Full wwPDB NMR Structure Validation Report

Mar 26, 2026 – 08:34 AM UTC

PDB ID	:	2M5G / pdb_00002m5g
BMRB ID	:	19053
Title	:	Solution structure of FimA wt
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Deposited on	:	2013-02-24

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

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

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

The following versions of software and data (see references (1)) were used in the production of this report:

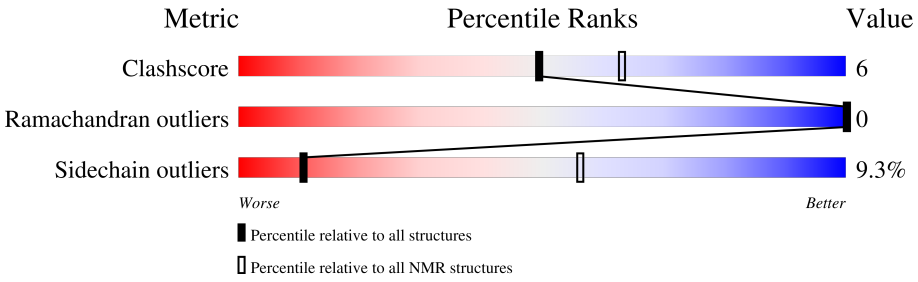
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber (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 36%.

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



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

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

Mol	Chain	Length	Quality of chain
1	A	159	84% 9% • 6%

2 Ensemble composition and analysis (i)

This entry contains 20 models. Model 18 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *minimized average structure*.

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:4-A:89, A:95-A:158 (150)	0.41	18

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

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

The models can be grouped into 5 clusters. No single-model clusters were found.

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

3 Entry composition (i)

There is only 1 type of molecule in this entry. The entry contains 2188 atoms, of which 1075 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Type-1 fimbrial protein, A chain.

Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	A	159	2188	680	1075	196	235	2	0

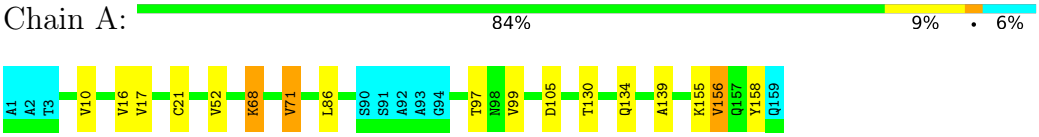
4 Residue-property plots

4.1 Average score per residue in the NMR ensemble

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

• Molecule 1: Type-1 fimbrial protein, A chain

Chain A:



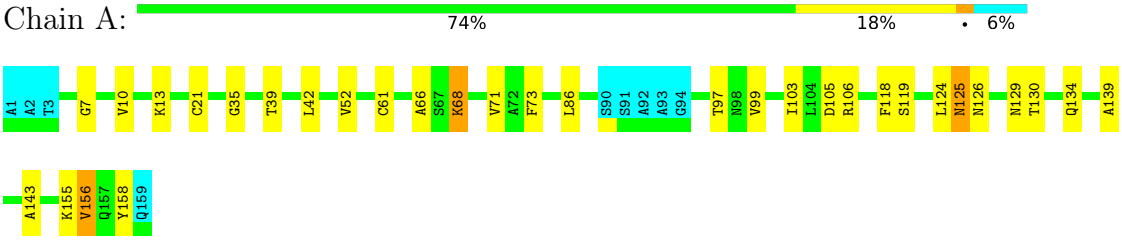
4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

• Molecule 1: Type-1 fimbrial protein, A chain

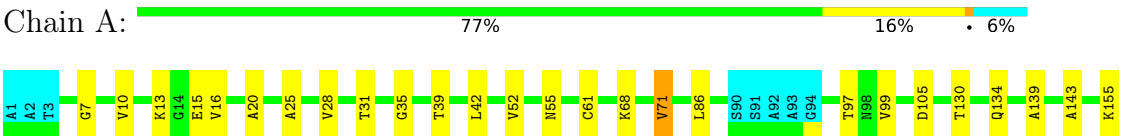
Chain A:



4.2.2 Score per residue for model 2

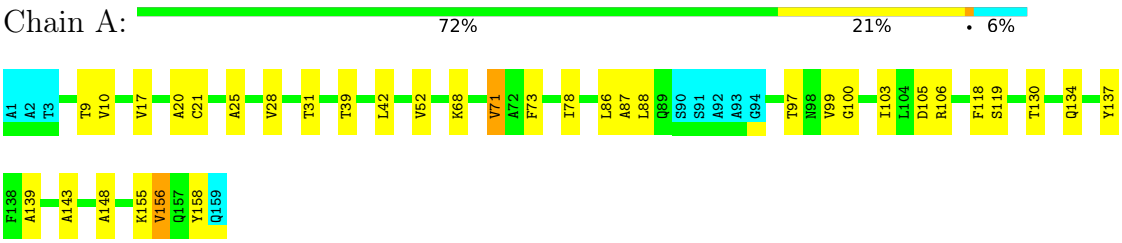
• Molecule 1: Type-1 fimbrial protein, A chain

Chain A:



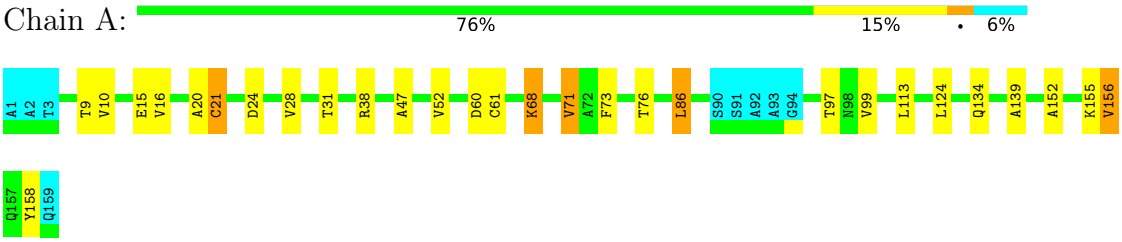
4.2.3 Score per residue for model 3

• Molecule 1: Type-1 fimbrial protein, A chain



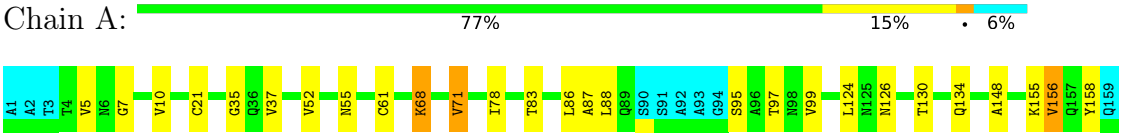
4.2.4 Score per residue for model 4

• Molecule 1: Type-1 fimbrial protein, A chain



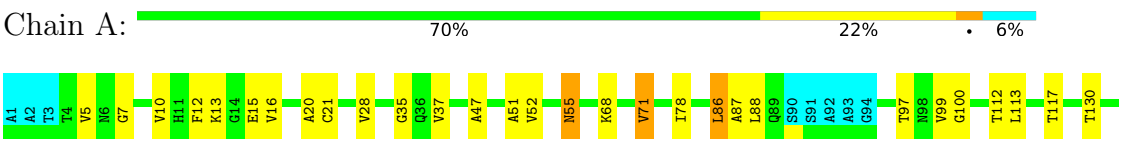
4.2.5 Score per residue for model 5

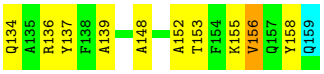
• Molecule 1: Type-1 fimbrial protein, A chain



4.2.6 Score per residue for model 6

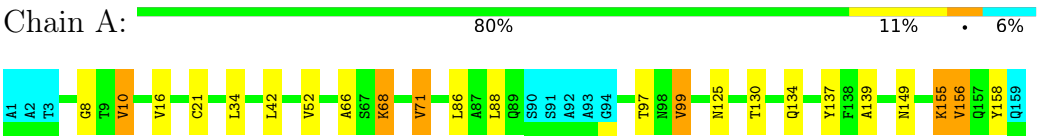
• Molecule 1: Type-1 fimbrial protein, A chain





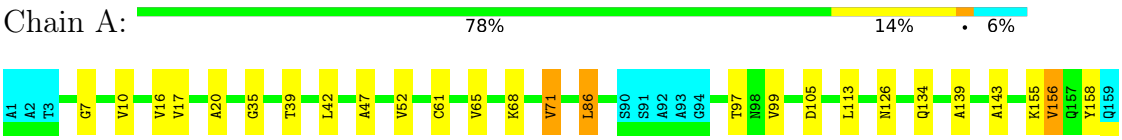
4.2.7 Score per residue for model 7

• Molecule 1: Type-1 fimbrial protein, A chain



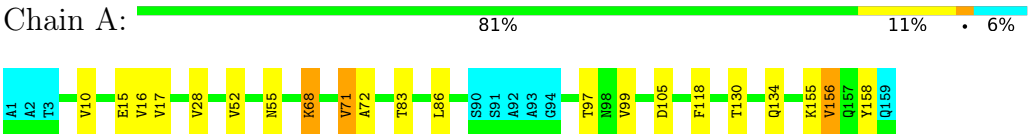
4.2.8 Score per residue for model 8

• Molecule 1: Type-1 fimbrial protein, A chain



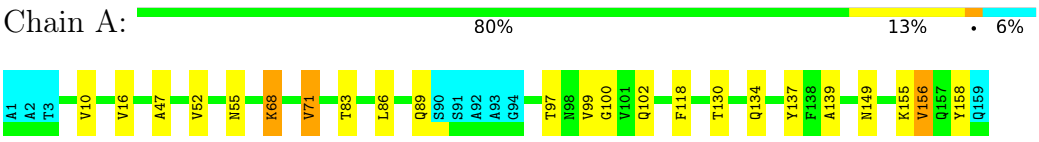
4.2.9 Score per residue for model 9

• Molecule 1: Type-1 fimbrial protein, A chain



4.2.10 Score per residue for model 10

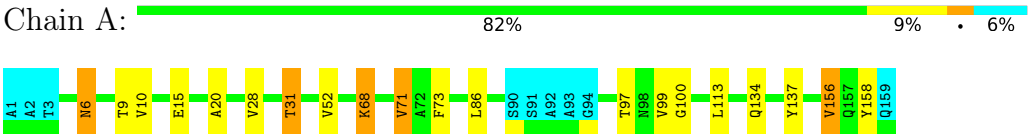
• Molecule 1: Type-1 fimbrial protein, A chain



4.2.11 Score per residue for model 11

• Molecule 1: Type-1 fimbrial protein, A chain

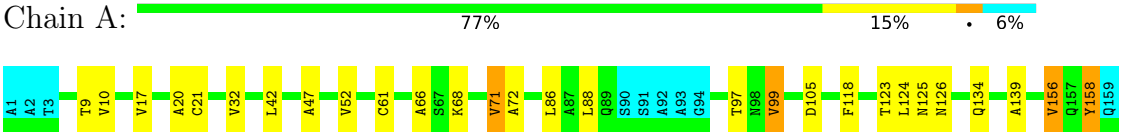
Chain A:



4.2.12 Score per residue for model 12

• Molecule 1: Type-1 fimbrial protein, A chain

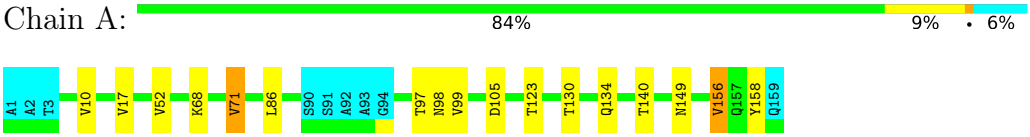
Chain A:



4.2.13 Score per residue for model 13

• Molecule 1: Type-1 fimbrial protein, A chain

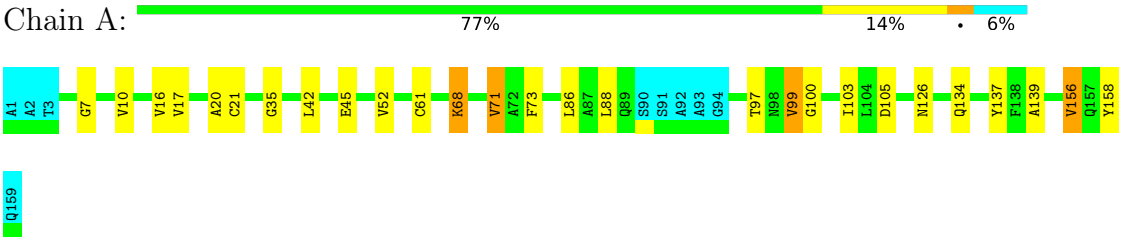
Chain A:



4.2.14 Score per residue for model 14

• Molecule 1: Type-1 fimbrial protein, A chain

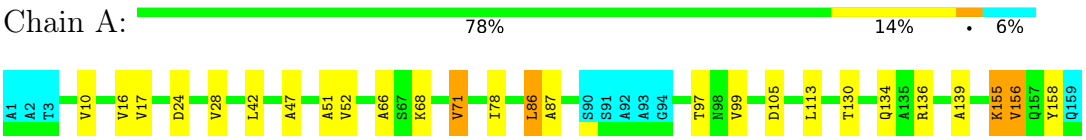
Chain A:



4.2.15 Score per residue for model 15

• Molecule 1: Type-1 fimbrial protein, A chain

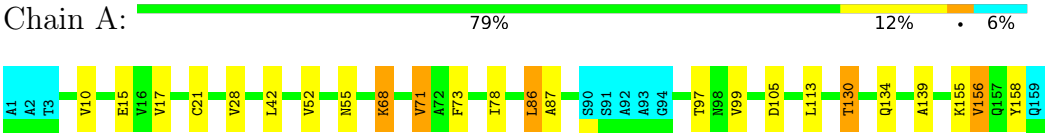
Chain A:



4.2.16 Score per residue for model 16

• Molecule 1: Type-1 fimbrial protein, A chain

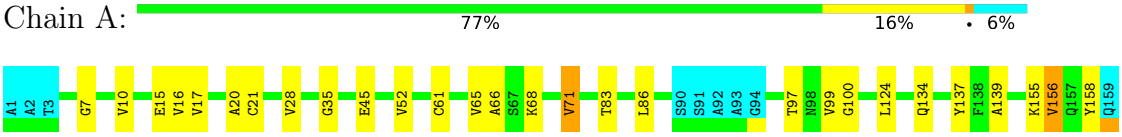
Chain A:



4.2.17 Score per residue for model 17

• Molecule 1: Type-1 fimbrial protein, A chain

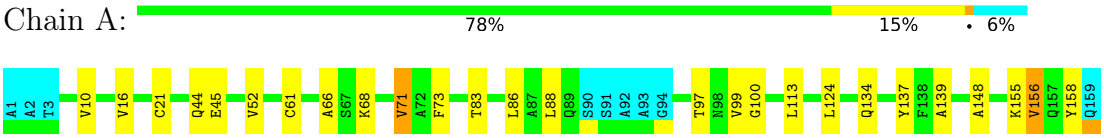
Chain A:



4.2.18 Score per residue for model 18 (medoid)

• Molecule 1: Type-1 fimbrial protein, A chain

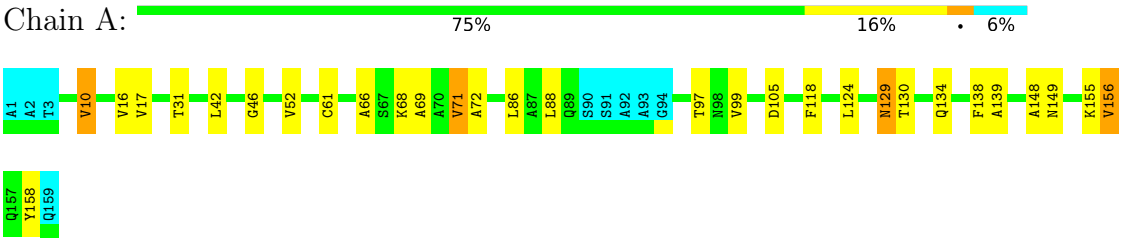
Chain A:



4.2.19 Score per residue for model 19

• Molecule 1: Type-1 fimbrial protein, A chain

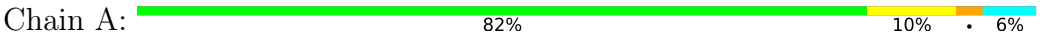
Chain A:

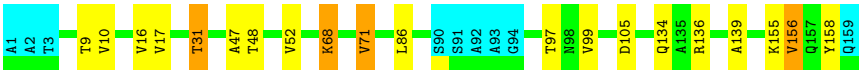


4.2.20 Score per residue for model 20

• Molecule 1: Type-1 fimbrial protein, A chain

Chain A:




A1
A2
T3
T9
V10
V16
V17
T31
A47
T48
V52
K68
V71
L86
S90
S91
A92
A93
G94
T97
N98
V99
D105
Q134
A135
R136
A139
K155
V156
Q157
Y158
Q159

5 Refinement protocol and experimental data overview

The models were refined using the following method: *simulated annealing.*

Of the 100 calculated structures, 20 were deposited, based on the following criterion: *structures with the lowest energy.*

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

Software name	Classification	Version
Sparky	structure solution	
Sparky	refinement	
CNS	refinement	

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

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	668
Number of shifts mapped to atoms	668
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	36%

6 Model quality

6.1 Standard geometry

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

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	1060	1025	1025	12±3
All	All	21200	20500	20500	239

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 6.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:15:GLU:HG3	1:A:28:VAL:HB	0.72	1.59	9	7
1:A:68:LYS:O	1:A:158:TYR:HA	0.68	1.86	16	12
1:A:68:LYS:HG3	1:A:123:THR:HA	0.62	1.71	12	2
1:A:71:VAL:HG12	1:A:156:VAL:HG12	0.61	1.72	20	20
1:A:17:VAL:HG21	1:A:156:VAL:HG22	0.61	1.72	20	9
1:A:105:ASP:OD1	1:A:119:SER:HB3	0.58	1.98	1	2
1:A:52:VAL:O	1:A:134:GLN:HA	0.57	2.00	18	20
1:A:48:THR:HB	1:A:136:ARG:HH11	0.57	1.60	20	1
1:A:86:LEU:HD22	1:A:113:LEU:HD13	0.56	1.76	6	3
1:A:61:CYS:O	1:A:126:ASN:HA	0.56	2.01	8	5
1:A:16:VAL:HG23	1:A:17:VAL:HG22	0.55	1.76	17	5
1:A:66:ALA:HB1	1:A:158:TYR:HB2	0.54	1.77	1	7
1:A:47:ALA:HB3	1:A:139:ALA:HB3	0.52	1.80	12	7
1:A:51:ALA:HA	1:A:136:ARG:HB3	0.52	1.82	6	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:39:THR:HB	1:A:143:ALA:O	0.51	2.05	3	4
1:A:42:LEU:HB3	1:A:139:ALA:HB2	0.51	1.82	15	10
1:A:45:GLU:HA	1:A:139:ALA:O	0.51	2.05	18	3
1:A:71:VAL:HA	1:A:156:VAL:HA	0.50	1.82	8	11
1:A:88:LEU:HG	1:A:148:ALA:HA	0.50	1.84	19	5
1:A:13:LYS:HA	1:A:28:VAL:O	0.49	2.06	2	1
1:A:17:VAL:HG21	1:A:156:VAL:CG2	0.49	2.37	16	4
1:A:100:GLY:O	1:A:137:TYR:HA	0.49	2.07	3	7
1:A:61:CYS:SG	1:A:124:LEU:HD22	0.48	2.47	19	2
1:A:7:GLY:HA2	1:A:35:GLY:C	0.48	2.33	17	7
1:A:88:LEU:HD21	1:A:99:VAL:O	0.48	2.08	7	3
1:A:8:GLY:HA3	1:A:137:TYR:OH	0.47	2.09	7	1
1:A:69:ALA:HB2	1:A:124:LEU:HD21	0.47	1.87	19	1
1:A:20:ALA:HB3	1:A:158:TYR:CE1	0.47	2.44	17	8
1:A:73:PHE:O	1:A:113:LEU:HA	0.46	2.10	4	4
1:A:72:ALA:HB2	1:A:118:PHE:CD1	0.46	2.46	9	3
1:A:118:PHE:HE1	1:A:155:LYS:HD2	0.46	1.71	9	3
1:A:9:THR:HB	1:A:31:THR:HG22	0.46	1.85	11	4
1:A:73:PHE:CE1	1:A:103:ILE:HG21	0.45	2.46	14	3
1:A:71:VAL:HA	1:A:155:LYS:O	0.45	2.11	3	2
1:A:16:VAL:HG21	1:A:155:LYS:HA	0.45	1.87	6	10
1:A:78:ILE:HA	1:A:87:ALA:HB2	0.45	1.89	5	5
1:A:118:PHE:CE1	1:A:155:LYS:HE3	0.44	2.47	10	1
1:A:20:ALA:O	1:A:61:CYS:HA	0.44	2.12	14	1
1:A:10:VAL:HG22	1:A:34:LEU:HD21	0.44	1.90	7	1
1:A:61:CYS:SG	1:A:124:LEU:HD13	0.43	2.53	4	4
1:A:12:PHE:HA	1:A:152:ALA:O	0.43	2.12	6	1
1:A:51:ALA:CA	1:A:136:ARG:HB3	0.43	2.43	6	1
1:A:20:ALA:HB3	1:A:158:TYR:CD1	0.43	2.48	8	1
1:A:55:ASN:HB2	1:A:130:THR:HG22	0.43	1.90	6	4
1:A:25:ALA:HA	1:A:28:VAL:HG22	0.43	1.91	3	2
1:A:105:ASP:CG	1:A:106:ARG:N	0.42	2.77	1	2
1:A:24:ASP:O	1:A:28:VAL:HG13	0.42	2.13	4	2
1:A:112:THR:HB	1:A:117:THR:OG1	0.42	2.13	6	1
1:A:51:ALA:HB2	1:A:136:ARG:HB3	0.42	1.92	15	1
1:A:124:LEU:C	1:A:125:ASN:HD22	0.42	2.23	1	1
1:A:5:VAL:HG22	1:A:37:VAL:HG12	0.42	1.92	6	2
1:A:98:ASN:HA	1:A:140:THR:OG1	0.42	2.14	13	1
1:A:129:ASN:N	1:A:129:ASN:HD22	0.41	2.13	19	1
1:A:10:VAL:O	1:A:31:THR:HA	0.41	2.15	19	1
1:A:21:CYS:HA	1:A:60:ASP:O	0.41	2.16	4	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:13:LYS:HB3	1:A:153:THR:HG22	0.41	1.93	6	1
1:A:86:LEU:HD22	1:A:113:LEU:CD1	0.41	2.46	16	1
1:A:20:ALA:HB2	1:A:65:VAL:HG13	0.40	1.93	17	1
1:A:89:GLN:HG2	1:A:149:ASN:O	0.40	2.16	10	1
1:A:9:THR:HA	1:A:32:VAL:O	0.40	2.17	12	1
1:A:46:GLY:HA2	1:A:138:PHE:CZ	0.40	2.51	19	1
1:A:86:LEU:HD21	1:A:152:ALA:HB2	0.40	1.92	4	1
1:A:6:ASN:N	1:A:6:ASN:HD22	0.40	2.14	11	1

6.3 Torsion angles (i)

6.3.1 Protein backbone (i)

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	150/159 (94%)	134±2 (89±1%)	16±2 (11±1%)	0±0 (0±0%)	100	100
All	All	3000/3180 (94%)	2678 (89%)	322 (11%)	0 (0%)	100	100

There are no Ramachandran outliers.

6.3.2 Protein sidechains (i)

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	108/112 (96%)	98±1 (91±1%)	10±1 (9±1%)	11	56
All	All	2160/2240 (96%)	1960 (91%)	200 (9%)	11	56

All 26 unique residues with a non-rotameric sidechain are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	10	VAL	20
1	A	86	LEU	20
1	A	97	THR	20
1	A	99	VAL	20
1	A	156	VAL	20
1	A	71	VAL	19
1	A	68	LYS	18
1	A	21	CYS	11
1	A	105	ASP	10
1	A	130	THR	9
1	A	83	THR	5
1	A	155	LYS	5
1	A	125	ASN	3
1	A	31	THR	3
1	A	55	ASN	3
1	A	149	ASN	3
1	A	129	ASN	2
1	A	13	LYS	1
1	A	61	CYS	1
1	A	38	ARG	1
1	A	76	THR	1
1	A	95	SER	1
1	A	102	GLN	1
1	A	6	ASN	1
1	A	158	TYR	1
1	A	44	GLN	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

There are no ligands in this entry.

6.7 Other polymers

There are no such molecules in this entry.

6.8 Polymer linkage issues

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 36% for the well-defined parts and 35% 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	668
Number of shifts mapped to atoms	668
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	4

7.1.2 Chemical shift referencing

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

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 36%, i.e. 645 atoms were assigned a chemical shift out of a possible 1811. 0 out of 25 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	0/761 (0%)	0/313 (0%)	0/300 (0%)	0/148 (0%)
Sidechain	607/948 (64%)	607/625 (97%)	0/291 (0%)	0/32 (0%)
Aromatic	38/102 (37%)	38/51 (75%)	0/49 (0%)	0/2 (0%)
Overall	645/1811 (36%)	645/989 (65%)	0/640 (0%)	0/182 (0%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 35%, i.e. 668 atoms were assigned a chemical shift out of a possible 1895. 0 out of 25 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	0/807 (0%)	0/332 (0%)	0/318 (0%)	0/157 (0%)
Sidechain	630/986 (64%)	630/651 (97%)	0/302 (0%)	0/33 (0%)
Aromatic	38/102 (37%)	38/51 (75%)	0/49 (0%)	0/2 (0%)
Overall	668/1895 (35%)	668/1034 (65%)	0/669 (0%)	0/192 (0%)

7.1.4 Statistically unusual chemical shifts (i)

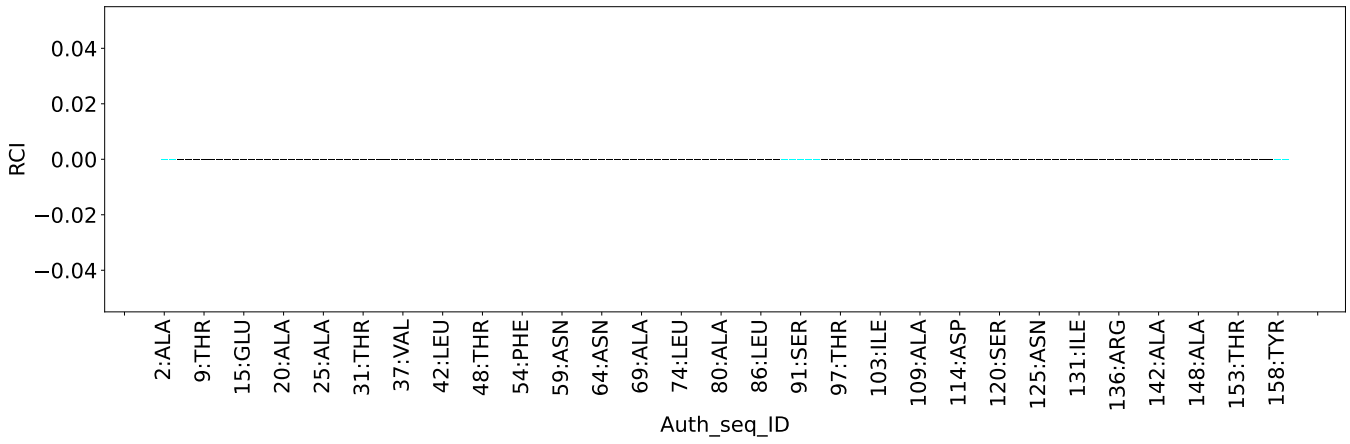
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, *ppm*	Expected range, *ppm*	Z-score
1	A	133	PHE	HB2	0.40	1.20 – 4.80	-7.2
1	A	72	ALA	HB1	-0.12	0.14 – 2.58	-6.0
1	A	72	ALA	HB2	-0.12	0.14 – 2.58	-6.0
1	A	72	ALA	HB3	-0.12	0.14 – 2.58	-6.0

7.1.5 Random Coil Index (RCI) plots (i)

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

Random coil index (RCI) for chain A:



8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	3499
Intra-residue (|i-j|=0)	530
Sequential (|i-j|=1)	943
Medium range (|i-j|>1 and |i-j|<5)	328
Long range (|i-j|≥5)	1698
Inter-chain	0
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	0
Number of unmapped restraints	0
Number of restraints per residue	22.0
Number of long range restraints per residue[1]	10.7

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	79.0	0.2
0.2-0.5 (Medium)	152.4	0.5
>0.5 (Large)	154.8	6.29

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

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

9 Distance violation analysis (i)

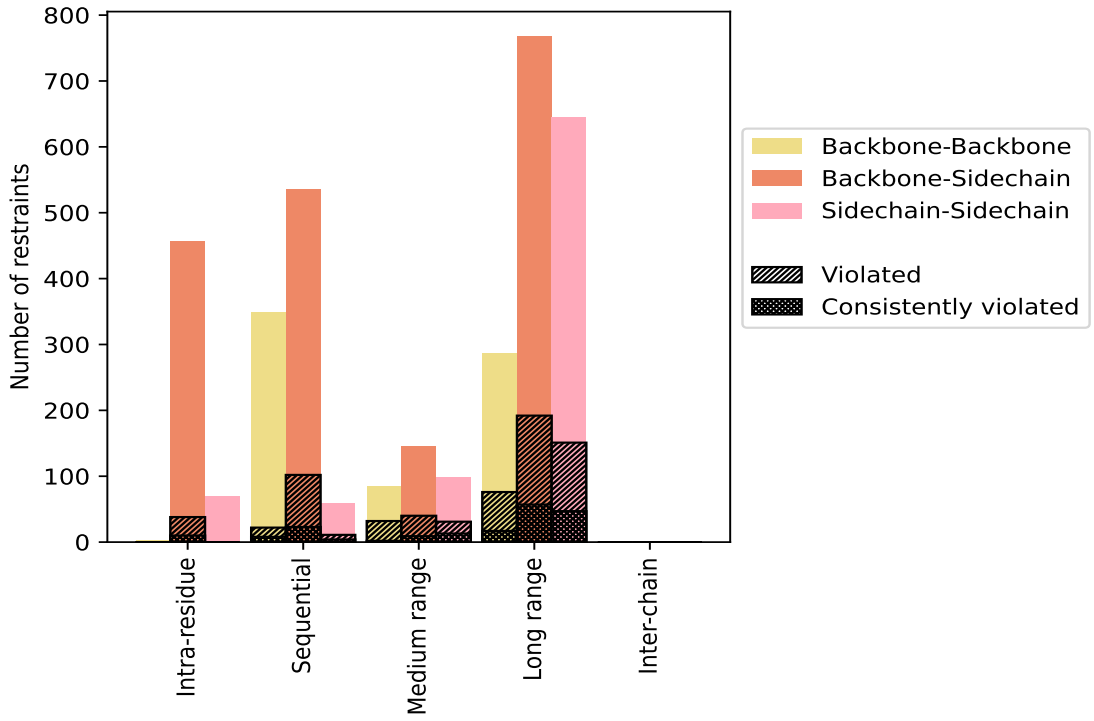
9.1 Summary of distance violations (i)

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

Restraints type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
Intra-residue (|i-j|=0)	530	15.1	38	7.2	1.1	10	1.9	0.3
Backbone-Backbone	3	0.1	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	457	13.1	38	8.3	1.1	10	2.2	0.3
Sidechain-Sidechain	70	2.0	0	0.0	0.0	0	0.0	0.0
Sequential (|i-j|=1)	943	27.0	135	14.3	3.9	35	3.7	1.0
Backbone-Backbone	348	9.9	22	6.3	0.6	8	2.3	0.2
Backbone-Sidechain	536	15.3	102	19.0	2.9	23	4.3	0.7
Sidechain-Sidechain	59	1.7	11	18.6	0.3	4	6.8	0.1
Medium range (|i-j|>1 & |i-j|<5)	328	9.4	103	31.4	2.9	24	7.3	0.7
Backbone-Backbone	84	2.4	32	38.1	0.9	2	2.4	0.1
Backbone-Sidechain	146	4.2	40	27.4	1.1	9	6.2	0.3
Sidechain-Sidechain	98	2.8	31	31.6	0.9	13	13.3	0.4
Long range (|i-j|≥5)	1698	48.5	419	24.7	12.0	121	7.1	3.5
Backbone-Backbone	287	8.2	76	26.5	2.2	17	5.9	0.5
Backbone-Sidechain	767	21.9	192	25.0	5.5	57	7.4	1.6
Sidechain-Sidechain	644	18.4	151	23.4	4.3	47	7.3	1.3
Inter-chain	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Hydrogen bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	3499	100.0	695	19.9	19.9	190	5.4	5.4
Backbone-Backbone	722	20.6	130	18.0	3.7	27	3.7	0.8
Backbone-Sidechain	1906	54.5	372	19.5	10.6	99	5.2	2.8
Sidechain-Sidechain	871	24.9	193	22.2	5.5	64	7.3	1.8

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

9.1.1 Bar chart : Distribution of distance restraints and violations



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

9.2 Distance violation statistics for each model

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
1	16	71	52	240	0	379	0.7	6.29	0.85	0.39
2	23	66	61	238	0	388	0.67	5.48	0.8	0.37
3	19	74	53	245	0	391	0.65	5.31	0.74	0.4
4	19	78	51	243	0	391	0.66	5.32	0.76	0.38
5	22	72	59	240	0	393	0.65	4.98	0.74	0.37
6	19	71	51	254	0	395	0.65	5.04	0.74	0.38
7	16	70	60	244	0	390	0.67	5.35	0.77	0.4
8	22	70	59	258	0	409	0.67	5.58	0.8	0.38
9	17	80	46	227	0	370	0.71	6.17	0.86	0.4
10	21	70	58	232	0	381	0.65	4.93	0.71	0.38

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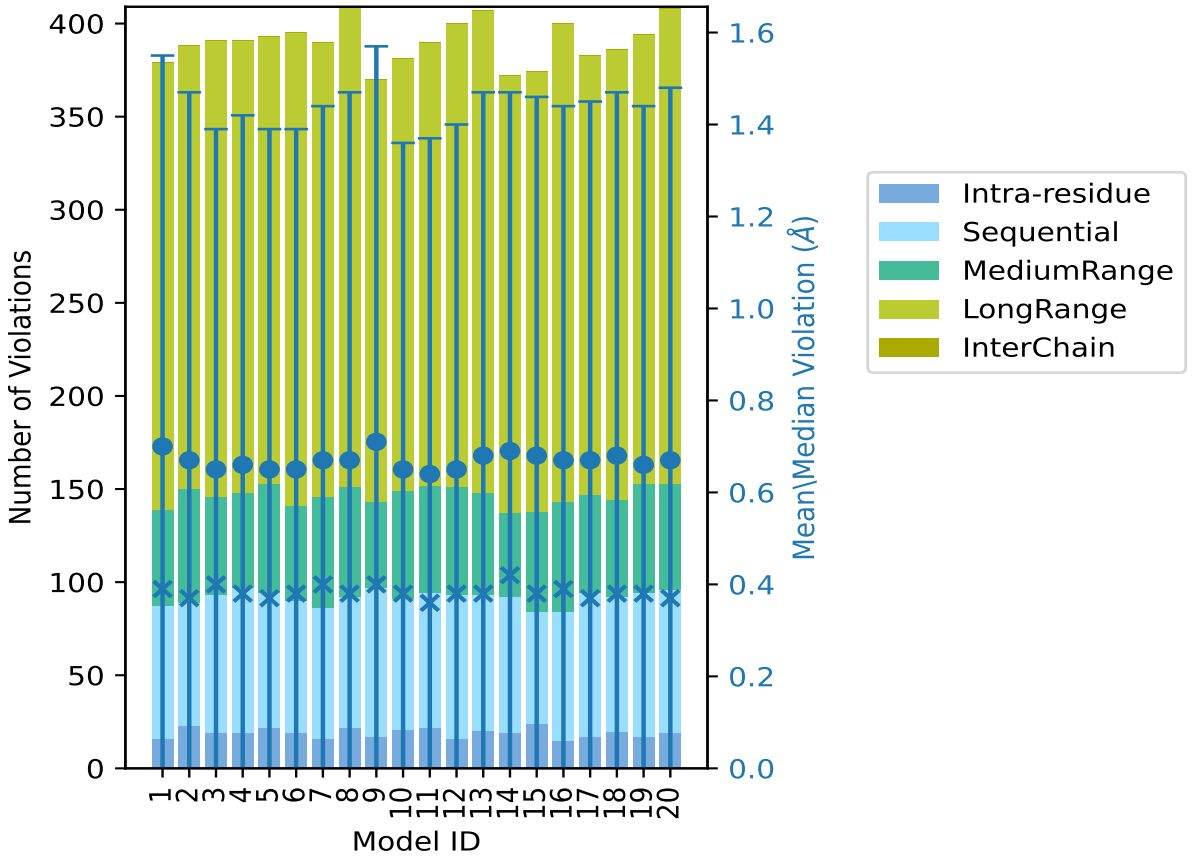
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	22	72	58	238	0	390	0.64	4.86	0.73	0.36
12	16	77	58	249	0	400	0.65	5.24	0.75	0.38
13	20	73	55	259	0	407	0.68	5.21	0.79	0.38
14	19	73	45	235	0	372	0.69	5.36	0.78	0.42
15	24	60	54	236	0	374	0.68	5.13	0.78	0.38
16	15	69	59	257	0	400	0.67	5.35	0.77	0.39
17	17	77	53	236	0	383	0.67	5.21	0.78	0.37
18	20	72	52	242	0	386	0.68	5.4	0.79	0.38
19	17	77	59	241	0	394	0.66	5.21	0.78	0.38
20	19	77	57	255	0	408	0.67	5.52	0.81	0.37

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

9.2.1 Bar graph : Distance Violation statistics for each model



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

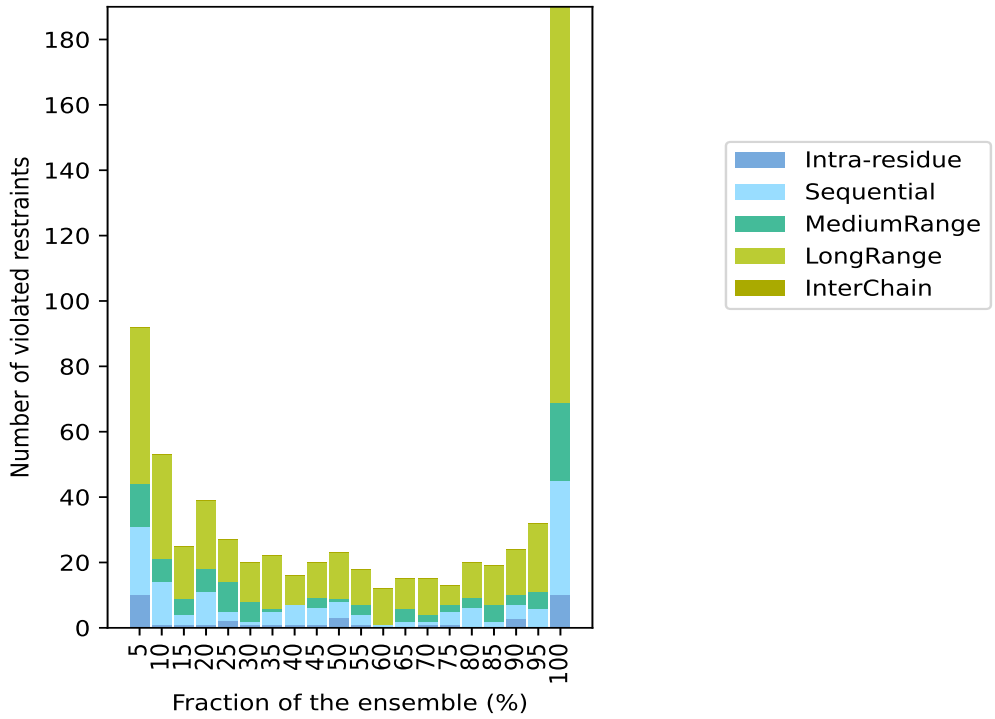
9.3 Distance violation statistics for the ensemble (i)

Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 2804(IR:492, SQ:808, MR:225, LR:1279, IC:0) restraints are not violated in the ensemble.

Number of violated restraints						Fraction of the ensemble	
IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total	Count[6]	%
10	21	13	48	0	92	1	5.0
1	13	7	32	0	53	2	10.0
1	3	5	16	0	25	3	15.0
1	10	7	21	0	39	4	20.0
2	3	9	13	0	27	5	25.0
1	1	6	12	0	20	6	30.0
1	4	1	16	0	22	7	35.0
1	6	0	9	0	16	8	40.0
1	5	3	11	0	20	9	45.0
3	5	1	14	0	23	10	50.0
1	3	3	11	0	18	11	55.0
0	1	0	11	0	12	12	60.0
0	2	4	9	0	15	13	65.0
1	1	2	11	0	15	14	70.0
1	4	2	6	0	13	15	75.0
0	6	3	11	0	20	16	80.0
0	2	5	12	0	19	17	85.0
3	4	3	14	0	24	18	90.0
0	6	5	21	0	32	19	95.0
10	35	24	121	0	190	20	100.0

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

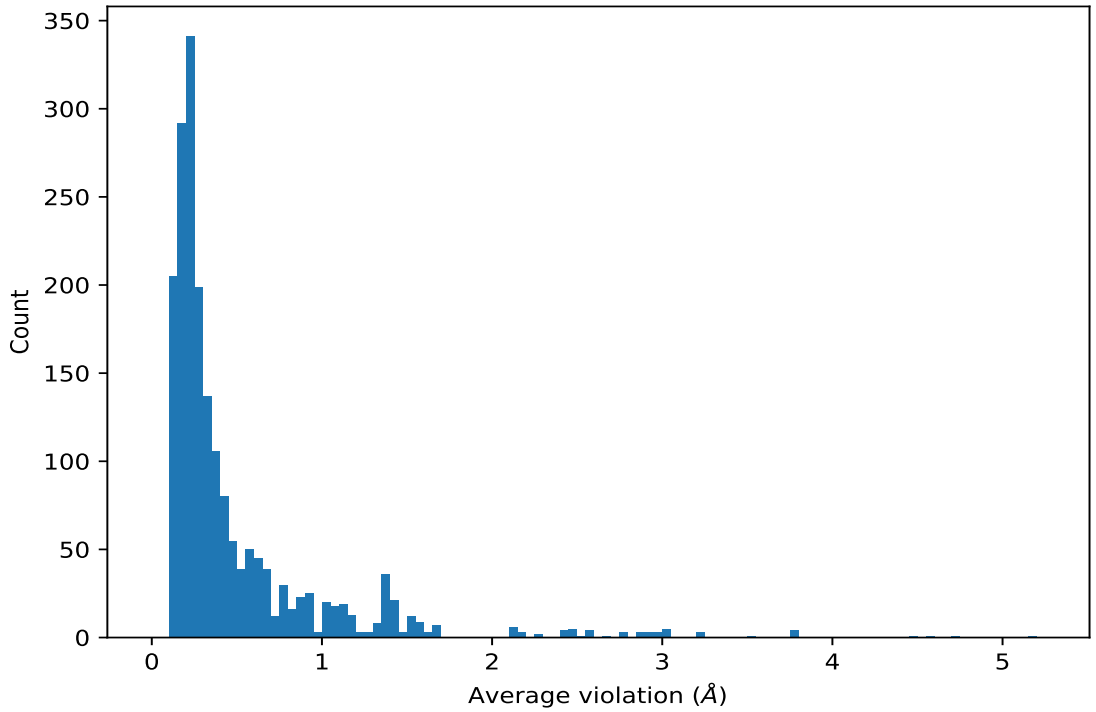
9.3.1 Bar graph : Distance violation statistics for the ensemble



9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance violations

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



9.4.2 Table: Most violated distance restraints

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

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,439)	1:15:A:GLU:HB3	1:155:A:LYS:HB2	20	5.16	0.23	5.21
(1,552)	1:89:A:GLN:HE21	1:149:A:ASN:HD22	20	4.7	0.93	4.88
(1,38)	1:89:A:GLN:HE21	1:149:A:ASN:HD21	20	4.58	0.84	4.7
(1,173)	1:15:A:GLU:HB3	1:155:A:LYS:HA	20	4.49	0.11	4.47
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG2	20	3.8	0.61	3.75
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG3	20	3.8	0.61	3.75
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG2	20	3.8	0.61	3.75
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG3	20	3.8	0.61	3.75
(1,1441)	1:102:A:GLN:HB3	1:136:A:ARG:HE	20	3.52	0.83	3.71
(1,163)	1:19:A:ALA:HB1	1:156:A:VAL:HB	20	3.24	0.36	3.1
(1,163)	1:19:A:ALA:HB2	1:156:A:VAL:HB	20	3.24	0.36	3.1
(1,163)	1:19:A:ALA:HB3	1:156:A:VAL:HB	20	3.24	0.36	3.1
(1,644)	1:15:A:GLU:H	1:155:A:LYS:HA	20	3.02	0.2	3.06
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG2	20	3.01	0.63	3.1
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG3	20	3.01	0.63	3.1
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG2	20	3.01	0.63	3.1

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG3	20	3.01	0.63	3.1
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG21	20	2.97	0.48	2.89
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG22	20	2.97	0.48	2.89
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG23	20	2.97	0.48	2.89
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG21	20	2.94	0.17	2.89
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG22	20	2.94	0.17	2.89
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG23	20	2.94	0.17	2.89
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG21	20	2.85	0.33	2.75
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG22	20	2.85	0.33	2.75
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG23	20	2.85	0.33	2.75
(1,1642)	1:19:A:ALA:HB1	1:158:A:TYR:HA	20	2.75	0.17	2.74
(1,1642)	1:19:A:ALA:HB2	1:158:A:TYR:HA	20	2.75	0.17	2.74
(1,1642)	1:19:A:ALA:HB3	1:158:A:TYR:HA	20	2.75	0.17	2.74
(1,58)	1:153:A:THR:HB	1:155:A:LYS:HG3	20	2.69	0.24	2.61
(1,147)	1:95:A:SER:H	1:148:A:ALA:H	20	2.58	0.14	2.59
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG21	20	2.57	0.24	2.56
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG22	20	2.57	0.24	2.56
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG23	20	2.57	0.24	2.56
(1,440)	1:15:A:GLU:HB2	1:153:A:THR:HA	20	2.55	0.4	2.46
(1,333)	1:15:A:GLU:HA	1:155:A:LYS:HA	20	2.49	0.13	2.49
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG21	20	2.48	0.59	2.71
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG22	20	2.48	0.59	2.71
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG23	20	2.48	0.59	2.71
(1,569)	1:153:A:THR:HB	1:155:A:LYS:HG2	20	2.45	0.41	2.51
(1,1629)	1:156:A:VAL:HG11	1:158:A:TYR:HA	20	2.43	0.16	2.41
(1,1629)	1:156:A:VAL:HG12	1:158:A:TYR:HA	20	2.43	0.16	2.41
(1,1629)	1:156:A:VAL:HG13	1:158:A:TYR:HA	20	2.43	0.16	2.41
(1,2223)	1:16:A:VAL:H	1:155:A:LYS:HB3	20	2.42	0.13	2.43
(1,96)	1:15:A:GLU:HB2	1:154:A:PHE:H	20	2.3	0.32	2.28
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG21	20	2.16	0.12	2.16
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG22	20	2.16	0.12	2.16
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG23	20	2.16	0.12	2.16
(1,3232)	1:68:A:LYS:HB2	1:159:A:GLN:H	20	2.11	0.31	2.06
(1,3232)	1:68:A:LYS:HB3	1:159:A:GLN:H	20	2.11	0.31	2.06
(1,61)	1:13:A:LYS:H	1:15:A:GLU:H	20	2.1	0.07	2.1
(1,73)	1:32:A:VAL:HG11	1:53:A:GLY:H	20	2.1	0.25	2.13
(1,73)	1:32:A:VAL:HG12	1:53:A:GLY:H	20	2.1	0.25	2.13
(1,73)	1:32:A:VAL:HG13	1:53:A:GLY:H	20	2.1	0.25	2.13
(1,108)	1:34:A:LEU:HD11	1:150:A:ALA:H	20	1.7	0.15	1.7
(1,108)	1:34:A:LEU:HD12	1:150:A:ALA:H	20	1.7	0.15	1.7
(1,108)	1:34:A:LEU:HD13	1:150:A:ALA:H	20	1.7	0.15	1.7
(1,532)	1:17:A:VAL:HG21	1:19:A:ALA:HA	20	1.67	0.2	1.63

