,383)	1:42:A:LYS:HA	1:62:A:THR:HG23	14	0.1
(1,283)	1:34:A:LEU:HB2	1:34:A:LEU:HG	11	0.1
(1,283)	1:34:A:LEU:HB3	1:34:A:LEU:HG	11	0.1
(1,237)	1:30:A:ALA:HA	1:33:A:ARG:HG2	11	0.1
(1,237)	1:30:A:ALA:HA	1:33:A:ARG:HG3	11	0.1
(1,226)	1:28:A:SER:H	1:31:A:HIS:H	18	0.1
(1,188)	1:23:A:ILE:H	1:23:A:ILE:HB	13	0.1
(1,176)	1:21:A:TYR:HD1	1:52:B:MET:HG2	15	0.1
(1,176)	1:21:A:TYR:HD1	1:52:B:MET:HG3	15	0.1
(1,176)	1:21:A:TYR:HD2	1:52:B:MET:HG2	15	0.1
(1,176)	1:21:A:TYR:HD2	1:52:B:MET:HG3	15	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,151)	1:19:A:GLN:H	1:20:A:ASP:H	2	0.1
(1,142)	1:17:A:TYR:HB2	1:43:A:MET:HB2	19	0.1
(1,142)	1:17:A:TYR:HB2	1:43:A:MET:HB3	19	0.1
(1,142)	1:17:A:TYR:HB3	1:43:A:MET:HB2	19	0.1
(1,142)	1:17:A:TYR:HB3	1:43:A:MET:HB3	19	0.1
(1,102)	1:15:A:ARG:HD2	1:19:A:GLN:H	11	0.1
(1,102)	1:15:A:ARG:HD3	1:19:A:GLN:H	11	0.1
(1,91)	1:15:A:ARG:H	1:16:A:ILE:H	7	0.1
(1,85)	1:14:A:VAL:HG11	1:33:A:ARG:H	18	0.1
(1,85)	1:14:A:VAL:HG12	1:33:A:ARG:H	18	0.1
(1,85)	1:14:A:VAL:HG13	1:33:A:ARG:H	18	0.1
(1,85)	1:14:A:VAL:HG21	1:33:A:ARG:H	18	0.1
(1,85)	1:14:A:VAL:HG22	1:33:A:ARG:H	18	0.1
(1,85)	1:14:A:VAL:HG23	1:33:A:ARG:H	18	0.1
(1,64)	1:12:A:VAL:HG11	1:33:A:ARG:HA	5	0.1
(1,64)	1:12:A:VAL:HG12	1:33:A:ARG:HA	5	0.1
(1,64)	1:12:A:VAL:HG13	1:33:A:ARG:HA	5	0.1
(1,64)	1:12:A:VAL:HG21	1:33:A:ARG:HA	5	0.1
(1,64)	1:12:A:VAL:HG22	1:33:A:ARG:HA	5	0.1
(1,64)	1:12:A:VAL:HG23	1:33:A:ARG:HA	5	0.1
(1,42)	1:11:A:ARG:HA	1:25:A:GLY:H	18	0.1

10 Dihedral-angle violation analysis ⓘ

No dihedral-angle restraints found