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,532)	1:17:A:VAL:HG22	1:19:A:ALA:HA	20	1.67	0.2	1.63
(1,532)	1:17:A:VAL:HG23	1:19:A:ALA:HA	20	1.67	0.2	1.63
(1,900)	1:86:A:LEU:HD11	1:101:A:VAL:HB	20	1.6	0.1	1.6
(1,900)	1:86:A:LEU:HD12	1:101:A:VAL:HB	20	1.6	0.1	1.6
(1,900)	1:86:A:LEU:HD13	1:101:A:VAL:HB	20	1.6	0.1	1.6
(1,901)	1:86:A:LEU:HD21	1:150:A:ALA:H	20	1.59	0.11	1.6
(1,901)	1:86:A:LEU:HD22	1:150:A:ALA:H	20	1.59	0.11	1.6
(1,901)	1:86:A:LEU:HD23	1:150:A:ALA:H	20	1.59	0.11	1.6
(1,1178)	1:101:A:VAL:HG11	1:136:A:ARG:H	20	1.58	0.1	1.58
(1,1178)	1:101:A:VAL:HG12	1:136:A:ARG:H	20	1.58	0.1	1.58
(1,1178)	1:101:A:VAL:HG13	1:136:A:ARG:H	20	1.58	0.1	1.58
(1,2210)	1:156:A:VAL:HG11	1:158:A:TYR:H	20	1.57	0.14	1.54
(1,2210)	1:156:A:VAL:HG12	1:158:A:TYR:H	20	1.57	0.14	1.54
(1,2210)	1:156:A:VAL:HG13	1:158:A:TYR:H	20	1.57	0.14	1.54
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG21	20	1.54	0.22	1.56
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG22	20	1.54	0.22	1.56
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG23	20	1.54	0.22	1.56
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG21	20	1.54	0.22	1.56
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG22	20	1.54	0.22	1.56
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG23	20	1.54	0.22	1.56
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD2	20	1.54	0.47	1.62
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD3	20	1.54	0.47	1.62
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD2	20	1.54	0.47	1.62
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD3	20	1.54	0.47	1.62
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD2	20	1.54	0.47	1.62
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD3	20	1.54	0.47	1.62
(1,966)	1:32:A:VAL:HG11	1:54:A:PHE:HA	20	1.48	0.33	1.48
(1,966)	1:32:A:VAL:HG12	1:54:A:PHE:HA	20	1.48	0.33	1.48
(1,966)	1:32:A:VAL:HG13	1:54:A:PHE:HA	20	1.48	0.33	1.48
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG21	20	1.43	0.02	1.44
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG22	20	1.43	0.02	1.44
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG23	20	1.43	0.02	1.44
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG11	20	1.43	0.12	1.42
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG12	20	1.43	0.12	1.42
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG13	20	1.43	0.12	1.42
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB1	20	1.43	0.18	1.42
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB2	20	1.43	0.18	1.42
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB3	20	1.43	0.18	1.42
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB1	20	1.43	0.18	1.42
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB2	20	1.43	0.18	1.42
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB3	20	1.43	0.18	1.42
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB1	20	1.43	0.18	1.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB2	20	1.43	0.18	1.42
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB3	20	1.43	0.18	1.42
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG21	20	1.41	0.26	1.43
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG22	20	1.41	0.26	1.43
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG23	20	1.41	0.26	1.43
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG21	20	1.41	0.26	1.43
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG22	20	1.41	0.26	1.43
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG23	20	1.41	0.26	1.43
(1,685)	1:101:A:VAL:HG11	1:135:A:ALA:HA	20	1.39	0.11	1.38
(1,685)	1:101:A:VAL:HG12	1:135:A:ALA:HA	20	1.39	0.11	1.38
(1,685)	1:101:A:VAL:HG13	1:135:A:ALA:HA	20	1.39	0.11	1.38
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB2	20	1.38	0.17	1.42
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB3	20	1.38	0.17	1.42
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG21	20	1.35	0.25	1.38
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG22	20	1.35	0.25	1.38
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG23	20	1.35	0.25	1.38
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG21	20	1.35	0.25	1.38
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG22	20	1.35	0.25	1.38
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG23	20	1.35	0.25	1.38
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG21	20	1.35	0.25	1.38
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG22	20	1.35	0.25	1.38
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG23	20	1.35	0.25	1.38
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG21	20	1.35	0.02	1.36
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG22	20	1.35	0.02	1.36
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG23	20	1.35	0.02	1.36
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB1	20	1.35	0.13	1.36
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB2	20	1.35	0.13	1.36
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB3	20	1.35	0.13	1.36
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB1	20	1.35	0.13	1.36
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB2	20	1.35	0.13	1.36
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB3	20	1.35	0.13	1.36
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB1	20	1.35	0.13	1.36
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB2	20	1.35	0.13	1.36
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB3	20	1.35	0.13	1.36
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG21	20	1.35	0.17	1.44
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG22	20	1.35	0.17	1.44
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG23	20	1.35	0.17	1.44
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG21	20	1.35	0.17	1.44
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG22	20	1.35	0.17	1.44
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG23	20	1.35	0.17	1.44
(1,1080)	1:23:A:VAL:H	1:58:A:LEU:HB2	20	1.33	0.04	1.33
(1,266)	1:12:A:PHE:HA	1:14:A:GLY:H	20	1.32	0.07	1.33

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2912)	1:16:A:VAL:HG11	1:156:A:VAL:HB	20	1.32	0.1	1.34
(1,2912)	1:16:A:VAL:HG12	1:156:A:VAL:HB	20	1.32	0.1	1.34
(1,2912)	1:16:A:VAL:HG13	1:156:A:VAL:HB	20	1.32	0.1	1.34
(1,2912)	1:16:A:VAL:HG21	1:156:A:VAL:HB	20	1.32	0.1	1.34
(1,2912)	1:16:A:VAL:HG22	1:156:A:VAL:HB	20	1.32	0.1	1.34
(1,2912)	1:16:A:VAL:HG23	1:156:A:VAL:HB	20	1.32	0.1	1.34
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG11	20	1.28	0.07	1.3
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG12	20	1.28	0.07	1.3
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG13	20	1.28	0.07	1.3
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG21	20	1.24	0.18	1.25
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG22	20	1.24	0.18	1.25
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG23	20	1.24	0.18	1.25
(1,577)	1:20:A:ALA:HB1	1:124:A:LEU:HB2	20	1.18	0.11	1.19
(1,577)	1:20:A:ALA:HB2	1:124:A:LEU:HB2	20	1.18	0.11	1.19
(1,577)	1:20:A:ALA:HB3	1:124:A:LEU:HB2	20	1.18	0.11	1.19
(1,838)	1:19:A:ALA:HB1	1:158:A:TYR:H	20	1.16	0.22	1.18
(1,838)	1:19:A:ALA:HB2	1:158:A:TYR:H	20	1.16	0.22	1.18
(1,838)	1:19:A:ALA:HB3	1:158:A:TYR:H	20	1.16	0.22	1.18
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG21	20	1.15	0.02	1.15
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG22	20	1.15	0.02	1.15
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG23	20	1.15	0.02	1.15
(1,1436)	1:101:A:VAL:HG21	1:150:A:ALA:H	20	1.15	0.15	1.14
(1,1436)	1:101:A:VAL:HG22	1:150:A:ALA:H	20	1.15	0.15	1.14
(1,1436)	1:101:A:VAL:HG23	1:150:A:ALA:H	20	1.15	0.15	1.14
(1,2854)	1:10:A:VAL:HG11	1:32:A:VAL:HB	20	1.15	0.14	1.14
(1,2854)	1:10:A:VAL:HG12	1:32:A:VAL:HB	20	1.15	0.14	1.14
(1,2854)	1:10:A:VAL:HG13	1:32:A:VAL:HB	20	1.15	0.14	1.14
(1,2854)	1:10:A:VAL:HG21	1:32:A:VAL:HB	20	1.15	0.14	1.14
(1,2854)	1:10:A:VAL:HG22	1:32:A:VAL:HB	20	1.15	0.14	1.14
(1,2854)	1:10:A:VAL:HG23	1:32:A:VAL:HB	20	1.15	0.14	1.14
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG21	20	1.12	0.24	1.11
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG22	20	1.12	0.24	1.11
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG23	20	1.12	0.24	1.11
(1,1681)	1:32:A:VAL:HG11	1:52:A:VAL:HB	20	1.12	0.24	1.12
(1,1681)	1:32:A:VAL:HG12	1:52:A:VAL:HB	20	1.12	0.24	1.12
(1,1681)	1:32:A:VAL:HG13	1:52:A:VAL:HB	20	1.12	0.24	1.12
(1,898)	1:86:A:LEU:H	1:101:A:VAL:HB	20	1.1	0.07	1.09
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG11	20	1.09	0.09	1.1
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG12	20	1.09	0.09	1.1
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG13	20	1.09	0.09	1.1
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG21	20	1.09	0.09	1.1
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG22	20	1.09	0.09	1.1

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG23	20	1.09	0.09	1.1
(1,1613)	1:14:A:GLY:H	1:154:A:PHE:H	20	1.06	0.26	1.03
(1,419)	1:56:A:ILE:H	1:133:A:PHE:HB3	20	1.06	0.15	1.06
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB1	20	1.05	0.17	0.98
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB2	20	1.05	0.17	0.98
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB3	20	1.05	0.17	0.98
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB1	20	1.05	0.17	0.98
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB2	20	1.05	0.17	0.98
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB3	20	1.05	0.17	0.98
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB1	20	1.05	0.17	0.98
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB2	20	1.05	0.17	0.98
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB3	20	1.05	0.17	0.98
(1,949)	1:14:A:GLY:HA3	1:155:A:LYS:HA	20	1.04	0.35	1.08
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG11	20	1.02	0.1	1.03
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG12	20	1.02	0.1	1.03
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG13	20	1.02	0.1	1.03
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG11	20	1.02	0.1	1.03
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG12	20	1.02	0.1	1.03
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG13	20	1.02	0.1	1.03
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG11	20	1.02	0.1	1.03
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG12	20	1.02	0.1	1.03
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG13	20	1.02	0.1	1.03
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG11	20	1.02	0.1	1.03
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG12	20	1.02	0.1	1.03
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG13	20	1.02	0.1	1.03
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG11	20	1.02	0.1	1.03
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG12	20	1.02	0.1	1.03
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG13	20	1.02	0.1	1.03
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG11	20	1.02	0.1	1.03
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG12	20	1.02	0.1	1.03
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG13	20	1.02	0.1	1.03
(1,1408)	1:8:A:GLY:HA2	1:34:A:LEU:HB3	20	1.01	0.15	0.99
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG21	20	0.96	0.22	0.98
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG22	20	0.96	0.22	0.98
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG23	20	0.96	0.22	0.98
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD1	20	0.95	0.16	0.98
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD2	20	0.95	0.16	0.98
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD1	20	0.95	0.16	0.98
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD2	20	0.95	0.16	0.98
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD1	20	0.95	0.16	0.98
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD2	20	0.95	0.16	0.98
(1,1198)	1:10:A:VAL:HB	1:150:A:ALA:H	20	0.94	0.17	0.96

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB1	20	0.93	0.09	0.9
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB2	20	0.93	0.09	0.9
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB3	20	0.93	0.09	0.9
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB1	20	0.93	0.09	0.9
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB2	20	0.93	0.09	0.9
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB3	20	0.93	0.09	0.9
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB1	20	0.93	0.09	0.9
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB2	20	0.93	0.09	0.9
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB3	20	0.93	0.09	0.9
(1,2904)	1:16:A:VAL:HG11	1:23:A:VAL:HB	20	0.92	0.13	0.98
(1,2904)	1:16:A:VAL:HG12	1:23:A:VAL:HB	20	0.92	0.13	0.98
(1,2904)	1:16:A:VAL:HG13	1:23:A:VAL:HB	20	0.92	0.13	0.98
(1,2904)	1:16:A:VAL:HG21	1:23:A:VAL:HB	20	0.92	0.13	0.98
(1,2904)	1:16:A:VAL:HG22	1:23:A:VAL:HB	20	0.92	0.13	0.98
(1,2904)	1:16:A:VAL:HG23	1:23:A:VAL:HB	20	0.92	0.13	0.98
(1,1628)	1:156:A:VAL:HG11	1:157:A:GLN:HA	20	0.89	0.07	0.9
(1,1628)	1:156:A:VAL:HG12	1:157:A:GLN:HA	20	0.89	0.07	0.9
(1,1628)	1:156:A:VAL:HG13	1:157:A:GLN:HA	20	0.89	0.07	0.9
(1,1630)	1:157:A:GLN:HA	1:158:A:TYR:HB2	20	0.89	0.05	0.9
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG11	20	0.87	0.09	0.89
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG12	20	0.87	0.09	0.89
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG13	20	0.87	0.09	0.89
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG11	20	0.87	0.09	0.89
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG12	20	0.87	0.09	0.89
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG13	20	0.87	0.09	0.89
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG11	20	0.87	0.09	0.89
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG12	20	0.87	0.09	0.89
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG13	20	0.87	0.09	0.89
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB1	20	0.87	0.29	0.84
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB2	20	0.87	0.29	0.84
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB3	20	0.87	0.29	0.84
(1,1438)	1:101:A:VAL:HG11	1:102:A:GLN:H	20	0.87	0.04	0.87
(1,1438)	1:101:A:VAL:HG12	1:102:A:GLN:H	20	0.87	0.04	0.87
(1,1438)	1:101:A:VAL:HG13	1:102:A:GLN:H	20	0.87	0.04	0.87
(1,217)	1:3:A:THR:HB	1:145:A:PRO:HB2	20	0.87	0.26	0.92
(1,772)	1:86:A:LEU:HB2	1:101:A:VAL:HB	20	0.84	0.09	0.83
(1,772)	1:86:A:LEU:HB3	1:101:A:VAL:HB	20	0.84	0.09	0.83
(1,2226)	1:16:A:VAL:HA	1:156:A:VAL:H	20	0.83	0.11	0.84
(1,1989)	1:102:A:GLN:HB3	1:136:A:ARG:H	20	0.83	0.21	0.82
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB1	20	0.83	0.09	0.82
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB2	20	0.83	0.09	0.82
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB3	20	0.83	0.09	0.82

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2976)	1:27:A:SER:HB2	1:28:A:VAL:HB	20	0.82	0.27	0.95
(1,2976)	1:27:A:SER:HB3	1:28:A:VAL:HB	20	0.82	0.27	0.95
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB1	20	0.81	0.08	0.81
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB2	20	0.81	0.08	0.81
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB3	20	0.81	0.08	0.81
(1,916)	1:101:A:VAL:HG11	1:137:A:TYR:HA	20	0.8	0.08	0.82
(1,916)	1:101:A:VAL:HG12	1:137:A:TYR:HA	20	0.8	0.08	0.82
(1,916)	1:101:A:VAL:HG13	1:137:A:TYR:HA	20	0.8	0.08	0.82
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB1	20	0.79	0.19	0.77
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB2	20	0.79	0.19	0.77
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB3	20	0.79	0.19	0.77
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB1	20	0.79	0.19	0.77
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB2	20	0.79	0.19	0.77
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB3	20	0.79	0.19	0.77
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB1	20	0.79	0.19	0.77
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB2	20	0.79	0.19	0.77
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB3	20	0.79	0.19	0.77
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB1	20	0.79	0.19	0.77
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB2	20	0.79	0.19	0.77
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB3	20	0.79	0.19	0.77
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB1	20	0.79	0.19	0.77
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB2	20	0.79	0.19	0.77
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB3	20	0.79	0.19	0.77
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB1	20	0.79	0.19	0.77
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB2	20	0.79	0.19	0.77
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB3	20	0.79	0.19	0.77
(1,409)	1:158:A:TYR:HB3	1:159:A:GLN:H	20	0.79	0.12	0.82
(1,2041)	1:10:A:VAL:H	1:32:A:VAL:HB	20	0.77	0.18	0.75
(1,229)	1:22:A:ALA:HA	1:58:A:LEU:HB3	20	0.77	0.1	0.75
(1,1680)	1:32:A:VAL:HG11	1:33:A:GLN:H	20	0.76	0.12	0.79
(1,1680)	1:32:A:VAL:HG12	1:33:A:GLN:H	20	0.76	0.12	0.79
(1,1680)	1:32:A:VAL:HG13	1:33:A:GLN:H	20	0.76	0.12	0.79
(1,37)	1:20:A:ALA:HB1	1:65:A:VAL:HB	20	0.76	0.06	0.75
(1,37)	1:20:A:ALA:HB2	1:65:A:VAL:HB	20	0.76	0.06	0.75
(1,37)	1:20:A:ALA:HB3	1:65:A:VAL:HB	20	0.76	0.06	0.75
(1,2903)	1:16:A:VAL:HG11	1:23:A:VAL:H	20	0.73	0.15	0.78
(1,2903)	1:16:A:VAL:HG12	1:23:A:VAL:H	20	0.73	0.15	0.78
(1,2903)	1:16:A:VAL:HG13	1:23:A:VAL:H	20	0.73	0.15	0.78
(1,2903)	1:16:A:VAL:HG21	1:23:A:VAL:H	20	0.73	0.15	0.78
(1,2903)	1:16:A:VAL:HG22	1:23:A:VAL:H	20	0.73	0.15	0.78
(1,2903)	1:16:A:VAL:HG23	1:23:A:VAL:H	20	0.73	0.15	0.78
(1,1563)	1:12:A:PHE:HB3	1:14:A:GLY:H	20	0.73	0.11	0.75

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,866)	1:56:A:ILE:H	1:133:A:PHE:HB2	20	0.72	0.15	0.7
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG21	20	0.71	0.06	0.71
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG22	20	0.71	0.06	0.71
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG23	20	0.71	0.06	0.71
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD2	20	0.7	0.17	0.78
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD3	20	0.7	0.17	0.78
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB2	20	0.69	0.22	0.68
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB3	20	0.69	0.22	0.68
(1,1636)	1:16:A:VAL:HA	1:17:A:VAL:H	20	0.68	0.02	0.69
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB1	20	0.67	0.14	0.66
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB2	20	0.67	0.14	0.66
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB3	20	0.67	0.14	0.66
(1,759)	1:66:A:ALA:HB1	1:159:A:GLN:H	20	0.67	0.06	0.68
(1,759)	1:66:A:ALA:HB2	1:159:A:GLN:H	20	0.67	0.06	0.68
(1,759)	1:66:A:ALA:HB3	1:159:A:GLN:H	20	0.67	0.06	0.68
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG11	20	0.67	0.04	0.68
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG12	20	0.67	0.04	0.68
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG13	20	0.67	0.04	0.68
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG11	20	0.67	0.04	0.68
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG12	20	0.67	0.04	0.68
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG13	20	0.67	0.04	0.68
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG11	20	0.67	0.04	0.68
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG12	20	0.67	0.04	0.68
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG13	20	0.67	0.04	0.68
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE1	20	0.67	0.08	0.67
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE2	20	0.67	0.08	0.67
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE1	20	0.67	0.08	0.67
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE2	20	0.67	0.08	0.67
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE1	20	0.67	0.08	0.67
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE2	20	0.67	0.08	0.67
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE1	20	0.67	0.08	0.67
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE2	20	0.67	0.08	0.67
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE1	20	0.67	0.08	0.67
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE2	20	0.67	0.08	0.67
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE1	20	0.67	0.08	0.67
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE2	20	0.67	0.08	0.67
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG21	20	0.66	0.08	0.66
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG22	20	0.66	0.08	0.66
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG23	20	0.66	0.08	0.66
(1,1396)	1:7:A:GLY:HA3	1:37:A:VAL:H	20	0.64	0.11	0.65
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG11	20	0.64	0.07	0.64
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG12	20	0.64	0.07	0.64

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG13	20	0.64	0.07	0.64
(1,2240)	1:20:A:ALA:HA	1:65:A:VAL:HB	20	0.63	0.2	0.66
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE1	20	0.63	0.08	0.64
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE2	20	0.63	0.08	0.64
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE1	20	0.63	0.08	0.64
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE2	20	0.63	0.08	0.64
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE1	20	0.63	0.08	0.64
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE2	20	0.63	0.08	0.64
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD1	20	0.62	0.1	0.64
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD2	20	0.62	0.1	0.64
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD1	20	0.62	0.12	0.61
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD2	20	0.62	0.12	0.61
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD1	20	0.62	0.12	0.61
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD2	20	0.62	0.12	0.61
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD1	20	0.62	0.12	0.61
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD2	20	0.62	0.12	0.61
(1,36)	1:137:A:TYR:HD1	1:148:A:ALA:HA	20	0.62	0.17	0.62
(1,36)	1:137:A:TYR:HD2	1:148:A:ALA:HA	20	0.62	0.17	0.62
(1,782)	1:97:A:THR:HA	1:99:A:VAL:HB	20	0.62	0.13	0.58
(1,139)	1:95:A:SER:H	1:147:A:ALA:H	20	0.6	0.08	0.58
(1,856)	1:3:A:THR:HB	1:4:A:THR:HA	20	0.59	0.04	0.6
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD1	20	0.58	0.22	0.61
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD2	20	0.58	0.22	0.61
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD1	20	0.58	0.22	0.61
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD2	20	0.58	0.22	0.61
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD11	20	0.58	0.12	0.59
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD12	20	0.58	0.12	0.59
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD13	20	0.58	0.12	0.59
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD11	20	0.58	0.12	0.59
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD12	20	0.58	0.12	0.59
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD13	20	0.58	0.12	0.59
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD11	20	0.58	0.12	0.59
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD12	20	0.58	0.12	0.59
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD13	20	0.58	0.12	0.59
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD11	20	0.58	0.12	0.59
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD12	20	0.58	0.12	0.59
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD13	20	0.58	0.12	0.59
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD11	20	0.58	0.12	0.59
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD12	20	0.58	0.12	0.59
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD13	20	0.58	0.12	0.59
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD11	20	0.58	0.12	0.59
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD12	20	0.58	0.12	0.59

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD13	20	0.58	0.12	0.59
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB1	20	0.58	0.05	0.58
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB2	20	0.58	0.05	0.58
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB3	20	0.58	0.05	0.58
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG21	20	0.57	0.15	0.59
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG22	20	0.57	0.15	0.59
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG23	20	0.57	0.15	0.59
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG21	20	0.57	0.15	0.59
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG22	20	0.57	0.15	0.59
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG23	20	0.57	0.15	0.59
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG21	20	0.57	0.06	0.58
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG22	20	0.57	0.06	0.58
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG23	20	0.57	0.06	0.58
(1,241)	1:6:A:ASN:HA	1:146:A:GLY:H	20	0.54	0.05	0.54
(1,1688)	1:34:A:LEU:HD21	1:136:A:ARG:H	20	0.54	0.11	0.52
(1,1688)	1:34:A:LEU:HD22	1:136:A:ARG:H	20	0.54	0.11	0.52
(1,1688)	1:34:A:LEU:HD23	1:136:A:ARG:H	20	0.54	0.11	0.52
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD1	20	0.54	0.02	0.54
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD2	20	0.54	0.02	0.54
(1,2312)	1:32:A:VAL:HG11	1:52:A:VAL:H	20	0.53	0.19	0.55
(1,2312)	1:32:A:VAL:HG12	1:52:A:VAL:H	20	0.53	0.19	0.55
(1,2312)	1:32:A:VAL:HG13	1:52:A:VAL:H	20	0.53	0.19	0.55
(1,330)	1:131:A:ILE:HG21	1:133:A:PHE:HB2	20	0.53	0.09	0.53
(1,330)	1:131:A:ILE:HG22	1:133:A:PHE:HB2	20	0.53	0.09	0.53
(1,330)	1:131:A:ILE:HG23	1:133:A:PHE:HB2	20	0.53	0.09	0.53
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG11	20	0.52	0.11	0.52
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG12	20	0.52	0.11	0.52
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG13	20	0.52	0.11	0.52
(1,307)	1:158:A:TYR:HA	1:159:A:GLN:H	20	0.51	0.05	0.51
(1,76)	1:69:A:ALA:HA	1:159:A:GLN:H	20	0.51	0.16	0.52
(1,63)	1:20:A:ALA:HB1	1:63:A:THR:H	20	0.51	0.2	0.45
(1,63)	1:20:A:ALA:HB2	1:63:A:THR:H	20	0.51	0.2	0.45
(1,63)	1:20:A:ALA:HB3	1:63:A:THR:H	20	0.51	0.2	0.45
(1,269)	1:34:A:LEU:HA	1:52:A:VAL:HA	20	0.51	0.19	0.54
(1,517)	1:88:A:LEU:HD21	1:149:A:ASN:H	20	0.51	0.19	0.54
(1,517)	1:88:A:LEU:HD22	1:149:A:ASN:H	20	0.51	0.19	0.54
(1,517)	1:88:A:LEU:HD23	1:149:A:ASN:H	20	0.51	0.19	0.54
(1,425)	1:74:A:LEU:HD21	1:153:A:THR:HB	20	0.5	0.14	0.5
(1,425)	1:74:A:LEU:HD22	1:153:A:THR:HB	20	0.5	0.14	0.5
(1,425)	1:74:A:LEU:HD23	1:153:A:THR:HB	20	0.5	0.14	0.5
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD11	20	0.49	0.06	0.52
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD12	20	0.49	0.06	0.52

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD13	20	0.49	0.06	0.52
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE1	20	0.48	0.12	0.51
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE2	20	0.48	0.12	0.51
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE1	20	0.48	0.12	0.51
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE2	20	0.48	0.12	0.51
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE1	20	0.48	0.12	0.51
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE2	20	0.48	0.12	0.51
(1,834)	1:15:A:GLU:H	1:15:A:GLU:HB3	20	0.48	0.02	0.49
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG11	20	0.47	0.1	0.5
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG12	20	0.47	0.1	0.5
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG13	20	0.47	0.1	0.5
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG21	20	0.47	0.1	0.5
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG22	20	0.47	0.1	0.5
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG23	20	0.47	0.1	0.5
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB1	20	0.47	0.13	0.46
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB2	20	0.47	0.13	0.46
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB3	20	0.47	0.13	0.46
(1,571)	1:15:A:GLU:H	1:15:A:GLU:HB2	20	0.46	0.06	0.48
(1,220)	1:70:A:ALA:H	1:121:A:GLU:HA	20	0.46	0.14	0.44
(1,3389)	1:99:A:VAL:HG11	1:137:A:TYR:HA	20	0.45	0.11	0.47
(1,3389)	1:99:A:VAL:HG12	1:137:A:TYR:HA	20	0.45	0.11	0.47
(1,3389)	1:99:A:VAL:HG13	1:137:A:TYR:HA	20	0.45	0.11	0.47
(1,3389)	1:99:A:VAL:HG21	1:137:A:TYR:HA	20	0.45	0.11	0.47
(1,3389)	1:99:A:VAL:HG22	1:137:A:TYR:HA	20	0.45	0.11	0.47
(1,3389)	1:99:A:VAL:HG23	1:137:A:TYR:HA	20	0.45	0.11	0.47
(1,293)	1:16:A:VAL:HA	1:155:A:LYS:HA	20	0.45	0.11	0.47
(1,2705)	1:86:A:LEU:HD21	1:101:A:VAL:H	20	0.45	0.09	0.48
(1,2705)	1:86:A:LEU:HD22	1:101:A:VAL:H	20	0.45	0.09	0.48
(1,2705)	1:86:A:LEU:HD23	1:101:A:VAL:H	20	0.45	0.09	0.48
(1,1085)	1:34:A:LEU:HA	1:52:A:VAL:HB	20	0.45	0.16	0.42
(1,509)	1:70:A:ALA:HA	1:71:A:VAL:HB	20	0.44	0.03	0.45
(1,1289)	1:32:A:VAL:HG21	1:55:A:ASN:H	20	0.44	0.17	0.42
(1,1289)	1:32:A:VAL:HG22	1:55:A:ASN:H	20	0.44	0.17	0.42
(1,1289)	1:32:A:VAL:HG23	1:55:A:ASN:H	20	0.44	0.17	0.42
(1,3024)	1:34:A:LEU:HD11	1:150:A:ALA:H	20	0.43	0.14	0.42
(1,3024)	1:34:A:LEU:HD12	1:150:A:ALA:H	20	0.43	0.14	0.42
(1,3024)	1:34:A:LEU:HD13	1:150:A:ALA:H	20	0.43	0.14	0.42
(1,3024)	1:34:A:LEU:HD21	1:150:A:ALA:H	20	0.43	0.14	0.42
(1,3024)	1:34:A:LEU:HD22	1:150:A:ALA:H	20	0.43	0.14	0.42
(1,3024)	1:34:A:LEU:HD23	1:150:A:ALA:H	20	0.43	0.14	0.42
(1,1076)	1:155:A:LYS:HB3	1:156:A:VAL:H	20	0.43	0.02	0.43
(1,2503)	1:5:A:VAL:HG21	1:39:A:THR:HA	20	0.43	0.16	0.47

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2503)	1:5:A:VAL:HG22	1:39:A:THR:HA	20	0.43	0.16	0.47
(1,2503)	1:5:A:VAL:HG23	1:39:A:THR:HA	20	0.43	0.16	0.47
(1,1257)	1:158:A:TYR:H	1:158:A:TYR:HB2	20	0.42	0.09	0.42
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE1	20	0.41	0.1	0.4
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE2	20	0.41	0.1	0.4
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE1	20	0.41	0.1	0.4
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE2	20	0.41	0.1	0.4
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE1	20	0.41	0.1	0.4
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE2	20	0.41	0.1	0.4
(1,39)	1:100:A:GLY:H	1:139:A:ALA:H	20	0.41	0.08	0.44
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD1	20	0.39	0.1	0.38
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD2	20	0.39	0.1	0.38
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD1	20	0.39	0.1	0.38
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD2	20	0.39	0.1	0.38
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD1	20	0.39	0.1	0.38
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD2	20	0.39	0.1	0.38
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG21	20	0.39	0.12	0.42
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG22	20	0.39	0.12	0.42
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG23	20	0.39	0.12	0.42
(1,1000)	1:6:A:ASN:H	1:6:A:ASN:HB2	20	0.39	0.03	0.4
(1,877)	1:65:A:VAL:HB	1:66:A:ALA:H	20	0.39	0.08	0.38
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG21	20	0.37	0.04	0.38
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG22	20	0.37	0.04	0.38
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG23	20	0.37	0.04	0.38
(1,1280)	1:27:A:SER:H	1:28:A:VAL:HB	20	0.37	0.12	0.4
(1,2709)	1:87:A:ALA:HA	1:88:A:LEU:HG	20	0.37	0.06	0.38
(1,1322)	1:4:A:THR:HG21	1:36:A:GLN:HG3	20	0.37	0.1	0.35
(1,1322)	1:4:A:THR:HG22	1:36:A:GLN:HG3	20	0.37	0.1	0.35
(1,1322)	1:4:A:THR:HG23	1:36:A:GLN:HG3	20	0.37	0.1	0.35
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD21	20	0.36	0.15	0.31
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD22	20	0.36	0.15	0.31
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD23	20	0.36	0.15	0.31
(1,725)	1:19:A:ALA:HB1	1:21:A:CYS:H	20	0.35	0.08	0.34
(1,725)	1:19:A:ALA:HB2	1:21:A:CYS:H	20	0.35	0.08	0.34
(1,725)	1:19:A:ALA:HB3	1:21:A:CYS:H	20	0.35	0.08	0.34
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD11	20	0.34	0.03	0.34
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD12	20	0.34	0.03	0.34
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD13	20	0.34	0.03	0.34
(1,494)	1:19:A:ALA:HA	1:20:A:ALA:H	20	0.34	0.02	0.34
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG21	20	0.33	0.09	0.36
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG22	20	0.33	0.09	0.36
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG23	20	0.33	0.09	0.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1634)	1:16:A:VAL:H	1:155:A:LYS:HA	20	0.33	0.11	0.33
(1,1580)	1:138:A:PHE:H	1:139:A:ALA:H	20	0.32	0.04	0.32
(1,1590)	1:13:A:LYS:H	1:14:A:GLY:H	20	0.32	0.03	0.33
(1,928)	1:116:A:ALA:HA	1:117:A:THR:HB	20	0.32	0.07	0.33
(1,372)	1:71:A:VAL:H	1:71:A:VAL:HB	20	0.32	0.01	0.32
(1,830)	1:14:A:GLY:HA2	1:15:A:GLU:HA	20	0.31	0.07	0.33
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG11	20	0.3	0.06	0.32
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG12	20	0.3	0.06	0.32
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG13	20	0.3	0.06	0.32
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG21	20	0.3	0.06	0.32
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG22	20	0.3	0.06	0.32
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG23	20	0.3	0.06	0.32
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG11	20	0.3	0.06	0.32
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG12	20	0.3	0.06	0.32
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG13	20	0.3	0.06	0.32
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG21	20	0.3	0.06	0.32
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG22	20	0.3	0.06	0.32
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG23	20	0.3	0.06	0.32
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG11	20	0.3	0.06	0.32
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG12	20	0.3	0.06	0.32
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG13	20	0.3	0.06	0.32
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG21	20	0.3	0.06	0.32
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG22	20	0.3	0.06	0.32
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG23	20	0.3	0.06	0.32
(1,1261)	1:16:A:VAL:HB	1:17:A:VAL:H	20	0.3	0.06	0.32
(1,94)	1:142:A:ALA:HB1	1:144:A:THR:HB	20	0.3	0.02	0.3
(1,94)	1:142:A:ALA:HB2	1:144:A:THR:HB	20	0.3	0.02	0.3
(1,94)	1:142:A:ALA:HB3	1:144:A:THR:HB	20	0.3	0.02	0.3
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE1	20	0.29	0.05	0.3
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE2	20	0.29	0.05	0.3
(1,2357)	1:3:A:THR:HB	1:4:A:THR:H	20	0.29	0.09	0.28
(1,1652)	1:23:A:VAL:H	1:58:A:LEU:HB3	20	0.28	0.02	0.28
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB2	20	0.28	0.05	0.28
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB3	20	0.28	0.05	0.28
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB2	20	0.28	0.05	0.28
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB3	20	0.28	0.05	0.28
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB2	20	0.28	0.05	0.28
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB3	20	0.28	0.05	0.28
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD1	20	0.26	0.06	0.27
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD2	20	0.26	0.06	0.27
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD1	20	0.26	0.06	0.27
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD2	20	0.26	0.06	0.27

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD1	20	0.26	0.06	0.27
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD2	20	0.26	0.06	0.27
(1,331)	1:14:A:GLY:HA2	1:15:A:GLU:H	20	0.26	0.07	0.26
(1,1068)	1:142:A:ALA:H	1:143:A:ALA:H	20	0.26	0.03	0.26
(1,1913)	1:88:A:LEU:H	1:88:A:LEU:HG	20	0.26	0.03	0.26
(1,3269)	1:71:A:VAL:HG11	1:155:A:LYS:H	20	0.25	0.05	0.26
(1,3269)	1:71:A:VAL:HG12	1:155:A:LYS:H	20	0.25	0.05	0.26
(1,3269)	1:71:A:VAL:HG13	1:155:A:LYS:H	20	0.25	0.05	0.26
(1,3269)	1:71:A:VAL:HG21	1:155:A:LYS:H	20	0.25	0.05	0.26
(1,3269)	1:71:A:VAL:HG22	1:155:A:LYS:H	20	0.25	0.05	0.26
(1,3269)	1:71:A:VAL:HG23	1:155:A:LYS:H	20	0.25	0.05	0.26
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB1	20	0.24	0.02	0.24
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB2	20	0.24	0.02	0.24
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB3	20	0.24	0.02	0.24
(1,2549)	1:6:A:ASN:H	1:146:A:GLY:H	20	0.24	0.03	0.24
(1,2902)	1:16:A:VAL:HG11	1:18:A:ASN:H	20	0.23	0.04	0.22
(1,2902)	1:16:A:VAL:HG12	1:18:A:ASN:H	20	0.23	0.04	0.22
(1,2902)	1:16:A:VAL:HG13	1:18:A:ASN:H	20	0.23	0.04	0.22
(1,2902)	1:16:A:VAL:HG21	1:18:A:ASN:H	20	0.23	0.04	0.22
(1,2902)	1:16:A:VAL:HG22	1:18:A:ASN:H	20	0.23	0.04	0.22
(1,2902)	1:16:A:VAL:HG23	1:18:A:ASN:H	20	0.23	0.04	0.22
(1,2532)	1:66:A:ALA:HB1	1:68:A:LYS:H	20	0.22	0.04	0.23
(1,2532)	1:66:A:ALA:HB2	1:68:A:LYS:H	20	0.22	0.04	0.23
(1,2532)	1:66:A:ALA:HB3	1:68:A:LYS:H	20	0.22	0.04	0.23
(1,1578)	1:137:A:TYR:HB3	1:138:A:PHE:HB2	20	0.22	0.08	0.21
(1,2551)	1:6:A:ASN:H	1:6:A:ASN:HB3	20	0.22	0.02	0.22
(1,1253)	1:156:A:VAL:H	1:156:A:VAL:HB	20	0.2	0.01	0.2
(1,1704)	1:41:A:SER:H	1:41:A:SER:HB3	20	0.18	0.03	0.18
(1,1171)	1:97:A:THR:HB	1:98:A:ASN:H	20	0.17	0.01	0.17
(1,499)	1:45:A:GLU:H	1:141:A:GLY:HA3	20	0.16	0.01	0.16
(1,2717)	1:88:A:LEU:HD21	1:89:A:GLN:H	20	0.15	0.04	0.15
(1,2717)	1:88:A:LEU:HD22	1:89:A:GLN:H	20	0.15	0.04	0.15
(1,2717)	1:88:A:LEU:HD23	1:89:A:GLN:H	20	0.15	0.04	0.15
(1,905)	1:89:A:GLN:HE21	1:149:A:ASN:HB2	19	1.66	0.64	1.67
(1,3287)	1:78:A:ILE:HG21	1:102:A:GLN:HG2	19	1.16	0.25	1.09
(1,3287)	1:78:A:ILE:HG21	1:102:A:GLN:HG3	19	1.16	0.25	1.09
(1,3287)	1:78:A:ILE:HG22	1:102:A:GLN:HG2	19	1.16	0.25	1.09
(1,3287)	1:78:A:ILE:HG22	1:102:A:GLN:HG3	19	1.16	0.25	1.09
(1,3287)	1:78:A:ILE:HG23	1:102:A:GLN:HG2	19	1.16	0.25	1.09
(1,3287)	1:78:A:ILE:HG23	1:102:A:GLN:HG3	19	1.16	0.25	1.09
(1,403)	1:102:A:GLN:HB2	1:136:A:ARG:H	19	0.84	0.2	0.82
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG21	19	0.61	0.3	0.54

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG22	19	0.61	0.3	0.54
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG23	19	0.61	0.3	0.54
(1,915)	1:101:A:VAL:HA	1:102:A:GLN:HB2	19	0.6	0.02	0.6
(1,1211)	1:124:A:LEU:HD11	1:159:A:GLN:H	19	0.53	0.07	0.56
(1,1211)	1:124:A:LEU:HD12	1:159:A:GLN:H	19	0.53	0.07	0.56
(1,1211)	1:124:A:LEU:HD13	1:159:A:GLN:H	19	0.53	0.07	0.56
(1,1211)	1:124:A:LEU:HD21	1:159:A:GLN:H	19	0.53	0.07	0.56
(1,1211)	1:124:A:LEU:HD22	1:159:A:GLN:H	19	0.53	0.07	0.56
(1,1211)	1:124:A:LEU:HD23	1:159:A:GLN:H	19	0.53	0.07	0.56
(1,3402)	1:100:A:GLY:HA3	1:102:A:GLN:HG2	19	0.51	0.13	0.54
(1,3402)	1:100:A:GLY:HA3	1:102:A:GLN:HG3	19	0.51	0.13	0.54
(1,2602)	1:74:A:LEU:HB2	1:153:A:THR:HB	19	0.49	0.14	0.52
(1,152)	1:14:A:GLY:H	1:154:A:PHE:HD1	19	0.48	0.14	0.48
(1,152)	1:14:A:GLY:H	1:154:A:PHE:HD2	19	0.48	0.14	0.48
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG11	19	0.41	0.13	0.39
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG12	19	0.41	0.13	0.39
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG13	19	0.41	0.13	0.39
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG21	19	0.41	0.13	0.39
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG22	19	0.41	0.13	0.39
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG23	19	0.41	0.13	0.39
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG11	19	0.39	0.22	0.4
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG12	19	0.39	0.22	0.4
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG13	19	0.39	0.22	0.4
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG21	19	0.39	0.22	0.4
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG22	19	0.39	0.22	0.4
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG23	19	0.39	0.22	0.4
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG11	19	0.39	0.22	0.4
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG12	19	0.39	0.22	0.4
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG13	19	0.39	0.22	0.4
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG21	19	0.39	0.22	0.4
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG22	19	0.39	0.22	0.4
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG23	19	0.39	0.22	0.4
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG11	19	0.39	0.22	0.4
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG12	19	0.39	0.22	0.4
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG13	19	0.39	0.22	0.4
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG21	19	0.39	0.22	0.4
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG22	19	0.39	0.22	0.4
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG23	19	0.39	0.22	0.4
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG11	19	0.39	0.22	0.4
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG12	19	0.39	0.22	0.4
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG13	19	0.39	0.22	0.4
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG21	19	0.39	0.22	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG22	19	0.39	0.22	0.4
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG23	19	0.39	0.22	0.4
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG11	19	0.39	0.22	0.4
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG12	19	0.39	0.22	0.4
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG13	19	0.39	0.22	0.4
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG21	19	0.39	0.22	0.4
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG22	19	0.39	0.22	0.4
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG23	19	0.39	0.22	0.4
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG11	19	0.39	0.22	0.4
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG12	19	0.39	0.22	0.4
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG13	19	0.39	0.22	0.4
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG21	19	0.39	0.22	0.4
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG22	19	0.39	0.22	0.4
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG23	19	0.39	0.22	0.4
(1,54)	1:74:A:LEU:HG	1:152:A:ALA:HA	19	0.38	0.15	0.36
(1,845)	1:28:A:VAL:HA	1:154:A:PHE:HE1	19	0.36	0.06	0.39
(1,845)	1:28:A:VAL:HA	1:154:A:PHE:HE2	19	0.36	0.06	0.39
(1,2766)	1:98:A:ASN:HD22	1:142:A:ALA:H	19	0.36	0.11	0.35
(1,200)	1:32:A:VAL:HA	1:34:A:LEU:H	19	0.36	0.08	0.35
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG11	19	0.35	0.12	0.38
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG12	19	0.35	0.12	0.38
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG13	19	0.35	0.12	0.38
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG11	19	0.35	0.12	0.38
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG12	19	0.35	0.12	0.38
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG13	19	0.35	0.12	0.38
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG11	19	0.35	0.12	0.38
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG12	19	0.35	0.12	0.38
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG13	19	0.35	0.12	0.38
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG11	19	0.35	0.12	0.38
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG12	19	0.35	0.12	0.38
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG13	19	0.35	0.12	0.38
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG11	19	0.35	0.12	0.38
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG12	19	0.35	0.12	0.38
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG13	19	0.35	0.12	0.38
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG11	19	0.35	0.12	0.38
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG12	19	0.35	0.12	0.38
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG13	19	0.35	0.12	0.38
(1,3391)	1:99:A:VAL:HG11	1:137:A:TYR:HD1	19	0.35	0.12	0.38
(1,3391)	1:99:A:VAL:HG11	1:137:A:TYR:HD2	19	0.35	0.12	0.38
(1,3391)	1:99:A:VAL:HG12	1:137:A:TYR:HD1	19	0.35	0.12	0.38
(1,3391)	1:99:A:VAL:HG12	1:137:A:TYR:HD2	19	0.35	0.12	0.38
(1,3391)	1:99:A:VAL:HG13	1:137:A:TYR:HD1	19	0.35	0.12	0.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3391)	1:99:A:VAL:HG13	1:137:A:TYR:HD2	19	0.35	0.12	0.38
(1,3391)	1:99:A:VAL:HG21	1:137:A:TYR:HD1	19	0.35	0.12	0.38
(1,3391)	1:99:A:VAL:HG21	1:137:A:TYR:HD2	19	0.35	0.12	0.38
(1,3391)	1:99:A:VAL:HG22	1:137:A:TYR:HD1	19	0.35	0.12	0.38
(1,3391)	1:99:A:VAL:HG22	1:137:A:TYR:HD2	19	0.35	0.12	0.38
(1,3391)	1:99:A:VAL:HG23	1:137:A:TYR:HD1	19	0.35	0.12	0.38
(1,3391)	1:99:A:VAL:HG23	1:137:A:TYR:HD2	19	0.35	0.12	0.38
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG21	19	0.3	0.11	0.27
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG22	19	0.3	0.11	0.27
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG23	19	0.3	0.11	0.27
(1,737)	1:32:A:VAL:HG11	1:34:A:LEU:HA	19	0.29	0.11	0.27
(1,737)	1:32:A:VAL:HG12	1:34:A:LEU:HA	19	0.29	0.11	0.27
(1,737)	1:32:A:VAL:HG13	1:34:A:LEU:HA	19	0.29	0.11	0.27
(1,1407)	1:89:A:GLN:HB2	1:90:A:SER:H	19	0.28	0.09	0.32
(1,340)	1:63:A:THR:H	1:126:A:ASN:H	19	0.26	0.04	0.26
(1,669)	1:69:A:ALA:H	1:121:A:GLU:HA	19	0.25	0.04	0.25
(1,1355)	1:6:A:ASN:HB3	1:7:A:GLY:H	19	0.25	0.04	0.26
(1,3135)	1:52:A:VAL:HG11	1:134:A:GLN:HB3	19	0.25	0.05	0.24
(1,3135)	1:52:A:VAL:HG12	1:134:A:GLN:HB3	19	0.25	0.05	0.24
(1,3135)	1:52:A:VAL:HG13	1:134:A:GLN:HB3	19	0.25	0.05	0.24
(1,3135)	1:52:A:VAL:HG21	1:134:A:GLN:HB3	19	0.25	0.05	0.24
(1,3135)	1:52:A:VAL:HG22	1:134:A:GLN:HB3	19	0.25	0.05	0.24
(1,3135)	1:52:A:VAL:HG23	1:134:A:GLN:HB3	19	0.25	0.05	0.24
(1,2526)	1:66:A:ALA:HA	1:68:A:LYS:H	19	0.25	0.04	0.25
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB1	19	0.23	0.05	0.23
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB2	19	0.23	0.05	0.23
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB3	19	0.23	0.05	0.23
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD11	19	0.22	0.04	0.22
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD12	19	0.22	0.04	0.22
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD13	19	0.22	0.04	0.22
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD21	19	0.22	0.04	0.22
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD22	19	0.22	0.04	0.22
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD23	19	0.22	0.04	0.22
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD11	19	0.22	0.04	0.22
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD12	19	0.22	0.04	0.22
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD13	19	0.22	0.04	0.22
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD21	19	0.22	0.04	0.22
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD22	19	0.22	0.04	0.22
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD23	19	0.22	0.04	0.22
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD11	19	0.22	0.04	0.22
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD12	19	0.22	0.04	0.22
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD13	19	0.22	0.04	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD21	19	0.22	0.04	0.22
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD22	19	0.22	0.04	0.22
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD23	19	0.22	0.04	0.22
(1,243)	1:73:A:PHE:HD1	1:119:A:SER:H	19	0.2	0.01	0.2
(1,243)	1:73:A:PHE:HD2	1:119:A:SER:H	19	0.2	0.01	0.2
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG11	19	0.2	0.05	0.21
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG12	19	0.2	0.05	0.21
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG13	19	0.2	0.05	0.21
(1,3393)	1:99:A:VAL:HG11	1:138:A:PHE:H	19	0.2	0.01	0.2
(1,3393)	1:99:A:VAL:HG12	1:138:A:PHE:H	19	0.2	0.01	0.2
(1,3393)	1:99:A:VAL:HG13	1:138:A:PHE:H	19	0.2	0.01	0.2
(1,3393)	1:99:A:VAL:HG21	1:138:A:PHE:H	19	0.2	0.01	0.2
(1,3393)	1:99:A:VAL:HG22	1:138:A:PHE:H	19	0.2	0.01	0.2
(1,3393)	1:99:A:VAL:HG23	1:138:A:PHE:H	19	0.2	0.01	0.2
(1,2601)	1:74:A:LEU:HB2	1:153:A:THR:H	19	0.19	0.04	0.19
(1,2251)	1:21:A:CYS:HB2	1:59:A:ASN:H	19	0.17	0.02	0.17
(1,1031)	1:102:A:GLN:HB2	1:136:A:ARG:HE	18	2.27	0.52	2.31
(1,861)	1:48:A:THR:HG21	1:136:A:ARG:HE	18	1.38	0.27	1.51
(1,861)	1:48:A:THR:HG22	1:136:A:ARG:HE	18	1.38	0.27	1.51
(1,861)	1:48:A:THR:HG23	1:136:A:ARG:HE	18	1.38	0.27	1.51
(1,1640)	1:18:A:ASN:HD21	1:19:A:ALA:H	18	0.94	0.36	1.0
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB1	18	0.78	0.13	0.82
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB2	18	0.78	0.13	0.82
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB3	18	0.78	0.13	0.82
(1,875)	1:61:A:CYS:HB2	1:126:A:ASN:HA	18	0.7	0.18	0.76
(1,2623)	1:77:A:ALA:HB1	1:81:A:GLY:H	18	0.6	0.16	0.62
(1,2623)	1:77:A:ALA:HB2	1:81:A:GLY:H	18	0.6	0.16	0.62
(1,2623)	1:77:A:ALA:HB3	1:81:A:GLY:H	18	0.6	0.16	0.62
(1,2356)	1:3:A:THR:HB	1:145:A:PRO:HB3	18	0.53	0.22	0.6
(1,142)	1:148:A:ALA:H	1:149:A:ASN:HB3	18	0.5	0.18	0.5
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB1	18	0.44	0.18	0.4
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB2	18	0.44	0.18	0.4
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB3	18	0.44	0.18	0.4
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB1	18	0.44	0.18	0.4
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB2	18	0.44	0.18	0.4
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB3	18	0.44	0.18	0.4
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB1	18	0.44	0.18	0.4
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB2	18	0.44	0.18	0.4
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB3	18	0.44	0.18	0.4
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB1	18	0.44	0.18	0.4
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB2	18	0.44	0.18	0.4
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB3	18	0.44	0.18	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB1	18	0.44	0.18	0.4
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB2	18	0.44	0.18	0.4
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB3	18	0.44	0.18	0.4
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB1	18	0.44	0.18	0.4
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB2	18	0.44	0.18	0.4
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB3	18	0.44	0.18	0.4
(1,774)	1:8:A:GLY:H	1:148:A:ALA:H	18	0.41	0.11	0.4
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB1	18	0.4	0.11	0.4
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB2	18	0.4	0.11	0.4
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB3	18	0.4	0.11	0.4
(1,2778)	1:99:A:VAL:HG11	1:137:A:TYR:HE1	18	0.39	0.12	0.44
(1,2778)	1:99:A:VAL:HG11	1:137:A:TYR:HE2	18	0.39	0.12	0.44
(1,2778)	1:99:A:VAL:HG12	1:137:A:TYR:HE1	18	0.39	0.12	0.44
(1,2778)	1:99:A:VAL:HG12	1:137:A:TYR:HE2	18	0.39	0.12	0.44
(1,2778)	1:99:A:VAL:HG13	1:137:A:TYR:HE1	18	0.39	0.12	0.44
(1,2778)	1:99:A:VAL:HG13	1:137:A:TYR:HE2	18	0.39	0.12	0.44
(1,2790)	1:9:A:THR:HA	1:34:A:LEU:HG	18	0.34	0.13	0.36
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB1	18	0.32	0.12	0.31
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB2	18	0.32	0.12	0.31
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB3	18	0.32	0.12	0.31
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB1	18	0.32	0.12	0.31
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB2	18	0.32	0.12	0.31
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB3	18	0.32	0.12	0.31
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB1	18	0.32	0.12	0.31
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB2	18	0.32	0.12	0.31
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB3	18	0.32	0.12	0.31
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB1	18	0.32	0.12	0.31
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB2	18	0.32	0.12	0.31
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB3	18	0.32	0.12	0.31
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB1	18	0.32	0.12	0.31
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB2	18	0.32	0.12	0.31
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB3	18	0.32	0.12	0.31
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB1	18	0.32	0.12	0.31
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB2	18	0.32	0.12	0.31
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB3	18	0.32	0.12	0.31
(1,2547)	1:69:A:ALA:HB1	1:158:A:TYR:HE1	18	0.3	0.04	0.3
(1,2547)	1:69:A:ALA:HB1	1:158:A:TYR:HE2	18	0.3	0.04	0.3
(1,2547)	1:69:A:ALA:HB2	1:158:A:TYR:HE1	18	0.3	0.04	0.3
(1,2547)	1:69:A:ALA:HB2	1:158:A:TYR:HE2	18	0.3	0.04	0.3
(1,2547)	1:69:A:ALA:HB3	1:158:A:TYR:HE1	18	0.3	0.04	0.3
(1,2547)	1:69:A:ALA:HB3	1:158:A:TYR:HE2	18	0.3	0.04	0.3
(1,639)	1:140:A:THR:H	1:143:A:ALA:H	18	0.27	0.04	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1867)	1:77:A:ALA:HB1	1:82:A:HIS:H	18	0.26	0.03	0.26
(1,1867)	1:77:A:ALA:HB2	1:82:A:HIS:H	18	0.26	0.03	0.26
(1,1867)	1:77:A:ALA:HB3	1:82:A:HIS:H	18	0.26	0.03	0.26
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD11	18	0.26	0.03	0.26
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD12	18	0.26	0.03	0.26
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD13	18	0.26	0.03	0.26
(1,815)	1:127:A:GLY:H	1:128:A:THR:H	18	0.24	0.05	0.26
(1,1003)	1:72:A:ALA:H	1:73:A:PHE:HD1	18	0.24	0.05	0.26
(1,1003)	1:72:A:ALA:H	1:73:A:PHE:HD2	18	0.24	0.05	0.26
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG21	18	0.22	0.05	0.24
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG22	18	0.22	0.05	0.24
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG23	18	0.22	0.05	0.24
(1,3022)	1:34:A:LEU:HD11	1:137:A:TYR:HE1	18	0.19	0.05	0.18
(1,3022)	1:34:A:LEU:HD11	1:137:A:TYR:HE2	18	0.19	0.05	0.18
(1,3022)	1:34:A:LEU:HD12	1:137:A:TYR:HE1	18	0.19	0.05	0.18
(1,3022)	1:34:A:LEU:HD12	1:137:A:TYR:HE2	18	0.19	0.05	0.18
(1,3022)	1:34:A:LEU:HD13	1:137:A:TYR:HE1	18	0.19	0.05	0.18
(1,3022)	1:34:A:LEU:HD13	1:137:A:TYR:HE2	18	0.19	0.05	0.18
(1,3022)	1:34:A:LEU:HD21	1:137:A:TYR:HE1	18	0.19	0.05	0.18
(1,3022)	1:34:A:LEU:HD21	1:137:A:TYR:HE2	18	0.19	0.05	0.18
(1,3022)	1:34:A:LEU:HD22	1:137:A:TYR:HE1	18	0.19	0.05	0.18
(1,3022)	1:34:A:LEU:HD22	1:137:A:TYR:HE2	18	0.19	0.05	0.18
(1,3022)	1:34:A:LEU:HD23	1:137:A:TYR:HE1	18	0.19	0.05	0.18
(1,3022)	1:34:A:LEU:HD23	1:137:A:TYR:HE2	18	0.19	0.05	0.18
(1,250)	1:158:A:TYR:HA	1:158:A:TYR:HE1	18	0.15	0.02	0.15
(1,250)	1:158:A:TYR:HA	1:158:A:TYR:HE2	18	0.15	0.02	0.15
(1,1964)	1:99:A:VAL:H	1:99:A:VAL:HB	18	0.14	0.02	0.14
(1,878)	1:67:A:SER:H	1:159:A:GLN:H	17	0.61	0.31	0.51
(1,549)	1:74:A:LEU:HD21	1:155:A:LYS:HE2	17	0.61	0.26	0.53
(1,549)	1:74:A:LEU:HD21	1:155:A:LYS:HE3	17	0.61	0.26	0.53
(1,549)	1:74:A:LEU:HD22	1:155:A:LYS:HE2	17	0.61	0.26	0.53
(1,549)	1:74:A:LEU:HD22	1:155:A:LYS:HE3	17	0.61	0.26	0.53
(1,549)	1:74:A:LEU:HD23	1:155:A:LYS:HE2	17	0.61	0.26	0.53
(1,549)	1:74:A:LEU:HD23	1:155:A:LYS:HE3	17	0.61	0.26	0.53
(1,1885)	1:79:A:ASP:H	1:81:A:GLY:H	17	0.48	0.13	0.44
(1,3123)	1:51:A:ALA:HA	1:136:A:ARG:HD2	17	0.45	0.16	0.41
(1,3123)	1:51:A:ALA:HA	1:136:A:ARG:HD3	17	0.45	0.16	0.41
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB1	17	0.45	0.05	0.46
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB2	17	0.45	0.05	0.46
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB3	17	0.45	0.05	0.46
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB1	17	0.45	0.05	0.46
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB2	17	0.45	0.05	0.46

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB3	17	0.45	0.05	0.46
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG21	17	0.4	0.19	0.37
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG22	17	0.4	0.19	0.37
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG23	17	0.4	0.19	0.37
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG21	17	0.4	0.19	0.37
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG22	17	0.4	0.19	0.37
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG23	17	0.4	0.19	0.37
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG21	17	0.4	0.19	0.37
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG22	17	0.4	0.19	0.37
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG23	17	0.4	0.19	0.37
(1,2792)	1:9:A:THR:HG21	1:32:A:VAL:H	17	0.38	0.14	0.38
(1,2792)	1:9:A:THR:HG22	1:32:A:VAL:H	17	0.38	0.14	0.38
(1,2792)	1:9:A:THR:HG23	1:32:A:VAL:H	17	0.38	0.14	0.38
(1,2403)	1:45:A:GLU:HB3	1:141:A:GLY:H	17	0.36	0.16	0.32
(1,359)	1:113:A:LEU:HD11	1:151:A:ASP:H	17	0.35	0.12	0.37
(1,359)	1:113:A:LEU:HD12	1:151:A:ASP:H	17	0.35	0.12	0.37
(1,359)	1:113:A:LEU:HD13	1:151:A:ASP:H	17	0.35	0.12	0.37
(1,359)	1:113:A:LEU:HD21	1:151:A:ASP:H	17	0.35	0.12	0.37
(1,359)	1:113:A:LEU:HD22	1:151:A:ASP:H	17	0.35	0.12	0.37
(1,359)	1:113:A:LEU:HD23	1:151:A:ASP:H	17	0.35	0.12	0.37
(1,42)	1:156:A:VAL:HA	1:158:A:TYR:H	17	0.32	0.13	0.33
(1,958)	1:17:A:VAL:H	1:155:A:LYS:HA	17	0.3	0.03	0.31
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG21	17	0.29	0.12	0.29
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG22	17	0.29	0.12	0.29
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG23	17	0.29	0.12	0.29
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG21	17	0.29	0.12	0.29
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG22	17	0.29	0.12	0.29
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG23	17	0.29	0.12	0.29
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG21	17	0.29	0.12	0.29
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG22	17	0.29	0.12	0.29
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG23	17	0.29	0.12	0.29
(1,2382)	1:43:A:ALA:H	1:47:A:ALA:HA	17	0.29	0.07	0.32
(1,472)	1:93:A:ALA:HB1	1:95:A:SER:H	17	0.26	0.04	0.26
(1,472)	1:93:A:ALA:HB2	1:95:A:SER:H	17	0.26	0.04	0.26
(1,472)	1:93:A:ALA:HB3	1:95:A:SER:H	17	0.26	0.04	0.26
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG21	17	0.25	0.12	0.22
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG22	17	0.25	0.12	0.22
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG23	17	0.25	0.12	0.22
(1,1468)	1:104:A:LEU:HD21	1:135:A:ALA:HA	17	0.24	0.05	0.25
(1,1468)	1:104:A:LEU:HD22	1:135:A:ALA:HA	17	0.24	0.05	0.25
(1,1468)	1:104:A:LEU:HD23	1:135:A:ALA:HA	17	0.24	0.05	0.25
(1,567)	1:136:A:ARG:HA	1:137:A:TYR:HE1	17	0.23	0.06	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,567)	1:136:A:ARG:HA	1:137:A:TYR:HE2	17	0.23	0.06	0.26
(1,2799)	1:4:A:THR:HG21	1:36:A:GLN:HG2	17	0.21	0.06	0.22
(1,2799)	1:4:A:THR:HG21	1:36:A:GLN:HG3	17	0.21	0.06	0.22
(1,2799)	1:4:A:THR:HG22	1:36:A:GLN:HG2	17	0.21	0.06	0.22
(1,2799)	1:4:A:THR:HG22	1:36:A:GLN:HG3	17	0.21	0.06	0.22
(1,2799)	1:4:A:THR:HG23	1:36:A:GLN:HG2	17	0.21	0.06	0.22
(1,2799)	1:4:A:THR:HG23	1:36:A:GLN:HG3	17	0.21	0.06	0.22
(1,1793)	1:63:A:THR:HB	1:65:A:VAL:H	17	0.18	0.05	0.19
(1,2299)	1:30:A:GLN:HG2	1:31:A:THR:H	16	0.74	0.1	0.75
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB1	16	0.55	0.21	0.62
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB2	16	0.55	0.21	0.62
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB3	16	0.55	0.21	0.62
(1,336)	1:18:A:ASN:HA	1:19:A:ALA:H	16	0.46	0.05	0.48
(1,536)	1:42:A:LEU:HD11	1:138:A:PHE:H	16	0.46	0.16	0.48
(1,536)	1:42:A:LEU:HD12	1:138:A:PHE:H	16	0.46	0.16	0.48
(1,536)	1:42:A:LEU:HD13	1:138:A:PHE:H	16	0.46	0.16	0.48
(1,2242)	1:20:A:ALA:HB1	1:158:A:TYR:HA	16	0.45	0.11	0.47
(1,2242)	1:20:A:ALA:HB2	1:158:A:TYR:HA	16	0.45	0.11	0.47
(1,2242)	1:20:A:ALA:HB3	1:158:A:TYR:HA	16	0.45	0.11	0.47
(1,1099)	1:48:A:THR:HG21	1:136:A:ARG:HG2	16	0.41	0.2	0.42
(1,1099)	1:48:A:THR:HG21	1:136:A:ARG:HG3	16	0.41	0.2	0.42
(1,1099)	1:48:A:THR:HG22	1:136:A:ARG:HG2	16	0.41	0.2	0.42
(1,1099)	1:48:A:THR:HG22	1:136:A:ARG:HG3	16	0.41	0.2	0.42
(1,1099)	1:48:A:THR:HG23	1:136:A:ARG:HG2	16	0.41	0.2	0.42
(1,1099)	1:48:A:THR:HG23	1:136:A:ARG:HG3	16	0.41	0.2	0.42
(1,285)	1:96:A:ALA:HB1	1:144:A:THR:HB	16	0.39	0.11	0.4
(1,285)	1:96:A:ALA:HB2	1:144:A:THR:HB	16	0.39	0.11	0.4
(1,285)	1:96:A:ALA:HB3	1:144:A:THR:HB	16	0.39	0.11	0.4
(1,963)	1:32:A:VAL:HG21	1:54:A:PHE:HA	16	0.33	0.13	0.31
(1,963)	1:32:A:VAL:HG22	1:54:A:PHE:HA	16	0.33	0.13	0.31
(1,963)	1:32:A:VAL:HG23	1:54:A:PHE:HA	16	0.33	0.13	0.31
(1,1377)	1:74:A:LEU:HB3	1:153:A:THR:HB	16	0.32	0.1	0.32
(1,2726)	1:89:A:GLN:HG2	1:90:A:SER:H	16	0.32	0.2	0.23
(1,2726)	1:89:A:GLN:HG3	1:90:A:SER:H	16	0.32	0.2	0.23
(1,334)	1:16:A:VAL:HG11	1:23:A:VAL:HB	16	0.27	0.08	0.3
(1,334)	1:16:A:VAL:HG12	1:23:A:VAL:HB	16	0.27	0.08	0.3
(1,334)	1:16:A:VAL:HG13	1:23:A:VAL:HB	16	0.27	0.08	0.3
(1,334)	1:16:A:VAL:HG21	1:23:A:VAL:HB	16	0.27	0.08	0.3
(1,334)	1:16:A:VAL:HG22	1:23:A:VAL:HB	16	0.27	0.08	0.3
(1,334)	1:16:A:VAL:HG23	1:23:A:VAL:HB	16	0.27	0.08	0.3
(1,118)	1:19:A:ALA:H	1:21:A:CYS:HA	16	0.26	0.06	0.29
(1,2191)	1:149:A:ASN:HD21	1:150:A:ALA:H	16	0.26	0.1	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,99)	1:61:A:CYS:H	1:128:A:THR:H	16	0.23	0.12	0.2
(1,1382)	1:76:A:THR:H	1:86:A:LEU:HA	16	0.23	0.04	0.24
(1,2853)	1:10:A:VAL:HG11	1:32:A:VAL:HA	16	0.23	0.07	0.22
(1,2853)	1:10:A:VAL:HG12	1:32:A:VAL:HA	16	0.23	0.07	0.22
(1,2853)	1:10:A:VAL:HG13	1:32:A:VAL:HA	16	0.23	0.07	0.22
(1,2853)	1:10:A:VAL:HG21	1:32:A:VAL:HA	16	0.23	0.07	0.22
(1,2853)	1:10:A:VAL:HG22	1:32:A:VAL:HA	16	0.23	0.07	0.22
(1,2853)	1:10:A:VAL:HG23	1:32:A:VAL:HA	16	0.23	0.07	0.22
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB1	16	0.22	0.03	0.22
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB2	16	0.22	0.03	0.22
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB3	16	0.22	0.03	0.22
(1,648)	1:19:A:ALA:H	1:22:A:ALA:HA	16	0.21	0.06	0.2
(1,3296)	1:79:A:ASP:HB2	1:80:A:ALA:H	16	0.21	0.05	0.21
(1,3296)	1:79:A:ASP:HB3	1:80:A:ALA:H	16	0.21	0.05	0.21
(1,2771)	1:99:A:VAL:H	1:139:A:ALA:HA	16	0.17	0.05	0.18
(1,2229)	1:18:A:ASN:H	1:18:A:ASN:HD21	15	0.55	0.16	0.53
(1,2044)	1:10:A:VAL:HB	1:32:A:VAL:HB	15	0.53	0.47	0.41
(1,1962)	1:98:A:ASN:HD21	1:142:A:ALA:H	15	0.5	0.18	0.62
(1,980)	1:50:A:SER:H	1:137:A:TYR:HD1	15	0.42	0.11	0.38
(1,980)	1:50:A:SER:H	1:137:A:TYR:HD2	15	0.42	0.11	0.38
(1,350)	1:90:A:SER:HA	1:93:A:ALA:H	15	0.39	0.16	0.37
(1,389)	1:20:A:ALA:HB1	1:66:A:ALA:H	15	0.36	0.14	0.36
(1,389)	1:20:A:ALA:HB2	1:66:A:ALA:H	15	0.36	0.14	0.36
(1,389)	1:20:A:ALA:HB3	1:66:A:ALA:H	15	0.36	0.14	0.36
(1,1286)	1:30:A:GLN:HB3	1:31:A:THR:H	15	0.23	0.09	0.23
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG11	15	0.22	0.07	0.21
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG12	15	0.22	0.07	0.21
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG13	15	0.22	0.07	0.21
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG21	15	0.22	0.07	0.21
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG22	15	0.22	0.07	0.21
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG23	15	0.22	0.07	0.21
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD11	15	0.22	0.06	0.2
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD12	15	0.22	0.06	0.2
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD13	15	0.22	0.06	0.2
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD21	15	0.22	0.06	0.2
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD22	15	0.22	0.06	0.2
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD23	15	0.22	0.06	0.2
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD11	15	0.22	0.06	0.2
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD12	15	0.22	0.06	0.2
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD13	15	0.22	0.06	0.2
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD21	15	0.22	0.06	0.2
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD22	15	0.22	0.06	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD23	15	0.22	0.06	0.2
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD11	15	0.22	0.06	0.2
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD12	15	0.22	0.06	0.2
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD13	15	0.22	0.06	0.2
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD21	15	0.22	0.06	0.2
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD22	15	0.22	0.06	0.2
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD23	15	0.22	0.06	0.2
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD11	15	0.22	0.06	0.2
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD12	15	0.22	0.06	0.2
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD13	15	0.22	0.06	0.2
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD21	15	0.22	0.06	0.2
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD22	15	0.22	0.06	0.2
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD23	15	0.22	0.06	0.2
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD11	15	0.22	0.06	0.2
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD12	15	0.22	0.06	0.2
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD13	15	0.22	0.06	0.2
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD21	15	0.22	0.06	0.2
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD22	15	0.22	0.06	0.2
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD23	15	0.22	0.06	0.2
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD11	15	0.22	0.06	0.2
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD12	15	0.22	0.06	0.2
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD13	15	0.22	0.06	0.2
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD21	15	0.22	0.06	0.2
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD22	15	0.22	0.06	0.2
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD23	15	0.22	0.06	0.2
(1,1440)	1:102:A:GLN:HB3	1:103:A:ILE:H	15	0.21	0.06	0.22
(1,721)	1:17:A:VAL:HG21	1:18:A:ASN:H	15	0.21	0.1	0.22
(1,721)	1:17:A:VAL:HG22	1:18:A:ASN:H	15	0.21	0.1	0.22
(1,721)	1:17:A:VAL:HG23	1:18:A:ASN:H	15	0.21	0.1	0.22
(1,2513)	1:63:A:THR:HA	1:65:A:VAL:H	15	0.2	0.04	0.21
(1,1601)	1:141:A:GLY:H	1:142:A:ALA:H	15	0.16	0.04	0.15
(1,351)	1:92:A:ALA:HA	1:95:A:SER:HB2	14	0.65	0.31	0.59
(1,351)	1:92:A:ALA:HA	1:95:A:SER:HB3	14	0.65	0.31	0.59
(1,615)	1:96:A:ALA:HA	1:147:A:ALA:H	14	0.43	0.15	0.44
(1,295)	1:39:A:THR:HA	1:42:A:LEU:HG	14	0.34	0.17	0.29
(1,2310)	1:32:A:VAL:HG11	1:135:A:ALA:H	14	0.28	0.1	0.26
(1,2310)	1:32:A:VAL:HG12	1:135:A:ALA:H	14	0.28	0.1	0.26
(1,2310)	1:32:A:VAL:HG13	1:135:A:ALA:H	14	0.28	0.1	0.26
(1,1302)	1:3:A:THR:HG21	1:145:A:PRO:HG3	14	0.28	0.06	0.3
(1,1302)	1:3:A:THR:HG22	1:145:A:PRO:HG3	14	0.28	0.06	0.3
(1,1302)	1:3:A:THR:HG23	1:145:A:PRO:HG3	14	0.28	0.06	0.3
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB1	14	0.28	0.2	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB2	14	0.28	0.2	0.22
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB3	14	0.28	0.2	0.22
(1,85)	1:100:A:GLY:H	1:138:A:PHE:HD1	14	0.24	0.08	0.22
(1,85)	1:100:A:GLY:H	1:138:A:PHE:HD2	14	0.24	0.08	0.22
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG21	14	0.23	0.07	0.26
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG22	14	0.23	0.07	0.26
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG23	14	0.23	0.07	0.26
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG21	14	0.23	0.07	0.26
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG22	14	0.23	0.07	0.26
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG23	14	0.23	0.07	0.26
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG21	14	0.23	0.07	0.26
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG22	14	0.23	0.07	0.26
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG23	14	0.23	0.07	0.26
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB1	14	0.22	0.08	0.2
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB2	14	0.22	0.08	0.2
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB3	14	0.22	0.08	0.2
(1,1296)	1:39:A:THR:HA	1:144:A:THR:HA	14	0.22	0.08	0.22
(1,2508)	1:61:A:CYS:HB2	1:127:A:GLY:H	14	0.19	0.05	0.21
(1,2202)	1:155:A:LYS:H	1:155:A:LYS:HG3	14	0.19	0.05	0.21
(1,2202)	1:155:A:LYS:H	1:155:A:LYS:HG2	14	0.19	0.05	0.21
(1,2204)	1:155:A:LYS:HB2	1:156:A:VAL:H	14	0.18	0.04	0.18
(1,2560)	1:70:A:ALA:HB1	1:118:A:PHE:H	14	0.18	0.05	0.18
(1,2560)	1:70:A:ALA:HB2	1:118:A:PHE:H	14	0.18	0.05	0.18
(1,2560)	1:70:A:ALA:HB3	1:118:A:PHE:H	14	0.18	0.05	0.18
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB1	14	0.17	0.06	0.16
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB2	14	0.17	0.06	0.16
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB3	14	0.17	0.06	0.16
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB1	14	0.17	0.06	0.16
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB2	14	0.17	0.06	0.16
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB3	14	0.17	0.06	0.16
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB1	14	0.17	0.06	0.16
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB2	14	0.17	0.06	0.16
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB3	14	0.17	0.06	0.16
(1,79)	1:125:A:ASN:HD21	1:129:A:ASN:HD22	13	0.63	0.25	0.58
(1,50)	1:24:A:ASP:H	1:28:A:VAL:H	13	0.42	0.2	0.37
(1,373)	1:78:A:ILE:HD11	1:100:A:GLY:HA2	13	0.38	0.13	0.36
(1,373)	1:78:A:ILE:HD12	1:100:A:GLY:HA2	13	0.38	0.13	0.36
(1,373)	1:78:A:ILE:HD13	1:100:A:GLY:HA2	13	0.38	0.13	0.36
(1,1963)	1:98:A:ASN:HD22	1:141:A:GLY:HA3	13	0.31	0.15	0.32
(1,2988)	1:28:A:VAL:HG11	1:154:A:PHE:HE1	13	0.27	0.11	0.27
(1,2988)	1:28:A:VAL:HG11	1:154:A:PHE:HE2	13	0.27	0.11	0.27
(1,2988)	1:28:A:VAL:HG12	1:154:A:PHE:HE1	13	0.27	0.11	0.27

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2988)	1:28:A:VAL:HG12	1:154:A:PHE:HE2	13	0.27	0.11	0.27
(1,2988)	1:28:A:VAL:HG13	1:154:A:PHE:HE1	13	0.27	0.11	0.27
(1,2988)	1:28:A:VAL:HG13	1:154:A:PHE:HE2	13	0.27	0.11	0.27
(1,2988)	1:28:A:VAL:HG21	1:154:A:PHE:HE1	13	0.27	0.11	0.27
(1,2988)	1:28:A:VAL:HG21	1:154:A:PHE:HE2	13	0.27	0.11	0.27
(1,2988)	1:28:A:VAL:HG22	1:154:A:PHE:HE1	13	0.27	0.11	0.27
(1,2988)	1:28:A:VAL:HG22	1:154:A:PHE:HE2	13	0.27	0.11	0.27
(1,2988)	1:28:A:VAL:HG23	1:154:A:PHE:HE1	13	0.27	0.11	0.27
(1,2988)	1:28:A:VAL:HG23	1:154:A:PHE:HE2	13	0.27	0.11	0.27
(1,3140)	1:54:A:PHE:HA	1:55:A:ASN:HD21	13	0.25	0.07	0.28
(1,3140)	1:54:A:PHE:HA	1:55:A:ASN:HD22	13	0.25	0.07	0.28
(1,95)	1:152:A:ALA:HB1	1:154:A:PHE:H	13	0.24	0.12	0.21
(1,95)	1:152:A:ALA:HB2	1:154:A:PHE:H	13	0.24	0.12	0.21
(1,95)	1:152:A:ALA:HB3	1:154:A:PHE:H	13	0.24	0.12	0.21
(1,1309)	1:43:A:ALA:H	1:47:A:ALA:H	13	0.24	0.08	0.28
(1,1094)	1:45:A:GLU:H	1:142:A:ALA:H	13	0.23	0.06	0.25
(1,3449)	1:106:A:ARG:HA	1:119:A:SER:HB2	13	0.22	0.04	0.22
(1,3449)	1:106:A:ARG:HA	1:119:A:SER:HB3	13	0.22	0.04	0.22
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB1	13	0.22	0.05	0.22
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB2	13	0.22	0.05	0.22
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB3	13	0.22	0.05	0.22
(1,3318)	1:85:A:VAL:HA	1:102:A:GLN:HG2	13	0.19	0.04	0.2
(1,3318)	1:85:A:VAL:HA	1:102:A:GLN:HG3	13	0.19	0.04	0.2
(1,879)	1:69:A:ALA:H	1:121:A:GLU:HB3	13	0.19	0.06	0.18
(1,681)	1:90:A:SER:H	1:91:A:SER:H	13	0.19	0.06	0.17
(1,259)	1:101:A:VAL:HG11	1:138:A:PHE:H	13	0.17	0.04	0.16
(1,259)	1:101:A:VAL:HG12	1:138:A:PHE:H	13	0.17	0.04	0.16
(1,259)	1:101:A:VAL:HG13	1:138:A:PHE:H	13	0.17	0.04	0.16
(1,181)	1:74:A:LEU:HG	1:115:A:GLY:HA2	12	0.37	0.13	0.36
(1,1948)	1:97:A:THR:H	1:148:A:ALA:HB1	12	0.34	0.16	0.3
(1,1948)	1:97:A:THR:H	1:148:A:ALA:HB2	12	0.34	0.16	0.3
(1,1948)	1:97:A:THR:H	1:148:A:ALA:HB3	12	0.34	0.16	0.3
(1,620)	1:103:A:ILE:HG21	1:152:A:ALA:HB1	12	0.28	0.12	0.29
(1,620)	1:103:A:ILE:HG21	1:152:A:ALA:HB2	12	0.28	0.12	0.29
(1,620)	1:103:A:ILE:HG21	1:152:A:ALA:HB3	12	0.28	0.12	0.29
(1,620)	1:103:A:ILE:HG22	1:152:A:ALA:HB1	12	0.28	0.12	0.29
(1,620)	1:103:A:ILE:HG22	1:152:A:ALA:HB2	12	0.28	0.12	0.29
(1,620)	1:103:A:ILE:HG22	1:152:A:ALA:HB3	12	0.28	0.12	0.29
(1,620)	1:103:A:ILE:HG23	1:152:A:ALA:HB1	12	0.28	0.12	0.29
(1,620)	1:103:A:ILE:HG23	1:152:A:ALA:HB2	12	0.28	0.12	0.29
(1,620)	1:103:A:ILE:HG23	1:152:A:ALA:HB3	12	0.28	0.12	0.29
(1,2908)	1:16:A:VAL:HG11	1:154:A:PHE:HE1	12	0.23	0.05	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2908)	1:16:A:VAL:HG11	1:154:A:PHE:HE2	12	0.23	0.05	0.23
(1,2908)	1:16:A:VAL:HG12	1:154:A:PHE:HE1	12	0.23	0.05	0.23
(1,2908)	1:16:A:VAL:HG12	1:154:A:PHE:HE2	12	0.23	0.05	0.23
(1,2908)	1:16:A:VAL:HG13	1:154:A:PHE:HE1	12	0.23	0.05	0.23
(1,2908)	1:16:A:VAL:HG13	1:154:A:PHE:HE2	12	0.23	0.05	0.23
(1,2908)	1:16:A:VAL:HG21	1:154:A:PHE:HE1	12	0.23	0.05	0.23
(1,2908)	1:16:A:VAL:HG21	1:154:A:PHE:HE2	12	0.23	0.05	0.23
(1,2908)	1:16:A:VAL:HG22	1:154:A:PHE:HE1	12	0.23	0.05	0.23
(1,2908)	1:16:A:VAL:HG22	1:154:A:PHE:HE2	12	0.23	0.05	0.23
(1,2908)	1:16:A:VAL:HG23	1:154:A:PHE:HE1	12	0.23	0.05	0.23
(1,2908)	1:16:A:VAL:HG23	1:154:A:PHE:HE2	12	0.23	0.05	0.23
(1,81)	1:71:A:VAL:H	1:156:A:VAL:HG11	12	0.22	0.09	0.22
(1,81)	1:71:A:VAL:H	1:156:A:VAL:HG12	12	0.22	0.09	0.22
(1,81)	1:71:A:VAL:H	1:156:A:VAL:HG13	12	0.22	0.09	0.22
(1,29)	1:45:A:GLU:HA	1:138:A:PHE:HD1	12	0.2	0.08	0.18
(1,29)	1:45:A:GLU:HA	1:138:A:PHE:HD2	12	0.2	0.08	0.18
(1,3)	1:12:A:PHE:HZ	1:73:A:PHE:HZ	12	0.2	0.09	0.21
(1,1349)	1:67:A:SER:HA	1:123:A:THR:HA	12	0.2	0.06	0.2
(1,775)	1:8:A:GLY:H	1:34:A:LEU:HA	12	0.19	0.05	0.17
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG11	12	0.19	0.07	0.18
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG12	12	0.19	0.07	0.18
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG13	12	0.19	0.07	0.18
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG21	12	0.19	0.07	0.18
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG22	12	0.19	0.07	0.18
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG23	12	0.19	0.07	0.18
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG11	12	0.19	0.07	0.18
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG12	12	0.19	0.07	0.18
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG13	12	0.19	0.07	0.18
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG21	12	0.19	0.07	0.18
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG22	12	0.19	0.07	0.18
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG23	12	0.19	0.07	0.18
(1,800)	1:10:A:VAL:HG21	1:103:A:ILE:HD11	12	0.17	0.02	0.17
(1,800)	1:10:A:VAL:HG21	1:103:A:ILE:HD12	12	0.17	0.02	0.17
(1,800)	1:10:A:VAL:HG21	1:103:A:ILE:HD13	12	0.17	0.02	0.17
(1,800)	1:10:A:VAL:HG22	1:103:A:ILE:HD11	12	0.17	0.02	0.17
(1,800)	1:10:A:VAL:HG22	1:103:A:ILE:HD12	12	0.17	0.02	0.17
(1,800)	1:10:A:VAL:HG22	1:103:A:ILE:HD13	12	0.17	0.02	0.17
(1,800)	1:10:A:VAL:HG23	1:103:A:ILE:HD11	12	0.17	0.02	0.17
(1,800)	1:10:A:VAL:HG23	1:103:A:ILE:HD12	12	0.17	0.02	0.17
(1,800)	1:10:A:VAL:HG23	1:103:A:ILE:HD13	12	0.17	0.02	0.17
(1,3252)	1:71:A:VAL:HG11	1:72:A:ALA:H	12	0.16	0.02	0.16
(1,3252)	1:71:A:VAL:HG12	1:72:A:ALA:H	12	0.16	0.02	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3252)	1:71:A:VAL:HG13	1:72:A:ALA:H	12	0.16	0.02	0.16
(1,3252)	1:71:A:VAL:HG21	1:72:A:ALA:H	12	0.16	0.02	0.16
(1,3252)	1:71:A:VAL:HG22	1:72:A:ALA:H	12	0.16	0.02	0.16
(1,3252)	1:71:A:VAL:HG23	1:72:A:ALA:H	12	0.16	0.02	0.16
(1,176)	1:32:A:VAL:HG11	1:54:A:PHE:HB2	11	0.35	0.18	0.36
(1,176)	1:32:A:VAL:HG11	1:54:A:PHE:HB3	11	0.35	0.18	0.36
(1,176)	1:32:A:VAL:HG12	1:54:A:PHE:HB2	11	0.35	0.18	0.36
(1,176)	1:32:A:VAL:HG12	1:54:A:PHE:HB3	11	0.35	0.18	0.36
(1,176)	1:32:A:VAL:HG13	1:54:A:PHE:HB2	11	0.35	0.18	0.36
(1,176)	1:32:A:VAL:HG13	1:54:A:PHE:HB3	11	0.35	0.18	0.36
(1,762)	1:70:A:ALA:HB1	1:121:A:GLU:HG3	11	0.35	0.14	0.39
(1,762)	1:70:A:ALA:HB2	1:121:A:GLU:HG3	11	0.35	0.14	0.39
(1,762)	1:70:A:ALA:HB3	1:121:A:GLU:HG3	11	0.35	0.14	0.39
(1,14)	1:115:A:GLY:HA2	1:155:A:LYS:HD2	11	0.33	0.18	0.29
(1,14)	1:115:A:GLY:HA2	1:155:A:LYS:HD3	11	0.33	0.18	0.29
(1,545)	1:70:A:ALA:HA	1:157:A:GLN:HB3	11	0.33	0.16	0.28
(1,3392)	1:99:A:VAL:HG11	1:137:A:TYR:HE1	11	0.31	0.1	0.29
(1,3392)	1:99:A:VAL:HG11	1:137:A:TYR:HE2	11	0.31	0.1	0.29
(1,3392)	1:99:A:VAL:HG12	1:137:A:TYR:HE1	11	0.31	0.1	0.29
(1,3392)	1:99:A:VAL:HG12	1:137:A:TYR:HE2	11	0.31	0.1	0.29
(1,3392)	1:99:A:VAL:HG13	1:137:A:TYR:HE1	11	0.31	0.1	0.29
(1,3392)	1:99:A:VAL:HG13	1:137:A:TYR:HE2	11	0.31	0.1	0.29
(1,3392)	1:99:A:VAL:HG21	1:137:A:TYR:HE1	11	0.31	0.1	0.29
(1,3392)	1:99:A:VAL:HG21	1:137:A:TYR:HE2	11	0.31	0.1	0.29
(1,3392)	1:99:A:VAL:HG22	1:137:A:TYR:HE1	11	0.31	0.1	0.29
(1,3392)	1:99:A:VAL:HG22	1:137:A:TYR:HE2	11	0.31	0.1	0.29
(1,3392)	1:99:A:VAL:HG23	1:137:A:TYR:HE1	11	0.31	0.1	0.29
(1,3392)	1:99:A:VAL:HG23	1:137:A:TYR:HE2	11	0.31	0.1	0.29
(1,70)	1:103:A:ILE:H	1:110:A:ALA:HA	11	0.3	0.18	0.25
(1,354)	1:99:A:VAL:HG21	1:137:A:TYR:HD1	11	0.3	0.15	0.28
(1,354)	1:99:A:VAL:HG21	1:137:A:TYR:HD2	11	0.3	0.15	0.28
(1,354)	1:99:A:VAL:HG22	1:137:A:TYR:HD1	11	0.3	0.15	0.28
(1,354)	1:99:A:VAL:HG22	1:137:A:TYR:HD2	11	0.3	0.15	0.28
(1,354)	1:99:A:VAL:HG23	1:137:A:TYR:HD1	11	0.3	0.15	0.28
(1,354)	1:99:A:VAL:HG23	1:137:A:TYR:HD2	11	0.3	0.15	0.28
(1,3478)	1:126:A:ASN:H	1:126:A:ASN:HD21	11	0.28	0.05	0.3
(1,3478)	1:126:A:ASN:H	1:126:A:ASN:HD22	11	0.28	0.05	0.3
(1,1669)	1:28:A:VAL:HG11	1:29:A:ASP:HB3	11	0.27	0.25	0.22
(1,1669)	1:28:A:VAL:HG12	1:29:A:ASP:HB3	11	0.27	0.25	0.22
(1,1669)	1:28:A:VAL:HG13	1:29:A:ASP:HB3	11	0.27	0.25	0.22
(1,201)	1:41:A:SER:HA	1:47:A:ALA:HB1	11	0.26	0.04	0.27
(1,201)	1:41:A:SER:HA	1:47:A:ALA:HB2	11	0.26	0.04	0.27

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,201)	1:41:A:SER:HA	1:47:A:ALA:HB3	11	0.26	0.04	0.27
(1,2742)	1:96:A:ALA:HA	1:144:A:THR:H	11	0.25	0.09	0.26
(1,770)	1:79:A:ASP:HB2	1:81:A:GLY:H	11	0.24	0.13	0.21
(1,1886)	1:79:A:ASP:H	1:82:A:HIS:H	11	0.18	0.03	0.19
(1,2159)	1:139:A:ALA:H	1:143:A:ALA:HB1	11	0.17	0.06	0.16
(1,2159)	1:139:A:ALA:H	1:143:A:ALA:HB2	11	0.17	0.06	0.16
(1,2159)	1:139:A:ALA:H	1:143:A:ALA:HB3	11	0.17	0.06	0.16
(1,1708)	1:42:A:LEU:H	1:47:A:ALA:HB1	11	0.17	0.06	0.16
(1,1708)	1:42:A:LEU:H	1:47:A:ALA:HB2	11	0.17	0.06	0.16
(1,1708)	1:42:A:LEU:H	1:47:A:ALA:HB3	11	0.17	0.06	0.16
(1,704)	1:122:A:THR:HG21	1:123:A:THR:H	11	0.17	0.04	0.18
(1,704)	1:122:A:THR:HG22	1:123:A:THR:H	11	0.17	0.04	0.18
(1,704)	1:122:A:THR:HG23	1:123:A:THR:H	11	0.17	0.04	0.18
(1,1308)	1:43:A:ALA:H	1:139:A:ALA:HB1	11	0.16	0.04	0.16
(1,1308)	1:43:A:ALA:H	1:139:A:ALA:HB2	11	0.16	0.04	0.16
(1,1308)	1:43:A:ALA:H	1:139:A:ALA:HB3	11	0.16	0.04	0.16
(1,2124)	1:130:A:THR:HB	1:131:A:ILE:H	11	0.15	0.04	0.14
(1,8)	1:13:A:LYS:HD2	1:153:A:THR:HG21	10	0.86	0.29	0.82
(1,8)	1:13:A:LYS:HD2	1:153:A:THR:HG22	10	0.86	0.29	0.82
(1,8)	1:13:A:LYS:HD2	1:153:A:THR:HG23	10	0.86	0.29	0.82
(1,1)	1:112:A:THR:HB	1:116:A:ALA:H	10	0.6	0.31	0.67
(1,3498)	1:159:A:GLN:H	1:159:A:GLN:HG2	10	0.57	0.14	0.58
(1,3498)	1:159:A:GLN:H	1:159:A:GLN:HG3	10	0.57	0.14	0.58
(1,519)	1:90:A:SER:HA	1:95:A:SER:HA	10	0.39	0.18	0.33
(1,162)	1:18:A:ASN:HA	1:18:A:ASN:HD21	10	0.38	0.16	0.3
(1,1734)	1:48:A:THR:HG21	1:138:A:PHE:H	10	0.35	0.13	0.34
(1,1734)	1:48:A:THR:HG22	1:138:A:PHE:H	10	0.35	0.13	0.34
(1,1734)	1:48:A:THR:HG23	1:138:A:PHE:H	10	0.35	0.13	0.34
(1,228)	1:18:A:ASN:HA	1:158:A:TYR:HE1	10	0.29	0.13	0.29
(1,228)	1:18:A:ASN:HA	1:158:A:TYR:HE2	10	0.29	0.13	0.29
(1,2719)	1:89:A:GLN:H	1:89:A:GLN:HE21	10	0.24	0.11	0.2
(1,2612)	1:75:A:GLY:HA2	1:86:A:LEU:HD11	10	0.24	0.05	0.26
(1,2612)	1:75:A:GLY:HA2	1:86:A:LEU:HD12	10	0.24	0.05	0.26
(1,2612)	1:75:A:GLY:HA2	1:86:A:LEU:HD13	10	0.24	0.05	0.26
(1,2716)	1:88:A:LEU:HD21	1:148:A:ALA:HA	10	0.24	0.08	0.24
(1,2716)	1:88:A:LEU:HD22	1:148:A:ALA:HA	10	0.24	0.08	0.24
(1,2716)	1:88:A:LEU:HD23	1:148:A:ALA:HA	10	0.24	0.08	0.24
(1,3468)	1:118:A:PHE:HD1	1:157:A:GLN:HG2	10	0.23	0.11	0.22
(1,3468)	1:118:A:PHE:HD1	1:157:A:GLN:HG3	10	0.23	0.11	0.22
(1,3468)	1:118:A:PHE:HD2	1:157:A:GLN:HG2	10	0.23	0.11	0.22
(1,3468)	1:118:A:PHE:HD2	1:157:A:GLN:HG3	10	0.23	0.11	0.22
(1,2578)	1:72:A:ALA:H	1:157:A:GLN:H	10	0.23	0.07	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2115)	1:129:A:ASN:HB2	1:130:A:THR:H	10	0.22	0.06	0.2
(1,434)	1:111:A:LEU:HB3	1:119:A:SER:H	10	0.21	0.05	0.21
(1,1753)	1:51:A:ALA:HB1	1:134:A:GLN:HE22	10	0.2	0.04	0.22
(1,1753)	1:51:A:ALA:HB2	1:134:A:GLN:HE22	10	0.2	0.04	0.22
(1,1753)	1:51:A:ALA:HB3	1:134:A:GLN:HE22	10	0.2	0.04	0.22
(1,2609)	1:75:A:GLY:H	1:115:A:GLY:H	10	0.2	0.06	0.18
(1,683)	1:9:A:THR:H	1:149:A:ASN:H	10	0.19	0.05	0.22
(1,773)	1:86:A:LEU:HD21	1:151:A:ASP:H	10	0.19	0.05	0.21
(1,773)	1:86:A:LEU:HD22	1:151:A:ASP:H	10	0.19	0.05	0.21
(1,773)	1:86:A:LEU:HD23	1:151:A:ASP:H	10	0.19	0.05	0.21
(1,1091)	1:43:A:ALA:H	1:44:A:GLN:HE21	10	0.18	0.02	0.18
(1,1676)	1:31:A:THR:HG21	1:32:A:VAL:H	10	0.17	0.02	0.16
(1,1676)	1:31:A:THR:HG22	1:32:A:VAL:H	10	0.17	0.02	0.16
(1,1676)	1:31:A:THR:HG23	1:32:A:VAL:H	10	0.17	0.02	0.16
(1,1207)	1:11:A:HIS:HD2	1:12:A:PHE:H	10	0.16	0.03	0.17
(1,2316)	1:33:A:GLN:H	1:34:A:LEU:H	10	0.15	0.03	0.16
(1,1968)	1:99:A:VAL:HG11	1:137:A:TYR:HD1	10	0.14	0.01	0.14
(1,1968)	1:99:A:VAL:HG11	1:137:A:TYR:HD2	10	0.14	0.01	0.14
(1,1968)	1:99:A:VAL:HG12	1:137:A:TYR:HD1	10	0.14	0.01	0.14
(1,1968)	1:99:A:VAL:HG12	1:137:A:TYR:HD2	10	0.14	0.01	0.14
(1,1968)	1:99:A:VAL:HG13	1:137:A:TYR:HD1	10	0.14	0.01	0.14
(1,1968)	1:99:A:VAL:HG13	1:137:A:TYR:HD2	10	0.14	0.01	0.14
(1,131)	1:14:A:GLY:HA2	1:154:A:PHE:H	9	0.46	0.16	0.41
(1,357)	1:10:A:VAL:HA	1:149:A:ASN:HB3	9	0.45	0.26	0.62
(1,1945)	1:97:A:THR:H	1:143:A:ALA:HA	9	0.38	0.24	0.33
(1,2800)	1:4:A:THR:HG21	1:36:A:GLN:HE21	9	0.26	0.09	0.23
(1,2800)	1:4:A:THR:HG21	1:36:A:GLN:HE22	9	0.26	0.09	0.23
(1,2800)	1:4:A:THR:HG22	1:36:A:GLN:HE21	9	0.26	0.09	0.23
(1,2800)	1:4:A:THR:HG22	1:36:A:GLN:HE22	9	0.26	0.09	0.23
(1,2800)	1:4:A:THR:HG23	1:36:A:GLN:HE21	9	0.26	0.09	0.23
(1,2800)	1:4:A:THR:HG23	1:36:A:GLN:HE22	9	0.26	0.09	0.23
(1,3191)	1:62:A:ASP:HB2	1:65:A:VAL:HB	9	0.26	0.1	0.28
(1,3191)	1:62:A:ASP:HB3	1:65:A:VAL:HB	9	0.26	0.1	0.28
(1,2367)	1:42:A:LEU:HA	1:47:A:ALA:H	9	0.25	0.04	0.25
(1,750)	1:55:A:ASN:HA	1:131:A:ILE:H	9	0.22	0.04	0.23
(1,3176)	1:58:A:LEU:HD11	1:131:A:ILE:HG13	9	0.22	0.07	0.23
(1,3176)	1:58:A:LEU:HD12	1:131:A:ILE:HG13	9	0.22	0.07	0.23
(1,3176)	1:58:A:LEU:HD13	1:131:A:ILE:HG13	9	0.22	0.07	0.23
(1,3176)	1:58:A:LEU:HD21	1:131:A:ILE:HG13	9	0.22	0.07	0.23
(1,3176)	1:58:A:LEU:HD22	1:131:A:ILE:HG13	9	0.22	0.07	0.23
(1,3176)	1:58:A:LEU:HD23	1:131:A:ILE:HG13	9	0.22	0.07	0.23
(1,1361)	1:72:A:ALA:HB1	1:111:A:LEU:HD21	9	0.21	0.05	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1361)	1:72:A:ALA:HB1	1:111:A:LEU:HD22	9	0.21	0.05	0.23
(1,1361)	1:72:A:ALA:HB1	1:111:A:LEU:HD23	9	0.21	0.05	0.23
(1,1361)	1:72:A:ALA:HB2	1:111:A:LEU:HD21	9	0.21	0.05	0.23
(1,1361)	1:72:A:ALA:HB2	1:111:A:LEU:HD22	9	0.21	0.05	0.23
(1,1361)	1:72:A:ALA:HB2	1:111:A:LEU:HD23	9	0.21	0.05	0.23
(1,1361)	1:72:A:ALA:HB3	1:111:A:LEU:HD21	9	0.21	0.05	0.23
(1,1361)	1:72:A:ALA:HB3	1:111:A:LEU:HD22	9	0.21	0.05	0.23
(1,1361)	1:72:A:ALA:HB3	1:111:A:LEU:HD23	9	0.21	0.05	0.23
(1,3065)	1:42:A:LEU:HD11	1:48:A:THR:HB	9	0.21	0.07	0.2
(1,3065)	1:42:A:LEU:HD12	1:48:A:THR:HB	9	0.21	0.07	0.2
(1,3065)	1:42:A:LEU:HD13	1:48:A:THR:HB	9	0.21	0.07	0.2
(1,3065)	1:42:A:LEU:HD21	1:48:A:THR:HB	9	0.21	0.07	0.2
(1,3065)	1:42:A:LEU:HD22	1:48:A:THR:HB	9	0.21	0.07	0.2
(1,3065)	1:42:A:LEU:HD23	1:48:A:THR:HB	9	0.21	0.07	0.2
(1,563)	1:123:A:THR:HB	1:124:A:LEU:HA	9	0.2	0.05	0.22
(1,1425)	1:98:A:ASN:HD21	1:142:A:ALA:HA	9	0.19	0.08	0.18
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD11	9	0.19	0.05	0.2
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD12	9	0.19	0.05	0.2
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD13	9	0.19	0.05	0.2
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD21	9	0.19	0.05	0.2
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD22	9	0.19	0.05	0.2
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD23	9	0.19	0.05	0.2
(1,48)	1:150:A:ALA:HB1	1:152:A:ALA:HA	9	0.19	0.07	0.19
(1,48)	1:150:A:ALA:HB2	1:152:A:ALA:HA	9	0.19	0.07	0.19
(1,48)	1:150:A:ALA:HB3	1:152:A:ALA:HA	9	0.19	0.07	0.19
(1,1920)	1:89:A:GLN:HA	1:89:A:GLN:HE21	9	0.18	0.07	0.17
(1,1141)	1:72:A:ALA:HB1	1:73:A:PHE:HD1	9	0.18	0.04	0.16
(1,1141)	1:72:A:ALA:HB1	1:73:A:PHE:HD2	9	0.18	0.04	0.16
(1,1141)	1:72:A:ALA:HB2	1:73:A:PHE:HD1	9	0.18	0.04	0.16
(1,1141)	1:72:A:ALA:HB2	1:73:A:PHE:HD2	9	0.18	0.04	0.16
(1,1141)	1:72:A:ALA:HB3	1:73:A:PHE:HD1	9	0.18	0.04	0.16
(1,1141)	1:72:A:ALA:HB3	1:73:A:PHE:HD2	9	0.18	0.04	0.16
(1,3021)	1:34:A:LEU:HD11	1:137:A:TYR:HD1	9	0.17	0.06	0.15
(1,3021)	1:34:A:LEU:HD11	1:137:A:TYR:HD2	9	0.17	0.06	0.15
(1,3021)	1:34:A:LEU:HD12	1:137:A:TYR:HD1	9	0.17	0.06	0.15
(1,3021)	1:34:A:LEU:HD12	1:137:A:TYR:HD2	9	0.17	0.06	0.15
(1,3021)	1:34:A:LEU:HD13	1:137:A:TYR:HD1	9	0.17	0.06	0.15
(1,3021)	1:34:A:LEU:HD13	1:137:A:TYR:HD2	9	0.17	0.06	0.15
(1,3021)	1:34:A:LEU:HD21	1:137:A:TYR:HD1	9	0.17	0.06	0.15
(1,3021)	1:34:A:LEU:HD21	1:137:A:TYR:HD2	9	0.17	0.06	0.15
(1,3021)	1:34:A:LEU:HD22	1:137:A:TYR:HD1	9	0.17	0.06	0.15
(1,3021)	1:34:A:LEU:HD22	1:137:A:TYR:HD2	9	0.17	0.06	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3021)	1:34:A:LEU:HD23	1:137:A:TYR:HD1	9	0.17	0.06	0.15
(1,3021)	1:34:A:LEU:HD23	1:137:A:TYR:HD2	9	0.17	0.06	0.15
(1,2662)	1:82:A:HIS:HB3	1:83:A:THR:H	9	0.17	0.03	0.17
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD11	9	0.17	0.06	0.15
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD12	9	0.17	0.06	0.15
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD13	9	0.17	0.06	0.15
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD21	9	0.17	0.06	0.15
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD22	9	0.17	0.06	0.15
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD23	9	0.17	0.06	0.15
(1,1546)	1:126:A:ASN:HB2	1:127:A:GLY:H	9	0.16	0.04	0.17
(1,117)	1:124:A:LEU:HA	1:125:A:ASN:HD22	8	1.07	0.53	1.1
(1,722)	1:18:A:ASN:H	1:18:A:ASN:HB3	8	0.68	0.04	0.68
(1,1264)	1:17:A:VAL:HA	1:18:A:ASN:HB3	8	0.64	0.02	0.64
(1,1961)	1:98:A:ASN:HD21	1:141:A:GLY:HA3	8	0.35	0.11	0.35
(1,1469)	1:104:A:LEU:HD21	1:136:A:ARG:HE	8	0.32	0.09	0.36
(1,1469)	1:104:A:LEU:HD22	1:136:A:ARG:HE	8	0.32	0.09	0.36
(1,1469)	1:104:A:LEU:HD23	1:136:A:ARG:HE	8	0.32	0.09	0.36
(1,6)	1:4:A:THR:H	1:39:A:THR:HG21	8	0.25	0.06	0.27
(1,6)	1:4:A:THR:H	1:39:A:THR:HG22	8	0.25	0.06	0.27
(1,6)	1:4:A:THR:H	1:39:A:THR:HG23	8	0.25	0.06	0.27
(1,831)	1:154:A:PHE:HD1	1:155:A:LYS:H	8	0.23	0.03	0.24
(1,831)	1:154:A:PHE:HD2	1:155:A:LYS:H	8	0.23	0.03	0.24
(1,1732)	1:48:A:THR:HB	1:136:A:ARG:HE	8	0.23	0.1	0.21
(1,909)	1:95:A:SER:HA	1:149:A:ASN:H	8	0.22	0.1	0.2
(1,2355)	1:3:A:THR:HA	1:4:A:THR:HG21	8	0.2	0.07	0.22
(1,2355)	1:3:A:THR:HA	1:4:A:THR:HG22	8	0.2	0.07	0.22
(1,2355)	1:3:A:THR:HA	1:4:A:THR:HG23	8	0.2	0.07	0.22
(1,1700)	1:3:A:THR:HB	1:145:A:PRO:HG3	8	0.19	0.05	0.18
(1,2453)	1:53:A:GLY:H	1:54:A:PHE:H	8	0.17	0.04	0.18
(1,2452)	1:53:A:GLY:H	1:134:A:GLN:HA	8	0.16	0.04	0.15
(1,136)	1:72:A:ALA:HB1	1:117:A:THR:HG21	8	0.15	0.05	0.14
(1,136)	1:72:A:ALA:HB1	1:117:A:THR:HG22	8	0.15	0.05	0.14
(1,136)	1:72:A:ALA:HB1	1:117:A:THR:HG23	8	0.15	0.05	0.14
(1,136)	1:72:A:ALA:HB2	1:117:A:THR:HG21	8	0.15	0.05	0.14
(1,136)	1:72:A:ALA:HB2	1:117:A:THR:HG22	8	0.15	0.05	0.14
(1,136)	1:72:A:ALA:HB2	1:117:A:THR:HG23	8	0.15	0.05	0.14
(1,136)	1:72:A:ALA:HB3	1:117:A:THR:HG21	8	0.15	0.05	0.14
(1,136)	1:72:A:ALA:HB3	1:117:A:THR:HG22	8	0.15	0.05	0.14
(1,136)	1:72:A:ALA:HB3	1:117:A:THR:HG23	8	0.15	0.05	0.14
(1,2104)	1:124:A:LEU:HD11	1:158:A:TYR:HE1	8	0.14	0.04	0.12
(1,2104)	1:124:A:LEU:HD11	1:158:A:TYR:HE2	8	0.14	0.04	0.12
(1,2104)	1:124:A:LEU:HD12	1:158:A:TYR:HE1	8	0.14	0.04	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2104)	1:124:A:LEU:HD12	1:158:A:TYR:HE2	8	0.14	0.04	0.12
(1,2104)	1:124:A:LEU:HD13	1:158:A:TYR:HE1	8	0.14	0.04	0.12
(1,2104)	1:124:A:LEU:HD13	1:158:A:TYR:HE2	8	0.14	0.04	0.12
(1,2104)	1:124:A:LEU:HD21	1:158:A:TYR:HE1	8	0.14	0.04	0.12
(1,2104)	1:124:A:LEU:HD21	1:158:A:TYR:HE2	8	0.14	0.04	0.12
(1,2104)	1:124:A:LEU:HD22	1:158:A:TYR:HE1	8	0.14	0.04	0.12
(1,2104)	1:124:A:LEU:HD22	1:158:A:TYR:HE2	8	0.14	0.04	0.12
(1,2104)	1:124:A:LEU:HD23	1:158:A:TYR:HE1	8	0.14	0.04	0.12
(1,2104)	1:124:A:LEU:HD23	1:158:A:TYR:HE2	8	0.14	0.04	0.12
(1,691)	1:109:A:ALA:H	1:110:A:ALA:HB1	8	0.13	0.02	0.12
(1,691)	1:109:A:ALA:H	1:110:A:ALA:HB2	8	0.13	0.02	0.12
(1,691)	1:109:A:ALA:H	1:110:A:ALA:HB3	8	0.13	0.02	0.12
(1,475)	1:102:A:GLN:HB3	1:136:A:ARG:HG2	7	0.3	0.16	0.3
(1,475)	1:102:A:GLN:HB3	1:136:A:ARG:HG3	7	0.3	0.16	0.3
(1,32)	1:78:A:ILE:HD11	1:101:A:VAL:H	7	0.29	0.11	0.31
(1,32)	1:78:A:ILE:HD12	1:101:A:VAL:H	7	0.29	0.11	0.31
(1,32)	1:78:A:ILE:HD13	1:101:A:VAL:H	7	0.29	0.11	0.31
(1,1946)	1:97:A:THR:H	1:143:A:ALA:HB1	7	0.27	0.18	0.22
(1,1946)	1:97:A:THR:H	1:143:A:ALA:HB2	7	0.27	0.18	0.22
(1,1946)	1:97:A:THR:H	1:143:A:ALA:HB3	7	0.27	0.18	0.22
(1,626)	1:116:A:ALA:HA	1:118:A:PHE:H	7	0.26	0.12	0.19
(1,1098)	1:48:A:THR:HB	1:49:A:SER:H	7	0.24	0.07	0.25
(1,692)	1:10:A:VAL:HA	1:149:A:ASN:HA	7	0.23	0.06	0.22
(1,2313)	1:32:A:VAL:HG11	1:54:A:PHE:HD1	7	0.22	0.06	0.2
(1,2313)	1:32:A:VAL:HG11	1:54:A:PHE:HD2	7	0.22	0.06	0.2
(1,2313)	1:32:A:VAL:HG12	1:54:A:PHE:HD1	7	0.22	0.06	0.2
(1,2313)	1:32:A:VAL:HG12	1:54:A:PHE:HD2	7	0.22	0.06	0.2
(1,2313)	1:32:A:VAL:HG13	1:54:A:PHE:HD1	7	0.22	0.06	0.2
(1,2313)	1:32:A:VAL:HG13	1:54:A:PHE:HD2	7	0.22	0.06	0.2
(1,1827)	1:70:A:ALA:HB1	1:157:A:GLN:HB2	7	0.22	0.05	0.19
(1,1827)	1:70:A:ALA:HB2	1:157:A:GLN:HB2	7	0.22	0.05	0.19
(1,1827)	1:70:A:ALA:HB3	1:157:A:GLN:HB2	7	0.22	0.05	0.19
(1,441)	1:16:A:VAL:H	1:156:A:VAL:HG21	7	0.21	0.08	0.17
(1,441)	1:16:A:VAL:H	1:156:A:VAL:HG22	7	0.21	0.08	0.17
(1,441)	1:16:A:VAL:H	1:156:A:VAL:HG23	7	0.21	0.08	0.17
(1,904)	1:88:A:LEU:HG	1:100:A:GLY:HA3	7	0.21	0.07	0.18
(1,1418)	1:96:A:ALA:HB1	1:144:A:THR:H	7	0.19	0.03	0.18
(1,1418)	1:96:A:ALA:HB2	1:144:A:THR:H	7	0.19	0.03	0.18
(1,1418)	1:96:A:ALA:HB3	1:144:A:THR:H	7	0.19	0.03	0.18
(1,199)	1:17:A:VAL:HG11	1:155:A:LYS:HB2	7	0.19	0.08	0.17
(1,199)	1:17:A:VAL:HG12	1:155:A:LYS:HB2	7	0.19	0.08	0.17
(1,199)	1:17:A:VAL:HG13	1:155:A:LYS:HB2	7	0.19	0.08	0.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,465)	1:74:A:LEU:HD21	1:153:A:THR:H	7	0.18	0.04	0.19
(1,465)	1:74:A:LEU:HD22	1:153:A:THR:H	7	0.18	0.04	0.19
(1,465)	1:74:A:LEU:HD23	1:153:A:THR:H	7	0.18	0.04	0.19
(1,2706)	1:87:A:ALA:H	1:101:A:VAL:H	7	0.17	0.08	0.14
(1,2916)	1:18:A:ASN:H	1:18:A:ASN:HB2	7	0.17	0.05	0.14
(1,2916)	1:18:A:ASN:H	1:18:A:ASN:HB3	7	0.17	0.05	0.14
(1,1755)	1:52:A:VAL:H	1:136:A:ARG:H	7	0.15	0.03	0.15
(1,3430)	1:104:A:LEU:HD11	1:136:A:ARG:H	7	0.15	0.02	0.15
(1,3430)	1:104:A:LEU:HD12	1:136:A:ARG:H	7	0.15	0.02	0.15
(1,3430)	1:104:A:LEU:HD13	1:136:A:ARG:H	7	0.15	0.02	0.15
(1,3430)	1:104:A:LEU:HD21	1:136:A:ARG:H	7	0.15	0.02	0.15
(1,3430)	1:104:A:LEU:HD22	1:136:A:ARG:H	7	0.15	0.02	0.15
(1,3430)	1:104:A:LEU:HD23	1:136:A:ARG:H	7	0.15	0.02	0.15
(1,632)	1:127:A:GLY:HA3	1:128:A:THR:HB	7	0.14	0.04	0.13
(1,1378)	1:74:A:LEU:HG	1:153:A:THR:H	7	0.14	0.04	0.13
(1,1166)	1:91:A:SER:HA	1:92:A:ALA:HB1	7	0.13	0.02	0.12
(1,1166)	1:91:A:SER:HA	1:92:A:ALA:HB2	7	0.13	0.02	0.12
(1,1166)	1:91:A:SER:HA	1:92:A:ALA:HB3	7	0.13	0.02	0.12
(1,1763)	1:56:A:ILE:H	1:131:A:ILE:HG21	7	0.13	0.02	0.13
(1,1763)	1:56:A:ILE:H	1:131:A:ILE:HG22	7	0.13	0.02	0.13
(1,1763)	1:56:A:ILE:H	1:131:A:ILE:HG23	7	0.13	0.02	0.13
(1,2335)	1:35:A:GLY:H	1:36:A:GLN:H	7	0.12	0.02	0.11
(1,2879)	1:13:A:LYS:HD2	1:153:A:THR:HG21	6	0.64	0.23	0.72
(1,2879)	1:13:A:LYS:HD2	1:153:A:THR:HG22	6	0.64	0.23	0.72
(1,2879)	1:13:A:LYS:HD2	1:153:A:THR:HG23	6	0.64	0.23	0.72
(1,2879)	1:13:A:LYS:HD3	1:153:A:THR:HG21	6	0.64	0.23	0.72
(1,2879)	1:13:A:LYS:HD3	1:153:A:THR:HG22	6	0.64	0.23	0.72
(1,2879)	1:13:A:LYS:HD3	1:153:A:THR:HG23	6	0.64	0.23	0.72
(1,575)	1:18:A:ASN:HD21	1:22:A:ALA:HB1	6	0.61	0.09	0.62
(1,575)	1:18:A:ASN:HD21	1:22:A:ALA:HB2	6	0.61	0.09	0.62
(1,575)	1:18:A:ASN:HD21	1:22:A:ALA:HB3	6	0.61	0.09	0.62
(1,242)	1:70:A:ALA:H	1:158:A:TYR:HA	6	0.37	0.21	0.28
(1,1723)	1:47:A:ALA:H	1:141:A:GLY:H	6	0.31	0.1	0.3
(1,151)	1:106:A:ARG:HA	1:133:A:PHE:HE1	6	0.27	0.18	0.16
(1,151)	1:106:A:ARG:HA	1:133:A:PHE:HE2	6	0.27	0.18	0.16
(1,587)	1:42:A:LEU:HG	1:48:A:THR:HA	6	0.26	0.06	0.28
(1,2322)	1:33:A:GLN:HG2	1:35:A:GLY:H	6	0.25	0.06	0.26
(1,2322)	1:33:A:GLN:HG3	1:35:A:GLY:H	6	0.25	0.06	0.26
(1,1938)	1:95:A:SER:HA	1:148:A:ALA:HB1	6	0.25	0.06	0.25
(1,1938)	1:95:A:SER:HA	1:148:A:ALA:HB2	6	0.25	0.06	0.25
(1,1938)	1:95:A:SER:HA	1:148:A:ALA:HB3	6	0.25	0.06	0.25
(1,795)	1:106:A:ARG:HA	1:108:A:GLY:H	6	0.24	0.01	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,299)	1:70:A:ALA:HB1	1:157:A:GLN:HB3	6	0.24	0.07	0.22
(1,299)	1:70:A:ALA:HB2	1:157:A:GLN:HB3	6	0.24	0.07	0.22
(1,299)	1:70:A:ALA:HB3	1:157:A:GLN:HB3	6	0.24	0.07	0.22
(1,512)	1:82:A:HIS:HB2	1:85:A:VAL:H	6	0.22	0.05	0.22
(1,1610)	1:147:A:ALA:HB1	1:149:A:ASN:HD22	6	0.19	0.02	0.19
(1,1610)	1:147:A:ALA:HB2	1:149:A:ASN:HD22	6	0.19	0.02	0.19
(1,1610)	1:147:A:ALA:HB3	1:149:A:ASN:HD22	6	0.19	0.02	0.19
(1,493)	1:18:A:ASN:H	1:18:A:ASN:HB2	6	0.19	0.04	0.18
(1,1354)	1:69:A:ALA:HB1	1:158:A:TYR:HA	6	0.18	0.05	0.18
(1,1354)	1:69:A:ALA:HB2	1:158:A:TYR:HA	6	0.18	0.05	0.18
(1,1354)	1:69:A:ALA:HB3	1:158:A:TYR:HA	6	0.18	0.05	0.18
(1,1013)	1:82:A:HIS:H	1:84:A:ASN:H	6	0.18	0.06	0.16
(1,326)	1:118:A:PHE:HB2	1:157:A:GLN:HB3	6	0.18	0.05	0.16
(1,83)	1:78:A:ILE:HD11	1:139:A:ALA:HA	6	0.17	0.04	0.16
(1,83)	1:78:A:ILE:HD12	1:139:A:ALA:HA	6	0.17	0.04	0.16
(1,83)	1:78:A:ILE:HD13	1:139:A:ALA:HA	6	0.17	0.04	0.16
(1,1918)	1:89:A:GLN:H	1:148:A:ALA:HA	6	0.17	0.05	0.18
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG11	6	0.16	0.02	0.16
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG12	6	0.16	0.02	0.16
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG13	6	0.16	0.02	0.16
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG21	6	0.16	0.02	0.16
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG22	6	0.16	0.02	0.16
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG23	6	0.16	0.02	0.16
(1,3081)	1:43:A:ALA:H	1:44:A:GLN:HE21	6	0.12	0.02	0.12
(1,3081)	1:43:A:ALA:H	1:44:A:GLN:HE22	6	0.12	0.02	0.12
(1,2801)	1:4:A:THR:HG21	1:38:A:ARG:HG2	5	0.34	0.11	0.34
(1,2801)	1:4:A:THR:HG21	1:38:A:ARG:HG3	5	0.34	0.11	0.34
(1,2801)	1:4:A:THR:HG22	1:38:A:ARG:HG2	5	0.34	0.11	0.34
(1,2801)	1:4:A:THR:HG22	1:38:A:ARG:HG3	5	0.34	0.11	0.34
(1,2801)	1:4:A:THR:HG23	1:38:A:ARG:HG2	5	0.34	0.11	0.34
(1,2801)	1:4:A:THR:HG23	1:38:A:ARG:HG3	5	0.34	0.11	0.34
(1,231)	1:31:A:THR:HG21	1:33:A:GLN:HG2	5	0.27	0.08	0.22
(1,231)	1:31:A:THR:HG21	1:33:A:GLN:HG3	5	0.27	0.08	0.22
(1,231)	1:31:A:THR:HG22	1:33:A:GLN:HG2	5	0.27	0.08	0.22
(1,231)	1:31:A:THR:HG22	1:33:A:GLN:HG3	5	0.27	0.08	0.22
(1,231)	1:31:A:THR:HG23	1:33:A:GLN:HG2	5	0.27	0.08	0.22
(1,231)	1:31:A:THR:HG23	1:33:A:GLN:HG3	5	0.27	0.08	0.22
(1,489)	1:14:A:GLY:HA2	1:153:A:THR:HA	5	0.26	0.11	0.23
(1,377)	1:92:A:ALA:HA	1:94:A:GLY:H	5	0.25	0.02	0.25
(1,216)	1:27:A:SER:HB3	1:56:A:ILE:HG21	5	0.23	0.06	0.19
(1,216)	1:27:A:SER:HB3	1:56:A:ILE:HG22	5	0.23	0.06	0.19
(1,216)	1:27:A:SER:HB3	1:56:A:ILE:HG23	5	0.23	0.06	0.19

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,398)	1:78:A:ILE:HD11	1:100:A:GLY:HA3	5	0.23	0.05	0.22
(1,398)	1:78:A:ILE:HD12	1:100:A:GLY:HA3	5	0.23	0.05	0.22
(1,398)	1:78:A:ILE:HD13	1:100:A:GLY:HA3	5	0.23	0.05	0.22
(1,1415)	1:93:A:ALA:H	1:95:A:SER:H	5	0.22	0.06	0.25
(1,353)	1:99:A:VAL:HG21	1:100:A:GLY:H	5	0.22	0.03	0.21
(1,353)	1:99:A:VAL:HG22	1:100:A:GLY:H	5	0.22	0.03	0.21
(1,353)	1:99:A:VAL:HG23	1:100:A:GLY:H	5	0.22	0.03	0.21
(1,1677)	1:31:A:THR:HG21	1:33:A:GLN:HE21	5	0.22	0.04	0.22
(1,1677)	1:31:A:THR:HG22	1:33:A:GLN:HE21	5	0.22	0.04	0.22
(1,1677)	1:31:A:THR:HG23	1:33:A:GLN:HE21	5	0.22	0.04	0.22
(1,3023)	1:34:A:LEU:HD11	1:148:A:ALA:HB1	5	0.21	0.07	0.18
(1,3023)	1:34:A:LEU:HD11	1:148:A:ALA:HB2	5	0.21	0.07	0.18
(1,3023)	1:34:A:LEU:HD11	1:148:A:ALA:HB3	5	0.21	0.07	0.18
(1,3023)	1:34:A:LEU:HD12	1:148:A:ALA:HB1	5	0.21	0.07	0.18
(1,3023)	1:34:A:LEU:HD12	1:148:A:ALA:HB2	5	0.21	0.07	0.18
(1,3023)	1:34:A:LEU:HD12	1:148:A:ALA:HB3	5	0.21	0.07	0.18
(1,3023)	1:34:A:LEU:HD13	1:148:A:ALA:HB1	5	0.21	0.07	0.18
(1,3023)	1:34:A:LEU:HD13	1:148:A:ALA:HB2	5	0.21	0.07	0.18
(1,3023)	1:34:A:LEU:HD13	1:148:A:ALA:HB3	5	0.21	0.07	0.18
(1,3023)	1:34:A:LEU:HD21	1:148:A:ALA:HB1	5	0.21	0.07	0.18
(1,3023)	1:34:A:LEU:HD21	1:148:A:ALA:HB2	5	0.21	0.07	0.18
(1,3023)	1:34:A:LEU:HD21	1:148:A:ALA:HB3	5	0.21	0.07	0.18
(1,3023)	1:34:A:LEU:HD22	1:148:A:ALA:HB1	5	0.21	0.07	0.18
(1,3023)	1:34:A:LEU:HD22	1:148:A:ALA:HB2	5	0.21	0.07	0.18
(1,3023)	1:34:A:LEU:HD22	1:148:A:ALA:HB3	5	0.21	0.07	0.18
(1,3023)	1:34:A:LEU:HD23	1:148:A:ALA:HB1	5	0.21	0.07	0.18
(1,3023)	1:34:A:LEU:HD23	1:148:A:ALA:HB2	5	0.21	0.07	0.18
(1,3023)	1:34:A:LEU:HD23	1:148:A:ALA:HB3	5	0.21	0.07	0.18
(1,1878)	1:78:A:ILE:HD11	1:87:A:ALA:HA	5	0.2	0.02	0.19
(1,1878)	1:78:A:ILE:HD12	1:87:A:ALA:HA	5	0.2	0.02	0.19
(1,1878)	1:78:A:ILE:HD13	1:87:A:ALA:HA	5	0.2	0.02	0.19
(1,2000)	1:103:A:ILE:HG21	1:111:A:LEU:HD21	5	0.2	0.06	0.19
(1,2000)	1:103:A:ILE:HG21	1:111:A:LEU:HD22	5	0.2	0.06	0.19
(1,2000)	1:103:A:ILE:HG21	1:111:A:LEU:HD23	5	0.2	0.06	0.19
(1,2000)	1:103:A:ILE:HG22	1:111:A:LEU:HD21	5	0.2	0.06	0.19
(1,2000)	1:103:A:ILE:HG22	1:111:A:LEU:HD22	5	0.2	0.06	0.19
(1,2000)	1:103:A:ILE:HG22	1:111:A:LEU:HD23	5	0.2	0.06	0.19
(1,2000)	1:103:A:ILE:HG23	1:111:A:LEU:HD21	5	0.2	0.06	0.19
(1,2000)	1:103:A:ILE:HG23	1:111:A:LEU:HD22	5	0.2	0.06	0.19
(1,2000)	1:103:A:ILE:HG23	1:111:A:LEU:HD23	5	0.2	0.06	0.19
(1,654)	1:38:A:ARG:HD2	1:40:A:ALA:HB1	5	0.19	0.04	0.19
(1,654)	1:38:A:ARG:HD2	1:40:A:ALA:HB2	5	0.19	0.04	0.19

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,654)	1:38:A:ARG:HD2	1:40:A:ALA:HB3	5	0.19	0.04	0.19
(1,654)	1:38:A:ARG:HD3	1:40:A:ALA:HB1	5	0.19	0.04	0.19
(1,654)	1:38:A:ARG:HD3	1:40:A:ALA:HB2	5	0.19	0.04	0.19
(1,654)	1:38:A:ARG:HD3	1:40:A:ALA:HB3	5	0.19	0.04	0.19
(1,33)	1:91:A:SER:H	1:93:A:ALA:H	5	0.19	0.02	0.19
(1,1623)	1:154:A:PHE:HE1	1:156:A:VAL:H	5	0.19	0.02	0.19
(1,1623)	1:154:A:PHE:HE2	1:156:A:VAL:H	5	0.19	0.02	0.19
(1,3378)	1:94:A:GLY:HA2	1:147:A:ALA:HB1	5	0.18	0.06	0.15
(1,3378)	1:94:A:GLY:HA2	1:147:A:ALA:HB2	5	0.18	0.06	0.15
(1,3378)	1:94:A:GLY:HA2	1:147:A:ALA:HB3	5	0.18	0.06	0.15
(1,3378)	1:94:A:GLY:HA3	1:147:A:ALA:HB1	5	0.18	0.06	0.15
(1,3378)	1:94:A:GLY:HA3	1:147:A:ALA:HB2	5	0.18	0.06	0.15
(1,3378)	1:94:A:GLY:HA3	1:147:A:ALA:HB3	5	0.18	0.06	0.15
(1,2439)	1:51:A:ALA:HA	1:135:A:ALA:H	5	0.17	0.05	0.16
(1,3387)	1:99:A:VAL:HG11	1:100:A:GLY:H	5	0.17	0.02	0.16
(1,3387)	1:99:A:VAL:HG12	1:100:A:GLY:H	5	0.17	0.02	0.16
(1,3387)	1:99:A:VAL:HG13	1:100:A:GLY:H	5	0.17	0.02	0.16
(1,3387)	1:99:A:VAL:HG21	1:100:A:GLY:H	5	0.17	0.02	0.16
(1,3387)	1:99:A:VAL:HG22	1:100:A:GLY:H	5	0.17	0.02	0.16
(1,3387)	1:99:A:VAL:HG23	1:100:A:GLY:H	5	0.17	0.02	0.16
(1,2219)	1:159:A:GLN:H	1:159:A:GLN:HG2	5	0.16	0.05	0.13
(1,2219)	1:159:A:GLN:H	1:159:A:GLN:HG3	5	0.16	0.05	0.13
(1,469)	1:85:A:VAL:H	1:113:A:LEU:HD11	5	0.15	0.06	0.13
(1,469)	1:85:A:VAL:H	1:113:A:LEU:HD12	5	0.15	0.06	0.13
(1,469)	1:85:A:VAL:H	1:113:A:LEU:HD13	5	0.15	0.06	0.13
(1,469)	1:85:A:VAL:H	1:113:A:LEU:HD21	5	0.15	0.06	0.13
(1,469)	1:85:A:VAL:H	1:113:A:LEU:HD22	5	0.15	0.06	0.13
(1,469)	1:85:A:VAL:H	1:113:A:LEU:HD23	5	0.15	0.06	0.13
(1,1896)	1:83:A:THR:H	1:83:A:THR:HG21	5	0.15	0.02	0.15
(1,1896)	1:83:A:THR:H	1:83:A:THR:HG22	5	0.15	0.02	0.15
(1,1896)	1:83:A:THR:H	1:83:A:THR:HG23	5	0.15	0.02	0.15
(1,296)	1:55:A:ASN:HA	1:131:A:ILE:HB	5	0.15	0.02	0.16
(1,859)	1:44:A:GLN:H	1:47:A:ALA:H	5	0.15	0.04	0.12
(1,2883)	1:14:A:GLY:HA2	1:28:A:VAL:HG11	5	0.14	0.02	0.15
(1,2883)	1:14:A:GLY:HA2	1:28:A:VAL:HG12	5	0.14	0.02	0.15
(1,2883)	1:14:A:GLY:HA2	1:28:A:VAL:HG13	5	0.14	0.02	0.15
(1,2883)	1:14:A:GLY:HA2	1:28:A:VAL:HG21	5	0.14	0.02	0.15
(1,2883)	1:14:A:GLY:HA2	1:28:A:VAL:HG22	5	0.14	0.02	0.15
(1,2883)	1:14:A:GLY:HA2	1:28:A:VAL:HG23	5	0.14	0.02	0.15
(1,1881)	1:78:A:ILE:HG21	1:82:A:HIS:H	5	0.14	0.02	0.15
(1,1881)	1:78:A:ILE:HG22	1:82:A:HIS:H	5	0.14	0.02	0.15
(1,1881)	1:78:A:ILE:HG23	1:82:A:HIS:H	5	0.14	0.02	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1737)	1:48:A:THR:HG21	1:49:A:SER:H	5	0.13	0.02	0.12
(1,1737)	1:48:A:THR:HG22	1:49:A:SER:H	5	0.13	0.02	0.12
(1,1737)	1:48:A:THR:HG23	1:49:A:SER:H	5	0.13	0.02	0.12
(1,970)	1:45:A:GLU:H	1:141:A:GLY:H	5	0.12	0.01	0.12
(1,735)	1:28:A:VAL:HA	1:30:A:GLN:HG2	4	1.4	0.14	1.44
(1,175)	1:30:A:GLN:HE22	1:55:A:ASN:H	4	1.19	0.07	1.19
(1,88)	1:115:A:GLY:HA2	1:155:A:LYS:HE2	4	0.93	0.31	1.04
(1,88)	1:115:A:GLY:HA2	1:155:A:LYS:HE3	4	0.93	0.31	1.04
(1,413)	1:30:A:GLN:HE22	1:54:A:PHE:HD1	4	0.61	0.1	0.66
(1,413)	1:30:A:GLN:HE22	1:54:A:PHE:HD2	4	0.61	0.1	0.66
(1,1061)	1:130:A:THR:HG21	1:132:A:PRO:HA	4	0.6	0.02	0.6
(1,1061)	1:130:A:THR:HG22	1:132:A:PRO:HA	4	0.6	0.02	0.6
(1,1061)	1:130:A:THR:HG23	1:132:A:PRO:HA	4	0.6	0.02	0.6
(1,2977)	1:27:A:SER:HB2	1:30:A:GLN:HG2	4	0.46	0.31	0.34
(1,2977)	1:27:A:SER:HB3	1:30:A:GLN:HG2	4	0.46	0.31	0.34
(1,1284)	1:29:A:ASP:H	1:30:A:GLN:HE21	4	0.42	0.12	0.47
(1,214)	1:13:A:LYS:HD3	1:153:A:THR:HG21	4	0.42	0.15	0.43
(1,214)	1:13:A:LYS:HD3	1:153:A:THR:HG22	4	0.42	0.15	0.43
(1,214)	1:13:A:LYS:HD3	1:153:A:THR:HG23	4	0.42	0.15	0.43
(1,1553)	1:129:A:ASN:HA	1:130:A:THR:HB	4	0.42	0.02	0.43
(1,34)	1:11:A:HIS:HE1	1:13:A:LYS:HG2	4	0.4	0.27	0.31
(1,34)	1:11:A:HIS:HE1	1:13:A:LYS:HG3	4	0.4	0.27	0.31
(1,3169)	1:57:A:GLN:HE21	1:128:A:THR:HG21	4	0.36	0.09	0.36
(1,3169)	1:57:A:GLN:HE21	1:128:A:THR:HG22	4	0.36	0.09	0.36
(1,3169)	1:57:A:GLN:HE21	1:128:A:THR:HG23	4	0.36	0.09	0.36
(1,3169)	1:57:A:GLN:HE22	1:128:A:THR:HG21	4	0.36	0.09	0.36
(1,3169)	1:57:A:GLN:HE22	1:128:A:THR:HG22	4	0.36	0.09	0.36
(1,3169)	1:57:A:GLN:HE22	1:128:A:THR:HG23	4	0.36	0.09	0.36
(1,2122)	1:130:A:THR:H	1:130:A:THR:HB	4	0.35	0.04	0.36
(1,1947)	1:97:A:THR:H	1:144:A:THR:H	4	0.31	0.15	0.24
(1,1923)	1:8:A:GLY:H	1:148:A:ALA:HB1	4	0.3	0.1	0.32
(1,1923)	1:8:A:GLY:H	1:148:A:ALA:HB2	4	0.3	0.1	0.32
(1,1923)	1:8:A:GLY:H	1:148:A:ALA:HB3	4	0.3	0.1	0.32
(1,2422)	1:49:A:SER:H	1:136:A:ARG:HG2	4	0.26	0.07	0.24
(1,2422)	1:49:A:SER:H	1:136:A:ARG:HG3	4	0.26	0.07	0.24
(1,40)	1:103:A:ILE:HA	1:110:A:ALA:HA	4	0.26	0.1	0.26
(1,2992)	1:30:A:GLN:HB2	1:31:A:THR:H	4	0.23	0.09	0.22
(1,2992)	1:30:A:GLN:HB3	1:31:A:THR:H	4	0.23	0.09	0.22
(1,1891)	1:80:A:ALA:HA	1:82:A:HIS:H	4	0.23	0.07	0.24
(1,1872)	1:78:A:ILE:H	1:86:A:LEU:HA	4	0.22	0.03	0.22
(1,740)	1:42:A:LEU:HA	1:43:A:ALA:HB1	4	0.22	0.01	0.22
(1,740)	1:42:A:LEU:HA	1:43:A:ALA:HB2	4	0.22	0.01	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,740)	1:42:A:LEU:HA	1:43:A:ALA:HB3	4	0.22	0.01	0.22
(1,2644)	1:78:A:ILE:HG21	1:99:A:VAL:H	4	0.22	0.05	0.24
(1,2644)	1:78:A:ILE:HG22	1:99:A:VAL:H	4	0.22	0.05	0.24
(1,2644)	1:78:A:ILE:HG23	1:99:A:VAL:H	4	0.22	0.05	0.24
(1,2998)	1:33:A:GLN:HG2	1:35:A:GLY:HA2	4	0.21	0.04	0.22
(1,2998)	1:33:A:GLN:HG2	1:35:A:GLY:HA3	4	0.21	0.04	0.22
(1,2998)	1:33:A:GLN:HG3	1:35:A:GLY:HA2	4	0.21	0.04	0.22
(1,2998)	1:33:A:GLN:HG3	1:35:A:GLY:HA3	4	0.21	0.04	0.22
(1,19)	1:57:A:GLN:HE22	1:128:A:THR:HG21	4	0.21	0.1	0.18
(1,19)	1:57:A:GLN:HE22	1:128:A:THR:HG22	4	0.21	0.1	0.18
(1,19)	1:57:A:GLN:HE22	1:128:A:THR:HG23	4	0.21	0.1	0.18
(1,112)	1:68:A:LYS:H	1:158:A:TYR:HD1	4	0.21	0.04	0.21
(1,112)	1:68:A:LYS:H	1:158:A:TYR:HD2	4	0.21	0.04	0.21
(1,876)	1:64:A:ASN:H	1:65:A:VAL:HB	4	0.2	0.07	0.2
(1,1733)	1:48:A:THR:HB	1:136:A:ARG:HG2	4	0.2	0.04	0.22
(1,1733)	1:48:A:THR:HB	1:136:A:ARG:HG3	4	0.2	0.04	0.22
(1,2975)	1:27:A:SER:HB2	1:28:A:VAL:H	4	0.19	0.02	0.2
(1,2975)	1:27:A:SER:HB3	1:28:A:VAL:H	4	0.19	0.02	0.2
(1,2529)	1:66:A:ALA:HB1	1:158:A:TYR:HA	4	0.19	0.05	0.19
(1,2529)	1:66:A:ALA:HB2	1:158:A:TYR:HA	4	0.19	0.05	0.19
(1,2529)	1:66:A:ALA:HB3	1:158:A:TYR:HA	4	0.19	0.05	0.19
(1,748)	1:54:A:PHE:HD1	1:134:A:GLN:H	4	0.18	0.05	0.18
(1,748)	1:54:A:PHE:HD2	1:134:A:GLN:H	4	0.18	0.05	0.18
(1,792)	1:103:A:ILE:HD11	1:135:A:ALA:HA	4	0.18	0.08	0.16
(1,792)	1:103:A:ILE:HD12	1:135:A:ALA:HA	4	0.18	0.08	0.16
(1,792)	1:103:A:ILE:HD13	1:135:A:ALA:HA	4	0.18	0.08	0.16
(1,670)	1:70:A:ALA:HB1	1:121:A:GLU:HG2	4	0.18	0.05	0.2
(1,670)	1:70:A:ALA:HB2	1:121:A:GLU:HG2	4	0.18	0.05	0.2
(1,670)	1:70:A:ALA:HB3	1:121:A:GLU:HG2	4	0.18	0.05	0.2
(1,981)	1:52:A:VAL:HA	1:54:A:PHE:H	4	0.18	0.04	0.16
(1,252)	1:22:A:ALA:H	1:58:A:LEU:HD11	4	0.15	0.03	0.16
(1,252)	1:22:A:ALA:H	1:58:A:LEU:HD12	4	0.15	0.03	0.16
(1,252)	1:22:A:ALA:H	1:58:A:LEU:HD13	4	0.15	0.03	0.16
(1,658)	1:51:A:ALA:HB1	1:134:A:GLN:HE21	4	0.15	0.03	0.13
(1,658)	1:51:A:ALA:HB2	1:134:A:GLN:HE21	4	0.15	0.03	0.13
(1,658)	1:51:A:ALA:HB3	1:134:A:GLN:HE21	4	0.15	0.03	0.13
(1,2798)	1:4:A:THR:HB	1:36:A:GLN:HG2	4	0.14	0.02	0.15
(1,2798)	1:4:A:THR:HB	1:36:A:GLN:HG3	4	0.14	0.02	0.15
(1,222)	1:97:A:THR:HG21	1:98:A:ASN:HD21	4	0.14	0.02	0.14
(1,222)	1:97:A:THR:HG22	1:98:A:ASN:HD21	4	0.14	0.02	0.14
(1,222)	1:97:A:THR:HG23	1:98:A:ASN:HD21	4	0.14	0.02	0.14
(1,3490)	1:151:A:ASP:HB2	1:152:A:ALA:H	4	0.13	0.01	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3490)	1:151:A:ASP:HB3	1:152:A:ALA:H	4	0.13	0.01	0.12
(1,3106)	1:49:A:SER:HB2	1:50:A:SER:H	4	0.12	0.01	0.12
(1,3106)	1:49:A:SER:HB3	1:50:A:SER:H	4	0.12	0.01	0.12
(1,3131)	1:52:A:VAL:HG11	1:53:A:GLY:H	4	0.11	0.01	0.11
(1,3131)	1:52:A:VAL:HG12	1:53:A:GLY:H	4	0.11	0.01	0.11
(1,3131)	1:52:A:VAL:HG13	1:53:A:GLY:H	4	0.11	0.01	0.11
(1,3131)	1:52:A:VAL:HG21	1:53:A:GLY:H	4	0.11	0.01	0.11
(1,3131)	1:52:A:VAL:HG22	1:53:A:GLY:H	4	0.11	0.01	0.11
(1,3131)	1:52:A:VAL:HG23	1:53:A:GLY:H	4	0.11	0.01	0.11
(1,3366)	1:89:A:GLN:HB2	1:149:A:ASN:HD21	3	0.42	0.09	0.43
(1,3366)	1:89:A:GLN:HB3	1:149:A:ASN:HD21	3	0.42	0.09	0.43
(1,160)	1:10:A:VAL:HG11	1:12:A:PHE:HD1	3	0.39	0.22	0.4
(1,160)	1:10:A:VAL:HG11	1:12:A:PHE:HD2	3	0.39	0.22	0.4
(1,160)	1:10:A:VAL:HG12	1:12:A:PHE:HD1	3	0.39	0.22	0.4
(1,160)	1:10:A:VAL:HG12	1:12:A:PHE:HD2	3	0.39	0.22	0.4
(1,160)	1:10:A:VAL:HG13	1:12:A:PHE:HD1	3	0.39	0.22	0.4
(1,160)	1:10:A:VAL:HG13	1:12:A:PHE:HD2	3	0.39	0.22	0.4
(1,796)	1:106:A:ARG:HE	1:120:A:SER:HB3	3	0.27	0.04	0.27
(1,2459)	1:55:A:ASN:HA	1:130:A:THR:HG21	3	0.24	0.02	0.24
(1,2459)	1:55:A:ASN:HA	1:130:A:THR:HG22	3	0.24	0.02	0.24
(1,2459)	1:55:A:ASN:HA	1:130:A:THR:HG23	3	0.24	0.02	0.24
(1,2635)	1:78:A:ILE:HA	1:88:A:LEU:H	3	0.24	0.03	0.26
(1,2350)	1:39:A:THR:HG21	1:145:A:PRO:HG2	3	0.22	0.02	0.24
(1,2350)	1:39:A:THR:HG22	1:145:A:PRO:HG2	3	0.22	0.02	0.24
(1,2350)	1:39:A:THR:HG23	1:145:A:PRO:HG2	3	0.22	0.02	0.24
(1,43)	1:42:A:LEU:HD11	1:50:A:SER:H	3	0.21	0.04	0.19
(1,43)	1:42:A:LEU:HD12	1:50:A:SER:H	3	0.21	0.04	0.19
(1,43)	1:42:A:LEU:HD13	1:50:A:SER:H	3	0.21	0.04	0.19
(1,43)	1:42:A:LEU:HD21	1:50:A:SER:H	3	0.21	0.04	0.19
(1,43)	1:42:A:LEU:HD22	1:50:A:SER:H	3	0.21	0.04	0.19
(1,43)	1:42:A:LEU:HD23	1:50:A:SER:H	3	0.21	0.04	0.19
(1,1174)	1:100:A:GLY:H	1:140:A:THR:HG21	3	0.2	0.05	0.22
(1,1174)	1:100:A:GLY:H	1:140:A:THR:HG22	3	0.2	0.05	0.22
(1,1174)	1:100:A:GLY:H	1:140:A:THR:HG23	3	0.2	0.05	0.22
(1,727)	1:21:A:CYS:HA	1:61:A:CYS:H	3	0.17	0.05	0.16
(1,1022)	1:91:A:SER:H	1:94:A:GLY:H	3	0.17	0.05	0.16
(1,492)	1:17:A:VAL:HG21	1:19:A:ALA:H	3	0.17	0.06	0.14
(1,492)	1:17:A:VAL:HG22	1:19:A:ALA:H	3	0.17	0.06	0.14
(1,492)	1:17:A:VAL:HG23	1:19:A:ALA:H	3	0.17	0.06	0.14
(1,1158)	1:86:A:LEU:HG	1:101:A:VAL:H	3	0.15	0.02	0.16
(1,788)	1:101:A:VAL:H	1:150:A:ALA:HB1	3	0.15	0.05	0.12
(1,788)	1:101:A:VAL:H	1:150:A:ALA:HB2	3	0.15	0.05	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,788)	1:101:A:VAL:H	1:150:A:ALA:HB3	3	0.15	0.05	0.12
(1,1877)	1:78:A:ILE:HD11	1:140:A:THR:HA	3	0.15	0.02	0.13
(1,1877)	1:78:A:ILE:HD12	1:140:A:THR:HA	3	0.15	0.02	0.13
(1,1877)	1:78:A:ILE:HD13	1:140:A:THR:HA	3	0.15	0.02	0.13
(1,2408)	1:46:A:GLY:H	1:140:A:THR:HG21	3	0.14	0.02	0.14
(1,2408)	1:46:A:GLY:H	1:140:A:THR:HG22	3	0.14	0.02	0.14
(1,2408)	1:46:A:GLY:H	1:140:A:THR:HG23	3	0.14	0.02	0.14
(1,1618)	1:152:A:ALA:HB1	1:153:A:THR:H	3	0.13	0.01	0.13
(1,1618)	1:152:A:ALA:HB2	1:153:A:THR:H	3	0.13	0.01	0.13
(1,1618)	1:152:A:ALA:HB3	1:153:A:THR:H	3	0.13	0.01	0.13
(1,2793)	1:9:A:THR:HG21	1:33:A:GLN:H	3	0.13	0.02	0.13
(1,2793)	1:9:A:THR:HG22	1:33:A:GLN:H	3	0.13	0.02	0.13
(1,2793)	1:9:A:THR:HG23	1:33:A:GLN:H	3	0.13	0.02	0.13
(1,3011)	1:34:A:LEU:HD11	1:37:A:VAL:HG11	3	0.13	0.02	0.13
(1,3011)	1:34:A:LEU:HD11	1:37:A:VAL:HG12	3	0.13	0.02	0.13
(1,3011)	1:34:A:LEU:HD11	1:37:A:VAL:HG13	3	0.13	0.02	0.13
(1,3011)	1:34:A:LEU:HD11	1:37:A:VAL:HG21	3	0.13	0.02	0.13
(1,3011)	1:34:A:LEU:HD11	1:37:A:VAL:HG22	3	0.13	0.02	0.13
(1,3011)	1:34:A:LEU:HD11	1:37:A:VAL:HG23	3	0.13	0.02	0.13
(1,3011)	1:34:A:LEU:HD12	1:37:A:VAL:HG11	3	0.13	0.02	0.13
(1,3011)	1:34:A:LEU:HD12	1:37:A:VAL:HG12	3	0.13	0.02	0.13
(1,3011)	1:34:A:LEU:HD12	1:37:A:VAL:HG13	3	0.13	0.02	0.13
(1,3011)	1:34:A:LEU:HD12	1:37:A:VAL:HG21	3	0.13	0.02	0.13
(1,3011)	1:34:A:LEU:HD12	1:37:A:VAL:HG22	3	0.13	0.02	0.13
(1,3011)	1:34:A:LEU:HD12	1:37:A:VAL:HG23	3	0.13	0.02	0.13
(1,3011)	1:34:A:LEU:HD13	1:37:A:VAL:HG11	3	0.13	0.02	0.13
(1,3011)	1:34:A:LEU:HD13	1:37:A:VAL:HG12	3	0.13	0.02	0.13
(1,3011)	1:34:A:LEU:HD13	1:37:A:VAL:HG13	3	0.13	0.02	0.13
(1,3011)	1:34:A:LEU:HD13	1:37:A:VAL:HG21	3	0.13	0.02	0.13
(1,3011)	1:34:A:LEU:HD13	1:37:A:VAL:HG22	3	0.13	0.02	0.13
(1,3011)	1:34:A:LEU:HD13	1:37:A:VAL:HG23	3	0.13	0.02	0.13
(1,3011)	1:34:A:LEU:HD21	1:37:A:VAL:HG11	3	0.13	0.02	0.13
(1,3011)	1:34:A:LEU:HD21	1:37:A:VAL:HG12	3	0.13	0.02	0.13
(1,3011)	1:34:A:LEU:HD21	1:37:A:VAL:HG13	3	0.13	0.02	0.13
(1,3011)	1:34:A:LEU:HD21	1:37:A:VAL:HG21	3	0.13	0.02	0.13
(1,3011)	1:34:A:LEU:HD21	1:37:A:VAL:HG22	3	0.13	0.02	0.13
(1,3011)	1:34:A:LEU:HD21	1:37:A:VAL:HG23	3	0.13	0.02	0.13
(1,3011)	1:34:A:LEU:HD22	1:37:A:VAL:HG11	3	0.13	0.02	0.13
(1,3011)	1:34:A:LEU:HD22	1:37:A:VAL:HG12	3	0.13	0.02	0.13
(1,3011)	1:34:A:LEU:HD22	1:37:A:VAL:HG13	3	0.13	0.02	0.13
(1,3011)	1:34:A:LEU:HD22	1:37:A:VAL:HG21	3	0.13	0.02	0.13
(1,3011)	1:34:A:LEU:HD22	1:37:A:VAL:HG22	3	0.13	0.02	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3011)	1:34:A:LEU:HD22	1:37:A:VAL:HG23	3	0.13	0.02	0.13
(1,3011)	1:34:A:LEU:HD23	1:37:A:VAL:HG11	3	0.13	0.02	0.13
(1,3011)	1:34:A:LEU:HD23	1:37:A:VAL:HG12	3	0.13	0.02	0.13
(1,3011)	1:34:A:LEU:HD23	1:37:A:VAL:HG13	3	0.13	0.02	0.13
(1,3011)	1:34:A:LEU:HD23	1:37:A:VAL:HG21	3	0.13	0.02	0.13
(1,3011)	1:34:A:LEU:HD23	1:37:A:VAL:HG22	3	0.13	0.02	0.13
(1,3011)	1:34:A:LEU:HD23	1:37:A:VAL:HG23	3	0.13	0.02	0.13
(1,69)	1:88:A:LEU:HA	1:149:A:ASN:HA	3	0.13	0.02	0.11
(1,1058)	1:12:A:PHE:HA	1:12:A:PHE:HE1	3	0.13	0.02	0.12
(1,1058)	1:12:A:PHE:HA	1:12:A:PHE:HE2	3	0.13	0.02	0.12
(1,1421)	1:96:A:ALA:HB1	1:99:A:VAL:HB	3	0.12	0.01	0.11
(1,1421)	1:96:A:ALA:HB2	1:99:A:VAL:HB	3	0.12	0.01	0.11
(1,1421)	1:96:A:ALA:HB3	1:99:A:VAL:HB	3	0.12	0.01	0.11
(1,1932)	1:91:A:SER:HA	1:92:A:ALA:HA	3	0.11	0.01	0.11
(1,503)	1:54:A:PHE:H	1:55:A:ASN:H	3	0.11	0.01	0.11
(1,1981)	1:100:A:GLY:H	1:139:A:ALA:HA	3	0.11	0.01	0.12
(1,3283)	1:78:A:ILE:H	1:85:A:VAL:HG11	3	0.11	0.01	0.1
(1,3283)	1:78:A:ILE:H	1:85:A:VAL:HG12	3	0.11	0.01	0.1
(1,3283)	1:78:A:ILE:H	1:85:A:VAL:HG13	3	0.11	0.01	0.1
(1,3283)	1:78:A:ILE:H	1:85:A:VAL:HG21	3	0.11	0.01	0.1
(1,3283)	1:78:A:ILE:H	1:85:A:VAL:HG22	3	0.11	0.01	0.1
(1,3283)	1:78:A:ILE:H	1:85:A:VAL:HG23	3	0.11	0.01	0.1
(1,3040)	1:38:A:ARG:H	1:38:A:ARG:HG2	2	0.41	0.0	0.41
(1,3040)	1:38:A:ARG:H	1:38:A:ARG:HG3	2	0.41	0.0	0.41
(1,2436)	1:4:A:THR:HG21	1:38:A:ARG:HD2	2	0.38	0.02	0.38
(1,2436)	1:4:A:THR:HG21	1:38:A:ARG:HD3	2	0.38	0.02	0.38
(1,2436)	1:4:A:THR:HG22	1:38:A:ARG:HD2	2	0.38	0.02	0.38
(1,2436)	1:4:A:THR:HG22	1:38:A:ARG:HD3	2	0.38	0.02	0.38
(1,2436)	1:4:A:THR:HG23	1:38:A:ARG:HD2	2	0.38	0.02	0.38
(1,2436)	1:4:A:THR:HG23	1:38:A:ARG:HD3	2	0.38	0.02	0.38
(1,2867)	1:10:A:VAL:HG11	1:152:A:ALA:H	2	0.34	0.1	0.34
(1,2867)	1:10:A:VAL:HG12	1:152:A:ALA:H	2	0.34	0.1	0.34
(1,2867)	1:10:A:VAL:HG13	1:152:A:ALA:H	2	0.34	0.1	0.34
(1,2867)	1:10:A:VAL:HG21	1:152:A:ALA:H	2	0.34	0.1	0.34
(1,2867)	1:10:A:VAL:HG22	1:152:A:ALA:H	2	0.34	0.1	0.34
(1,2867)	1:10:A:VAL:HG23	1:152:A:ALA:H	2	0.34	0.1	0.34
(1,1664)	1:27:A:SER:HA	1:30:A:GLN:HE21	2	0.34	0.05	0.34
(1,2171)	1:13:A:LYS:HE2	1:153:A:THR:HG21	2	0.34	0.19	0.34
(1,2171)	1:13:A:LYS:HE2	1:153:A:THR:HG22	2	0.34	0.19	0.34
(1,2171)	1:13:A:LYS:HE2	1:153:A:THR:HG23	2	0.34	0.19	0.34
(1,2171)	1:13:A:LYS:HE3	1:153:A:THR:HG21	2	0.34	0.19	0.34
(1,2171)	1:13:A:LYS:HE3	1:153:A:THR:HG22	2	0.34	0.19	0.34

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2171)	1:13:A:LYS:HE3	1:153:A:THR:HG23	2	0.34	0.19	0.34
(1,818)	1:12:A:PHE:H	1:30:A:GLN:HG3	2	0.32	0.16	0.32
(1,524)	1:106:A:ARG:HE	1:120:A:SER:HB2	2	0.3	0.01	0.3
(1,935)	1:124:A:LEU:HA	1:129:A:ASN:HD21	2	0.26	0.01	0.26
(1,1395)	1:79:A:ASP:HA	1:81:A:GLY:H	2	0.26	0.01	0.26
(1,1673)	1:29:A:ASP:H	1:30:A:GLN:HG2	2	0.24	0.1	0.24
(1,1934)	1:92:A:ALA:H	1:95:A:SER:HB2	2	0.24	0.07	0.24
(1,1934)	1:92:A:ALA:H	1:95:A:SER:HB3	2	0.24	0.07	0.24
(1,168)	1:103:A:ILE:H	1:110:A:ALA:HB1	2	0.23	0.06	0.23
(1,168)	1:103:A:ILE:H	1:110:A:ALA:HB2	2	0.23	0.06	0.23
(1,168)	1:103:A:ILE:H	1:110:A:ALA:HB3	2	0.23	0.06	0.23
(1,158)	1:103:A:ILE:HB	1:111:A:LEU:H	2	0.2	0.03	0.2
(1,695)	1:114:A:ASP:H	1:116:A:ALA:H	2	0.2	0.02	0.2
(1,2170)	1:13:A:LYS:HB2	1:153:A:THR:HA	2	0.2	0.03	0.2
(1,2735)	1:93:A:ALA:H	1:95:A:SER:HB2	2	0.2	0.04	0.2
(1,2735)	1:93:A:ALA:H	1:95:A:SER:HB3	2	0.2	0.04	0.2
(1,2486)	1:56:A:ILE:HG21	1:71:A:VAL:HG21	2	0.2	0.01	0.2
(1,2486)	1:56:A:ILE:HG21	1:71:A:VAL:HG22	2	0.2	0.01	0.2
(1,2486)	1:56:A:ILE:HG21	1:71:A:VAL:HG23	2	0.2	0.01	0.2
(1,2486)	1:56:A:ILE:HG22	1:71:A:VAL:HG21	2	0.2	0.01	0.2
(1,2486)	1:56:A:ILE:HG22	1:71:A:VAL:HG22	2	0.2	0.01	0.2
(1,2486)	1:56:A:ILE:HG22	1:71:A:VAL:HG23	2	0.2	0.01	0.2
(1,2486)	1:56:A:ILE:HG23	1:71:A:VAL:HG21	2	0.2	0.01	0.2
(1,2486)	1:56:A:ILE:HG23	1:71:A:VAL:HG22	2	0.2	0.01	0.2
(1,2486)	1:56:A:ILE:HG23	1:71:A:VAL:HG23	2	0.2	0.01	0.2
(1,411)	1:19:A:ALA:HB1	1:158:A:TYR:HE1	2	0.19	0.01	0.19
(1,411)	1:19:A:ALA:HB1	1:158:A:TYR:HE2	2	0.19	0.01	0.19
(1,411)	1:19:A:ALA:HB2	1:158:A:TYR:HE1	2	0.19	0.01	0.19
(1,411)	1:19:A:ALA:HB2	1:158:A:TYR:HE2	2	0.19	0.01	0.19
(1,411)	1:19:A:ALA:HB3	1:158:A:TYR:HE1	2	0.19	0.01	0.19
(1,411)	1:19:A:ALA:HB3	1:158:A:TYR:HE2	2	0.19	0.01	0.19
(1,3127)	1:51:A:ALA:HB1	1:136:A:ARG:HD2	2	0.19	0.03	0.19
(1,3127)	1:51:A:ALA:HB1	1:136:A:ARG:HD3	2	0.19	0.03	0.19
(1,3127)	1:51:A:ALA:HB2	1:136:A:ARG:HD2	2	0.19	0.03	0.19
(1,3127)	1:51:A:ALA:HB2	1:136:A:ARG:HD3	2	0.19	0.03	0.19
(1,3127)	1:51:A:ALA:HB3	1:136:A:ARG:HD2	2	0.19	0.03	0.19
(1,3127)	1:51:A:ALA:HB3	1:136:A:ARG:HD3	2	0.19	0.03	0.19
(1,837)	1:19:A:ALA:HA	1:21:A:CYS:H	2	0.18	0.01	0.18
(1,987)	1:57:A:GLN:HE21	1:128:A:THR:HG21	2	0.18	0.01	0.18
(1,987)	1:57:A:GLN:HE21	1:128:A:THR:HG22	2	0.18	0.01	0.18
(1,987)	1:57:A:GLN:HE21	1:128:A:THR:HG23	2	0.18	0.01	0.18
(1,2466)	1:55:A:ASN:HB3	1:130:A:THR:HG21	2	0.18	0.01	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2466)	1:55:A:ASN:HB3	1:130:A:THR:HG22	2	0.18	0.01	0.18
(1,2466)	1:55:A:ASN:HB3	1:130:A:THR:HG23	2	0.18	0.01	0.18
(1,312)	1:4:A:THR:HG21	1:38:A:ARG:H	2	0.18	0.04	0.18
(1,312)	1:4:A:THR:HG22	1:38:A:ARG:H	2	0.18	0.04	0.18
(1,312)	1:4:A:THR:HG23	1:38:A:ARG:H	2	0.18	0.04	0.18
(1,998)	1:68:A:LYS:HB2	1:69:A:ALA:H	2	0.18	0.06	0.18
(1,2069)	1:115:A:GLY:H	1:116:A:ALA:HB1	2	0.18	0.0	0.18
(1,2069)	1:115:A:GLY:H	1:116:A:ALA:HB2	2	0.18	0.0	0.18
(1,2069)	1:115:A:GLY:H	1:116:A:ALA:HB3	2	0.18	0.0	0.18
(1,2952)	1:23:A:VAL:HG11	1:29:A:ASP:H	2	0.18	0.06	0.18
(1,2952)	1:23:A:VAL:HG12	1:29:A:ASP:H	2	0.18	0.06	0.18
(1,2952)	1:23:A:VAL:HG13	1:29:A:ASP:H	2	0.18	0.06	0.18
(1,2952)	1:23:A:VAL:HG21	1:29:A:ASP:H	2	0.18	0.06	0.18
(1,2952)	1:23:A:VAL:HG22	1:29:A:ASP:H	2	0.18	0.06	0.18
(1,2952)	1:23:A:VAL:HG23	1:29:A:ASP:H	2	0.18	0.06	0.18
(1,610)	1:88:A:LEU:HA	1:149:A:ASN:HB2	2	0.17	0.03	0.17
(1,1033)	1:104:A:LEU:H	1:136:A:ARG:H	2	0.17	0.06	0.17
(1,3472)	1:119:A:SER:HB2	1:120:A:SER:HB2	2	0.17	0.04	0.17
(1,3472)	1:119:A:SER:HB2	1:120:A:SER:HB3	2	0.17	0.04	0.17
(1,3472)	1:119:A:SER:HB3	1:120:A:SER:HB2	2	0.17	0.04	0.17
(1,3472)	1:119:A:SER:HB3	1:120:A:SER:HB3	2	0.17	0.04	0.17
(1,427)	1:77:A:ALA:HB1	1:85:A:VAL:H	2	0.16	0.01	0.16
(1,427)	1:77:A:ALA:HB2	1:85:A:VAL:H	2	0.16	0.01	0.16
(1,427)	1:77:A:ALA:HB3	1:85:A:VAL:H	2	0.16	0.01	0.16
(1,1447)	1:103:A:ILE:HG21	1:111:A:LEU:HD11	2	0.16	0.01	0.16
(1,1447)	1:103:A:ILE:HG21	1:111:A:LEU:HD12	2	0.16	0.01	0.16
(1,1447)	1:103:A:ILE:HG21	1:111:A:LEU:HD13	2	0.16	0.01	0.16
(1,1447)	1:103:A:ILE:HG22	1:111:A:LEU:HD11	2	0.16	0.01	0.16
(1,1447)	1:103:A:ILE:HG22	1:111:A:LEU:HD12	2	0.16	0.01	0.16
(1,1447)	1:103:A:ILE:HG22	1:111:A:LEU:HD13	2	0.16	0.01	0.16
(1,1447)	1:103:A:ILE:HG23	1:111:A:LEU:HD11	2	0.16	0.01	0.16
(1,1447)	1:103:A:ILE:HG23	1:111:A:LEU:HD12	2	0.16	0.01	0.16
(1,1447)	1:103:A:ILE:HG23	1:111:A:LEU:HD13	2	0.16	0.01	0.16
(1,1919)	1:89:A:GLN:H	1:90:A:SER:HA	2	0.16	0.06	0.16
(1,2303)	1:31:A:THR:HG21	1:33:A:GLN:HE22	2	0.16	0.02	0.16
(1,2303)	1:31:A:THR:HG22	1:33:A:GLN:HE22	2	0.16	0.02	0.16
(1,2303)	1:31:A:THR:HG23	1:33:A:GLN:HE22	2	0.16	0.02	0.16
(1,2634)	1:78:A:ILE:HA	1:87:A:ALA:HA	2	0.16	0.02	0.16
(1,1402)	1:86:A:LEU:HD11	1:152:A:ALA:HB1	2	0.16	0.01	0.16
(1,1402)	1:86:A:LEU:HD11	1:152:A:ALA:HB2	2	0.16	0.01	0.16
(1,1402)	1:86:A:LEU:HD11	1:152:A:ALA:HB3	2	0.16	0.01	0.16
(1,1402)	1:86:A:LEU:HD12	1:152:A:ALA:HB1	2	0.16	0.01	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1402)	1:86:A:LEU:HD12	1:152:A:ALA:HB2	2	0.16	0.01	0.16
(1,1402)	1:86:A:LEU:HD12	1:152:A:ALA:HB3	2	0.16	0.01	0.16
(1,1402)	1:86:A:LEU:HD13	1:152:A:ALA:HB1	2	0.16	0.01	0.16
(1,1402)	1:86:A:LEU:HD13	1:152:A:ALA:HB2	2	0.16	0.01	0.16
(1,1402)	1:86:A:LEU:HD13	1:152:A:ALA:HB3	2	0.16	0.01	0.16
(1,2257)	1:22:A:ALA:H	1:59:A:ASN:H	2	0.16	0.02	0.16
(1,3353)	1:88:A:LEU:HD11	1:138:A:PHE:H	2	0.16	0.05	0.16
(1,3353)	1:88:A:LEU:HD12	1:138:A:PHE:H	2	0.16	0.05	0.16
(1,3353)	1:88:A:LEU:HD13	1:138:A:PHE:H	2	0.16	0.05	0.16
(1,3353)	1:88:A:LEU:HD21	1:138:A:PHE:H	2	0.16	0.05	0.16
(1,3353)	1:88:A:LEU:HD22	1:138:A:PHE:H	2	0.16	0.05	0.16
(1,3353)	1:88:A:LEU:HD23	1:138:A:PHE:H	2	0.16	0.05	0.16
(1,3363)	1:89:A:GLN:HB2	1:90:A:SER:H	2	0.16	0.04	0.16
(1,3363)	1:89:A:GLN:HB3	1:90:A:SER:H	2	0.16	0.04	0.16
(1,288)	1:111:A:LEU:HD11	1:131:A:ILE:HG21	2	0.16	0.05	0.16
(1,288)	1:111:A:LEU:HD11	1:131:A:ILE:HG22	2	0.16	0.05	0.16
(1,288)	1:111:A:LEU:HD11	1:131:A:ILE:HG23	2	0.16	0.05	0.16
(1,288)	1:111:A:LEU:HD12	1:131:A:ILE:HG21	2	0.16	0.05	0.16
(1,288)	1:111:A:LEU:HD12	1:131:A:ILE:HG22	2	0.16	0.05	0.16
(1,288)	1:111:A:LEU:HD12	1:131:A:ILE:HG23	2	0.16	0.05	0.16
(1,288)	1:111:A:LEU:HD13	1:131:A:ILE:HG21	2	0.16	0.05	0.16
(1,288)	1:111:A:LEU:HD13	1:131:A:ILE:HG22	2	0.16	0.05	0.16
(1,288)	1:111:A:LEU:HD13	1:131:A:ILE:HG23	2	0.16	0.05	0.16
(1,1735)	1:48:A:THR:HG21	1:138:A:PHE:HA	2	0.16	0.02	0.16
(1,1735)	1:48:A:THR:HG22	1:138:A:PHE:HA	2	0.16	0.02	0.16
(1,1735)	1:48:A:THR:HG23	1:138:A:PHE:HA	2	0.16	0.02	0.16
(1,2061)	1:112:A:THR:HB	1:113:A:LEU:H	2	0.15	0.02	0.15
(1,2351)	1:39:A:THR:HG21	1:146:A:GLY:H	2	0.15	0.02	0.15
(1,2351)	1:39:A:THR:HG22	1:146:A:GLY:H	2	0.15	0.02	0.15
(1,2351)	1:39:A:THR:HG23	1:146:A:GLY:H	2	0.15	0.02	0.15
(1,345)	1:82:A:HIS:HA	1:83:A:THR:HG21	2	0.14	0.04	0.14
(1,345)	1:82:A:HIS:HA	1:83:A:THR:HG22	2	0.14	0.04	0.14
(1,345)	1:82:A:HIS:HA	1:83:A:THR:HG23	2	0.14	0.04	0.14
(1,17)	1:43:A:ALA:HB1	1:44:A:GLN:HA	2	0.14	0.02	0.14
(1,17)	1:43:A:ALA:HB2	1:44:A:GLN:HA	2	0.14	0.02	0.14
(1,17)	1:43:A:ALA:HB3	1:44:A:GLN:HA	2	0.14	0.02	0.14
(1,488)	1:147:A:ALA:HB1	1:148:A:ALA:H	2	0.14	0.02	0.14
(1,488)	1:147:A:ALA:HB2	1:148:A:ALA:H	2	0.14	0.02	0.14
(1,488)	1:147:A:ALA:HB3	1:148:A:ALA:H	2	0.14	0.02	0.14
(1,1121)	1:63:A:THR:H	1:126:A:ASN:HA	2	0.14	0.02	0.14
(1,2011)	1:104:A:LEU:HD11	1:105:A:ASP:H	2	0.14	0.02	0.14
(1,2011)	1:104:A:LEU:HD12	1:105:A:ASP:H	2	0.14	0.02	0.14

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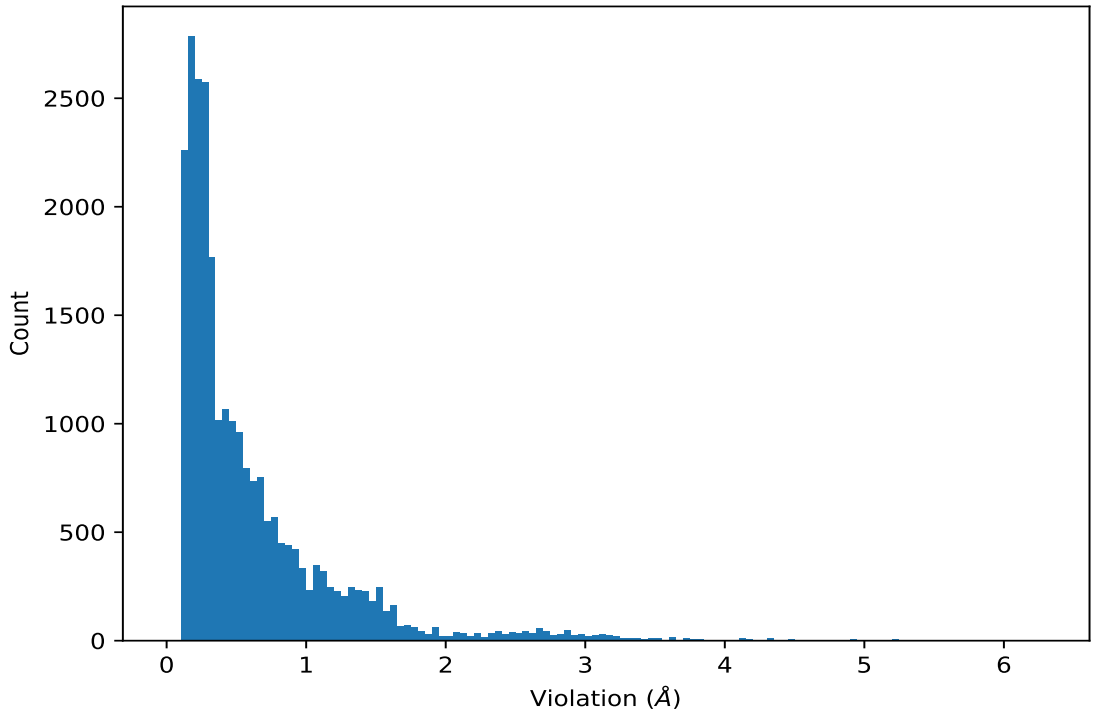
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2011)	1:104:A:LEU:HD13	1:105:A:ASP:H	2	0.14	0.02	0.14
(1,86)	1:103:A:ILE:HA	1:135:A:ALA:HB1	2	0.13	0.01	0.13
(1,86)	1:103:A:ILE:HA	1:135:A:ALA:HB2	2	0.13	0.01	0.13
(1,86)	1:103:A:ILE:HA	1:135:A:ALA:HB3	2	0.13	0.01	0.13
(1,2768)	1:98:A:ASN:HD22	1:143:A:ALA:HA	2	0.13	0.01	0.13
(1,2328)	1:34:A:LEU:HG	1:35:A:GLY:H	2	0.12	0.02	0.12
(1,2982)	1:27:A:SER:HB2	1:56:A:ILE:HD11	2	0.12	0.02	0.12
(1,2982)	1:27:A:SER:HB2	1:56:A:ILE:HD12	2	0.12	0.02	0.12
(1,2982)	1:27:A:SER:HB2	1:56:A:ILE:HD13	2	0.12	0.02	0.12
(1,2982)	1:27:A:SER:HB3	1:56:A:ILE:HD11	2	0.12	0.02	0.12
(1,2982)	1:27:A:SER:HB3	1:56:A:ILE:HD12	2	0.12	0.02	0.12
(1,2982)	1:27:A:SER:HB3	1:56:A:ILE:HD13	2	0.12	0.02	0.12
(1,854)	1:39:A:THR:HG21	1:40:A:ALA:H	2	0.12	0.0	0.12
(1,854)	1:39:A:THR:HG22	1:40:A:ALA:H	2	0.12	0.0	0.12
(1,854)	1:39:A:THR:HG23	1:40:A:ALA:H	2	0.12	0.0	0.12
(1,3033)	1:37:A:VAL:HB	1:42:A:LEU:HD11	2	0.11	0.01	0.11
(1,3033)	1:37:A:VAL:HB	1:42:A:LEU:HD12	2	0.11	0.01	0.11
(1,3033)	1:37:A:VAL:HB	1:42:A:LEU:HD13	2	0.11	0.01	0.11
(1,3033)	1:37:A:VAL:HB	1:42:A:LEU:HD21	2	0.11	0.01	0.11
(1,3033)	1:37:A:VAL:HB	1:42:A:LEU:HD22	2	0.11	0.01	0.11
(1,3033)	1:37:A:VAL:HB	1:42:A:LEU:HD23	2	0.11	0.01	0.11

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

9.5 All violated distance restraints (i)

9.5.1 Histogram : Distribution of distance violations (i)

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



9.5.2 Table : All distance violations (i)

The following table lists the absolute value of the violation for each restraint in the ensemble sorted by its value. The Key (restraint list ID, restraint ID) is the unique identifier for a given restraint. Rows with same key represent combinatorial or ambiguous restraints and are counted as a single restraint.

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,552)	1:89:A:GLN:HE21	1:149:A:ASN:HD22	1	6.29
(1,552)	1:89:A:GLN:HE21	1:149:A:ASN:HD22	9	6.17
(1,38)	1:89:A:GLN:HE21	1:149:A:ASN:HD21	1	5.81
(1,38)	1:89:A:GLN:HE21	1:149:A:ASN:HD21	9	5.68
(1,552)	1:89:A:GLN:HE21	1:149:A:ASN:HD22	8	5.58
(1,439)	1:15:A:GLU:HB3	1:155:A:LYS:HB2	20	5.52
(1,552)	1:89:A:GLN:HE21	1:149:A:ASN:HD22	20	5.5
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG2	2	5.48
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG3	2	5.48
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG2	2	5.48
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG3	2	5.48
(1,439)	1:15:A:GLU:HB3	1:155:A:LYS:HB2	1	5.42
(1,552)	1:89:A:GLN:HE21	1:149:A:ASN:HD22	18	5.4
(1,439)	1:15:A:GLU:HB3	1:155:A:LYS:HB2	14	5.36
(1,439)	1:15:A:GLU:HB3	1:155:A:LYS:HB2	16	5.35
(1,38)	1:89:A:GLN:HE21	1:149:A:ASN:HD21	7	5.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,439)	1:15:A:GLU:HB3	1:155:A:LYS:HB2	4	5.32
(1,439)	1:15:A:GLU:HB3	1:155:A:LYS:HB2	2	5.31
(1,439)	1:15:A:GLU:HB3	1:155:A:LYS:HB2	3	5.31
(1,552)	1:89:A:GLN:HE21	1:149:A:ASN:HD22	16	5.28
(1,439)	1:15:A:GLU:HB3	1:155:A:LYS:HB2	9	5.27
(1,439)	1:15:A:GLU:HB3	1:155:A:LYS:HB2	12	5.24
(1,38)	1:89:A:GLN:HE21	1:149:A:ASN:HD21	20	5.23
(1,439)	1:15:A:GLU:HB3	1:155:A:LYS:HB2	13	5.21
(1,439)	1:15:A:GLU:HB3	1:155:A:LYS:HB2	17	5.21
(1,439)	1:15:A:GLU:HB3	1:155:A:LYS:HB2	19	5.21
(1,439)	1:15:A:GLU:HB3	1:155:A:LYS:HB2	8	5.19
(1,38)	1:89:A:GLN:HE21	1:149:A:ASN:HD21	16	5.15
(1,552)	1:89:A:GLN:HE21	1:149:A:ASN:HD22	7	5.13
(1,439)	1:15:A:GLU:HB3	1:155:A:LYS:HB2	15	5.13
(1,38)	1:89:A:GLN:HE21	1:149:A:ASN:HD21	8	5.12
(1,38)	1:89:A:GLN:HE21	1:149:A:ASN:HD21	19	5.08
(1,439)	1:15:A:GLU:HB3	1:155:A:LYS:HB2	6	5.04
(1,552)	1:89:A:GLN:HE21	1:149:A:ASN:HD22	14	5.01
(1,38)	1:89:A:GLN:HE21	1:149:A:ASN:HD21	13	5.0
(1,552)	1:89:A:GLN:HE21	1:149:A:ASN:HD22	5	4.98
(1,38)	1:89:A:GLN:HE21	1:149:A:ASN:HD21	18	4.94
(1,439)	1:15:A:GLU:HB3	1:155:A:LYS:HB2	10	4.93
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG2	2	4.91
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG3	2	4.91
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG2	2	4.91
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG3	2	4.91
(1,552)	1:89:A:GLN:HE21	1:149:A:ASN:HD22	3	4.9
(1,439)	1:15:A:GLU:HB3	1:155:A:LYS:HB2	7	4.9
(1,552)	1:89:A:GLN:HE21	1:149:A:ASN:HD22	19	4.87
(1,439)	1:15:A:GLU:HB3	1:155:A:LYS:HB2	11	4.86
(1,439)	1:15:A:GLU:HB3	1:155:A:LYS:HB2	18	4.78
(1,552)	1:89:A:GLN:HE21	1:149:A:ASN:HD22	13	4.74
(1,38)	1:89:A:GLN:HE21	1:149:A:ASN:HD21	14	4.73
(1,173)	1:15:A:GLU:HB3	1:155:A:LYS:HA	13	4.68
(1,38)	1:89:A:GLN:HE21	1:149:A:ASN:HD21	5	4.68
(1,173)	1:15:A:GLU:HB3	1:155:A:LYS:HA	12	4.64
(1,173)	1:15:A:GLU:HB3	1:155:A:LYS:HA	16	4.64
(1,173)	1:15:A:GLU:HB3	1:155:A:LYS:HA	20	4.64
(1,439)	1:15:A:GLU:HB3	1:155:A:LYS:HB2	5	4.57
(1,173)	1:15:A:GLU:HB3	1:155:A:LYS:HA	4	4.56
(1,173)	1:15:A:GLU:HB3	1:155:A:LYS:HA	8	4.56
(1,38)	1:89:A:GLN:HE21	1:149:A:ASN:HD21	15	4.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,173)	1:15:A:GLU:HB3	1:155:A:LYS:HA	1	4.54
(1,552)	1:89:A:GLN:HE21	1:149:A:ASN:HD22	11	4.53
(1,173)	1:15:A:GLU:HB3	1:155:A:LYS:HA	17	4.53
(1,173)	1:15:A:GLU:HB3	1:155:A:LYS:HA	19	4.49
(1,38)	1:89:A:GLN:HE21	1:149:A:ASN:HD21	3	4.49
(1,173)	1:15:A:GLU:HB3	1:155:A:LYS:HA	3	4.48
(1,173)	1:15:A:GLU:HB3	1:155:A:LYS:HA	14	4.47
(1,173)	1:15:A:GLU:HB3	1:155:A:LYS:HA	15	4.47
(1,173)	1:15:A:GLU:HB3	1:155:A:LYS:HA	2	4.46
(1,173)	1:15:A:GLU:HB3	1:155:A:LYS:HA	6	4.46
(1,173)	1:15:A:GLU:HB3	1:155:A:LYS:HA	18	4.46
(1,173)	1:15:A:GLU:HB3	1:155:A:LYS:HA	9	4.45
(1,173)	1:15:A:GLU:HB3	1:155:A:LYS:HA	7	4.44
(1,552)	1:89:A:GLN:HE21	1:149:A:ASN:HD22	4	4.43
(1,38)	1:89:A:GLN:HE21	1:149:A:ASN:HD21	12	4.43
(1,1441)	1:102:A:GLN:HB3	1:136:A:ARG:HE	13	4.4
(1,552)	1:89:A:GLN:HE21	1:149:A:ASN:HD22	2	4.39
(1,173)	1:15:A:GLU:HB3	1:155:A:LYS:HA	10	4.35
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG2	19	4.34
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG3	19	4.34
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG2	19	4.34
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG3	19	4.34
(1,38)	1:89:A:GLN:HE21	1:149:A:ASN:HD21	11	4.34
(1,1441)	1:102:A:GLN:HB3	1:136:A:ARG:HE	9	4.32
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG2	15	4.31
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG3	15	4.31
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG2	15	4.31
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG3	15	4.31
(1,1441)	1:102:A:GLN:HB3	1:136:A:ARG:HE	17	4.3
(1,173)	1:15:A:GLU:HB3	1:155:A:LYS:HA	11	4.3
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG2	6	4.25
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG3	6	4.25
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG2	6	4.25
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG3	6	4.25
(1,173)	1:15:A:GLU:HB3	1:155:A:LYS:HA	5	4.23
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG2	9	4.17
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG3	9	4.17
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG2	9	4.17
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG3	9	4.17
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG2	20	4.16
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG3	20	4.16
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG2	20	4.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG3	20	4.16
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG2	13	4.13
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG3	13	4.13
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG2	13	4.13
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG3	13	4.13
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG2	17	4.13
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG3	17	4.13
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG2	17	4.13
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG3	17	4.13
(1,38)	1:89:A:GLN:HE21	1:149:A:ASN:HD21	4	4.13
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG21	6	4.12
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG22	6	4.12
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG23	6	4.12
(1,1441)	1:102:A:GLN:HB3	1:136:A:ARG:HE	7	4.07
(1,38)	1:89:A:GLN:HE21	1:149:A:ASN:HD21	2	4.0
(1,1441)	1:102:A:GLN:HB3	1:136:A:ARG:HE	2	3.94
(1,163)	1:19:A:ALA:HB1	1:156:A:VAL:HB	8	3.93
(1,163)	1:19:A:ALA:HB2	1:156:A:VAL:HB	8	3.93
(1,163)	1:19:A:ALA:HB3	1:156:A:VAL:HB	8	3.93
(1,163)	1:19:A:ALA:HB1	1:156:A:VAL:HB	2	3.85
(1,163)	1:19:A:ALA:HB2	1:156:A:VAL:HB	2	3.85
(1,163)	1:19:A:ALA:HB3	1:156:A:VAL:HB	2	3.85
(1,1441)	1:102:A:GLN:HB3	1:136:A:ARG:HE	15	3.81
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG2	8	3.8
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG3	8	3.8
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG2	8	3.8
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG3	8	3.8
(1,163)	1:19:A:ALA:HB1	1:156:A:VAL:HB	15	3.8
(1,163)	1:19:A:ALA:HB2	1:156:A:VAL:HB	15	3.8
(1,163)	1:19:A:ALA:HB3	1:156:A:VAL:HB	15	3.8
(1,1441)	1:102:A:GLN:HB3	1:136:A:ARG:HE	8	3.76
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG2	10	3.75
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG3	10	3.75
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG2	10	3.75
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG3	10	3.75
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG2	11	3.75
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG3	11	3.75
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG2	11	3.75
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG3	11	3.75
(1,1441)	1:102:A:GLN:HB3	1:136:A:ARG:HE	5	3.74
(1,1441)	1:102:A:GLN:HB3	1:136:A:ARG:HE	12	3.74
(1,1441)	1:102:A:GLN:HB3	1:136:A:ARG:HE	14	3.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG21	1	3.72
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG22	1	3.72
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG23	1	3.72
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG2	18	3.7
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG3	18	3.7
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG2	18	3.7
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG3	18	3.7
(1,1441)	1:102:A:GLN:HB3	1:136:A:ARG:HE	11	3.69
(1,1441)	1:102:A:GLN:HB3	1:136:A:ARG:HE	18	3.67
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG2	1	3.64
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG3	1	3.64
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG2	1	3.64
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG3	1	3.64
(1,1441)	1:102:A:GLN:HB3	1:136:A:ARG:HE	4	3.63
(1,1441)	1:102:A:GLN:HB3	1:136:A:ARG:HE	10	3.63
(1,163)	1:19:A:ALA:HB1	1:156:A:VAL:HB	9	3.63
(1,163)	1:19:A:ALA:HB2	1:156:A:VAL:HB	9	3.63
(1,163)	1:19:A:ALA:HB3	1:156:A:VAL:HB	9	3.63
(1,1441)	1:102:A:GLN:HB3	1:136:A:ARG:HE	16	3.62
(1,440)	1:15:A:GLU:HB2	1:153:A:THR:HA	6	3.62
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG2	13	3.61
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG3	13	3.61
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG2	13	3.61
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG3	13	3.61
(1,552)	1:89:A:GLN:HE21	1:149:A:ASN:HD22	15	3.61
(1,1441)	1:102:A:GLN:HB3	1:136:A:ARG:HE	19	3.6
(1,163)	1:19:A:ALA:HB1	1:156:A:VAL:HB	14	3.59
(1,163)	1:19:A:ALA:HB2	1:156:A:VAL:HB	14	3.59
(1,163)	1:19:A:ALA:HB3	1:156:A:VAL:HB	14	3.59
(1,552)	1:89:A:GLN:HE21	1:149:A:ASN:HD22	10	3.55
(1,552)	1:89:A:GLN:HE21	1:149:A:ASN:HD22	17	3.51
(1,163)	1:19:A:ALA:HB1	1:156:A:VAL:HB	17	3.51
(1,163)	1:19:A:ALA:HB2	1:156:A:VAL:HB	17	3.51
(1,163)	1:19:A:ALA:HB3	1:156:A:VAL:HB	17	3.51
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG2	3	3.5
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG3	3	3.5
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG2	3	3.5
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG3	3	3.5
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG21	6	3.5
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG22	6	3.5
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG23	6	3.5
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG21	20	3.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG22	20	3.49
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG23	20	3.49
(1,1441)	1:102:A:GLN:HB3	1:136:A:ARG:HE	20	3.46
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG2	4	3.45
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG3	4	3.45
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG2	4	3.45
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG3	4	3.45
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG2	7	3.45
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG3	7	3.45
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG2	7	3.45
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG3	7	3.45
(1,163)	1:19:A:ALA:HB1	1:156:A:VAL:HB	20	3.43
(1,163)	1:19:A:ALA:HB2	1:156:A:VAL:HB	20	3.43
(1,163)	1:19:A:ALA:HB3	1:156:A:VAL:HB	20	3.43
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG21	1	3.43
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG22	1	3.43
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG23	1	3.43
(1,552)	1:89:A:GLN:HE21	1:149:A:ASN:HD22	12	3.36
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG21	17	3.36
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG22	17	3.36
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG23	17	3.36
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG21	16	3.35
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG22	16	3.35
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG23	16	3.35
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG21	4	3.35
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG22	4	3.35
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG23	4	3.35
(1,644)	1:15:A:GLU:H	1:155:A:LYS:HA	13	3.34
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG2	17	3.33
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG3	17	3.33
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG2	17	3.33
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG3	17	3.33
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG2	1	3.32
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG3	1	3.32
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG2	1	3.32
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG3	1	3.32
(1,38)	1:89:A:GLN:HE21	1:149:A:ASN:HD21	17	3.31
(1,644)	1:15:A:GLU:H	1:155:A:LYS:HA	14	3.3
(1,644)	1:15:A:GLU:H	1:155:A:LYS:HA	8	3.29
(1,163)	1:19:A:ALA:HB1	1:156:A:VAL:HB	18	3.28
(1,163)	1:19:A:ALA:HB2	1:156:A:VAL:HB	18	3.28
(1,163)	1:19:A:ALA:HB3	1:156:A:VAL:HB	18	3.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG21	12	3.28
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG22	12	3.28
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG23	12	3.28
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG2	5	3.25
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG3	5	3.25
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG2	5	3.25
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG3	5	3.25
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG21	20	3.24
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG22	20	3.24
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG23	20	3.24
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG2	15	3.23
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG3	15	3.23
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG2	15	3.23
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG3	15	3.23
(1,644)	1:15:A:GLU:H	1:155:A:LYS:HA	20	3.23
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG21	17	3.22
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG22	17	3.22
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG23	17	3.22
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG2	9	3.21
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG3	9	3.21
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG2	9	3.21
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG3	9	3.21
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG2	6	3.2
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG3	6	3.2
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG2	6	3.2
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG3	6	3.2
(1,38)	1:89:A:GLN:HE21	1:149:A:ASN:HD21	10	3.19
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG21	19	3.18
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG22	19	3.18
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG23	19	3.18
(1,163)	1:19:A:ALA:HB1	1:156:A:VAL:HB	3	3.17
(1,163)	1:19:A:ALA:HB2	1:156:A:VAL:HB	3	3.17
(1,163)	1:19:A:ALA:HB3	1:156:A:VAL:HB	3	3.17
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG21	16	3.17
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG22	16	3.17
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG23	16	3.17
(1,58)	1:153:A:THR:HB	1:155:A:LYS:HG3	17	3.17
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG2	19	3.16
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG3	19	3.16
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG2	19	3.16
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG3	19	3.16
(1,1031)	1:102:A:GLN:HB2	1:136:A:ARG:HE	13	3.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,644)	1:15:A:GLU:H	1:155:A:LYS:HA	1	3.16
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG2	18	3.15
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG3	18	3.15
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG2	18	3.15
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG3	18	3.15
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG2	12	3.15
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG3	12	3.15
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG2	12	3.15
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG3	12	3.15
(1,569)	1:153:A:THR:HB	1:155:A:LYS:HG2	1	3.15
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG21	9	3.14
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG22	9	3.14
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG23	9	3.14
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG21	12	3.14
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG22	12	3.14
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG23	12	3.14
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG21	5	3.14
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG22	5	3.14
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG23	5	3.14
(1,644)	1:15:A:GLU:H	1:155:A:LYS:HA	12	3.13
(1,163)	1:19:A:ALA:HB1	1:156:A:VAL:HB	6	3.13
(1,163)	1:19:A:ALA:HB2	1:156:A:VAL:HB	6	3.13
(1,163)	1:19:A:ALA:HB3	1:156:A:VAL:HB	6	3.13
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG2	20	3.12
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG3	20	3.12
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG2	20	3.12
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG3	20	3.12
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG21	18	3.12
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG22	18	3.12
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG23	18	3.12
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG21	1	3.11
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG22	1	3.11
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG23	1	3.11
(1,644)	1:15:A:GLU:H	1:155:A:LYS:HA	7	3.11
(1,644)	1:15:A:GLU:H	1:155:A:LYS:HA	16	3.11
(1,1642)	1:19:A:ALA:HB1	1:158:A:TYR:HA	14	3.1
(1,1642)	1:19:A:ALA:HB2	1:158:A:TYR:HA	14	3.1
(1,1642)	1:19:A:ALA:HB3	1:158:A:TYR:HA	14	3.1
(1,644)	1:15:A:GLU:H	1:155:A:LYS:HA	19	3.1
(1,569)	1:153:A:THR:HB	1:155:A:LYS:HG2	17	3.1
(1,163)	1:19:A:ALA:HB1	1:156:A:VAL:HB	1	3.08
(1,163)	1:19:A:ALA:HB2	1:156:A:VAL:HB	1	3.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,163)	1:19:A:ALA:HB3	1:156:A:VAL:HB	1	3.08
(1,163)	1:19:A:ALA:HB1	1:156:A:VAL:HB	19	3.08
(1,163)	1:19:A:ALA:HB2	1:156:A:VAL:HB	19	3.08
(1,163)	1:19:A:ALA:HB3	1:156:A:VAL:HB	19	3.08
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG2	4	3.07
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG3	4	3.07
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG2	4	3.07
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG3	4	3.07
(1,644)	1:15:A:GLU:H	1:155:A:LYS:HA	18	3.07
(1,440)	1:15:A:GLU:HB2	1:153:A:THR:HA	20	3.07
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG2	11	3.06
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG3	11	3.06
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG2	11	3.06
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG3	11	3.06
(1,163)	1:19:A:ALA:HB1	1:156:A:VAL:HB	11	3.06
(1,163)	1:19:A:ALA:HB2	1:156:A:VAL:HB	11	3.06
(1,163)	1:19:A:ALA:HB3	1:156:A:VAL:HB	11	3.06
(1,58)	1:153:A:THR:HB	1:155:A:LYS:HG3	1	3.06
(1,58)	1:153:A:THR:HB	1:155:A:LYS:HG3	6	3.06
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG21	14	3.05
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG22	14	3.05
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG23	14	3.05
(1,644)	1:15:A:GLU:H	1:155:A:LYS:HA	3	3.04
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG21	18	3.04
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG22	18	3.04
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG23	18	3.04
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG21	4	3.03
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG22	4	3.03
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG23	4	3.03
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG21	18	3.03
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG22	18	3.03
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG23	18	3.03
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG21	19	3.02
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG22	19	3.02
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG23	19	3.02
(1,644)	1:15:A:GLU:H	1:155:A:LYS:HA	15	3.02
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG21	5	3.02
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG22	5	3.02
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG23	5	3.02
(1,163)	1:19:A:ALA:HB1	1:156:A:VAL:HB	4	3.01
(1,163)	1:19:A:ALA:HB2	1:156:A:VAL:HB	4	3.01
(1,163)	1:19:A:ALA:HB3	1:156:A:VAL:HB	4	3.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,163)	1:19:A:ALA:HB1	1:156:A:VAL:HB	7	3.0
(1,163)	1:19:A:ALA:HB2	1:156:A:VAL:HB	7	3.0
(1,163)	1:19:A:ALA:HB3	1:156:A:VAL:HB	7	3.0
(1,1642)	1:19:A:ALA:HB1	1:158:A:TYR:HA	17	2.99
(1,1642)	1:19:A:ALA:HB2	1:158:A:TYR:HA	17	2.99
(1,1642)	1:19:A:ALA:HB3	1:158:A:TYR:HA	17	2.99
(1,1031)	1:102:A:GLN:HB2	1:136:A:ARG:HE	9	2.99
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG21	13	2.99
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG22	13	2.99
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG23	13	2.99
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG21	8	2.99
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG22	8	2.99
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG23	8	2.99
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG21	14	2.98
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG22	14	2.98
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG23	14	2.98
(1,569)	1:153:A:THR:HB	1:155:A:LYS:HG2	9	2.97
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG21	8	2.97
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG22	8	2.97
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG23	8	2.97
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG21	2	2.96
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG22	2	2.96
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG23	2	2.96
(1,440)	1:15:A:GLU:HB2	1:153:A:THR:HA	1	2.96
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG21	8	2.96
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG22	8	2.96
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG23	8	2.96
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG21	2	2.96
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG22	2	2.96
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG23	2	2.96
(1,58)	1:153:A:THR:HB	1:155:A:LYS:HG3	7	2.96
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG21	16	2.95
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG22	16	2.95
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG23	16	2.95
(1,1642)	1:19:A:ALA:HB1	1:158:A:TYR:HA	9	2.94
(1,1642)	1:19:A:ALA:HB2	1:158:A:TYR:HA	9	2.94
(1,1642)	1:19:A:ALA:HB3	1:158:A:TYR:HA	9	2.94
(1,1441)	1:102:A:GLN:HB3	1:136:A:ARG:HE	1	2.94
(1,905)	1:89:A:GLN:HE21	1:149:A:ASN:HB2	1	2.94
(1,96)	1:15:A:GLU:HB2	1:154:A:PHE:H	6	2.94
(1,1642)	1:19:A:ALA:HB1	1:158:A:TYR:HA	4	2.93
(1,1642)	1:19:A:ALA:HB2	1:158:A:TYR:HA	4	2.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1642)	1:19:A:ALA:HB3	1:158:A:TYR:HA	4	2.93
(1,644)	1:15:A:GLU:H	1:155:A:LYS:HA	10	2.93
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG21	3	2.93
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG22	3	2.93
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG23	3	2.93
(1,440)	1:15:A:GLU:HB2	1:153:A:THR:HA	4	2.92
(1,1642)	1:19:A:ALA:HB1	1:158:A:TYR:HA	11	2.91
(1,1642)	1:19:A:ALA:HB2	1:158:A:TYR:HA	11	2.91
(1,1642)	1:19:A:ALA:HB3	1:158:A:TYR:HA	11	2.91
(1,163)	1:19:A:ALA:HB1	1:156:A:VAL:HB	5	2.91
(1,163)	1:19:A:ALA:HB2	1:156:A:VAL:HB	5	2.91
(1,163)	1:19:A:ALA:HB3	1:156:A:VAL:HB	5	2.91
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG21	5	2.9
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG22	5	2.9
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG23	5	2.9
(1,58)	1:153:A:THR:HB	1:155:A:LYS:HG3	9	2.9
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG21	10	2.89
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG22	10	2.89
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG23	10	2.89
(1,644)	1:15:A:GLU:H	1:155:A:LYS:HA	17	2.89
(1,1642)	1:19:A:ALA:HB1	1:158:A:TYR:HA	7	2.88
(1,1642)	1:19:A:ALA:HB2	1:158:A:TYR:HA	7	2.88
(1,1642)	1:19:A:ALA:HB3	1:158:A:TYR:HA	7	2.88
(1,1642)	1:19:A:ALA:HB1	1:158:A:TYR:HA	16	2.88
(1,1642)	1:19:A:ALA:HB2	1:158:A:TYR:HA	16	2.88
(1,1642)	1:19:A:ALA:HB3	1:158:A:TYR:HA	16	2.88
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG21	17	2.88
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG22	17	2.88
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG23	17	2.88
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG21	2	2.88
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG22	2	2.88
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG23	2	2.88
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG21	12	2.88
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG22	12	2.88
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG23	12	2.88
(1,163)	1:19:A:ALA:HB1	1:156:A:VAL:HB	16	2.88
(1,163)	1:19:A:ALA:HB2	1:156:A:VAL:HB	16	2.88
(1,163)	1:19:A:ALA:HB3	1:156:A:VAL:HB	16	2.88
(1,58)	1:153:A:THR:HB	1:155:A:LYS:HG3	18	2.88
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG2	5	2.87
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG3	5	2.87
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG2	5	2.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG3	5	2.87
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG2	14	2.87
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG3	14	2.87
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG2	14	2.87
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG3	14	2.87
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG21	6	2.87
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG22	6	2.87
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG23	6	2.87
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG21	17	2.87
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG22	17	2.87
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG23	17	2.87
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG21	4	2.86
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG22	4	2.86
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG23	4	2.86
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG21	15	2.86
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG22	15	2.86
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG23	15	2.86
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG21	12	2.86
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG22	12	2.86
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG23	12	2.86
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG21	10	2.85
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG22	10	2.85
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG23	10	2.85
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG2	3	2.84
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG3	3	2.84
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG2	3	2.84
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG3	3	2.84
(1,905)	1:89:A:GLN:HE21	1:149:A:ASN:HB2	9	2.84
(1,644)	1:15:A:GLU:H	1:155:A:LYS:HA	4	2.84
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG21	7	2.84
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG22	7	2.84
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG23	7	2.84
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG21	15	2.84
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG22	15	2.84
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG23	15	2.84
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG2	8	2.83
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG3	8	2.83
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG2	8	2.83
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG3	8	2.83
(1,1642)	1:19:A:ALA:HB1	1:158:A:TYR:HA	1	2.82
(1,1642)	1:19:A:ALA:HB2	1:158:A:TYR:HA	1	2.82
(1,1642)	1:19:A:ALA:HB3	1:158:A:TYR:HA	1	2.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,644)	1:15:A:GLU:H	1:155:A:LYS:HA	9	2.82
(1,644)	1:15:A:GLU:H	1:155:A:LYS:HA	11	2.82
(1,569)	1:153:A:THR:HB	1:155:A:LYS:HG2	3	2.82
(1,440)	1:15:A:GLU:HB2	1:153:A:THR:HA	12	2.81
(1,163)	1:19:A:ALA:HB1	1:156:A:VAL:HB	12	2.81
(1,163)	1:19:A:ALA:HB2	1:156:A:VAL:HB	12	2.81
(1,163)	1:19:A:ALA:HB3	1:156:A:VAL:HB	12	2.81
(1,147)	1:95:A:SER:H	1:148:A:ALA:H	10	2.81
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG21	9	2.81
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG22	9	2.81
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG23	9	2.81
(1,333)	1:15:A:GLU:HA	1:155:A:LYS:HA	13	2.8
(1,147)	1:95:A:SER:H	1:148:A:ALA:H	13	2.8
(1,1642)	1:19:A:ALA:HB1	1:158:A:TYR:HA	6	2.79
(1,1642)	1:19:A:ALA:HB2	1:158:A:TYR:HA	6	2.79
(1,1642)	1:19:A:ALA:HB3	1:158:A:TYR:HA	6	2.79
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG21	18	2.79
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG22	18	2.79
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG23	18	2.79
(1,440)	1:15:A:GLU:HB2	1:153:A:THR:HA	16	2.79
(1,147)	1:95:A:SER:H	1:148:A:ALA:H	9	2.79
(1,644)	1:15:A:GLU:H	1:155:A:LYS:HA	6	2.78
(1,163)	1:19:A:ALA:HB1	1:156:A:VAL:HB	10	2.78
(1,163)	1:19:A:ALA:HB2	1:156:A:VAL:HB	10	2.78
(1,163)	1:19:A:ALA:HB3	1:156:A:VAL:HB	10	2.78
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG21	4	2.78
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG22	4	2.78
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG23	4	2.78
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG21	2	2.78
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG22	2	2.78
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG23	2	2.78
(1,58)	1:153:A:THR:HB	1:155:A:LYS:HG3	5	2.78
(1,163)	1:19:A:ALA:HB1	1:156:A:VAL:HB	13	2.77
(1,163)	1:19:A:ALA:HB2	1:156:A:VAL:HB	13	2.77
(1,163)	1:19:A:ALA:HB3	1:156:A:VAL:HB	13	2.77
(1,58)	1:153:A:THR:HB	1:155:A:LYS:HG3	12	2.76
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG21	9	2.75
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG22	9	2.75
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG23	9	2.75
(1,569)	1:153:A:THR:HB	1:155:A:LYS:HG2	6	2.75
(1,1642)	1:19:A:ALA:HB1	1:158:A:TYR:HA	2	2.74
(1,1642)	1:19:A:ALA:HB2	1:158:A:TYR:HA	2	2.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1642)	1:19:A:ALA:HB3	1:158:A:TYR:HA	2	2.74
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG21	6	2.74
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG22	6	2.74
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG23	6	2.74
(1,1642)	1:19:A:ALA:HB1	1:158:A:TYR:HA	3	2.73
(1,1642)	1:19:A:ALA:HB2	1:158:A:TYR:HA	3	2.73
(1,1642)	1:19:A:ALA:HB3	1:158:A:TYR:HA	3	2.73
(1,1031)	1:102:A:GLN:HB2	1:136:A:ARG:HE	17	2.73
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG21	3	2.73
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG22	3	2.73
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG23	3	2.73
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG21	11	2.73
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG22	11	2.73
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG23	11	2.73
(1,1642)	1:19:A:ALA:HB1	1:158:A:TYR:HA	5	2.72
(1,1642)	1:19:A:ALA:HB2	1:158:A:TYR:HA	5	2.72
(1,1642)	1:19:A:ALA:HB3	1:158:A:TYR:HA	5	2.72
(1,569)	1:153:A:THR:HB	1:155:A:LYS:HG2	12	2.72
(1,440)	1:15:A:GLU:HB2	1:153:A:THR:HA	18	2.72
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG21	13	2.72
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG22	13	2.72
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG23	13	2.72
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG21	7	2.72
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG22	7	2.72
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG23	7	2.72
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG21	9	2.72
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG22	9	2.72
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG23	9	2.72
(1,96)	1:15:A:GLU:HB2	1:154:A:PHE:H	20	2.72
(1,58)	1:153:A:THR:HB	1:155:A:LYS:HG3	3	2.72
(1,3232)	1:68:A:LYS:HB2	1:159:A:GLN:H	15	2.71
(1,3232)	1:68:A:LYS:HB3	1:159:A:GLN:H	15	2.71
(1,569)	1:153:A:THR:HB	1:155:A:LYS:HG2	5	2.71
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG21	4	2.71
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG22	4	2.71
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG23	4	2.71
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG2	7	2.7
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG3	7	2.7
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG2	7	2.7
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG3	7	2.7
(1,440)	1:15:A:GLU:HB2	1:153:A:THR:HA	17	2.7
(1,96)	1:15:A:GLU:HB2	1:154:A:PHE:H	8	2.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1642)	1:19:A:ALA:HB1	1:158:A:TYR:HA	19	2.69
(1,1642)	1:19:A:ALA:HB2	1:158:A:TYR:HA	19	2.69
(1,1642)	1:19:A:ALA:HB3	1:158:A:TYR:HA	19	2.69
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG21	14	2.69
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG22	14	2.69
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG23	14	2.69
(1,552)	1:89:A:GLN:HE21	1:149:A:ASN:HD22	6	2.69
(1,147)	1:95:A:SER:H	1:148:A:ALA:H	7	2.69
(1,147)	1:95:A:SER:H	1:148:A:ALA:H	15	2.69
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG21	10	2.69
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG22	10	2.69
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG23	10	2.69
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG21	11	2.68
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG22	11	2.68
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG23	11	2.68
(1,644)	1:15:A:GLU:H	1:155:A:LYS:HA	2	2.68
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG21	20	2.68
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG22	20	2.68
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG23	20	2.68
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG21	13	2.68
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG22	13	2.68
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG23	13	2.68
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG21	13	2.68
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG22	13	2.68
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG23	13	2.68
(1,1629)	1:156:A:VAL:HG11	1:158:A:TYR:HA	2	2.67
(1,1629)	1:156:A:VAL:HG12	1:158:A:TYR:HA	2	2.67
(1,1629)	1:156:A:VAL:HG13	1:158:A:TYR:HA	2	2.67
(1,1629)	1:156:A:VAL:HG11	1:158:A:TYR:HA	19	2.67
(1,1629)	1:156:A:VAL:HG12	1:158:A:TYR:HA	19	2.67
(1,1629)	1:156:A:VAL:HG13	1:158:A:TYR:HA	19	2.67
(1,644)	1:15:A:GLU:H	1:155:A:LYS:HA	5	2.67
(1,440)	1:15:A:GLU:HB2	1:153:A:THR:HA	8	2.67
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG21	10	2.67
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG22	10	2.67
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG23	10	2.67
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG21	10	2.67
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG22	10	2.67
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG23	10	2.67
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG2	16	2.66
(1,3233)	1:68:A:LYS:HB2	1:159:A:GLN:HG3	16	2.66
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG2	16	2.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3233)	1:68:A:LYS:HB3	1:159:A:GLN:HG3	16	2.66
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG21	15	2.66
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG22	15	2.66
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG23	15	2.66
(1,333)	1:15:A:GLU:HA	1:155:A:LYS:HA	14	2.66
(1,1642)	1:19:A:ALA:HB1	1:158:A:TYR:HA	12	2.65
(1,1642)	1:19:A:ALA:HB2	1:158:A:TYR:HA	12	2.65
(1,1642)	1:19:A:ALA:HB3	1:158:A:TYR:HA	12	2.65
(1,333)	1:15:A:GLU:HA	1:155:A:LYS:HA	12	2.65
(1,333)	1:15:A:GLU:HA	1:155:A:LYS:HA	16	2.65
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG21	7	2.65
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG22	7	2.65
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG23	7	2.65
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG21	7	2.65
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG22	7	2.65
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG23	7	2.65
(1,1642)	1:19:A:ALA:HB1	1:158:A:TYR:HA	13	2.64
(1,1642)	1:19:A:ALA:HB2	1:158:A:TYR:HA	13	2.64
(1,1642)	1:19:A:ALA:HB3	1:158:A:TYR:HA	13	2.64
(1,569)	1:153:A:THR:HB	1:155:A:LYS:HG2	7	2.64
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG2	12	2.63
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG3	12	2.63
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG2	12	2.63
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG3	12	2.63
(1,1642)	1:19:A:ALA:HB1	1:158:A:TYR:HA	18	2.63
(1,1642)	1:19:A:ALA:HB2	1:158:A:TYR:HA	18	2.63
(1,1642)	1:19:A:ALA:HB3	1:158:A:TYR:HA	18	2.63
(1,1629)	1:156:A:VAL:HG11	1:158:A:TYR:HA	15	2.63
(1,1629)	1:156:A:VAL:HG12	1:158:A:TYR:HA	15	2.63
(1,1629)	1:156:A:VAL:HG13	1:158:A:TYR:HA	15	2.63
(1,147)	1:95:A:SER:H	1:148:A:ALA:H	17	2.63
(1,2223)	1:16:A:VAL:H	1:155:A:LYS:HB3	14	2.62
(1,147)	1:95:A:SER:H	1:148:A:ALA:H	2	2.62
(1,58)	1:153:A:THR:HB	1:155:A:LYS:HG3	16	2.62
(1,3232)	1:68:A:LYS:HB2	1:159:A:GLN:H	2	2.61
(1,3232)	1:68:A:LYS:HB3	1:159:A:GLN:H	2	2.61
(1,2223)	1:16:A:VAL:H	1:155:A:LYS:HB3	13	2.61
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG21	20	2.61
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG22	20	2.61
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG23	20	2.61
(1,147)	1:95:A:SER:H	1:148:A:ALA:H	16	2.61
(1,147)	1:95:A:SER:H	1:148:A:ALA:H	19	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1642)	1:19:A:ALA:HB1	1:158:A:TYR:HA	8	2.6
(1,1642)	1:19:A:ALA:HB2	1:158:A:TYR:HA	8	2.6
(1,1642)	1:19:A:ALA:HB3	1:158:A:TYR:HA	8	2.6
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG21	1	2.6
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG22	1	2.6
(1,247)	1:89:A:GLN:H	1:101:A:VAL:HG23	1	2.6
(1,147)	1:95:A:SER:H	1:148:A:ALA:H	4	2.6
(1,96)	1:15:A:GLU:HB2	1:154:A:PHE:H	18	2.6
(1,58)	1:153:A:THR:HB	1:155:A:LYS:HG3	4	2.6
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG21	11	2.59
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG22	11	2.59
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG23	11	2.59
(1,96)	1:15:A:GLU:HB2	1:154:A:PHE:H	1	2.59
(1,3232)	1:68:A:LYS:HB2	1:159:A:GLN:H	8	2.58
(1,3232)	1:68:A:LYS:HB3	1:159:A:GLN:H	8	2.58
(1,2223)	1:16:A:VAL:H	1:155:A:LYS:HB3	20	2.58
(1,1629)	1:156:A:VAL:HG11	1:158:A:TYR:HA	8	2.58
(1,1629)	1:156:A:VAL:HG12	1:158:A:TYR:HA	8	2.58
(1,1629)	1:156:A:VAL:HG13	1:158:A:TYR:HA	8	2.58
(1,1031)	1:102:A:GLN:HB2	1:136:A:ARG:HE	7	2.58
(1,569)	1:153:A:THR:HB	1:155:A:LYS:HG2	16	2.58
(1,147)	1:95:A:SER:H	1:148:A:ALA:H	18	2.58
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG21	8	2.57
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG22	8	2.57
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG23	8	2.57
(1,147)	1:95:A:SER:H	1:148:A:ALA:H	3	2.57
(1,147)	1:95:A:SER:H	1:148:A:ALA:H	11	2.57
(1,58)	1:153:A:THR:HB	1:155:A:LYS:HG3	19	2.57
(1,3232)	1:68:A:LYS:HB2	1:159:A:GLN:H	19	2.56
(1,3232)	1:68:A:LYS:HB3	1:159:A:GLN:H	19	2.56
(1,569)	1:153:A:THR:HB	1:155:A:LYS:HG2	14	2.56
(1,333)	1:15:A:GLU:HA	1:155:A:LYS:HA	7	2.56
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG21	17	2.56
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG22	17	2.56
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG23	17	2.56
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG21	20	2.56
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG22	20	2.56
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG23	20	2.56
(1,96)	1:15:A:GLU:HB2	1:154:A:PHE:H	4	2.56
(1,58)	1:153:A:THR:HB	1:155:A:LYS:HG3	10	2.56
(1,2223)	1:16:A:VAL:H	1:155:A:LYS:HB3	1	2.55
(1,2223)	1:16:A:VAL:H	1:155:A:LYS:HB3	16	2.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG21	12	2.55
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG22	12	2.55
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG23	12	2.55
(1,333)	1:15:A:GLU:HA	1:155:A:LYS:HA	1	2.55
(1,333)	1:15:A:GLU:HA	1:155:A:LYS:HA	3	2.55
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG21	11	2.55
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG22	11	2.55
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG23	11	2.55
(1,147)	1:95:A:SER:H	1:148:A:ALA:H	5	2.55
(1,1629)	1:156:A:VAL:HG11	1:158:A:TYR:HA	18	2.54
(1,1629)	1:156:A:VAL:HG12	1:158:A:TYR:HA	18	2.54
(1,1629)	1:156:A:VAL:HG13	1:158:A:TYR:HA	18	2.54
(1,1031)	1:102:A:GLN:HB2	1:136:A:ARG:HE	8	2.54
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG21	2	2.54
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG22	2	2.54
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG23	2	2.54
(1,96)	1:15:A:GLU:HB2	1:154:A:PHE:H	12	2.53
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG21	11	2.53
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG22	11	2.53
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG23	11	2.53
(1,1629)	1:156:A:VAL:HG11	1:158:A:TYR:HA	20	2.52
(1,1629)	1:156:A:VAL:HG12	1:158:A:TYR:HA	20	2.52
(1,1629)	1:156:A:VAL:HG13	1:158:A:TYR:HA	20	2.52
(1,333)	1:15:A:GLU:HA	1:155:A:LYS:HA	8	2.52
(1,333)	1:15:A:GLU:HA	1:155:A:LYS:HA	20	2.52
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG21	16	2.52
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG22	16	2.52
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG23	16	2.52
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG21	15	2.52
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG22	15	2.52
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG23	15	2.52
(1,58)	1:153:A:THR:HB	1:155:A:LYS:HG3	8	2.52
(1,2223)	1:16:A:VAL:H	1:155:A:LYS:HB3	8	2.51
(1,2223)	1:16:A:VAL:H	1:155:A:LYS:HB3	12	2.51
(1,1629)	1:156:A:VAL:HG11	1:158:A:TYR:HA	9	2.51
(1,1629)	1:156:A:VAL:HG12	1:158:A:TYR:HA	9	2.51
(1,1629)	1:156:A:VAL:HG13	1:158:A:TYR:HA	9	2.51
(1,58)	1:153:A:THR:HB	1:155:A:LYS:HG3	11	2.51
(1,58)	1:153:A:THR:HB	1:155:A:LYS:HG3	13	2.51
(1,333)	1:15:A:GLU:HA	1:155:A:LYS:HA	19	2.5
(1,73)	1:32:A:VAL:HG11	1:53:A:GLY:H	20	2.5
(1,73)	1:32:A:VAL:HG12	1:53:A:GLY:H	20	2.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,73)	1:32:A:VAL:HG13	1:53:A:GLY:H	20	2.5
(1,2223)	1:16:A:VAL:H	1:155:A:LYS:HB3	3	2.49
(1,1629)	1:156:A:VAL:HG11	1:158:A:TYR:HA	17	2.49
(1,1629)	1:156:A:VAL:HG12	1:158:A:TYR:HA	17	2.49
(1,1629)	1:156:A:VAL:HG13	1:158:A:TYR:HA	17	2.49
(1,2223)	1:16:A:VAL:H	1:155:A:LYS:HB3	19	2.48
(1,1642)	1:19:A:ALA:HB1	1:158:A:TYR:HA	10	2.48
(1,1642)	1:19:A:ALA:HB2	1:158:A:TYR:HA	10	2.48
(1,1642)	1:19:A:ALA:HB3	1:158:A:TYR:HA	10	2.48
(1,1642)	1:19:A:ALA:HB1	1:158:A:TYR:HA	20	2.48
(1,1642)	1:19:A:ALA:HB2	1:158:A:TYR:HA	20	2.48
(1,1642)	1:19:A:ALA:HB3	1:158:A:TYR:HA	20	2.48
(1,333)	1:15:A:GLU:HA	1:155:A:LYS:HA	17	2.48
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG21	9	2.48
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG22	9	2.48
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG23	9	2.48
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG21	19	2.48
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG22	19	2.48
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG23	19	2.48
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG21	3	2.48
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG22	3	2.48
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG23	3	2.48
(1,58)	1:153:A:THR:HB	1:155:A:LYS:HG3	15	2.48
(1,1629)	1:156:A:VAL:HG11	1:158:A:TYR:HA	3	2.47
(1,1629)	1:156:A:VAL:HG12	1:158:A:TYR:HA	3	2.47
(1,1629)	1:156:A:VAL:HG13	1:158:A:TYR:HA	3	2.47
(1,1031)	1:102:A:GLN:HB2	1:136:A:ARG:HE	12	2.47
(1,333)	1:15:A:GLU:HA	1:155:A:LYS:HA	15	2.47
(1,1642)	1:19:A:ALA:HB1	1:158:A:TYR:HA	15	2.46
(1,1642)	1:19:A:ALA:HB2	1:158:A:TYR:HA	15	2.46
(1,1642)	1:19:A:ALA:HB3	1:158:A:TYR:HA	15	2.46
(1,569)	1:153:A:THR:HB	1:155:A:LYS:HG2	18	2.46
(1,440)	1:15:A:GLU:HB2	1:153:A:THR:HA	9	2.46
(1,147)	1:95:A:SER:H	1:148:A:ALA:H	6	2.46
(1,147)	1:95:A:SER:H	1:148:A:ALA:H	12	2.46
(1,96)	1:15:A:GLU:HB2	1:154:A:PHE:H	16	2.46
(1,440)	1:15:A:GLU:HB2	1:153:A:THR:HA	13	2.45
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG21	19	2.45
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG22	19	2.45
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG23	19	2.45
(1,2223)	1:16:A:VAL:H	1:155:A:LYS:HB3	15	2.44
(1,333)	1:15:A:GLU:HA	1:155:A:LYS:HA	9	2.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,333)	1:15:A:GLU:HA	1:155:A:LYS:HA	18	2.44
(1,147)	1:95:A:SER:H	1:148:A:ALA:H	8	2.44
(1,440)	1:15:A:GLU:HB2	1:153:A:THR:HA	5	2.43
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG21	5	2.43
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG22	5	2.43
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG23	5	2.43
(1,147)	1:95:A:SER:H	1:148:A:ALA:H	20	2.43
(1,96)	1:15:A:GLU:HB2	1:154:A:PHE:H	13	2.43
(1,73)	1:32:A:VAL:HG11	1:53:A:GLY:H	8	2.43
(1,73)	1:32:A:VAL:HG12	1:53:A:GLY:H	8	2.43
(1,73)	1:32:A:VAL:HG13	1:53:A:GLY:H	8	2.43
(1,2223)	1:16:A:VAL:H	1:155:A:LYS:HB3	9	2.42
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG21	15	2.42
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG22	15	2.42
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG23	15	2.42
(1,58)	1:153:A:THR:HB	1:155:A:LYS:HG3	14	2.42
(1,2223)	1:16:A:VAL:H	1:155:A:LYS:HB3	18	2.41
(1,1629)	1:156:A:VAL:HG11	1:158:A:TYR:HA	1	2.41
(1,1629)	1:156:A:VAL:HG12	1:158:A:TYR:HA	1	2.41
(1,1629)	1:156:A:VAL:HG13	1:158:A:TYR:HA	1	2.41
(1,1629)	1:156:A:VAL:HG11	1:158:A:TYR:HA	10	2.41
(1,1629)	1:156:A:VAL:HG12	1:158:A:TYR:HA	10	2.41
(1,1629)	1:156:A:VAL:HG13	1:158:A:TYR:HA	10	2.41
(1,333)	1:15:A:GLU:HA	1:155:A:LYS:HA	10	2.41
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG21	1	2.41
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG22	1	2.41
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG23	1	2.41
(1,147)	1:95:A:SER:H	1:148:A:ALA:H	1	2.41
(1,58)	1:153:A:THR:HB	1:155:A:LYS:HG3	20	2.4
(1,1629)	1:156:A:VAL:HG11	1:158:A:TYR:HA	13	2.39
(1,1629)	1:156:A:VAL:HG12	1:158:A:TYR:HA	13	2.39
(1,1629)	1:156:A:VAL:HG13	1:158:A:TYR:HA	13	2.39
(1,569)	1:153:A:THR:HB	1:155:A:LYS:HG2	19	2.39
(1,333)	1:15:A:GLU:HA	1:155:A:LYS:HA	11	2.39
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG21	3	2.39
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG22	3	2.39
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG23	3	2.39
(1,1629)	1:156:A:VAL:HG11	1:158:A:TYR:HA	6	2.38
(1,1629)	1:156:A:VAL:HG12	1:158:A:TYR:HA	6	2.38
(1,1629)	1:156:A:VAL:HG13	1:158:A:TYR:HA	6	2.38
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG21	14	2.38
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG22	14	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,106)	1:15:A:GLU:H	1:153:A:THR:HG23	14	2.38
(1,96)	1:15:A:GLU:HB2	1:154:A:PHE:H	17	2.38
(1,38)	1:89:A:GLN:HE21	1:149:A:ASN:HD21	6	2.38
(1,2223)	1:16:A:VAL:H	1:155:A:LYS:HB3	4	2.37
(1,2223)	1:16:A:VAL:H	1:155:A:LYS:HB3	7	2.37
(1,2223)	1:16:A:VAL:H	1:155:A:LYS:HB3	17	2.37
(1,1031)	1:102:A:GLN:HB2	1:136:A:ARG:HE	5	2.37
(1,73)	1:32:A:VAL:HG11	1:53:A:GLY:H	6	2.37
(1,73)	1:32:A:VAL:HG12	1:53:A:GLY:H	6	2.37
(1,73)	1:32:A:VAL:HG13	1:53:A:GLY:H	6	2.37
(1,1629)	1:156:A:VAL:HG11	1:158:A:TYR:HA	11	2.36
(1,1629)	1:156:A:VAL:HG12	1:158:A:TYR:HA	11	2.36
(1,1629)	1:156:A:VAL:HG13	1:158:A:TYR:HA	11	2.36
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG21	8	2.36
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG22	8	2.36
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG23	8	2.36
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG21	13	2.36
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG22	13	2.36
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG23	13	2.36
(1,440)	1:15:A:GLU:HB2	1:153:A:THR:HA	7	2.36
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG2	10	2.35
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG3	10	2.35
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG2	10	2.35
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG3	10	2.35
(1,1629)	1:156:A:VAL:HG11	1:158:A:TYR:HA	14	2.35
(1,1629)	1:156:A:VAL:HG12	1:158:A:TYR:HA	14	2.35
(1,1629)	1:156:A:VAL:HG13	1:158:A:TYR:HA	14	2.35
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG21	3	2.35
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG22	3	2.35
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG23	3	2.35
(1,73)	1:32:A:VAL:HG11	1:53:A:GLY:H	16	2.35
(1,73)	1:32:A:VAL:HG12	1:53:A:GLY:H	16	2.35
(1,73)	1:32:A:VAL:HG13	1:53:A:GLY:H	16	2.35
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG21	9	2.34
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG22	9	2.34
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG23	9	2.34
(1,1031)	1:102:A:GLN:HB2	1:136:A:ARG:HE	2	2.33
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG21	19	2.33
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG22	19	2.33
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG23	19	2.33
(1,569)	1:153:A:THR:HB	1:155:A:LYS:HG2	15	2.33
(1,73)	1:32:A:VAL:HG11	1:53:A:GLY:H	15	2.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,73)	1:32:A:VAL:HG12	1:53:A:GLY:H	15	2.33
(1,73)	1:32:A:VAL:HG13	1:53:A:GLY:H	15	2.33
(1,73)	1:32:A:VAL:HG11	1:53:A:GLY:H	18	2.33
(1,73)	1:32:A:VAL:HG12	1:53:A:GLY:H	18	2.33
(1,73)	1:32:A:VAL:HG13	1:53:A:GLY:H	18	2.33
(1,1629)	1:156:A:VAL:HG11	1:158:A:TYR:HA	5	2.32
(1,1629)	1:156:A:VAL:HG12	1:158:A:TYR:HA	5	2.32
(1,1629)	1:156:A:VAL:HG13	1:158:A:TYR:HA	5	2.32
(1,1031)	1:102:A:GLN:HB2	1:136:A:ARG:HE	11	2.32
(1,333)	1:15:A:GLU:HA	1:155:A:LYS:HA	6	2.32
(1,1629)	1:156:A:VAL:HG11	1:158:A:TYR:HA	7	2.31
(1,1629)	1:156:A:VAL:HG12	1:158:A:TYR:HA	7	2.31
(1,1629)	1:156:A:VAL:HG13	1:158:A:TYR:HA	7	2.31
(1,333)	1:15:A:GLU:HA	1:155:A:LYS:HA	4	2.31
(1,2223)	1:16:A:VAL:H	1:155:A:LYS:HB3	10	2.3
(1,1629)	1:156:A:VAL:HG11	1:158:A:TYR:HA	4	2.3
(1,1629)	1:156:A:VAL:HG12	1:158:A:TYR:HA	4	2.3
(1,1629)	1:156:A:VAL:HG13	1:158:A:TYR:HA	4	2.3
(1,1031)	1:102:A:GLN:HB2	1:136:A:ARG:HE	15	2.3
(1,1031)	1:102:A:GLN:HB2	1:136:A:ARG:HE	19	2.3
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG21	20	2.3
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG22	20	2.3
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG23	20	2.3
(1,333)	1:15:A:GLU:HA	1:155:A:LYS:HA	5	2.3
(1,117)	1:124:A:LEU:HA	1:125:A:ASN:HD22	9	2.3
(1,333)	1:15:A:GLU:HA	1:155:A:LYS:HA	2	2.29
(1,3232)	1:68:A:LYS:HB2	1:159:A:GLN:H	20	2.28
(1,3232)	1:68:A:LYS:HB3	1:159:A:GLN:H	20	2.28
(1,2223)	1:16:A:VAL:H	1:155:A:LYS:HB3	2	2.28
(1,147)	1:95:A:SER:H	1:148:A:ALA:H	14	2.28
(1,440)	1:15:A:GLU:HB2	1:153:A:THR:HA	19	2.27
(1,58)	1:153:A:THR:HB	1:155:A:LYS:HG3	2	2.27
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG21	15	2.26
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG22	15	2.26
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG23	15	2.26
(1,440)	1:15:A:GLU:HB2	1:153:A:THR:HA	2	2.26
(1,73)	1:32:A:VAL:HG11	1:53:A:GLY:H	13	2.26
(1,73)	1:32:A:VAL:HG12	1:53:A:GLY:H	13	2.26
(1,73)	1:32:A:VAL:HG13	1:53:A:GLY:H	13	2.26
(1,2223)	1:16:A:VAL:H	1:155:A:LYS:HB3	11	2.25
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG21	19	2.24
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG22	19	2.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG23	19	2.24
(1,3232)	1:68:A:LYS:HB2	1:159:A:GLN:H	18	2.23
(1,3232)	1:68:A:LYS:HB3	1:159:A:GLN:H	18	2.23
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG21	18	2.23
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG22	18	2.23
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG23	18	2.23
(1,2223)	1:16:A:VAL:H	1:155:A:LYS:HB3	6	2.22
(1,1031)	1:102:A:GLN:HB2	1:136:A:ARG:HE	14	2.22
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG21	14	2.22
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG22	14	2.22
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG23	14	2.22
(1,61)	1:13:A:LYS:H	1:15:A:GLU:H	20	2.22
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG21	13	2.21
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG22	13	2.21
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG23	13	2.21
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG21	16	2.21
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG22	16	2.21
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG23	16	2.21
(1,569)	1:153:A:THR:HB	1:155:A:LYS:HG2	4	2.21
(1,569)	1:153:A:THR:HB	1:155:A:LYS:HG2	20	2.21
(1,905)	1:89:A:GLN:HE21	1:149:A:ASN:HB2	8	2.2
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG21	12	2.2
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG22	12	2.2
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG23	12	2.2
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG21	17	2.2
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG22	17	2.2
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG23	17	2.2
(1,440)	1:15:A:GLU:HB2	1:153:A:THR:HA	10	2.2
(1,73)	1:32:A:VAL:HG11	1:53:A:GLY:H	14	2.2
(1,73)	1:32:A:VAL:HG12	1:53:A:GLY:H	14	2.2
(1,73)	1:32:A:VAL:HG13	1:53:A:GLY:H	14	2.2
(1,61)	1:13:A:LYS:H	1:15:A:GLU:H	18	2.2
(1,3232)	1:68:A:LYS:HB2	1:159:A:GLN:H	3	2.19
(1,3232)	1:68:A:LYS:HB3	1:159:A:GLN:H	3	2.19
(1,96)	1:15:A:GLU:HB2	1:154:A:PHE:H	2	2.19
(1,61)	1:13:A:LYS:H	1:15:A:GLU:H	6	2.19
(1,905)	1:89:A:GLN:HE21	1:149:A:ASN:HB2	20	2.18
(1,440)	1:15:A:GLU:HB2	1:153:A:THR:HA	3	2.18
(1,73)	1:32:A:VAL:HG11	1:53:A:GLY:H	11	2.18
(1,73)	1:32:A:VAL:HG12	1:53:A:GLY:H	11	2.18
(1,73)	1:32:A:VAL:HG13	1:53:A:GLY:H	11	2.18
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG21	14	2.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG22	14	2.17
(1,62)	1:15:A:GLU:HB3	1:153:A:THR:HG23	14	2.17
(1,61)	1:13:A:LYS:H	1:15:A:GLU:H	8	2.17
(1,440)	1:15:A:GLU:HB2	1:153:A:THR:HA	15	2.16
(1,96)	1:15:A:GLU:HB2	1:154:A:PHE:H	10	2.16
(1,61)	1:13:A:LYS:H	1:15:A:GLU:H	17	2.16
(1,73)	1:32:A:VAL:HG11	1:53:A:GLY:H	12	2.15
(1,73)	1:32:A:VAL:HG12	1:53:A:GLY:H	12	2.15
(1,73)	1:32:A:VAL:HG13	1:53:A:GLY:H	12	2.15
(1,61)	1:13:A:LYS:H	1:15:A:GLU:H	13	2.15
(1,61)	1:13:A:LYS:H	1:15:A:GLU:H	14	2.15
(1,61)	1:13:A:LYS:H	1:15:A:GLU:H	19	2.15
(1,2223)	1:16:A:VAL:H	1:155:A:LYS:HB3	5	2.14
(1,1031)	1:102:A:GLN:HB2	1:136:A:ARG:HE	4	2.14
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG21	3	2.13
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG22	3	2.13
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG23	3	2.13
(1,61)	1:13:A:LYS:H	1:15:A:GLU:H	12	2.13
(1,3232)	1:68:A:LYS:HB2	1:159:A:GLN:H	1	2.12
(1,3232)	1:68:A:LYS:HB3	1:159:A:GLN:H	1	2.12
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG21	18	2.12
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG22	18	2.12
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG23	18	2.12
(1,73)	1:32:A:VAL:HG11	1:53:A:GLY:H	3	2.12
(1,73)	1:32:A:VAL:HG12	1:53:A:GLY:H	3	2.12
(1,73)	1:32:A:VAL:HG13	1:53:A:GLY:H	3	2.12
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG21	4	2.11
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG22	4	2.11
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG23	4	2.11
(1,61)	1:13:A:LYS:H	1:15:A:GLU:H	15	2.11
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD2	6	2.11
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD3	6	2.11
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD2	6	2.11
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD3	6	2.11
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD2	6	2.11
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD3	6	2.11
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD2	18	2.11
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD3	18	2.11
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD2	18	2.11
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD3	18	2.11
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD2	18	2.11
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD3	18	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1629)	1:156:A:VAL:HG11	1:158:A:TYR:HA	12	2.1
(1,1629)	1:156:A:VAL:HG12	1:158:A:TYR:HA	12	2.1
(1,1629)	1:156:A:VAL:HG13	1:158:A:TYR:HA	12	2.1
(1,1629)	1:156:A:VAL:HG11	1:158:A:TYR:HA	16	2.1
(1,1629)	1:156:A:VAL:HG12	1:158:A:TYR:HA	16	2.1
(1,1629)	1:156:A:VAL:HG13	1:158:A:TYR:HA	16	2.1
(1,3232)	1:68:A:LYS:HB2	1:159:A:GLN:H	9	2.09
(1,3232)	1:68:A:LYS:HB3	1:159:A:GLN:H	9	2.09
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG21	1	2.09
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG22	1	2.09
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG23	1	2.09
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG21	6	2.09
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG22	6	2.09
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG23	6	2.09
(1,61)	1:13:A:LYS:H	1:15:A:GLU:H	1	2.09
(1,61)	1:13:A:LYS:H	1:15:A:GLU:H	10	2.09
(1,966)	1:32:A:VAL:HG11	1:54:A:PHE:HA	8	2.08
(1,966)	1:32:A:VAL:HG12	1:54:A:PHE:HA	8	2.08
(1,966)	1:32:A:VAL:HG13	1:54:A:PHE:HA	8	2.08
(1,905)	1:89:A:GLN:HE21	1:149:A:ASN:HB2	18	2.08
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG21	7	2.08
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG22	7	2.08
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG23	7	2.08
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG21	6	2.08
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG22	6	2.08
(1,192)	1:88:A:LEU:HG	1:101:A:VAL:HG23	6	2.08
(1,73)	1:32:A:VAL:HG11	1:53:A:GLY:H	4	2.08
(1,73)	1:32:A:VAL:HG12	1:53:A:GLY:H	4	2.08
(1,73)	1:32:A:VAL:HG13	1:53:A:GLY:H	4	2.08
(1,73)	1:32:A:VAL:HG11	1:53:A:GLY:H	10	2.08
(1,73)	1:32:A:VAL:HG12	1:53:A:GLY:H	10	2.08
(1,73)	1:32:A:VAL:HG13	1:53:A:GLY:H	10	2.08
(1,3232)	1:68:A:LYS:HB2	1:159:A:GLN:H	13	2.07
(1,3232)	1:68:A:LYS:HB3	1:159:A:GLN:H	13	2.07
(1,61)	1:13:A:LYS:H	1:15:A:GLU:H	3	2.07
(1,61)	1:13:A:LYS:H	1:15:A:GLU:H	7	2.07
(1,3232)	1:68:A:LYS:HB2	1:159:A:GLN:H	6	2.05
(1,3232)	1:68:A:LYS:HB3	1:159:A:GLN:H	6	2.05
(1,532)	1:17:A:VAL:HG21	1:19:A:ALA:HA	15	2.05
(1,532)	1:17:A:VAL:HG22	1:19:A:ALA:HA	15	2.05
(1,532)	1:17:A:VAL:HG23	1:19:A:ALA:HA	15	2.05
(1,96)	1:15:A:GLU:HB2	1:154:A:PHE:H	5	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,61)	1:13:A:LYS:H	1:15:A:GLU:H	9	2.05
(1,61)	1:13:A:LYS:H	1:15:A:GLU:H	16	2.05
(1,3232)	1:68:A:LYS:HB2	1:159:A:GLN:H	4	2.04
(1,3232)	1:68:A:LYS:HB3	1:159:A:GLN:H	4	2.04
(1,3232)	1:68:A:LYS:HB2	1:159:A:GLN:H	17	2.04
(1,3232)	1:68:A:LYS:HB3	1:159:A:GLN:H	17	2.04
(1,61)	1:13:A:LYS:H	1:15:A:GLU:H	2	2.03
(1,61)	1:13:A:LYS:H	1:15:A:GLU:H	11	2.03
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG21	5	2.02
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG22	5	2.02
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG23	5	2.02
(1,569)	1:153:A:THR:HB	1:155:A:LYS:HG2	10	2.02
(1,96)	1:15:A:GLU:HB2	1:154:A:PHE:H	14	2.02
(1,61)	1:13:A:LYS:H	1:15:A:GLU:H	4	2.02
(1,1031)	1:102:A:GLN:HB2	1:136:A:ARG:HE	16	2.01
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG21	2	2.01
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG22	2	2.01
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG23	2	2.01
(1,532)	1:17:A:VAL:HG21	1:19:A:ALA:HA	8	2.0
(1,532)	1:17:A:VAL:HG22	1:19:A:ALA:HA	8	2.0
(1,532)	1:17:A:VAL:HG23	1:19:A:ALA:HA	8	2.0
(1,440)	1:15:A:GLU:HB2	1:153:A:THR:HA	14	2.0
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG21	10	1.99
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG22	10	1.99
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG23	10	1.99
(1,532)	1:17:A:VAL:HG21	1:19:A:ALA:HA	2	1.99
(1,532)	1:17:A:VAL:HG22	1:19:A:ALA:HA	2	1.99
(1,532)	1:17:A:VAL:HG23	1:19:A:ALA:HA	2	1.99
(1,440)	1:15:A:GLU:HB2	1:153:A:THR:HA	11	1.99
(1,108)	1:34:A:LEU:HD11	1:150:A:ALA:H	16	1.99
(1,108)	1:34:A:LEU:HD12	1:150:A:ALA:H	16	1.99
(1,108)	1:34:A:LEU:HD13	1:150:A:ALA:H	16	1.99
(1,96)	1:15:A:GLU:HB2	1:154:A:PHE:H	3	1.99
(1,96)	1:15:A:GLU:HB2	1:154:A:PHE:H	15	1.98
(1,3232)	1:68:A:LYS:HB2	1:159:A:GLN:H	11	1.97
(1,3232)	1:68:A:LYS:HB3	1:159:A:GLN:H	11	1.97
(1,569)	1:153:A:THR:HB	1:155:A:LYS:HG2	8	1.97
(1,3232)	1:68:A:LYS:HB2	1:159:A:GLN:H	7	1.96
(1,3232)	1:68:A:LYS:HB3	1:159:A:GLN:H	7	1.96
(1,905)	1:89:A:GLN:HE21	1:149:A:ASN:HB2	16	1.96
(1,569)	1:153:A:THR:HB	1:155:A:LYS:HG2	11	1.96
(1,96)	1:15:A:GLU:HB2	1:154:A:PHE:H	7	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,61)	1:13:A:LYS:H	1:15:A:GLU:H	5	1.96
(1,96)	1:15:A:GLU:HB2	1:154:A:PHE:H	11	1.95
(1,3232)	1:68:A:LYS:HB2	1:159:A:GLN:H	10	1.94
(1,3232)	1:68:A:LYS:HB3	1:159:A:GLN:H	10	1.94
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG21	1	1.94
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG22	1	1.94
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG23	1	1.94
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG21	1	1.94
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG22	1	1.94
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG23	1	1.94
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG21	11	1.94
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG22	11	1.94
(1,835)	1:16:A:VAL:HA	1:156:A:VAL:HG23	11	1.94
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD2	1	1.94
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD3	1	1.94
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD2	1	1.94
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD3	1	1.94
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD2	1	1.94
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD3	1	1.94
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG2	14	1.93
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG3	14	1.93
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG2	14	1.93
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG3	14	1.93
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG21	4	1.93
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG22	4	1.93
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG23	4	1.93
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG21	4	1.93
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG22	4	1.93
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG23	4	1.93
(1,108)	1:34:A:LEU:HD11	1:150:A:ALA:H	15	1.93
(1,108)	1:34:A:LEU:HD12	1:150:A:ALA:H	15	1.93
(1,108)	1:34:A:LEU:HD13	1:150:A:ALA:H	15	1.93
(1,2210)	1:156:A:VAL:HG11	1:158:A:TYR:H	19	1.92
(1,2210)	1:156:A:VAL:HG12	1:158:A:TYR:H	19	1.92
(1,2210)	1:156:A:VAL:HG13	1:158:A:TYR:H	19	1.92
(1,1031)	1:102:A:GLN:HB2	1:136:A:ARG:HE	18	1.92
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG21	7	1.92
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG22	7	1.92
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG23	7	1.92
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG21	7	1.92
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG22	7	1.92
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG23	7	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,569)	1:153:A:THR:HB	1:155:A:LYS:HG2	13	1.92
(1,532)	1:17:A:VAL:HG21	1:19:A:ALA:HA	9	1.92
(1,532)	1:17:A:VAL:HG22	1:19:A:ALA:HA	9	1.92
(1,532)	1:17:A:VAL:HG23	1:19:A:ALA:HA	9	1.92
(1,1031)	1:102:A:GLN:HB2	1:136:A:ARG:HE	20	1.91
(1,966)	1:32:A:VAL:HG11	1:54:A:PHE:HA	13	1.91
(1,966)	1:32:A:VAL:HG12	1:54:A:PHE:HA	13	1.91
(1,966)	1:32:A:VAL:HG13	1:54:A:PHE:HA	13	1.91
(1,73)	1:32:A:VAL:HG11	1:53:A:GLY:H	5	1.91
(1,73)	1:32:A:VAL:HG12	1:53:A:GLY:H	5	1.91
(1,73)	1:32:A:VAL:HG13	1:53:A:GLY:H	5	1.91
(1,73)	1:32:A:VAL:HG11	1:53:A:GLY:H	17	1.91
(1,73)	1:32:A:VAL:HG12	1:53:A:GLY:H	17	1.91
(1,73)	1:32:A:VAL:HG13	1:53:A:GLY:H	17	1.91
(1,905)	1:89:A:GLN:HE21	1:149:A:ASN:HB2	3	1.9
(1,108)	1:34:A:LEU:HD11	1:150:A:ALA:H	13	1.9
(1,108)	1:34:A:LEU:HD12	1:150:A:ALA:H	13	1.9
(1,108)	1:34:A:LEU:HD13	1:150:A:ALA:H	13	1.9
(1,73)	1:32:A:VAL:HG11	1:53:A:GLY:H	9	1.9
(1,73)	1:32:A:VAL:HG12	1:53:A:GLY:H	9	1.9
(1,73)	1:32:A:VAL:HG13	1:53:A:GLY:H	9	1.9
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD2	19	1.89
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD3	19	1.89
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD2	19	1.89
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD3	19	1.89
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD2	19	1.89
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD3	19	1.89
(1,966)	1:32:A:VAL:HG11	1:54:A:PHE:HA	15	1.88
(1,966)	1:32:A:VAL:HG12	1:54:A:PHE:HA	15	1.88
(1,966)	1:32:A:VAL:HG13	1:54:A:PHE:HA	15	1.88
(1,900)	1:86:A:LEU:HD11	1:101:A:VAL:HB	13	1.88
(1,900)	1:86:A:LEU:HD12	1:101:A:VAL:HB	13	1.88
(1,900)	1:86:A:LEU:HD13	1:101:A:VAL:HB	13	1.88
(1,108)	1:34:A:LEU:HD11	1:150:A:ALA:H	7	1.87
(1,108)	1:34:A:LEU:HD12	1:150:A:ALA:H	7	1.87
(1,108)	1:34:A:LEU:HD13	1:150:A:ALA:H	7	1.87
(1,96)	1:15:A:GLU:HB2	1:154:A:PHE:H	19	1.87
(1,108)	1:34:A:LEU:HD11	1:150:A:ALA:H	19	1.86
(1,108)	1:34:A:LEU:HD12	1:150:A:ALA:H	19	1.86
(1,108)	1:34:A:LEU:HD13	1:150:A:ALA:H	19	1.86
(1,96)	1:15:A:GLU:HB2	1:154:A:PHE:H	9	1.86
(1,3232)	1:68:A:LYS:HB2	1:159:A:GLN:H	14	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3232)	1:68:A:LYS:HB3	1:159:A:GLN:H	14	1.85
(1,1031)	1:102:A:GLN:HB2	1:136:A:ARG:HE	10	1.85
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG21	10	1.85
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG22	10	1.85
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG23	10	1.85
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG21	10	1.85
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG22	10	1.85
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG23	10	1.85
(1,3232)	1:68:A:LYS:HB2	1:159:A:GLN:H	5	1.83
(1,3232)	1:68:A:LYS:HB3	1:159:A:GLN:H	5	1.83
(1,2044)	1:10:A:VAL:HB	1:32:A:VAL:HB	1	1.83
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD2	15	1.83
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD3	15	1.83
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD2	15	1.83
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD3	15	1.83
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD2	15	1.83
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD3	15	1.83
(1,966)	1:32:A:VAL:HG11	1:54:A:PHE:HA	12	1.82
(1,966)	1:32:A:VAL:HG12	1:54:A:PHE:HA	12	1.82
(1,966)	1:32:A:VAL:HG13	1:54:A:PHE:HA	12	1.82
(1,532)	1:17:A:VAL:HG21	1:19:A:ALA:HA	20	1.82
(1,532)	1:17:A:VAL:HG22	1:19:A:ALA:HA	20	1.82
(1,532)	1:17:A:VAL:HG23	1:19:A:ALA:HA	20	1.82
(1,108)	1:34:A:LEU:HD11	1:150:A:ALA:H	5	1.82
(1,108)	1:34:A:LEU:HD12	1:150:A:ALA:H	5	1.82
(1,108)	1:34:A:LEU:HD13	1:150:A:ALA:H	5	1.82
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD2	5	1.82
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD3	5	1.82
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD2	5	1.82
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD3	5	1.82
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD2	5	1.82
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD3	5	1.82
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD2	8	1.82
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD3	8	1.82
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD2	8	1.82
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD3	8	1.82
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD2	8	1.82
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD3	8	1.82
(1,901)	1:86:A:LEU:HD21	1:150:A:ALA:H	3	1.81
(1,901)	1:86:A:LEU:HD22	1:150:A:ALA:H	3	1.81
(1,901)	1:86:A:LEU:HD23	1:150:A:ALA:H	3	1.81
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG21	19	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG22	19	1.8
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG23	19	1.8
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG21	19	1.8
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG22	19	1.8
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG23	19	1.8
(1,73)	1:32:A:VAL:HG11	1:53:A:GLY:H	2	1.8
(1,73)	1:32:A:VAL:HG12	1:53:A:GLY:H	2	1.8
(1,73)	1:32:A:VAL:HG13	1:53:A:GLY:H	2	1.8
(1,2210)	1:156:A:VAL:HG11	1:158:A:TYR:H	10	1.79
(1,2210)	1:156:A:VAL:HG12	1:158:A:TYR:H	10	1.79
(1,2210)	1:156:A:VAL:HG13	1:158:A:TYR:H	10	1.79
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD2	13	1.79
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD3	13	1.79
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD2	13	1.79
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD3	13	1.79
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD2	13	1.79
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD3	13	1.79
(1,2210)	1:156:A:VAL:HG11	1:158:A:TYR:H	17	1.78
(1,2210)	1:156:A:VAL:HG12	1:158:A:TYR:H	17	1.78
(1,2210)	1:156:A:VAL:HG13	1:158:A:TYR:H	17	1.78
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD2	20	1.78
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD3	20	1.78
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD2	20	1.78
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD3	20	1.78
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD2	20	1.78
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD3	20	1.78
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG2	16	1.77
(1,3242)	1:68:A:LYS:HD2	1:159:A:GLN:HG3	16	1.77
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG2	16	1.77
(1,3242)	1:68:A:LYS:HD3	1:159:A:GLN:HG3	16	1.77
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG21	16	1.77
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG22	16	1.77
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG23	16	1.77
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG21	16	1.77
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG22	16	1.77
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG23	16	1.77
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG21	16	1.77
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG22	16	1.77
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG23	16	1.77
(1,1178)	1:101:A:VAL:HG11	1:136:A:ARG:H	7	1.76
(1,1178)	1:101:A:VAL:HG12	1:136:A:ARG:H	7	1.76
(1,1178)	1:101:A:VAL:HG13	1:136:A:ARG:H	7	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB1	8	1.76
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB2	8	1.76
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB3	8	1.76
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB1	8	1.76
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB2	8	1.76
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB3	8	1.76
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB1	8	1.76
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB2	8	1.76
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB3	8	1.76
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG21	11	1.76
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG22	11	1.76
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG23	11	1.76
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG21	11	1.76
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG22	11	1.76
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG23	11	1.76
(1,532)	1:17:A:VAL:HG21	1:19:A:ALA:HA	14	1.76
(1,532)	1:17:A:VAL:HG22	1:19:A:ALA:HA	14	1.76
(1,532)	1:17:A:VAL:HG23	1:19:A:ALA:HA	14	1.76
(1,73)	1:32:A:VAL:HG11	1:53:A:GLY:H	19	1.76
(1,73)	1:32:A:VAL:HG12	1:53:A:GLY:H	19	1.76
(1,73)	1:32:A:VAL:HG13	1:53:A:GLY:H	19	1.76
(1,1178)	1:101:A:VAL:HG11	1:136:A:ARG:H	13	1.75
(1,1178)	1:101:A:VAL:HG12	1:136:A:ARG:H	13	1.75
(1,1178)	1:101:A:VAL:HG13	1:136:A:ARG:H	13	1.75
(1,900)	1:86:A:LEU:HD11	1:101:A:VAL:HB	19	1.75
(1,900)	1:86:A:LEU:HD12	1:101:A:VAL:HB	19	1.75
(1,900)	1:86:A:LEU:HD13	1:101:A:VAL:HB	19	1.75
(1,966)	1:32:A:VAL:HG11	1:54:A:PHE:HA	16	1.74
(1,966)	1:32:A:VAL:HG12	1:54:A:PHE:HA	16	1.74
(1,966)	1:32:A:VAL:HG13	1:54:A:PHE:HA	16	1.74
(1,900)	1:86:A:LEU:HD11	1:101:A:VAL:HB	16	1.74
(1,900)	1:86:A:LEU:HD12	1:101:A:VAL:HB	16	1.74
(1,900)	1:86:A:LEU:HD13	1:101:A:VAL:HB	16	1.74
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG21	13	1.74
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG22	13	1.74
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG23	13	1.74
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG21	13	1.74
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG22	13	1.74
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG23	13	1.74
(1,108)	1:34:A:LEU:HD11	1:150:A:ALA:H	12	1.74
(1,108)	1:34:A:LEU:HD12	1:150:A:ALA:H	12	1.74
(1,108)	1:34:A:LEU:HD13	1:150:A:ALA:H	12	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,949)	1:14:A:GLY:HA3	1:155:A:LYS:HA	8	1.73
(1,108)	1:34:A:LEU:HD11	1:150:A:ALA:H	3	1.73
(1,108)	1:34:A:LEU:HD12	1:150:A:ALA:H	3	1.73
(1,108)	1:34:A:LEU:HD13	1:150:A:ALA:H	3	1.73
(1,3232)	1:68:A:LYS:HB2	1:159:A:GLN:H	12	1.72
(1,3232)	1:68:A:LYS:HB3	1:159:A:GLN:H	12	1.72
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG11	1	1.72
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG12	1	1.72
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG13	1	1.72
(1,900)	1:86:A:LEU:HD11	1:101:A:VAL:HB	2	1.72
(1,900)	1:86:A:LEU:HD12	1:101:A:VAL:HB	2	1.72
(1,900)	1:86:A:LEU:HD13	1:101:A:VAL:HB	2	1.72
(1,108)	1:34:A:LEU:HD11	1:150:A:ALA:H	4	1.72
(1,108)	1:34:A:LEU:HD12	1:150:A:ALA:H	4	1.72
(1,108)	1:34:A:LEU:HD13	1:150:A:ALA:H	4	1.72
(1,73)	1:32:A:VAL:HG11	1:53:A:GLY:H	7	1.72
(1,73)	1:32:A:VAL:HG12	1:53:A:GLY:H	7	1.72
(1,73)	1:32:A:VAL:HG13	1:53:A:GLY:H	7	1.72
(1,2210)	1:156:A:VAL:HG11	1:158:A:TYR:H	5	1.71
(1,2210)	1:156:A:VAL:HG12	1:158:A:TYR:H	5	1.71
(1,2210)	1:156:A:VAL:HG13	1:158:A:TYR:H	5	1.71
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB1	15	1.71
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB2	15	1.71
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB3	15	1.71
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB1	15	1.71
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB2	15	1.71
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB3	15	1.71
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB1	15	1.71
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB2	15	1.71
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB3	15	1.71
(1,905)	1:89:A:GLN:HE21	1:149:A:ASN:HB2	14	1.71
(1,901)	1:86:A:LEU:HD21	1:150:A:ALA:H	8	1.71
(1,901)	1:86:A:LEU:HD22	1:150:A:ALA:H	8	1.71
(1,901)	1:86:A:LEU:HD23	1:150:A:ALA:H	8	1.71
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG21	3	1.71
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG22	3	1.71
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG23	3	1.71
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG21	3	1.71
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG22	3	1.71
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG23	3	1.71
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG21	16	1.7
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG22	16	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG23	16	1.7
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG21	16	1.7
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG22	16	1.7
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG23	16	1.7
(1,532)	1:17:A:VAL:HG21	1:19:A:ALA:HA	18	1.7
(1,532)	1:17:A:VAL:HG22	1:19:A:ALA:HA	18	1.7
(1,532)	1:17:A:VAL:HG23	1:19:A:ALA:HA	18	1.7
(1,108)	1:34:A:LEU:HD11	1:150:A:ALA:H	6	1.7
(1,108)	1:34:A:LEU:HD12	1:150:A:ALA:H	6	1.7
(1,108)	1:34:A:LEU:HD13	1:150:A:ALA:H	6	1.7
(1,108)	1:34:A:LEU:HD11	1:150:A:ALA:H	11	1.7
(1,108)	1:34:A:LEU:HD12	1:150:A:ALA:H	11	1.7
(1,108)	1:34:A:LEU:HD13	1:150:A:ALA:H	11	1.7
(1,1178)	1:101:A:VAL:HG11	1:136:A:ARG:H	12	1.69
(1,1178)	1:101:A:VAL:HG12	1:136:A:ARG:H	12	1.69
(1,1178)	1:101:A:VAL:HG13	1:136:A:ARG:H	12	1.69
(1,1178)	1:101:A:VAL:HG11	1:136:A:ARG:H	15	1.69
(1,1178)	1:101:A:VAL:HG12	1:136:A:ARG:H	15	1.69
(1,1178)	1:101:A:VAL:HG13	1:136:A:ARG:H	15	1.69
(1,901)	1:86:A:LEU:HD21	1:150:A:ALA:H	2	1.69
(1,901)	1:86:A:LEU:HD22	1:150:A:ALA:H	2	1.69
(1,901)	1:86:A:LEU:HD23	1:150:A:ALA:H	2	1.69
(1,901)	1:86:A:LEU:HD21	1:150:A:ALA:H	11	1.69
(1,901)	1:86:A:LEU:HD22	1:150:A:ALA:H	11	1.69
(1,901)	1:86:A:LEU:HD23	1:150:A:ALA:H	11	1.69
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG21	6	1.69
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG22	6	1.69
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG23	6	1.69
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG21	6	1.69
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG22	6	1.69
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG23	6	1.69
(1,108)	1:34:A:LEU:HD11	1:150:A:ALA:H	10	1.69
(1,108)	1:34:A:LEU:HD12	1:150:A:ALA:H	10	1.69
(1,108)	1:34:A:LEU:HD13	1:150:A:ALA:H	10	1.69
(1,901)	1:86:A:LEU:HD21	1:150:A:ALA:H	14	1.68
(1,901)	1:86:A:LEU:HD22	1:150:A:ALA:H	14	1.68
(1,901)	1:86:A:LEU:HD23	1:150:A:ALA:H	14	1.68
(1,532)	1:17:A:VAL:HG21	1:19:A:ALA:HA	7	1.68
(1,532)	1:17:A:VAL:HG22	1:19:A:ALA:HA	7	1.68
(1,532)	1:17:A:VAL:HG23	1:19:A:ALA:HA	7	1.68
(1,905)	1:89:A:GLN:HE21	1:149:A:ASN:HB2	5	1.67
(1,905)	1:89:A:GLN:HE21	1:149:A:ASN:HB2	13	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,861)	1:48:A:THR:HG21	1:136:A:ARG:HE	1	1.67
(1,861)	1:48:A:THR:HG22	1:136:A:ARG:HE	1	1.67
(1,861)	1:48:A:THR:HG23	1:136:A:ARG:HE	1	1.67
(1,532)	1:17:A:VAL:HG21	1:19:A:ALA:HA	16	1.67
(1,532)	1:17:A:VAL:HG22	1:19:A:ALA:HA	16	1.67
(1,532)	1:17:A:VAL:HG23	1:19:A:ALA:HA	16	1.67
(1,2210)	1:156:A:VAL:HG11	1:158:A:TYR:H	11	1.66
(1,2210)	1:156:A:VAL:HG12	1:158:A:TYR:H	11	1.66
(1,2210)	1:156:A:VAL:HG13	1:158:A:TYR:H	11	1.66
(1,966)	1:32:A:VAL:HG11	1:54:A:PHE:HA	14	1.66
(1,966)	1:32:A:VAL:HG12	1:54:A:PHE:HA	14	1.66
(1,966)	1:32:A:VAL:HG13	1:54:A:PHE:HA	14	1.66
(1,901)	1:86:A:LEU:HD21	1:150:A:ALA:H	10	1.66
(1,901)	1:86:A:LEU:HD22	1:150:A:ALA:H	10	1.66
(1,901)	1:86:A:LEU:HD23	1:150:A:ALA:H	10	1.66
(1,108)	1:34:A:LEU:HD11	1:150:A:ALA:H	20	1.66
(1,108)	1:34:A:LEU:HD12	1:150:A:ALA:H	20	1.66
(1,108)	1:34:A:LEU:HD13	1:150:A:ALA:H	20	1.66
(1,966)	1:32:A:VAL:HG11	1:54:A:PHE:HA	10	1.65
(1,966)	1:32:A:VAL:HG12	1:54:A:PHE:HA	10	1.65
(1,966)	1:32:A:VAL:HG13	1:54:A:PHE:HA	10	1.65
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB1	9	1.65
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB2	9	1.65
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB3	9	1.65
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB1	9	1.65
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB2	9	1.65
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB3	9	1.65
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB1	9	1.65
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB2	9	1.65
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB3	9	1.65
(1,901)	1:86:A:LEU:HD21	1:150:A:ALA:H	20	1.65
(1,901)	1:86:A:LEU:HD22	1:150:A:ALA:H	20	1.65
(1,901)	1:86:A:LEU:HD23	1:150:A:ALA:H	20	1.65
(1,838)	1:19:A:ALA:HB1	1:158:A:TYR:H	2	1.65
(1,838)	1:19:A:ALA:HB2	1:158:A:TYR:H	2	1.65
(1,838)	1:19:A:ALA:HB3	1:158:A:TYR:H	2	1.65
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB1	2	1.64
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB2	2	1.64
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB3	2	1.64
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB1	2	1.64
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB2	2	1.64
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB3	2	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB1	2	1.64
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB2	2	1.64
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB3	2	1.64
(1,901)	1:86:A:LEU:HD21	1:150:A:ALA:H	5	1.64
(1,901)	1:86:A:LEU:HD22	1:150:A:ALA:H	5	1.64
(1,901)	1:86:A:LEU:HD23	1:150:A:ALA:H	5	1.64
(1,900)	1:86:A:LEU:HD11	1:101:A:VAL:HB	7	1.64
(1,900)	1:86:A:LEU:HD12	1:101:A:VAL:HB	7	1.64
(1,900)	1:86:A:LEU:HD13	1:101:A:VAL:HB	7	1.64
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG21	1	1.64
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG22	1	1.64
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG23	1	1.64
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG21	1	1.64
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG22	1	1.64
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG23	1	1.64
(1,532)	1:17:A:VAL:HG21	1:19:A:ALA:HA	6	1.64
(1,532)	1:17:A:VAL:HG22	1:19:A:ALA:HA	6	1.64
(1,532)	1:17:A:VAL:HG23	1:19:A:ALA:HA	6	1.64
(1,108)	1:34:A:LEU:HD11	1:150:A:ALA:H	14	1.64
(1,108)	1:34:A:LEU:HD12	1:150:A:ALA:H	14	1.64
(1,108)	1:34:A:LEU:HD13	1:150:A:ALA:H	14	1.64
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG21	1	1.63
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG22	1	1.63
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG23	1	1.63
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG21	1	1.63
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG22	1	1.63
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG23	1	1.63
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG21	1	1.63
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG22	1	1.63
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG23	1	1.63
(1,2210)	1:156:A:VAL:HG11	1:158:A:TYR:H	18	1.63
(1,2210)	1:156:A:VAL:HG12	1:158:A:TYR:H	18	1.63
(1,2210)	1:156:A:VAL:HG13	1:158:A:TYR:H	18	1.63
(1,861)	1:48:A:THR:HG21	1:136:A:ARG:HE	10	1.63
(1,861)	1:48:A:THR:HG22	1:136:A:ARG:HE	10	1.63
(1,861)	1:48:A:THR:HG23	1:136:A:ARG:HE	10	1.63
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD2	17	1.63
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD3	17	1.63
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD2	17	1.63
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD3	17	1.63
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD2	17	1.63
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD3	17	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2210)	1:156:A:VAL:HG11	1:158:A:TYR:H	2	1.62
(1,2210)	1:156:A:VAL:HG12	1:158:A:TYR:H	2	1.62
(1,2210)	1:156:A:VAL:HG13	1:158:A:TYR:H	2	1.62
(1,2210)	1:156:A:VAL:HG11	1:158:A:TYR:H	12	1.62
(1,2210)	1:156:A:VAL:HG12	1:158:A:TYR:H	12	1.62
(1,2210)	1:156:A:VAL:HG13	1:158:A:TYR:H	12	1.62
(1,1178)	1:101:A:VAL:HG11	1:136:A:ARG:H	4	1.62
(1,1178)	1:101:A:VAL:HG12	1:136:A:ARG:H	4	1.62
(1,1178)	1:101:A:VAL:HG13	1:136:A:ARG:H	4	1.62
(1,1178)	1:101:A:VAL:HG11	1:136:A:ARG:H	10	1.62
(1,1178)	1:101:A:VAL:HG12	1:136:A:ARG:H	10	1.62
(1,1178)	1:101:A:VAL:HG13	1:136:A:ARG:H	10	1.62
(1,905)	1:89:A:GLN:HE21	1:149:A:ASN:HB2	19	1.62
(1,901)	1:86:A:LEU:HD21	1:150:A:ALA:H	12	1.62
(1,901)	1:86:A:LEU:HD22	1:150:A:ALA:H	12	1.62
(1,901)	1:86:A:LEU:HD23	1:150:A:ALA:H	12	1.62
(1,900)	1:86:A:LEU:HD11	1:101:A:VAL:HB	4	1.62
(1,900)	1:86:A:LEU:HD12	1:101:A:VAL:HB	4	1.62
(1,900)	1:86:A:LEU:HD13	1:101:A:VAL:HB	4	1.62
(1,900)	1:86:A:LEU:HD11	1:101:A:VAL:HB	14	1.62
(1,900)	1:86:A:LEU:HD12	1:101:A:VAL:HB	14	1.62
(1,900)	1:86:A:LEU:HD13	1:101:A:VAL:HB	14	1.62
(1,685)	1:101:A:VAL:HG11	1:135:A:ALA:HA	7	1.62
(1,685)	1:101:A:VAL:HG12	1:135:A:ALA:HA	7	1.62
(1,685)	1:101:A:VAL:HG13	1:135:A:ALA:HA	7	1.62
(1,532)	1:17:A:VAL:HG21	1:19:A:ALA:HA	17	1.62
(1,532)	1:17:A:VAL:HG22	1:19:A:ALA:HA	17	1.62
(1,532)	1:17:A:VAL:HG23	1:19:A:ALA:HA	17	1.62
(1,3287)	1:78:A:ILE:HG21	1:102:A:GLN:HG2	15	1.61
(1,3287)	1:78:A:ILE:HG21	1:102:A:GLN:HG3	15	1.61
(1,3287)	1:78:A:ILE:HG22	1:102:A:GLN:HG2	15	1.61
(1,3287)	1:78:A:ILE:HG22	1:102:A:GLN:HG3	15	1.61
(1,3287)	1:78:A:ILE:HG23	1:102:A:GLN:HG2	15	1.61
(1,3287)	1:78:A:ILE:HG23	1:102:A:GLN:HG3	15	1.61
(1,1178)	1:101:A:VAL:HG11	1:136:A:ARG:H	20	1.61
(1,1178)	1:101:A:VAL:HG12	1:136:A:ARG:H	20	1.61
(1,1178)	1:101:A:VAL:HG13	1:136:A:ARG:H	20	1.61
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG21	19	1.61
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG22	19	1.61
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG23	19	1.61
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG21	19	1.61
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG22	19	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG23	19	1.61
(1,901)	1:86:A:LEU:HD21	1:150:A:ALA:H	17	1.61
(1,901)	1:86:A:LEU:HD22	1:150:A:ALA:H	17	1.61
(1,901)	1:86:A:LEU:HD23	1:150:A:ALA:H	17	1.61
(1,900)	1:86:A:LEU:HD11	1:101:A:VAL:HB	9	1.61
(1,900)	1:86:A:LEU:HD12	1:101:A:VAL:HB	9	1.61
(1,900)	1:86:A:LEU:HD13	1:101:A:VAL:HB	9	1.61
(1,900)	1:86:A:LEU:HD11	1:101:A:VAL:HB	11	1.61
(1,900)	1:86:A:LEU:HD12	1:101:A:VAL:HB	11	1.61
(1,900)	1:86:A:LEU:HD13	1:101:A:VAL:HB	11	1.61
(1,861)	1:48:A:THR:HG21	1:136:A:ARG:HE	14	1.61
(1,861)	1:48:A:THR:HG22	1:136:A:ARG:HE	14	1.61
(1,861)	1:48:A:THR:HG23	1:136:A:ARG:HE	14	1.61
(1,532)	1:17:A:VAL:HG21	1:19:A:ALA:HA	13	1.61
(1,532)	1:17:A:VAL:HG22	1:19:A:ALA:HA	13	1.61
(1,532)	1:17:A:VAL:HG23	1:19:A:ALA:HA	13	1.61
(1,108)	1:34:A:LEU:HD11	1:150:A:ALA:H	18	1.61
(1,108)	1:34:A:LEU:HD12	1:150:A:ALA:H	18	1.61
(1,108)	1:34:A:LEU:HD13	1:150:A:ALA:H	18	1.61
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD2	10	1.61
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD3	10	1.61
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD2	10	1.61
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD3	10	1.61
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD2	10	1.61
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD3	10	1.61
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG11	6	1.6
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG12	6	1.6
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG13	6	1.6
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG21	18	1.6
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG22	18	1.6
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG23	18	1.6
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG21	18	1.6
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG22	18	1.6
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG23	18	1.6
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG21	18	1.6
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG22	18	1.6
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG23	18	1.6
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB1	8	1.6
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB2	8	1.6
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB3	8	1.6
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB1	8	1.6
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB2	8	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB3	8	1.6
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB1	8	1.6
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB2	8	1.6
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB3	8	1.6
(1,1178)	1:101:A:VAL:HG11	1:136:A:ARG:H	11	1.6
(1,1178)	1:101:A:VAL:HG12	1:136:A:ARG:H	11	1.6
(1,1178)	1:101:A:VAL:HG13	1:136:A:ARG:H	11	1.6
(1,905)	1:89:A:GLN:HE21	1:149:A:ASN:HB2	7	1.6
(1,901)	1:86:A:LEU:HD21	1:150:A:ALA:H	7	1.6
(1,901)	1:86:A:LEU:HD22	1:150:A:ALA:H	7	1.6
(1,901)	1:86:A:LEU:HD23	1:150:A:ALA:H	7	1.6
(1,901)	1:86:A:LEU:HD21	1:150:A:ALA:H	19	1.6
(1,901)	1:86:A:LEU:HD22	1:150:A:ALA:H	19	1.6
(1,901)	1:86:A:LEU:HD23	1:150:A:ALA:H	19	1.6
(1,900)	1:86:A:LEU:HD11	1:101:A:VAL:HB	8	1.6
(1,900)	1:86:A:LEU:HD12	1:101:A:VAL:HB	8	1.6
(1,900)	1:86:A:LEU:HD13	1:101:A:VAL:HB	8	1.6
(1,900)	1:86:A:LEU:HD11	1:101:A:VAL:HB	17	1.6
(1,900)	1:86:A:LEU:HD12	1:101:A:VAL:HB	17	1.6
(1,900)	1:86:A:LEU:HD13	1:101:A:VAL:HB	17	1.6
(1,861)	1:48:A:THR:HG21	1:136:A:ARG:HE	2	1.6
(1,861)	1:48:A:THR:HG22	1:136:A:ARG:HE	2	1.6
(1,861)	1:48:A:THR:HG23	1:136:A:ARG:HE	2	1.6
(1,73)	1:32:A:VAL:HG11	1:53:A:GLY:H	1	1.6
(1,73)	1:32:A:VAL:HG12	1:53:A:GLY:H	1	1.6
(1,73)	1:32:A:VAL:HG13	1:53:A:GLY:H	1	1.6
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD2	16	1.6
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD3	16	1.6
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD2	16	1.6
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD3	16	1.6
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD2	16	1.6
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD3	16	1.6
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG21	4	1.59
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG22	4	1.59
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG23	4	1.59
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG21	4	1.59
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG22	4	1.59
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG23	4	1.59
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG21	4	1.59
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG22	4	1.59
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG23	4	1.59
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG21	5	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG22	5	1.59
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG23	5	1.59
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG21	5	1.59
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG22	5	1.59
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG23	5	1.59
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG21	5	1.59
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG22	5	1.59
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG23	5	1.59
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB1	9	1.59
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB2	9	1.59
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB3	9	1.59
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB1	9	1.59
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB2	9	1.59
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB3	9	1.59
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB1	9	1.59
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB2	9	1.59
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB3	9	1.59
(1,1178)	1:101:A:VAL:HG11	1:136:A:ARG:H	9	1.59
(1,1178)	1:101:A:VAL:HG12	1:136:A:ARG:H	9	1.59
(1,1178)	1:101:A:VAL:HG13	1:136:A:ARG:H	9	1.59
(1,1178)	1:101:A:VAL:HG11	1:136:A:ARG:H	19	1.59
(1,1178)	1:101:A:VAL:HG12	1:136:A:ARG:H	19	1.59
(1,1178)	1:101:A:VAL:HG13	1:136:A:ARG:H	19	1.59
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG21	4	1.59
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG22	4	1.59
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG23	4	1.59
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG21	4	1.59
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG22	4	1.59
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG23	4	1.59
(1,901)	1:86:A:LEU:HD21	1:150:A:ALA:H	6	1.59
(1,901)	1:86:A:LEU:HD22	1:150:A:ALA:H	6	1.59
(1,901)	1:86:A:LEU:HD23	1:150:A:ALA:H	6	1.59
(1,900)	1:86:A:LEU:HD11	1:101:A:VAL:HB	15	1.59
(1,900)	1:86:A:LEU:HD12	1:101:A:VAL:HB	15	1.59
(1,900)	1:86:A:LEU:HD13	1:101:A:VAL:HB	15	1.59
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG21	18	1.59
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG22	18	1.59
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG23	18	1.59
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG21	18	1.59
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG22	18	1.59
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG23	18	1.59
(1,108)	1:34:A:LEU:HD11	1:150:A:ALA:H	8	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,108)	1:34:A:LEU:HD12	1:150:A:ALA:H	8	1.59
(1,108)	1:34:A:LEU:HD13	1:150:A:ALA:H	8	1.59
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB2	10	1.59
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB3	10	1.59
(1,2210)	1:156:A:VAL:HG11	1:158:A:TYR:H	3	1.58
(1,2210)	1:156:A:VAL:HG12	1:158:A:TYR:H	3	1.58
(1,2210)	1:156:A:VAL:HG13	1:158:A:TYR:H	3	1.58
(1,1178)	1:101:A:VAL:HG11	1:136:A:ARG:H	5	1.58
(1,1178)	1:101:A:VAL:HG12	1:136:A:ARG:H	5	1.58
(1,1178)	1:101:A:VAL:HG13	1:136:A:ARG:H	5	1.58
(1,1178)	1:101:A:VAL:HG11	1:136:A:ARG:H	16	1.58
(1,1178)	1:101:A:VAL:HG12	1:136:A:ARG:H	16	1.58
(1,1178)	1:101:A:VAL:HG13	1:136:A:ARG:H	16	1.58
(1,966)	1:32:A:VAL:HG11	1:54:A:PHE:HA	20	1.58
(1,966)	1:32:A:VAL:HG12	1:54:A:PHE:HA	20	1.58
(1,966)	1:32:A:VAL:HG13	1:54:A:PHE:HA	20	1.58
(1,900)	1:86:A:LEU:HD11	1:101:A:VAL:HB	5	1.58
(1,900)	1:86:A:LEU:HD12	1:101:A:VAL:HB	5	1.58
(1,900)	1:86:A:LEU:HD13	1:101:A:VAL:HB	5	1.58
(1,569)	1:153:A:THR:HB	1:155:A:LYS:HG2	2	1.58
(1,532)	1:17:A:VAL:HG21	1:19:A:ALA:HA	12	1.58
(1,532)	1:17:A:VAL:HG22	1:19:A:ALA:HA	12	1.58
(1,532)	1:17:A:VAL:HG23	1:19:A:ALA:HA	12	1.58
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG21	12	1.57
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG22	12	1.57
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG23	12	1.57
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG21	12	1.57
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG22	12	1.57
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG23	12	1.57
(1,685)	1:101:A:VAL:HG11	1:135:A:ALA:HA	20	1.57
(1,685)	1:101:A:VAL:HG12	1:135:A:ALA:HA	20	1.57
(1,685)	1:101:A:VAL:HG13	1:135:A:ALA:HA	20	1.57
(1,532)	1:17:A:VAL:HG21	1:19:A:ALA:HA	1	1.57
(1,532)	1:17:A:VAL:HG22	1:19:A:ALA:HA	1	1.57
(1,532)	1:17:A:VAL:HG23	1:19:A:ALA:HA	1	1.57
(1,532)	1:17:A:VAL:HG21	1:19:A:ALA:HA	3	1.57
(1,532)	1:17:A:VAL:HG22	1:19:A:ALA:HA	3	1.57
(1,532)	1:17:A:VAL:HG23	1:19:A:ALA:HA	3	1.57
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD2	12	1.57
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD3	12	1.57
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD2	12	1.57
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD3	12	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD2	12	1.57
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD3	12	1.57
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG21	4	1.56
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG22	4	1.56
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG23	4	1.56
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG21	4	1.56
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG22	4	1.56
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG23	4	1.56
(1,901)	1:86:A:LEU:HD21	1:150:A:ALA:H	4	1.56
(1,901)	1:86:A:LEU:HD22	1:150:A:ALA:H	4	1.56
(1,901)	1:86:A:LEU:HD23	1:150:A:ALA:H	4	1.56
(1,900)	1:86:A:LEU:HD11	1:101:A:VAL:HB	12	1.56
(1,900)	1:86:A:LEU:HD12	1:101:A:VAL:HB	12	1.56
(1,900)	1:86:A:LEU:HD13	1:101:A:VAL:HB	12	1.56
(1,735)	1:28:A:VAL:HA	1:30:A:GLN:HG2	7	1.56
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB2	14	1.56
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB3	14	1.56
(1,2210)	1:156:A:VAL:HG11	1:158:A:TYR:H	7	1.55
(1,2210)	1:156:A:VAL:HG12	1:158:A:TYR:H	7	1.55
(1,2210)	1:156:A:VAL:HG13	1:158:A:TYR:H	7	1.55
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB1	18	1.55
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB2	18	1.55
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB3	18	1.55
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB1	18	1.55
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB2	18	1.55
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB3	18	1.55
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB1	18	1.55
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB2	18	1.55
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB3	18	1.55
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB1	20	1.55
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB2	20	1.55
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB3	20	1.55
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB1	20	1.55
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB2	20	1.55
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB3	20	1.55
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB1	20	1.55
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB2	20	1.55
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB3	20	1.55
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG21	16	1.55
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG22	16	1.55
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG23	16	1.55
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG21	16	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG22	16	1.55
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG23	16	1.55
(1,3287)	1:78:A:ILE:HG21	1:102:A:GLN:HG2	16	1.54
(1,3287)	1:78:A:ILE:HG21	1:102:A:GLN:HG3	16	1.54
(1,3287)	1:78:A:ILE:HG22	1:102:A:GLN:HG2	16	1.54
(1,3287)	1:78:A:ILE:HG22	1:102:A:GLN:HG3	16	1.54
(1,3287)	1:78:A:ILE:HG23	1:102:A:GLN:HG2	16	1.54
(1,3287)	1:78:A:ILE:HG23	1:102:A:GLN:HG3	16	1.54
(1,3287)	1:78:A:ILE:HG21	1:102:A:GLN:HG2	20	1.54
(1,3287)	1:78:A:ILE:HG21	1:102:A:GLN:HG3	20	1.54
(1,3287)	1:78:A:ILE:HG22	1:102:A:GLN:HG2	20	1.54
(1,3287)	1:78:A:ILE:HG22	1:102:A:GLN:HG3	20	1.54
(1,3287)	1:78:A:ILE:HG23	1:102:A:GLN:HG2	20	1.54
(1,3287)	1:78:A:ILE:HG23	1:102:A:GLN:HG3	20	1.54
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG11	7	1.54
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG12	7	1.54
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG13	7	1.54
(1,2210)	1:156:A:VAL:HG11	1:158:A:TYR:H	4	1.54
(1,2210)	1:156:A:VAL:HG12	1:158:A:TYR:H	4	1.54
(1,2210)	1:156:A:VAL:HG13	1:158:A:TYR:H	4	1.54
(1,2210)	1:156:A:VAL:HG11	1:158:A:TYR:H	6	1.54
(1,2210)	1:156:A:VAL:HG12	1:158:A:TYR:H	6	1.54
(1,2210)	1:156:A:VAL:HG13	1:158:A:TYR:H	6	1.54
(1,1178)	1:101:A:VAL:HG11	1:136:A:ARG:H	2	1.54
(1,1178)	1:101:A:VAL:HG12	1:136:A:ARG:H	2	1.54
(1,1178)	1:101:A:VAL:HG13	1:136:A:ARG:H	2	1.54
(1,1178)	1:101:A:VAL:HG11	1:136:A:ARG:H	18	1.54
(1,1178)	1:101:A:VAL:HG12	1:136:A:ARG:H	18	1.54
(1,1178)	1:101:A:VAL:HG13	1:136:A:ARG:H	18	1.54
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG21	16	1.54
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG22	16	1.54
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG23	16	1.54
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG21	16	1.54
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG22	16	1.54
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG23	16	1.54
(1,901)	1:86:A:LEU:HD21	1:150:A:ALA:H	18	1.54
(1,901)	1:86:A:LEU:HD22	1:150:A:ALA:H	18	1.54
(1,901)	1:86:A:LEU:HD23	1:150:A:ALA:H	18	1.54
(1,900)	1:86:A:LEU:HD11	1:101:A:VAL:HB	10	1.54
(1,900)	1:86:A:LEU:HD12	1:101:A:VAL:HB	10	1.54
(1,900)	1:86:A:LEU:HD13	1:101:A:VAL:HB	10	1.54
(1,900)	1:86:A:LEU:HD11	1:101:A:VAL:HB	18	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,900)	1:86:A:LEU:HD12	1:101:A:VAL:HB	18	1.54
(1,900)	1:86:A:LEU:HD13	1:101:A:VAL:HB	18	1.54
(1,861)	1:48:A:THR:HG21	1:136:A:ARG:HE	5	1.54
(1,861)	1:48:A:THR:HG22	1:136:A:ARG:HE	5	1.54
(1,861)	1:48:A:THR:HG23	1:136:A:ARG:HE	5	1.54
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG21	7	1.54
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG22	7	1.54
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG23	7	1.54
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG21	7	1.54
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG22	7	1.54
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG23	7	1.54
(1,685)	1:101:A:VAL:HG11	1:135:A:ALA:HA	6	1.54
(1,685)	1:101:A:VAL:HG12	1:135:A:ALA:HA	6	1.54
(1,685)	1:101:A:VAL:HG13	1:135:A:ALA:HA	6	1.54
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG21	8	1.54
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG22	8	1.54
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG23	8	1.54
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG21	12	1.54
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG22	12	1.54
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG23	12	1.54
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD2	3	1.54
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD3	3	1.54
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD2	3	1.54
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD3	3	1.54
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD2	3	1.54
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD3	3	1.54
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB2	12	1.54
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB3	12	1.54
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG11	3	1.53
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG12	3	1.53
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG13	3	1.53
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG11	16	1.53
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG12	16	1.53
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG13	16	1.53
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG21	11	1.53
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG22	11	1.53
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG23	11	1.53
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG21	11	1.53
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG22	11	1.53
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG23	11	1.53
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG21	11	1.53
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG22	11	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG23	11	1.53
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG21	13	1.53
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG22	13	1.53
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG23	13	1.53
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG21	13	1.53
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG22	13	1.53
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG23	13	1.53
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG21	13	1.53
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG22	13	1.53
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG23	13	1.53
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG21	19	1.53
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG22	19	1.53
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG23	19	1.53
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG21	19	1.53
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG22	19	1.53
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG23	19	1.53
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG21	19	1.53
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG22	19	1.53
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG23	19	1.53
(1,2210)	1:156:A:VAL:HG11	1:158:A:TYR:H	13	1.53
(1,2210)	1:156:A:VAL:HG12	1:158:A:TYR:H	13	1.53
(1,2210)	1:156:A:VAL:HG13	1:158:A:TYR:H	13	1.53
(1,1613)	1:14:A:GLY:H	1:154:A:PHE:H	8	1.53
(1,1436)	1:101:A:VAL:HG21	1:150:A:ALA:H	13	1.53
(1,1436)	1:101:A:VAL:HG22	1:150:A:ALA:H	13	1.53
(1,1436)	1:101:A:VAL:HG23	1:150:A:ALA:H	13	1.53
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB1	7	1.53
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB2	7	1.53
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB3	7	1.53
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB1	7	1.53
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB2	7	1.53
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB3	7	1.53
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB1	7	1.53
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB2	7	1.53
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB3	7	1.53
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG21	5	1.53
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG22	5	1.53
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG23	5	1.53
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG21	5	1.53
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG22	5	1.53
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG23	5	1.53
(1,901)	1:86:A:LEU:HD21	1:150:A:ALA:H	15	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,901)	1:86:A:LEU:HD22	1:150:A:ALA:H	15	1.53
(1,901)	1:86:A:LEU:HD23	1:150:A:ALA:H	15	1.53
(1,861)	1:48:A:THR:HG21	1:136:A:ARG:HE	13	1.53
(1,861)	1:48:A:THR:HG22	1:136:A:ARG:HE	13	1.53
(1,861)	1:48:A:THR:HG23	1:136:A:ARG:HE	13	1.53
(1,861)	1:48:A:THR:HG21	1:136:A:ARG:HE	18	1.53
(1,861)	1:48:A:THR:HG22	1:136:A:ARG:HE	18	1.53
(1,861)	1:48:A:THR:HG23	1:136:A:ARG:HE	18	1.53
(1,532)	1:17:A:VAL:HG21	1:19:A:ALA:HA	10	1.53
(1,532)	1:17:A:VAL:HG22	1:19:A:ALA:HA	10	1.53
(1,532)	1:17:A:VAL:HG23	1:19:A:ALA:HA	10	1.53
(1,108)	1:34:A:LEU:HD11	1:150:A:ALA:H	1	1.53
(1,108)	1:34:A:LEU:HD12	1:150:A:ALA:H	1	1.53
(1,108)	1:34:A:LEU:HD13	1:150:A:ALA:H	1	1.53
(1,1178)	1:101:A:VAL:HG11	1:136:A:ARG:H	6	1.52
(1,1178)	1:101:A:VAL:HG12	1:136:A:ARG:H	6	1.52
(1,1178)	1:101:A:VAL:HG13	1:136:A:ARG:H	6	1.52
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG21	6	1.52
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG22	6	1.52
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG23	6	1.52
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG21	6	1.52
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG22	6	1.52
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG23	6	1.52
(1,900)	1:86:A:LEU:HD11	1:101:A:VAL:HB	6	1.52
(1,900)	1:86:A:LEU:HD12	1:101:A:VAL:HB	6	1.52
(1,900)	1:86:A:LEU:HD13	1:101:A:VAL:HB	6	1.52
(1,861)	1:48:A:THR:HG21	1:136:A:ARG:HE	4	1.52
(1,861)	1:48:A:THR:HG22	1:136:A:ARG:HE	4	1.52
(1,861)	1:48:A:THR:HG23	1:136:A:ARG:HE	4	1.52
(1,861)	1:48:A:THR:HG21	1:136:A:ARG:HE	7	1.52
(1,861)	1:48:A:THR:HG22	1:136:A:ARG:HE	7	1.52
(1,861)	1:48:A:THR:HG23	1:136:A:ARG:HE	7	1.52
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG21	5	1.52
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG22	5	1.52
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG23	5	1.52
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG21	5	1.52
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG22	5	1.52
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG23	5	1.52
(1,685)	1:101:A:VAL:HG11	1:135:A:ALA:HA	12	1.52
(1,685)	1:101:A:VAL:HG12	1:135:A:ALA:HA	12	1.52
(1,685)	1:101:A:VAL:HG13	1:135:A:ALA:HA	12	1.52
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG21	9	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG22	9	1.52
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG23	9	1.52
(1,2912)	1:16:A:VAL:HG11	1:156:A:VAL:HB	9	1.51
(1,2912)	1:16:A:VAL:HG12	1:156:A:VAL:HB	9	1.51
(1,2912)	1:16:A:VAL:HG13	1:156:A:VAL:HB	9	1.51
(1,2912)	1:16:A:VAL:HG21	1:156:A:VAL:HB	9	1.51
(1,2912)	1:16:A:VAL:HG22	1:156:A:VAL:HB	9	1.51
(1,2912)	1:16:A:VAL:HG23	1:156:A:VAL:HB	9	1.51
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB1	15	1.51
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB2	15	1.51
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB3	15	1.51
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB1	15	1.51
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB2	15	1.51
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB3	15	1.51
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB1	15	1.51
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB2	15	1.51
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB3	15	1.51
(1,2210)	1:156:A:VAL:HG11	1:158:A:TYR:H	9	1.51
(1,2210)	1:156:A:VAL:HG12	1:158:A:TYR:H	9	1.51
(1,2210)	1:156:A:VAL:HG13	1:158:A:TYR:H	9	1.51
(1,966)	1:32:A:VAL:HG11	1:54:A:PHE:HA	6	1.51
(1,966)	1:32:A:VAL:HG12	1:54:A:PHE:HA	6	1.51
(1,966)	1:32:A:VAL:HG13	1:54:A:PHE:HA	6	1.51
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB1	14	1.51
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB2	14	1.51
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB3	14	1.51
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB1	14	1.51
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB2	14	1.51
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB3	14	1.51
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB1	14	1.51
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB2	14	1.51
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB3	14	1.51
(1,949)	1:14:A:GLY:HA3	1:155:A:LYS:HA	20	1.51
(1,900)	1:86:A:LEU:HD11	1:101:A:VAL:HB	20	1.51
(1,900)	1:86:A:LEU:HD12	1:101:A:VAL:HB	20	1.51
(1,900)	1:86:A:LEU:HD13	1:101:A:VAL:HB	20	1.51
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG11	8	1.5
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG12	8	1.5
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG13	8	1.5
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG11	14	1.5
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG12	14	1.5
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG13	14	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB1	2	1.5
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB2	2	1.5
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB3	2	1.5
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB1	2	1.5
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB2	2	1.5
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB3	2	1.5
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB1	2	1.5
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB2	2	1.5
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB3	2	1.5
(1,2210)	1:156:A:VAL:HG11	1:158:A:TYR:H	15	1.5
(1,2210)	1:156:A:VAL:HG12	1:158:A:TYR:H	15	1.5
(1,2210)	1:156:A:VAL:HG13	1:158:A:TYR:H	15	1.5
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG21	1	1.5
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG22	1	1.5
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG23	1	1.5
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG21	1	1.5
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG22	1	1.5
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG23	1	1.5
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG21	5	1.5
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG22	5	1.5
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG23	5	1.5
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG21	5	1.5
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG22	5	1.5
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG23	5	1.5
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG21	10	1.5
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG22	10	1.5
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG23	10	1.5
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG21	10	1.5
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG22	10	1.5
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG23	10	1.5
(1,861)	1:48:A:THR:HG21	1:136:A:ARG:HE	9	1.5
(1,861)	1:48:A:THR:HG22	1:136:A:ARG:HE	9	1.5
(1,861)	1:48:A:THR:HG23	1:136:A:ARG:HE	9	1.5
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB2	4	1.5
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB3	4	1.5
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB2	17	1.5
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB3	17	1.5
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG11	4	1.49
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG12	4	1.49
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG13	4	1.49
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG21	6	1.49
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG22	6	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG23	6	1.49
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG21	6	1.49
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG22	6	1.49
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG23	6	1.49
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG21	6	1.49
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG22	6	1.49
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG23	6	1.49
(1,1681)	1:32:A:VAL:HG11	1:52:A:VAL:HB	20	1.49
(1,1681)	1:32:A:VAL:HG12	1:52:A:VAL:HB	20	1.49
(1,1681)	1:32:A:VAL:HG13	1:52:A:VAL:HB	20	1.49
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG21	7	1.49
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG22	7	1.49
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG23	7	1.49
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG21	7	1.49
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG22	7	1.49
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG23	7	1.49
(1,905)	1:89:A:GLN:HE21	1:149:A:ASN:HB2	2	1.49
(1,735)	1:28:A:VAL:HA	1:30:A:GLN:HG2	5	1.49
(1,685)	1:101:A:VAL:HG11	1:135:A:ALA:HA	13	1.49
(1,685)	1:101:A:VAL:HG12	1:135:A:ALA:HA	13	1.49
(1,685)	1:101:A:VAL:HG13	1:135:A:ALA:HA	13	1.49
(1,419)	1:56:A:ILE:H	1:133:A:PHE:HB3	1	1.49
(1,108)	1:34:A:LEU:HD11	1:150:A:ALA:H	2	1.49
(1,108)	1:34:A:LEU:HD12	1:150:A:ALA:H	2	1.49
(1,108)	1:34:A:LEU:HD13	1:150:A:ALA:H	2	1.49
(1,108)	1:34:A:LEU:HD11	1:150:A:ALA:H	9	1.49
(1,108)	1:34:A:LEU:HD12	1:150:A:ALA:H	9	1.49
(1,108)	1:34:A:LEU:HD13	1:150:A:ALA:H	9	1.49
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB2	1	1.49
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB3	1	1.49
(1,1178)	1:101:A:VAL:HG11	1:136:A:ARG:H	17	1.48
(1,1178)	1:101:A:VAL:HG12	1:136:A:ARG:H	17	1.48
(1,1178)	1:101:A:VAL:HG13	1:136:A:ARG:H	17	1.48
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG21	18	1.48
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG22	18	1.48
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG23	18	1.48
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG21	18	1.48
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG22	18	1.48
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG23	18	1.48
(1,966)	1:32:A:VAL:HG11	1:54:A:PHE:HA	17	1.48
(1,966)	1:32:A:VAL:HG12	1:54:A:PHE:HA	17	1.48
(1,966)	1:32:A:VAL:HG13	1:54:A:PHE:HA	17	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG21	6	1.48
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG22	6	1.48
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG23	6	1.48
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG21	6	1.48
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG22	6	1.48
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG23	6	1.48
(1,901)	1:86:A:LEU:HD21	1:150:A:ALA:H	13	1.48
(1,901)	1:86:A:LEU:HD22	1:150:A:ALA:H	13	1.48
(1,901)	1:86:A:LEU:HD23	1:150:A:ALA:H	13	1.48
(1,900)	1:86:A:LEU:HD11	1:101:A:VAL:HB	3	1.48
(1,900)	1:86:A:LEU:HD12	1:101:A:VAL:HB	3	1.48
(1,900)	1:86:A:LEU:HD13	1:101:A:VAL:HB	3	1.48
(1,838)	1:19:A:ALA:HB1	1:158:A:TYR:H	14	1.48
(1,838)	1:19:A:ALA:HB2	1:158:A:TYR:H	14	1.48
(1,838)	1:19:A:ALA:HB3	1:158:A:TYR:H	14	1.48
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG21	20	1.48
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG22	20	1.48
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG23	20	1.48
(1,2044)	1:10:A:VAL:HB	1:32:A:VAL:HB	7	1.47
(1,1178)	1:101:A:VAL:HG11	1:136:A:ARG:H	3	1.47
(1,1178)	1:101:A:VAL:HG12	1:136:A:ARG:H	3	1.47
(1,1178)	1:101:A:VAL:HG13	1:136:A:ARG:H	3	1.47
(1,966)	1:32:A:VAL:HG11	1:54:A:PHE:HA	2	1.47
(1,966)	1:32:A:VAL:HG12	1:54:A:PHE:HA	2	1.47
(1,966)	1:32:A:VAL:HG13	1:54:A:PHE:HA	2	1.47
(1,532)	1:17:A:VAL:HG21	1:19:A:ALA:HA	4	1.47
(1,532)	1:17:A:VAL:HG22	1:19:A:ALA:HA	4	1.47
(1,532)	1:17:A:VAL:HG23	1:19:A:ALA:HA	4	1.47
(1,2912)	1:16:A:VAL:HG11	1:156:A:VAL:HB	12	1.46
(1,2912)	1:16:A:VAL:HG12	1:156:A:VAL:HB	12	1.46
(1,2912)	1:16:A:VAL:HG13	1:156:A:VAL:HB	12	1.46
(1,2912)	1:16:A:VAL:HG21	1:156:A:VAL:HB	12	1.46
(1,2912)	1:16:A:VAL:HG22	1:156:A:VAL:HB	12	1.46
(1,2912)	1:16:A:VAL:HG23	1:156:A:VAL:HB	12	1.46
(1,2210)	1:156:A:VAL:HG11	1:158:A:TYR:H	8	1.46
(1,2210)	1:156:A:VAL:HG12	1:158:A:TYR:H	8	1.46
(1,2210)	1:156:A:VAL:HG13	1:158:A:TYR:H	8	1.46
(1,1640)	1:18:A:ASN:HD21	1:19:A:ALA:H	5	1.46
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG21	8	1.46
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG22	8	1.46
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG23	8	1.46
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG21	10	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG22	10	1.46
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG23	10	1.46
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG21	10	1.46
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG22	10	1.46
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG23	10	1.46
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG21	11	1.46
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG22	11	1.46
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG23	11	1.46
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG21	11	1.46
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG22	11	1.46
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG23	11	1.46
(1,949)	1:14:A:GLY:HA3	1:155:A:LYS:HA	13	1.46
(1,861)	1:48:A:THR:HG21	1:136:A:ARG:HE	16	1.46
(1,861)	1:48:A:THR:HG22	1:136:A:ARG:HE	16	1.46
(1,861)	1:48:A:THR:HG23	1:136:A:ARG:HE	16	1.46
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG21	7	1.46
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG22	7	1.46
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG23	7	1.46
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG21	16	1.46
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG22	16	1.46
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG23	16	1.46
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB2	2	1.46
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB3	2	1.46
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB2	8	1.46
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB3	8	1.46
(1,2912)	1:16:A:VAL:HG11	1:156:A:VAL:HB	20	1.45
(1,2912)	1:16:A:VAL:HG12	1:156:A:VAL:HB	20	1.45
(1,2912)	1:16:A:VAL:HG13	1:156:A:VAL:HB	20	1.45
(1,2912)	1:16:A:VAL:HG21	1:156:A:VAL:HB	20	1.45
(1,2912)	1:16:A:VAL:HG22	1:156:A:VAL:HB	20	1.45
(1,2912)	1:16:A:VAL:HG23	1:156:A:VAL:HB	20	1.45
(1,2210)	1:156:A:VAL:HG11	1:158:A:TYR:H	1	1.45
(1,2210)	1:156:A:VAL:HG12	1:158:A:TYR:H	1	1.45
(1,2210)	1:156:A:VAL:HG13	1:158:A:TYR:H	1	1.45
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG21	1	1.45
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG22	1	1.45
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG23	1	1.45
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG21	3	1.45
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG22	3	1.45
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG23	3	1.45
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG21	6	1.45
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG22	6	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG23	6	1.45
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG21	11	1.45
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG22	11	1.45
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG23	11	1.45
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG21	17	1.45
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG22	17	1.45
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG23	17	1.45
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG21	18	1.45
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG22	18	1.45
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG23	18	1.45
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG21	20	1.45
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG22	20	1.45
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG23	20	1.45
(1,1178)	1:101:A:VAL:HG11	1:136:A:ARG:H	1	1.45
(1,1178)	1:101:A:VAL:HG12	1:136:A:ARG:H	1	1.45
(1,1178)	1:101:A:VAL:HG13	1:136:A:ARG:H	1	1.45
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG21	13	1.45
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG22	13	1.45
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG23	13	1.45
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG21	13	1.45
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG22	13	1.45
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG23	13	1.45
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB1	16	1.45
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB2	16	1.45
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB3	16	1.45
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB1	16	1.45
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB2	16	1.45
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB3	16	1.45
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB1	16	1.45
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB2	16	1.45
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB3	16	1.45
(1,861)	1:48:A:THR:HG21	1:136:A:ARG:HE	20	1.45
(1,861)	1:48:A:THR:HG22	1:136:A:ARG:HE	20	1.45
(1,861)	1:48:A:THR:HG23	1:136:A:ARG:HE	20	1.45
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG21	14	1.45
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG22	14	1.45
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG23	14	1.45
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG21	14	1.45
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG22	14	1.45
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG23	14	1.45
(1,685)	1:101:A:VAL:HG11	1:135:A:ALA:HA	16	1.45
(1,685)	1:101:A:VAL:HG12	1:135:A:ALA:HA	16	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,685)	1:101:A:VAL:HG13	1:135:A:ALA:HA	16	1.45
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD2	9	1.45
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD3	9	1.45
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD2	9	1.45
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD3	9	1.45
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD2	9	1.45
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD3	9	1.45
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB2	19	1.45
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB3	19	1.45
(1,3232)	1:68:A:LYS:HB2	1:159:A:GLN:H	16	1.44
(1,3232)	1:68:A:LYS:HB3	1:159:A:GLN:H	16	1.44
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG21	7	1.44
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG22	7	1.44
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG23	7	1.44
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG21	7	1.44
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG22	7	1.44
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG23	7	1.44
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG21	7	1.44
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG22	7	1.44
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG23	7	1.44
(1,1681)	1:32:A:VAL:HG11	1:52:A:VAL:HB	6	1.44
(1,1681)	1:32:A:VAL:HG12	1:52:A:VAL:HB	6	1.44
(1,1681)	1:32:A:VAL:HG13	1:52:A:VAL:HB	6	1.44
(1,1640)	1:18:A:ASN:HD21	1:19:A:ALA:H	13	1.44
(1,1613)	1:14:A:GLY:H	1:154:A:PHE:H	18	1.44
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG21	2	1.44
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG22	2	1.44
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG23	2	1.44
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG21	12	1.44
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG22	12	1.44
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG23	12	1.44
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG21	13	1.44
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG22	13	1.44
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG23	13	1.44
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG21	14	1.44
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG22	14	1.44
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG23	14	1.44
(1,1178)	1:101:A:VAL:HG11	1:136:A:ARG:H	14	1.44
(1,1178)	1:101:A:VAL:HG12	1:136:A:ARG:H	14	1.44
(1,1178)	1:101:A:VAL:HG13	1:136:A:ARG:H	14	1.44
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG21	17	1.44
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG22	17	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG23	17	1.44
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG21	17	1.44
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG22	17	1.44
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG23	17	1.44
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG21	18	1.44
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG22	18	1.44
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG23	18	1.44
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG21	18	1.44
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG22	18	1.44
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG23	18	1.44
(1,901)	1:86:A:LEU:HD21	1:150:A:ALA:H	9	1.44
(1,901)	1:86:A:LEU:HD22	1:150:A:ALA:H	9	1.44
(1,901)	1:86:A:LEU:HD23	1:150:A:ALA:H	9	1.44
(1,266)	1:12:A:PHE:HA	1:14:A:GLY:H	1	1.44
(1,266)	1:12:A:PHE:HA	1:14:A:GLY:H	4	1.44
(1,108)	1:34:A:LEU:HD11	1:150:A:ALA:H	17	1.44
(1,108)	1:34:A:LEU:HD12	1:150:A:ALA:H	17	1.44
(1,108)	1:34:A:LEU:HD13	1:150:A:ALA:H	17	1.44
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG21	20	1.44
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG22	20	1.44
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG23	20	1.44
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG11	20	1.43
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG12	20	1.43
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG13	20	1.43
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB1	4	1.43
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB2	4	1.43
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB3	4	1.43
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB1	4	1.43
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB2	4	1.43
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB3	4	1.43
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB1	4	1.43
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB2	4	1.43
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB3	4	1.43
(1,1681)	1:32:A:VAL:HG11	1:52:A:VAL:HB	8	1.43
(1,1681)	1:32:A:VAL:HG12	1:52:A:VAL:HB	8	1.43
(1,1681)	1:32:A:VAL:HG13	1:52:A:VAL:HB	8	1.43
(1,1640)	1:18:A:ASN:HD21	1:19:A:ALA:H	11	1.43
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG21	4	1.43
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG22	4	1.43
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG23	4	1.43
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG21	9	1.43
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG22	9	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG23	9	1.43
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG21	19	1.43
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG22	19	1.43
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG23	19	1.43
(1,1080)	1:23:A:VAL:H	1:58:A:LEU:HB2	8	1.43
(1,1080)	1:23:A:VAL:H	1:58:A:LEU:HB2	16	1.43
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB1	1	1.43
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB2	1	1.43
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB3	1	1.43
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB1	1	1.43
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB2	1	1.43
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB3	1	1.43
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB1	1	1.43
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB2	1	1.43
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB3	1	1.43
(1,577)	1:20:A:ALA:HB1	1:124:A:LEU:HB2	9	1.43
(1,577)	1:20:A:ALA:HB2	1:124:A:LEU:HB2	9	1.43
(1,577)	1:20:A:ALA:HB3	1:124:A:LEU:HB2	9	1.43
(1,266)	1:12:A:PHE:HA	1:14:A:GLY:H	3	1.43
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG21	17	1.43
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG22	17	1.43
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG23	17	1.43
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB2	16	1.43
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB3	16	1.43
(1,8)	1:13:A:LYS:HD2	1:153:A:THR:HG21	12	1.43
(1,8)	1:13:A:LYS:HD2	1:153:A:THR:HG22	12	1.43
(1,8)	1:13:A:LYS:HD2	1:153:A:THR:HG23	12	1.43
(1,2912)	1:16:A:VAL:HG11	1:156:A:VAL:HB	8	1.42
(1,2912)	1:16:A:VAL:HG12	1:156:A:VAL:HB	8	1.42
(1,2912)	1:16:A:VAL:HG13	1:156:A:VAL:HB	8	1.42
(1,2912)	1:16:A:VAL:HG21	1:156:A:VAL:HB	8	1.42
(1,2912)	1:16:A:VAL:HG22	1:156:A:VAL:HB	8	1.42
(1,2912)	1:16:A:VAL:HG23	1:156:A:VAL:HB	8	1.42
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG11	17	1.42
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG12	17	1.42
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG13	17	1.42
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG21	7	1.42
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG22	7	1.42
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG23	7	1.42
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG21	10	1.42
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG22	10	1.42
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG23	10	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1178)	1:101:A:VAL:HG11	1:136:A:ARG:H	8	1.42
(1,1178)	1:101:A:VAL:HG12	1:136:A:ARG:H	8	1.42
(1,1178)	1:101:A:VAL:HG13	1:136:A:ARG:H	8	1.42
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG21	19	1.42
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG22	19	1.42
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG23	19	1.42
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG21	19	1.42
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG22	19	1.42
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG23	19	1.42
(1,966)	1:32:A:VAL:HG11	1:54:A:PHE:HA	9	1.42
(1,966)	1:32:A:VAL:HG12	1:54:A:PHE:HA	9	1.42
(1,966)	1:32:A:VAL:HG13	1:54:A:PHE:HA	9	1.42
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG21	2	1.42
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG22	2	1.42
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG23	2	1.42
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG21	2	1.42
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG22	2	1.42
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG23	2	1.42
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB1	14	1.42
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB2	14	1.42
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB3	14	1.42
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB1	14	1.42
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB2	14	1.42
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB3	14	1.42
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB1	14	1.42
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB2	14	1.42
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB3	14	1.42
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG11	9	1.41
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG12	9	1.41
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG13	9	1.41
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG11	10	1.41
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG12	10	1.41
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG13	10	1.41
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG11	13	1.41
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG12	13	1.41
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG13	13	1.41
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG11	18	1.41
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG12	18	1.41
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG13	18	1.41
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB1	19	1.41
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB2	19	1.41
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB3	19	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB1	19	1.41
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB2	19	1.41
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB3	19	1.41
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB1	19	1.41
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB2	19	1.41
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB3	19	1.41
(1,1436)	1:101:A:VAL:HG21	1:150:A:ALA:H	16	1.41
(1,1436)	1:101:A:VAL:HG22	1:150:A:ALA:H	16	1.41
(1,1436)	1:101:A:VAL:HG23	1:150:A:ALA:H	16	1.41
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG21	16	1.41
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG22	16	1.41
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG23	16	1.41
(1,685)	1:101:A:VAL:HG11	1:135:A:ALA:HA	2	1.41
(1,685)	1:101:A:VAL:HG12	1:135:A:ALA:HA	2	1.41
(1,685)	1:101:A:VAL:HG13	1:135:A:ALA:HA	2	1.41
(1,532)	1:17:A:VAL:HG21	1:19:A:ALA:HA	11	1.41
(1,532)	1:17:A:VAL:HG22	1:19:A:ALA:HA	11	1.41
(1,532)	1:17:A:VAL:HG23	1:19:A:ALA:HA	11	1.41
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG21	8	1.41
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG22	8	1.41
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG23	8	1.41
(1,2912)	1:16:A:VAL:HG11	1:156:A:VAL:HB	19	1.4
(1,2912)	1:16:A:VAL:HG12	1:156:A:VAL:HB	19	1.4
(1,2912)	1:16:A:VAL:HG13	1:156:A:VAL:HB	19	1.4
(1,2912)	1:16:A:VAL:HG21	1:156:A:VAL:HB	19	1.4
(1,2912)	1:16:A:VAL:HG22	1:156:A:VAL:HB	19	1.4
(1,2912)	1:16:A:VAL:HG23	1:156:A:VAL:HB	19	1.4
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB1	14	1.4
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB2	14	1.4
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB3	14	1.4
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB1	14	1.4
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB2	14	1.4
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB3	14	1.4
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB1	14	1.4
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB2	14	1.4
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB3	14	1.4
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG11	9	1.4
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG12	9	1.4
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG13	9	1.4
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG21	5	1.4
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG22	5	1.4
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG23	5	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1080)	1:23:A:VAL:H	1:58:A:LEU:HB2	15	1.4
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB1	6	1.4
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB2	6	1.4
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB3	6	1.4
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB1	6	1.4
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB2	6	1.4
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB3	6	1.4
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB1	6	1.4
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB2	6	1.4
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB3	6	1.4
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB1	13	1.4
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB2	13	1.4
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB3	13	1.4
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB1	13	1.4
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB2	13	1.4
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB3	13	1.4
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB1	13	1.4
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB2	13	1.4
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB3	13	1.4
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG21	20	1.4
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG22	20	1.4
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG23	20	1.4
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG21	20	1.4
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG22	20	1.4
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG23	20	1.4
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB2	13	1.4
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB3	13	1.4
(1,2912)	1:16:A:VAL:HG11	1:156:A:VAL:HB	17	1.39
(1,2912)	1:16:A:VAL:HG12	1:156:A:VAL:HB	17	1.39
(1,2912)	1:16:A:VAL:HG13	1:156:A:VAL:HB	17	1.39
(1,2912)	1:16:A:VAL:HG21	1:156:A:VAL:HB	17	1.39
(1,2912)	1:16:A:VAL:HG22	1:156:A:VAL:HB	17	1.39
(1,2912)	1:16:A:VAL:HG23	1:156:A:VAL:HB	17	1.39
(1,1441)	1:102:A:GLN:HB3	1:136:A:ARG:HE	6	1.39
(1,900)	1:86:A:LEU:HD11	1:101:A:VAL:HB	1	1.39
(1,900)	1:86:A:LEU:HD12	1:101:A:VAL:HB	1	1.39
(1,900)	1:86:A:LEU:HD13	1:101:A:VAL:HB	1	1.39
(1,735)	1:28:A:VAL:HA	1:30:A:GLN:HG2	16	1.39
(1,685)	1:101:A:VAL:HG11	1:135:A:ALA:HA	5	1.39
(1,685)	1:101:A:VAL:HG12	1:135:A:ALA:HA	5	1.39
(1,685)	1:101:A:VAL:HG13	1:135:A:ALA:HA	5	1.39
(1,532)	1:17:A:VAL:HG21	1:19:A:ALA:HA	5	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,532)	1:17:A:VAL:HG22	1:19:A:ALA:HA	5	1.39
(1,532)	1:17:A:VAL:HG23	1:19:A:ALA:HA	5	1.39
(1,532)	1:17:A:VAL:HG21	1:19:A:ALA:HA	19	1.39
(1,532)	1:17:A:VAL:HG22	1:19:A:ALA:HA	19	1.39
(1,532)	1:17:A:VAL:HG23	1:19:A:ALA:HA	19	1.39
(1,2854)	1:10:A:VAL:HG11	1:32:A:VAL:HB	9	1.38
(1,2854)	1:10:A:VAL:HG12	1:32:A:VAL:HB	9	1.38
(1,2854)	1:10:A:VAL:HG13	1:32:A:VAL:HB	9	1.38
(1,2854)	1:10:A:VAL:HG21	1:32:A:VAL:HB	9	1.38
(1,2854)	1:10:A:VAL:HG22	1:32:A:VAL:HB	9	1.38
(1,2854)	1:10:A:VAL:HG23	1:32:A:VAL:HB	9	1.38
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB1	7	1.38
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB2	7	1.38
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB3	7	1.38
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB1	7	1.38
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB2	7	1.38
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB3	7	1.38
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB1	7	1.38
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB2	7	1.38
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB3	7	1.38
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB1	13	1.38
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB2	13	1.38
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB3	13	1.38
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB1	13	1.38
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB2	13	1.38
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB3	13	1.38
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB1	13	1.38
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB2	13	1.38
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB3	13	1.38
(1,2210)	1:156:A:VAL:HG11	1:158:A:TYR:H	20	1.38
(1,2210)	1:156:A:VAL:HG12	1:158:A:TYR:H	20	1.38
(1,2210)	1:156:A:VAL:HG13	1:158:A:TYR:H	20	1.38
(1,1681)	1:32:A:VAL:HG11	1:52:A:VAL:HB	15	1.38
(1,1681)	1:32:A:VAL:HG12	1:52:A:VAL:HB	15	1.38
(1,1681)	1:32:A:VAL:HG13	1:52:A:VAL:HB	15	1.38
(1,1613)	1:14:A:GLY:H	1:154:A:PHE:H	12	1.38
(1,1613)	1:14:A:GLY:H	1:154:A:PHE:H	13	1.38
(1,966)	1:32:A:VAL:HG11	1:54:A:PHE:HA	11	1.38
(1,966)	1:32:A:VAL:HG12	1:54:A:PHE:HA	11	1.38
(1,966)	1:32:A:VAL:HG13	1:54:A:PHE:HA	11	1.38
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG21	5	1.38
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG22	5	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG23	5	1.38
(1,685)	1:101:A:VAL:HG11	1:135:A:ALA:HA	4	1.38
(1,685)	1:101:A:VAL:HG12	1:135:A:ALA:HA	4	1.38
(1,685)	1:101:A:VAL:HG13	1:135:A:ALA:HA	4	1.38
(1,685)	1:101:A:VAL:HG11	1:135:A:ALA:HA	10	1.38
(1,685)	1:101:A:VAL:HG12	1:135:A:ALA:HA	10	1.38
(1,685)	1:101:A:VAL:HG13	1:135:A:ALA:HA	10	1.38
(1,685)	1:101:A:VAL:HG11	1:135:A:ALA:HA	15	1.38
(1,685)	1:101:A:VAL:HG12	1:135:A:ALA:HA	15	1.38
(1,685)	1:101:A:VAL:HG13	1:135:A:ALA:HA	15	1.38
(1,3287)	1:78:A:ILE:HG21	1:102:A:GLN:HG2	6	1.37
(1,3287)	1:78:A:ILE:HG21	1:102:A:GLN:HG3	6	1.37
(1,3287)	1:78:A:ILE:HG22	1:102:A:GLN:HG2	6	1.37
(1,3287)	1:78:A:ILE:HG22	1:102:A:GLN:HG3	6	1.37
(1,3287)	1:78:A:ILE:HG23	1:102:A:GLN:HG2	6	1.37
(1,3287)	1:78:A:ILE:HG23	1:102:A:GLN:HG3	6	1.37
(1,2912)	1:16:A:VAL:HG11	1:156:A:VAL:HB	15	1.37
(1,2912)	1:16:A:VAL:HG12	1:156:A:VAL:HB	15	1.37
(1,2912)	1:16:A:VAL:HG13	1:156:A:VAL:HB	15	1.37
(1,2912)	1:16:A:VAL:HG21	1:156:A:VAL:HB	15	1.37
(1,2912)	1:16:A:VAL:HG22	1:156:A:VAL:HB	15	1.37
(1,2912)	1:16:A:VAL:HG23	1:156:A:VAL:HB	15	1.37
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB1	17	1.37
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB2	17	1.37
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB3	17	1.37
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB1	17	1.37
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB2	17	1.37
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB3	17	1.37
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB1	17	1.37
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB2	17	1.37
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB3	17	1.37
(1,2210)	1:156:A:VAL:HG11	1:158:A:TYR:H	14	1.37
(1,2210)	1:156:A:VAL:HG12	1:158:A:TYR:H	14	1.37
(1,2210)	1:156:A:VAL:HG13	1:158:A:TYR:H	14	1.37
(1,1681)	1:32:A:VAL:HG11	1:52:A:VAL:HB	16	1.37
(1,1681)	1:32:A:VAL:HG12	1:52:A:VAL:HB	16	1.37
(1,1681)	1:32:A:VAL:HG13	1:52:A:VAL:HB	16	1.37
(1,1640)	1:18:A:ASN:HD21	1:19:A:ALA:H	14	1.37
(1,1613)	1:14:A:GLY:H	1:154:A:PHE:H	20	1.37
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG21	15	1.37
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG22	15	1.37
(1,1287)	1:31:A:THR:HA	1:32:A:VAL:HG23	15	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG21	3	1.37
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG22	3	1.37
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG23	3	1.37
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG21	3	1.37
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG22	3	1.37
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG23	3	1.37
(1,966)	1:32:A:VAL:HG11	1:54:A:PHE:HA	4	1.37
(1,966)	1:32:A:VAL:HG12	1:54:A:PHE:HA	4	1.37
(1,966)	1:32:A:VAL:HG13	1:54:A:PHE:HA	4	1.37
(1,901)	1:86:A:LEU:HD21	1:150:A:ALA:H	16	1.37
(1,901)	1:86:A:LEU:HD22	1:150:A:ALA:H	16	1.37
(1,901)	1:86:A:LEU:HD23	1:150:A:ALA:H	16	1.37
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG21	3	1.37
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG22	3	1.37
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG23	3	1.37
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG21	4	1.37
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG22	4	1.37
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG23	4	1.37
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG21	15	1.37
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG22	15	1.37
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG23	15	1.37
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG21	19	1.37
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG22	19	1.37
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG23	19	1.37
(1,685)	1:101:A:VAL:HG11	1:135:A:ALA:HA	9	1.37
(1,685)	1:101:A:VAL:HG12	1:135:A:ALA:HA	9	1.37
(1,685)	1:101:A:VAL:HG13	1:135:A:ALA:HA	9	1.37
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG21	19	1.37
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG22	19	1.37
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG23	19	1.37
(1,217)	1:3:A:THR:HB	1:145:A:PRO:HB2	1	1.37
(1,3287)	1:78:A:ILE:HG21	1:102:A:GLN:HG2	8	1.36
(1,3287)	1:78:A:ILE:HG21	1:102:A:GLN:HG3	8	1.36
(1,3287)	1:78:A:ILE:HG22	1:102:A:GLN:HG2	8	1.36
(1,3287)	1:78:A:ILE:HG22	1:102:A:GLN:HG3	8	1.36
(1,3287)	1:78:A:ILE:HG23	1:102:A:GLN:HG2	8	1.36
(1,3287)	1:78:A:ILE:HG23	1:102:A:GLN:HG3	8	1.36
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG11	10	1.36
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG12	10	1.36
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG13	10	1.36
(1,1408)	1:8:A:GLY:HA2	1:34:A:LEU:HB3	20	1.36
(1,1080)	1:23:A:VAL:H	1:58:A:LEU:HB2	5	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB1	10	1.36
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB2	10	1.36
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB3	10	1.36
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB1	10	1.36
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB2	10	1.36
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB3	10	1.36
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB1	10	1.36
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB2	10	1.36
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB3	10	1.36
(1,838)	1:19:A:ALA:HB1	1:158:A:TYR:H	17	1.36
(1,838)	1:19:A:ALA:HB2	1:158:A:TYR:H	17	1.36
(1,838)	1:19:A:ALA:HB3	1:158:A:TYR:H	17	1.36
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG21	6	1.36
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG22	6	1.36
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG23	6	1.36
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG21	11	1.36
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG22	11	1.36
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG23	11	1.36
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG21	14	1.36
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG22	14	1.36
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG23	14	1.36
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG21	16	1.36
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG22	16	1.36
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG23	16	1.36
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG21	20	1.36
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG22	20	1.36
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG23	20	1.36
(1,685)	1:101:A:VAL:HG11	1:135:A:ALA:HA	19	1.36
(1,685)	1:101:A:VAL:HG12	1:135:A:ALA:HA	19	1.36
(1,685)	1:101:A:VAL:HG13	1:135:A:ALA:HA	19	1.36
(1,266)	1:12:A:PHE:HA	1:14:A:GLY:H	6	1.36
(1,266)	1:12:A:PHE:HA	1:14:A:GLY:H	14	1.36
(1,266)	1:12:A:PHE:HA	1:14:A:GLY:H	18	1.36
(1,3287)	1:78:A:ILE:HG21	1:102:A:GLN:HG2	3	1.35
(1,3287)	1:78:A:ILE:HG21	1:102:A:GLN:HG3	3	1.35
(1,3287)	1:78:A:ILE:HG22	1:102:A:GLN:HG2	3	1.35
(1,3287)	1:78:A:ILE:HG22	1:102:A:GLN:HG3	3	1.35
(1,3287)	1:78:A:ILE:HG23	1:102:A:GLN:HG2	3	1.35
(1,3287)	1:78:A:ILE:HG23	1:102:A:GLN:HG3	3	1.35
(1,2912)	1:16:A:VAL:HG11	1:156:A:VAL:HB	16	1.35
(1,2912)	1:16:A:VAL:HG12	1:156:A:VAL:HB	16	1.35
(1,2912)	1:16:A:VAL:HG13	1:156:A:VAL:HB	16	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2912)	1:16:A:VAL:HG21	1:156:A:VAL:HB	16	1.35
(1,2912)	1:16:A:VAL:HG22	1:156:A:VAL:HB	16	1.35
(1,2912)	1:16:A:VAL:HG23	1:156:A:VAL:HB	16	1.35
(1,2854)	1:10:A:VAL:HG11	1:32:A:VAL:HB	12	1.35
(1,2854)	1:10:A:VAL:HG12	1:32:A:VAL:HB	12	1.35
(1,2854)	1:10:A:VAL:HG13	1:32:A:VAL:HB	12	1.35
(1,2854)	1:10:A:VAL:HG21	1:32:A:VAL:HB	12	1.35
(1,2854)	1:10:A:VAL:HG22	1:32:A:VAL:HB	12	1.35
(1,2854)	1:10:A:VAL:HG23	1:32:A:VAL:HB	12	1.35
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG11	5	1.35
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG12	5	1.35
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG13	5	1.35
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG11	19	1.35
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG12	19	1.35
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG13	19	1.35
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB1	20	1.35
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB2	20	1.35
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB3	20	1.35
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB1	20	1.35
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB2	20	1.35
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB3	20	1.35
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB1	20	1.35
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB2	20	1.35
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB3	20	1.35
(1,2210)	1:156:A:VAL:HG11	1:158:A:TYR:H	16	1.35
(1,2210)	1:156:A:VAL:HG12	1:158:A:TYR:H	16	1.35
(1,2210)	1:156:A:VAL:HG13	1:158:A:TYR:H	16	1.35
(1,1408)	1:8:A:GLY:HA2	1:34:A:LEU:HB3	4	1.35
(1,1080)	1:23:A:VAL:H	1:58:A:LEU:HB2	9	1.35
(1,1080)	1:23:A:VAL:H	1:58:A:LEU:HB2	14	1.35
(1,1080)	1:23:A:VAL:H	1:58:A:LEU:HB2	18	1.35
(1,901)	1:86:A:LEU:HD21	1:150:A:ALA:H	1	1.35
(1,901)	1:86:A:LEU:HD22	1:150:A:ALA:H	1	1.35
(1,901)	1:86:A:LEU:HD23	1:150:A:ALA:H	1	1.35
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG21	2	1.35
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG22	2	1.35
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG23	2	1.35
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG21	7	1.35
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG22	7	1.35
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG23	7	1.35
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG21	8	1.35
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG22	8	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG23	8	1.35
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG21	9	1.35
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG22	9	1.35
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG23	9	1.35
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG21	12	1.35
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG22	12	1.35
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG23	12	1.35
(1,266)	1:12:A:PHE:HA	1:14:A:GLY:H	9	1.35
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB2	3	1.35
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB3	3	1.35
(1,2912)	1:16:A:VAL:HG11	1:156:A:VAL:HB	13	1.34
(1,2912)	1:16:A:VAL:HG12	1:156:A:VAL:HB	13	1.34
(1,2912)	1:16:A:VAL:HG13	1:156:A:VAL:HB	13	1.34
(1,2912)	1:16:A:VAL:HG21	1:156:A:VAL:HB	13	1.34
(1,2912)	1:16:A:VAL:HG22	1:156:A:VAL:HB	13	1.34
(1,2912)	1:16:A:VAL:HG23	1:156:A:VAL:HB	13	1.34
(1,2912)	1:16:A:VAL:HG11	1:156:A:VAL:HB	14	1.34
(1,2912)	1:16:A:VAL:HG12	1:156:A:VAL:HB	14	1.34
(1,2912)	1:16:A:VAL:HG13	1:156:A:VAL:HB	14	1.34
(1,2912)	1:16:A:VAL:HG21	1:156:A:VAL:HB	14	1.34
(1,2912)	1:16:A:VAL:HG22	1:156:A:VAL:HB	14	1.34
(1,2912)	1:16:A:VAL:HG23	1:156:A:VAL:HB	14	1.34
(1,2912)	1:16:A:VAL:HG11	1:156:A:VAL:HB	18	1.34
(1,2912)	1:16:A:VAL:HG12	1:156:A:VAL:HB	18	1.34
(1,2912)	1:16:A:VAL:HG13	1:156:A:VAL:HB	18	1.34
(1,2912)	1:16:A:VAL:HG21	1:156:A:VAL:HB	18	1.34
(1,2912)	1:16:A:VAL:HG22	1:156:A:VAL:HB	18	1.34
(1,2912)	1:16:A:VAL:HG23	1:156:A:VAL:HB	18	1.34
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB1	1	1.34
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB2	1	1.34
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB3	1	1.34
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB1	1	1.34
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB2	1	1.34
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB3	1	1.34
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB1	1	1.34
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB2	1	1.34
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB3	1	1.34
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG11	13	1.34
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG12	13	1.34
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG13	13	1.34
(1,1080)	1:23:A:VAL:H	1:58:A:LEU:HB2	13	1.34
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG21	10	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG22	10	1.34
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG23	10	1.34
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG21	13	1.34
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG22	13	1.34
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG23	13	1.34
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG21	17	1.34
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG22	17	1.34
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG23	17	1.34
(1,266)	1:12:A:PHE:HA	1:14:A:GLY:H	15	1.34
(1,266)	1:12:A:PHE:HA	1:14:A:GLY:H	20	1.34
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB2	18	1.34
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB3	18	1.34
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB2	20	1.34
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB3	20	1.34
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB1	13	1.33
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB2	13	1.33
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB3	13	1.33
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG11	19	1.33
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG12	19	1.33
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG13	19	1.33
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG21	16	1.33
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG22	16	1.33
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG23	16	1.33
(1,1080)	1:23:A:VAL:H	1:58:A:LEU:HB2	2	1.33
(1,1080)	1:23:A:VAL:H	1:58:A:LEU:HB2	7	1.33
(1,966)	1:32:A:VAL:HG11	1:54:A:PHE:HA	19	1.33
(1,966)	1:32:A:VAL:HG12	1:54:A:PHE:HA	19	1.33
(1,966)	1:32:A:VAL:HG13	1:54:A:PHE:HA	19	1.33
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB1	3	1.33
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB2	3	1.33
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB3	3	1.33
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB1	3	1.33
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB2	3	1.33
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB3	3	1.33
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB1	3	1.33
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB2	3	1.33
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB3	3	1.33
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB1	12	1.33
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB2	12	1.33
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB3	12	1.33
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB1	12	1.33
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB2	12	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB3	12	1.33
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB1	12	1.33
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB2	12	1.33
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB3	12	1.33
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG21	1	1.33
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG22	1	1.33
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG23	1	1.33
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG21	18	1.33
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG22	18	1.33
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG23	18	1.33
(1,685)	1:101:A:VAL:HG11	1:135:A:ALA:HA	8	1.33
(1,685)	1:101:A:VAL:HG12	1:135:A:ALA:HA	8	1.33
(1,685)	1:101:A:VAL:HG13	1:135:A:ALA:HA	8	1.33
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG21	5	1.33
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG22	5	1.33
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG23	5	1.33
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG21	12	1.33
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG22	12	1.33
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG23	12	1.33
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG21	14	1.33
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG22	14	1.33
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG23	14	1.33
(1,266)	1:12:A:PHE:HA	1:14:A:GLY:H	5	1.33
(1,266)	1:12:A:PHE:HA	1:14:A:GLY:H	10	1.33
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG21	18	1.33
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG22	18	1.33
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG23	18	1.33
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG11	9	1.32
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG12	9	1.32
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG13	9	1.32
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG21	9	1.32
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG22	9	1.32
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG23	9	1.32
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG11	2	1.32
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG12	2	1.32
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG13	2	1.32
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG21	10	1.32
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG22	10	1.32
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG23	10	1.32
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG21	10	1.32
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG22	10	1.32
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG23	10	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG21	10	1.32
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG22	10	1.32
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG23	10	1.32
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB1	6	1.32
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB2	6	1.32
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB3	6	1.32
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB1	6	1.32
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB2	6	1.32
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB3	6	1.32
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB1	6	1.32
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB2	6	1.32
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB3	6	1.32
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG11	12	1.32
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG12	12	1.32
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG13	12	1.32
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG11	20	1.32
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG12	20	1.32
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG13	20	1.32
(1,1436)	1:101:A:VAL:HG21	1:150:A:ALA:H	15	1.32
(1,1436)	1:101:A:VAL:HG22	1:150:A:ALA:H	15	1.32
(1,1436)	1:101:A:VAL:HG23	1:150:A:ALA:H	15	1.32
(1,1080)	1:23:A:VAL:H	1:58:A:LEU:HB2	1	1.32
(1,1080)	1:23:A:VAL:H	1:58:A:LEU:HB2	3	1.32
(1,838)	1:19:A:ALA:HB1	1:158:A:TYR:H	9	1.32
(1,838)	1:19:A:ALA:HB2	1:158:A:TYR:H	9	1.32
(1,838)	1:19:A:ALA:HB3	1:158:A:TYR:H	9	1.32
(1,685)	1:101:A:VAL:HG11	1:135:A:ALA:HA	11	1.32
(1,685)	1:101:A:VAL:HG12	1:135:A:ALA:HA	11	1.32
(1,685)	1:101:A:VAL:HG13	1:135:A:ALA:HA	11	1.32
(1,577)	1:20:A:ALA:HB1	1:124:A:LEU:HB2	8	1.32
(1,577)	1:20:A:ALA:HB2	1:124:A:LEU:HB2	8	1.32
(1,577)	1:20:A:ALA:HB3	1:124:A:LEU:HB2	8	1.32
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG21	13	1.32
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG22	13	1.32
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG23	13	1.32
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB2	7	1.32
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB3	7	1.32
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG11	15	1.31
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG12	15	1.31
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG13	15	1.31
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG21	8	1.31
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG22	8	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG23	8	1.31
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG21	8	1.31
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG22	8	1.31
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG23	8	1.31
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG21	8	1.31
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG22	8	1.31
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG23	8	1.31
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG21	20	1.31
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG22	20	1.31
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG23	20	1.31
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG21	20	1.31
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG22	20	1.31
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG23	20	1.31
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG21	20	1.31
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG22	20	1.31
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG23	20	1.31
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB1	3	1.31
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB2	3	1.31
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB3	3	1.31
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB1	3	1.31
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB2	3	1.31
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB3	3	1.31
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB1	3	1.31
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB2	3	1.31
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB3	3	1.31
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG11	4	1.31
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG12	4	1.31
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG13	4	1.31
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG11	8	1.31
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG12	8	1.31
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG13	8	1.31
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG11	11	1.31
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG12	11	1.31
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG13	11	1.31
(1,1080)	1:23:A:VAL:H	1:58:A:LEU:HB2	4	1.31
(1,1080)	1:23:A:VAL:H	1:58:A:LEU:HB2	12	1.31
(1,1080)	1:23:A:VAL:H	1:58:A:LEU:HB2	19	1.31
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG21	1	1.31
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG22	1	1.31
(1,786)	1:100:A:GLY:HA2	1:101:A:VAL:HG23	1	1.31
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG21	15	1.31
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG22	15	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG23	15	1.31
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG21	15	1.31
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG22	15	1.31
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG23	15	1.31
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG21	15	1.31
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG22	15	1.31
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG23	15	1.31
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB1	17	1.31
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB2	17	1.31
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB3	17	1.31
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB1	17	1.31
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB2	17	1.31
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB3	17	1.31
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB1	17	1.31
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB2	17	1.31
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB3	17	1.31
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB2	6	1.31
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB3	6	1.31
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG11	1	1.3
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG12	1	1.3
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG13	1	1.3
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG11	3	1.3
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG12	3	1.3
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG13	3	1.3
(1,1080)	1:23:A:VAL:H	1:58:A:LEU:HB2	10	1.3
(1,949)	1:14:A:GLY:HA3	1:155:A:LYS:HA	1	1.3
(1,861)	1:48:A:THR:HG21	1:136:A:ARG:HE	11	1.3
(1,861)	1:48:A:THR:HG22	1:136:A:ARG:HE	11	1.3
(1,861)	1:48:A:THR:HG23	1:136:A:ARG:HE	11	1.3
(1,838)	1:19:A:ALA:HB1	1:158:A:TYR:H	15	1.3
(1,838)	1:19:A:ALA:HB2	1:158:A:TYR:H	15	1.3
(1,838)	1:19:A:ALA:HB3	1:158:A:TYR:H	15	1.3
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG21	9	1.3
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG22	9	1.3
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG23	9	1.3
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG21	9	1.3
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG22	9	1.3
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG23	9	1.3
(1,685)	1:101:A:VAL:HG11	1:135:A:ALA:HA	18	1.3
(1,685)	1:101:A:VAL:HG12	1:135:A:ALA:HA	18	1.3
(1,685)	1:101:A:VAL:HG13	1:135:A:ALA:HA	18	1.3
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG21	17	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG22	17	1.3
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG23	17	1.3
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG21	6	1.3
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG22	6	1.3
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG23	6	1.3
(1,2854)	1:10:A:VAL:HG11	1:32:A:VAL:HB	18	1.29
(1,2854)	1:10:A:VAL:HG12	1:32:A:VAL:HB	18	1.29
(1,2854)	1:10:A:VAL:HG13	1:32:A:VAL:HB	18	1.29
(1,2854)	1:10:A:VAL:HG21	1:32:A:VAL:HB	18	1.29
(1,2854)	1:10:A:VAL:HG22	1:32:A:VAL:HB	18	1.29
(1,2854)	1:10:A:VAL:HG23	1:32:A:VAL:HB	18	1.29
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG11	2	1.29
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG12	2	1.29
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG13	2	1.29
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG11	14	1.29
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG12	14	1.29
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG13	14	1.29
(1,1436)	1:101:A:VAL:HG21	1:150:A:ALA:H	4	1.29
(1,1436)	1:101:A:VAL:HG22	1:150:A:ALA:H	4	1.29
(1,1436)	1:101:A:VAL:HG23	1:150:A:ALA:H	4	1.29
(1,1080)	1:23:A:VAL:H	1:58:A:LEU:HB2	11	1.29
(1,1080)	1:23:A:VAL:H	1:58:A:LEU:HB2	20	1.29
(1,966)	1:32:A:VAL:HG11	1:54:A:PHE:HA	7	1.29
(1,966)	1:32:A:VAL:HG12	1:54:A:PHE:HA	7	1.29
(1,966)	1:32:A:VAL:HG13	1:54:A:PHE:HA	7	1.29
(1,949)	1:14:A:GLY:HA3	1:155:A:LYS:HA	14	1.29
(1,949)	1:14:A:GLY:HA3	1:155:A:LYS:HA	19	1.29
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG21	19	1.29
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG22	19	1.29
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG23	19	1.29
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG21	2	1.29
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG22	2	1.29
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG23	2	1.29
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG21	2	1.29
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG22	2	1.29
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG23	2	1.29
(1,577)	1:20:A:ALA:HB1	1:124:A:LEU:HB2	2	1.29
(1,577)	1:20:A:ALA:HB2	1:124:A:LEU:HB2	2	1.29
(1,577)	1:20:A:ALA:HB3	1:124:A:LEU:HB2	2	1.29
(1,419)	1:56:A:ILE:H	1:133:A:PHE:HB3	3	1.29
(1,266)	1:12:A:PHE:HA	1:14:A:GLY:H	12	1.29
(1,266)	1:12:A:PHE:HA	1:14:A:GLY:H	16	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,266)	1:12:A:PHE:HA	1:14:A:GLY:H	19	1.29
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB1	10	1.29
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB2	10	1.29
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB3	10	1.29
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB1	10	1.29
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB2	10	1.29
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB3	10	1.29
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB1	10	1.29
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB2	10	1.29
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB3	10	1.29
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG21	12	1.28
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG22	12	1.28
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG23	12	1.28
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG21	12	1.28
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG22	12	1.28
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG23	12	1.28
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG21	12	1.28
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG22	12	1.28
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG23	12	1.28
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG11	15	1.28
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG12	15	1.28
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG13	15	1.28
(1,1080)	1:23:A:VAL:H	1:58:A:LEU:HB2	17	1.28
(1,949)	1:14:A:GLY:HA3	1:155:A:LYS:HA	18	1.28
(1,685)	1:101:A:VAL:HG11	1:135:A:ALA:HA	3	1.28
(1,685)	1:101:A:VAL:HG12	1:135:A:ALA:HA	3	1.28
(1,685)	1:101:A:VAL:HG13	1:135:A:ALA:HA	3	1.28
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG21	16	1.28
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG22	16	1.28
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG23	16	1.28
(1,266)	1:12:A:PHE:HA	1:14:A:GLY:H	17	1.28
(1,175)	1:30:A:GLN:HE22	1:55:A:ASN:H	8	1.28
(1,2912)	1:16:A:VAL:HG11	1:156:A:VAL:HB	3	1.27
(1,2912)	1:16:A:VAL:HG12	1:156:A:VAL:HB	3	1.27
(1,2912)	1:16:A:VAL:HG13	1:156:A:VAL:HB	3	1.27
(1,2912)	1:16:A:VAL:HG21	1:156:A:VAL:HB	3	1.27
(1,2912)	1:16:A:VAL:HG22	1:156:A:VAL:HB	3	1.27
(1,2912)	1:16:A:VAL:HG23	1:156:A:VAL:HB	3	1.27
(1,2854)	1:10:A:VAL:HG11	1:32:A:VAL:HB	2	1.27
(1,2854)	1:10:A:VAL:HG12	1:32:A:VAL:HB	2	1.27
(1,2854)	1:10:A:VAL:HG13	1:32:A:VAL:HB	2	1.27
(1,2854)	1:10:A:VAL:HG21	1:32:A:VAL:HB	2	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2854)	1:10:A:VAL:HG22	1:32:A:VAL:HB	2	1.27
(1,2854)	1:10:A:VAL:HG23	1:32:A:VAL:HB	2	1.27
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB1	11	1.27
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB2	11	1.27
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB3	11	1.27
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB1	11	1.27
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB2	11	1.27
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB3	11	1.27
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB1	11	1.27
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB2	11	1.27
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB3	11	1.27
(1,1681)	1:32:A:VAL:HG11	1:52:A:VAL:HB	13	1.27
(1,1681)	1:32:A:VAL:HG12	1:52:A:VAL:HB	13	1.27
(1,1681)	1:32:A:VAL:HG13	1:52:A:VAL:HB	13	1.27
(1,1613)	1:14:A:GLY:H	1:154:A:PHE:H	6	1.27
(1,1080)	1:23:A:VAL:H	1:58:A:LEU:HB2	6	1.27
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG21	12	1.27
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG22	12	1.27
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG23	12	1.27
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG21	12	1.27
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG22	12	1.27
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG23	12	1.27
(1,861)	1:48:A:THR:HG21	1:136:A:ARG:HE	15	1.27
(1,861)	1:48:A:THR:HG22	1:136:A:ARG:HE	15	1.27
(1,861)	1:48:A:THR:HG23	1:136:A:ARG:HE	15	1.27
(1,577)	1:20:A:ALA:HB1	1:124:A:LEU:HB2	3	1.27
(1,577)	1:20:A:ALA:HB2	1:124:A:LEU:HB2	3	1.27
(1,577)	1:20:A:ALA:HB3	1:124:A:LEU:HB2	3	1.27
(1,577)	1:20:A:ALA:HB1	1:124:A:LEU:HB2	7	1.27
(1,577)	1:20:A:ALA:HB2	1:124:A:LEU:HB2	7	1.27
(1,577)	1:20:A:ALA:HB3	1:124:A:LEU:HB2	7	1.27
(1,403)	1:102:A:GLN:HB2	1:136:A:ARG:H	14	1.27
(1,266)	1:12:A:PHE:HA	1:14:A:GLY:H	2	1.27
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB1	3	1.27
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB2	3	1.27
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB3	3	1.27
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB1	3	1.27
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB2	3	1.27
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB3	3	1.27
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB1	3	1.27
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB2	3	1.27
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB3	3	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2912)	1:16:A:VAL:HG11	1:156:A:VAL:HB	2	1.26
(1,2912)	1:16:A:VAL:HG12	1:156:A:VAL:HB	2	1.26
(1,2912)	1:16:A:VAL:HG13	1:156:A:VAL:HB	2	1.26
(1,2912)	1:16:A:VAL:HG21	1:156:A:VAL:HB	2	1.26
(1,2912)	1:16:A:VAL:HG22	1:156:A:VAL:HB	2	1.26
(1,2912)	1:16:A:VAL:HG23	1:156:A:VAL:HB	2	1.26
(1,2912)	1:16:A:VAL:HG11	1:156:A:VAL:HB	4	1.26
(1,2912)	1:16:A:VAL:HG12	1:156:A:VAL:HB	4	1.26
(1,2912)	1:16:A:VAL:HG13	1:156:A:VAL:HB	4	1.26
(1,2912)	1:16:A:VAL:HG21	1:156:A:VAL:HB	4	1.26
(1,2912)	1:16:A:VAL:HG22	1:156:A:VAL:HB	4	1.26
(1,2912)	1:16:A:VAL:HG23	1:156:A:VAL:HB	4	1.26
(1,2854)	1:10:A:VAL:HG11	1:32:A:VAL:HB	17	1.26
(1,2854)	1:10:A:VAL:HG12	1:32:A:VAL:HB	17	1.26
(1,2854)	1:10:A:VAL:HG13	1:32:A:VAL:HB	17	1.26
(1,2854)	1:10:A:VAL:HG21	1:32:A:VAL:HB	17	1.26
(1,2854)	1:10:A:VAL:HG22	1:32:A:VAL:HB	17	1.26
(1,2854)	1:10:A:VAL:HG23	1:32:A:VAL:HB	17	1.26
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG11	16	1.26
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG12	16	1.26
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG13	16	1.26
(1,1681)	1:32:A:VAL:HG11	1:52:A:VAL:HB	18	1.26
(1,1681)	1:32:A:VAL:HG12	1:52:A:VAL:HB	18	1.26
(1,1681)	1:32:A:VAL:HG13	1:52:A:VAL:HB	18	1.26
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG21	17	1.26
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG22	17	1.26
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG23	17	1.26
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG21	17	1.26
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG22	17	1.26
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG23	17	1.26
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB1	17	1.26
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB2	17	1.26
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB3	17	1.26
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB1	17	1.26
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB2	17	1.26
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB3	17	1.26
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB1	17	1.26
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB2	17	1.26
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB3	17	1.26
(1,898)	1:86:A:LEU:H	1:101:A:VAL:HB	13	1.26
(1,685)	1:101:A:VAL:HG11	1:135:A:ALA:HA	17	1.26
(1,685)	1:101:A:VAL:HG12	1:135:A:ALA:HA	17	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,685)	1:101:A:VAL:HG13	1:135:A:ALA:HA	17	1.26
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB2	5	1.26
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB3	5	1.26
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB2	9	1.26
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB3	9	1.26
(1,2912)	1:16:A:VAL:HG11	1:156:A:VAL:HB	7	1.25
(1,2912)	1:16:A:VAL:HG12	1:156:A:VAL:HB	7	1.25
(1,2912)	1:16:A:VAL:HG13	1:156:A:VAL:HB	7	1.25
(1,2912)	1:16:A:VAL:HG21	1:156:A:VAL:HB	7	1.25
(1,2912)	1:16:A:VAL:HG22	1:156:A:VAL:HB	7	1.25
(1,2912)	1:16:A:VAL:HG23	1:156:A:VAL:HB	7	1.25
(1,2854)	1:10:A:VAL:HG11	1:32:A:VAL:HB	3	1.25
(1,2854)	1:10:A:VAL:HG12	1:32:A:VAL:HB	3	1.25
(1,2854)	1:10:A:VAL:HG13	1:32:A:VAL:HB	3	1.25
(1,2854)	1:10:A:VAL:HG21	1:32:A:VAL:HB	3	1.25
(1,2854)	1:10:A:VAL:HG22	1:32:A:VAL:HB	3	1.25
(1,2854)	1:10:A:VAL:HG23	1:32:A:VAL:HB	3	1.25
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB1	16	1.25
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB2	16	1.25
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB3	16	1.25
(1,1436)	1:101:A:VAL:HG21	1:150:A:ALA:H	19	1.25
(1,1436)	1:101:A:VAL:HG22	1:150:A:ALA:H	19	1.25
(1,1436)	1:101:A:VAL:HG23	1:150:A:ALA:H	19	1.25
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB1	4	1.25
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB2	4	1.25
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB3	4	1.25
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB1	4	1.25
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB2	4	1.25
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB3	4	1.25
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB1	4	1.25
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB2	4	1.25
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB3	4	1.25
(1,905)	1:89:A:GLN:HE21	1:149:A:ASN:HB2	11	1.25
(1,878)	1:67:A:SER:H	1:159:A:GLN:H	15	1.25
(1,685)	1:101:A:VAL:HG11	1:135:A:ALA:HA	1	1.25
(1,685)	1:101:A:VAL:HG12	1:135:A:ALA:HA	1	1.25
(1,685)	1:101:A:VAL:HG13	1:135:A:ALA:HA	1	1.25
(1,577)	1:20:A:ALA:HB1	1:124:A:LEU:HB2	13	1.25
(1,577)	1:20:A:ALA:HB2	1:124:A:LEU:HB2	13	1.25
(1,577)	1:20:A:ALA:HB3	1:124:A:LEU:HB2	13	1.25
(1,2854)	1:10:A:VAL:HG11	1:32:A:VAL:HB	20	1.24
(1,2854)	1:10:A:VAL:HG12	1:32:A:VAL:HB	20	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2854)	1:10:A:VAL:HG13	1:32:A:VAL:HB	20	1.24
(1,2854)	1:10:A:VAL:HG21	1:32:A:VAL:HB	20	1.24
(1,2854)	1:10:A:VAL:HG22	1:32:A:VAL:HB	20	1.24
(1,2854)	1:10:A:VAL:HG23	1:32:A:VAL:HB	20	1.24
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB1	18	1.24
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB2	18	1.24
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB3	18	1.24
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB1	18	1.24
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB2	18	1.24
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB3	18	1.24
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB1	18	1.24
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB2	18	1.24
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB3	18	1.24
(1,2041)	1:10:A:VAL:H	1:32:A:VAL:HB	1	1.24
(1,1681)	1:32:A:VAL:HG11	1:52:A:VAL:HB	12	1.24
(1,1681)	1:32:A:VAL:HG12	1:52:A:VAL:HB	12	1.24
(1,1681)	1:32:A:VAL:HG13	1:52:A:VAL:HB	12	1.24
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG21	17	1.24
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG22	17	1.24
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG23	17	1.24
(1,838)	1:19:A:ALA:HB1	1:158:A:TYR:H	11	1.24
(1,838)	1:19:A:ALA:HB2	1:158:A:TYR:H	11	1.24
(1,838)	1:19:A:ALA:HB3	1:158:A:TYR:H	11	1.24
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG21	20	1.24
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG22	20	1.24
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG23	20	1.24
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG21	20	1.24
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG22	20	1.24
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG23	20	1.24
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG11	8	1.24
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG12	8	1.24
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG13	8	1.24
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG11	8	1.24
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG12	8	1.24
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG13	8	1.24
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG11	8	1.24
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG12	8	1.24
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG13	8	1.24
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG11	8	1.24
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG12	8	1.24
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG13	8	1.24
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG11	8	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG12	8	1.24
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG13	8	1.24
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG11	8	1.24
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG12	8	1.24
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG13	8	1.24
(1,403)	1:102:A:GLN:HB2	1:136:A:ARG:H	13	1.24
(1,266)	1:12:A:PHE:HA	1:14:A:GLY:H	11	1.24
(1,266)	1:12:A:PHE:HA	1:14:A:GLY:H	13	1.24
(1,3287)	1:78:A:ILE:HG21	1:102:A:GLN:HG2	18	1.23
(1,3287)	1:78:A:ILE:HG21	1:102:A:GLN:HG3	18	1.23
(1,3287)	1:78:A:ILE:HG22	1:102:A:GLN:HG2	18	1.23
(1,3287)	1:78:A:ILE:HG22	1:102:A:GLN:HG3	18	1.23
(1,3287)	1:78:A:ILE:HG23	1:102:A:GLN:HG2	18	1.23
(1,3287)	1:78:A:ILE:HG23	1:102:A:GLN:HG3	18	1.23
(1,2912)	1:16:A:VAL:HG11	1:156:A:VAL:HB	6	1.23
(1,2912)	1:16:A:VAL:HG12	1:156:A:VAL:HB	6	1.23
(1,2912)	1:16:A:VAL:HG13	1:156:A:VAL:HB	6	1.23
(1,2912)	1:16:A:VAL:HG21	1:156:A:VAL:HB	6	1.23
(1,2912)	1:16:A:VAL:HG22	1:156:A:VAL:HB	6	1.23
(1,2912)	1:16:A:VAL:HG23	1:156:A:VAL:HB	6	1.23
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG11	11	1.23
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG12	11	1.23
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG13	11	1.23
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB1	18	1.23
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB2	18	1.23
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB3	18	1.23
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG11	5	1.23
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG12	5	1.23
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG13	5	1.23
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB1	11	1.23
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB2	11	1.23
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB3	11	1.23
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB1	11	1.23
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB2	11	1.23
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB3	11	1.23
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB1	11	1.23
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB2	11	1.23
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB3	11	1.23
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG21	15	1.23
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG22	15	1.23
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG23	15	1.23
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG21	15	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG22	15	1.23
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG23	15	1.23
(1,838)	1:19:A:ALA:HB1	1:158:A:TYR:H	19	1.23
(1,838)	1:19:A:ALA:HB2	1:158:A:TYR:H	19	1.23
(1,838)	1:19:A:ALA:HB3	1:158:A:TYR:H	19	1.23
(1,577)	1:20:A:ALA:HB1	1:124:A:LEU:HB2	15	1.23
(1,577)	1:20:A:ALA:HB2	1:124:A:LEU:HB2	15	1.23
(1,577)	1:20:A:ALA:HB3	1:124:A:LEU:HB2	15	1.23
(1,577)	1:20:A:ALA:HB1	1:124:A:LEU:HB2	18	1.23
(1,577)	1:20:A:ALA:HB2	1:124:A:LEU:HB2	18	1.23
(1,577)	1:20:A:ALA:HB3	1:124:A:LEU:HB2	18	1.23
(1,419)	1:56:A:ILE:H	1:133:A:PHE:HB3	20	1.23
(1,266)	1:12:A:PHE:HA	1:14:A:GLY:H	8	1.23
(1,217)	1:3:A:THR:HB	1:145:A:PRO:HB2	15	1.23
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG21	13	1.23
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG22	13	1.23
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG23	13	1.23
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB2	15	1.23
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB3	15	1.23
(1,2854)	1:10:A:VAL:HG11	1:32:A:VAL:HB	4	1.22
(1,2854)	1:10:A:VAL:HG12	1:32:A:VAL:HB	4	1.22
(1,2854)	1:10:A:VAL:HG13	1:32:A:VAL:HB	4	1.22
(1,2854)	1:10:A:VAL:HG21	1:32:A:VAL:HB	4	1.22
(1,2854)	1:10:A:VAL:HG22	1:32:A:VAL:HB	4	1.22
(1,2854)	1:10:A:VAL:HG23	1:32:A:VAL:HB	4	1.22
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG11	7	1.22
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG12	7	1.22
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG13	7	1.22
(1,966)	1:32:A:VAL:HG11	1:54:A:PHE:HA	18	1.22
(1,966)	1:32:A:VAL:HG12	1:54:A:PHE:HA	18	1.22
(1,966)	1:32:A:VAL:HG13	1:54:A:PHE:HA	18	1.22
(1,905)	1:89:A:GLN:HE21	1:149:A:ASN:HB2	12	1.22
(1,838)	1:19:A:ALA:HB1	1:158:A:TYR:H	4	1.22
(1,838)	1:19:A:ALA:HB2	1:158:A:TYR:H	4	1.22
(1,838)	1:19:A:ALA:HB3	1:158:A:TYR:H	4	1.22
(1,577)	1:20:A:ALA:HB1	1:124:A:LEU:HB2	6	1.22
(1,577)	1:20:A:ALA:HB2	1:124:A:LEU:HB2	6	1.22
(1,577)	1:20:A:ALA:HB3	1:124:A:LEU:HB2	6	1.22
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG21	3	1.22
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG22	3	1.22
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG23	3	1.22
(1,175)	1:30:A:GLN:HE22	1:55:A:ASN:H	16	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,88)	1:115:A:GLY:HA2	1:155:A:LYS:HE2	2	1.22
(1,88)	1:115:A:GLY:HA2	1:155:A:LYS:HE3	2	1.22
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG21	1	1.22
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG22	1	1.22
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG23	1	1.22
(1,2912)	1:16:A:VAL:HG11	1:156:A:VAL:HB	10	1.21
(1,2912)	1:16:A:VAL:HG12	1:156:A:VAL:HB	10	1.21
(1,2912)	1:16:A:VAL:HG13	1:156:A:VAL:HB	10	1.21
(1,2912)	1:16:A:VAL:HG21	1:156:A:VAL:HB	10	1.21
(1,2912)	1:16:A:VAL:HG22	1:156:A:VAL:HB	10	1.21
(1,2912)	1:16:A:VAL:HG23	1:156:A:VAL:HB	10	1.21
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG11	12	1.21
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG12	12	1.21
(1,2556)	1:70:A:ALA:H	1:156:A:VAL:HG13	12	1.21
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB1	8	1.21
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB2	8	1.21
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB3	8	1.21
(1,1198)	1:10:A:VAL:HB	1:150:A:ALA:H	13	1.21
(1,1198)	1:10:A:VAL:HB	1:150:A:ALA:H	16	1.21
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG21	12	1.21
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG22	12	1.21
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG23	12	1.21
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG21	12	1.21
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG22	12	1.21
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG23	12	1.21
(1,898)	1:86:A:LEU:H	1:101:A:VAL:HB	10	1.21
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG21	2	1.21
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG22	2	1.21
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG23	2	1.21
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG21	17	1.21
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG22	17	1.21
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG23	17	1.21
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG21	17	1.21
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG22	17	1.21
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG23	17	1.21
(1,685)	1:101:A:VAL:HG11	1:135:A:ALA:HA	14	1.21
(1,685)	1:101:A:VAL:HG12	1:135:A:ALA:HA	14	1.21
(1,685)	1:101:A:VAL:HG13	1:135:A:ALA:HA	14	1.21
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG21	4	1.21
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG22	4	1.21
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG23	4	1.21
(1,266)	1:12:A:PHE:HA	1:14:A:GLY:H	7	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB1	5	1.2
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB2	5	1.2
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB3	5	1.2
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB1	5	1.2
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB2	5	1.2
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB3	5	1.2
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB1	5	1.2
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB2	5	1.2
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB3	5	1.2
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB1	12	1.2
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB2	12	1.2
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB3	12	1.2
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB1	12	1.2
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB2	12	1.2
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB3	12	1.2
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB1	12	1.2
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB2	12	1.2
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB3	12	1.2
(1,1613)	1:14:A:GLY:H	1:154:A:PHE:H	16	1.2
(1,1436)	1:101:A:VAL:HG21	1:150:A:ALA:H	9	1.2
(1,1436)	1:101:A:VAL:HG22	1:150:A:ALA:H	9	1.2
(1,1436)	1:101:A:VAL:HG23	1:150:A:ALA:H	9	1.2
(1,1436)	1:101:A:VAL:HG21	1:150:A:ALA:H	14	1.2
(1,1436)	1:101:A:VAL:HG22	1:150:A:ALA:H	14	1.2
(1,1436)	1:101:A:VAL:HG23	1:150:A:ALA:H	14	1.2
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG21	14	1.2
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG22	14	1.2
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG23	14	1.2
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG21	14	1.2
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG22	14	1.2
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG23	14	1.2
(1,949)	1:14:A:GLY:HA3	1:155:A:LYS:HA	7	1.2
(1,949)	1:14:A:GLY:HA3	1:155:A:LYS:HA	12	1.2
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG21	8	1.2
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG22	8	1.2
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG23	8	1.2
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG21	8	1.2
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG22	8	1.2
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG23	8	1.2
(1,838)	1:19:A:ALA:HB1	1:158:A:TYR:H	6	1.2
(1,838)	1:19:A:ALA:HB2	1:158:A:TYR:H	6	1.2
(1,838)	1:19:A:ALA:HB3	1:158:A:TYR:H	6	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,577)	1:20:A:ALA:HB1	1:124:A:LEU:HB2	1	1.2
(1,577)	1:20:A:ALA:HB2	1:124:A:LEU:HB2	1	1.2
(1,577)	1:20:A:ALA:HB3	1:124:A:LEU:HB2	1	1.2
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG21	16	1.2
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG22	16	1.2
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG23	16	1.2
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB1	8	1.2
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB2	8	1.2
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB3	8	1.2
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB1	8	1.2
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB2	8	1.2
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB3	8	1.2
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB1	8	1.2
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB2	8	1.2
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB3	8	1.2
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB1	16	1.19
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB2	16	1.19
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB3	16	1.19
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB1	16	1.19
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB2	16	1.19
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB3	16	1.19
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB1	16	1.19
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB2	16	1.19
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB3	16	1.19
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB1	16	1.19
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB2	16	1.19
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB3	16	1.19
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB1	16	1.19
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB2	16	1.19
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB3	16	1.19
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB1	16	1.19
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB2	16	1.19
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB3	16	1.19
(1,3287)	1:78:A:ILE:HG21	1:102:A:GLN:HG2	13	1.19
(1,3287)	1:78:A:ILE:HG21	1:102:A:GLN:HG3	13	1.19
(1,3287)	1:78:A:ILE:HG22	1:102:A:GLN:HG2	13	1.19
(1,3287)	1:78:A:ILE:HG22	1:102:A:GLN:HG3	13	1.19
(1,3287)	1:78:A:ILE:HG23	1:102:A:GLN:HG2	13	1.19
(1,3287)	1:78:A:ILE:HG23	1:102:A:GLN:HG3	13	1.19
(1,2912)	1:16:A:VAL:HG11	1:156:A:VAL:HB	1	1.19
(1,2912)	1:16:A:VAL:HG12	1:156:A:VAL:HB	1	1.19
(1,2912)	1:16:A:VAL:HG13	1:156:A:VAL:HB	1	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2912)	1:16:A:VAL:HG21	1:156:A:VAL:HB	1	1.19
(1,2912)	1:16:A:VAL:HG22	1:156:A:VAL:HB	1	1.19
(1,2912)	1:16:A:VAL:HG23	1:156:A:VAL:HB	1	1.19
(1,2912)	1:16:A:VAL:HG11	1:156:A:VAL:HB	5	1.19
(1,2912)	1:16:A:VAL:HG12	1:156:A:VAL:HB	5	1.19
(1,2912)	1:16:A:VAL:HG13	1:156:A:VAL:HB	5	1.19
(1,2912)	1:16:A:VAL:HG21	1:156:A:VAL:HB	5	1.19
(1,2912)	1:16:A:VAL:HG22	1:156:A:VAL:HB	5	1.19
(1,2912)	1:16:A:VAL:HG23	1:156:A:VAL:HB	5	1.19
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG11	15	1.19
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG12	15	1.19
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG13	15	1.19
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG21	15	1.19
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG22	15	1.19
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG23	15	1.19
(1,2854)	1:10:A:VAL:HG11	1:32:A:VAL:HB	11	1.19
(1,2854)	1:10:A:VAL:HG12	1:32:A:VAL:HB	11	1.19
(1,2854)	1:10:A:VAL:HG13	1:32:A:VAL:HB	11	1.19
(1,2854)	1:10:A:VAL:HG21	1:32:A:VAL:HB	11	1.19
(1,2854)	1:10:A:VAL:HG22	1:32:A:VAL:HB	11	1.19
(1,2854)	1:10:A:VAL:HG23	1:32:A:VAL:HB	11	1.19
(1,1436)	1:101:A:VAL:HG21	1:150:A:ALA:H	18	1.19
(1,1436)	1:101:A:VAL:HG22	1:150:A:ALA:H	18	1.19
(1,1436)	1:101:A:VAL:HG23	1:150:A:ALA:H	18	1.19
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG21	20	1.19
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG22	20	1.19
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG23	20	1.19
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG21	11	1.19
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG22	11	1.19
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG23	11	1.19
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG21	11	1.19
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG22	11	1.19
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG23	11	1.19
(1,898)	1:86:A:LEU:H	1:101:A:VAL:HB	16	1.19
(1,577)	1:20:A:ALA:HB1	1:124:A:LEU:HB2	10	1.19
(1,577)	1:20:A:ALA:HB2	1:124:A:LEU:HB2	10	1.19
(1,577)	1:20:A:ALA:HB3	1:124:A:LEU:HB2	10	1.19
(1,577)	1:20:A:ALA:HB1	1:124:A:LEU:HB2	17	1.19
(1,577)	1:20:A:ALA:HB2	1:124:A:LEU:HB2	17	1.19
(1,577)	1:20:A:ALA:HB3	1:124:A:LEU:HB2	17	1.19
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG11	13	1.18
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG12	13	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG13	13	1.18
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG21	13	1.18
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG22	13	1.18
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG23	13	1.18
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG11	6	1.18
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG12	6	1.18
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG13	6	1.18
(1,1436)	1:101:A:VAL:HG21	1:150:A:ALA:H	3	1.18
(1,1436)	1:101:A:VAL:HG22	1:150:A:ALA:H	3	1.18
(1,1436)	1:101:A:VAL:HG23	1:150:A:ALA:H	3	1.18
(1,1436)	1:101:A:VAL:HG21	1:150:A:ALA:H	12	1.18
(1,1436)	1:101:A:VAL:HG22	1:150:A:ALA:H	12	1.18
(1,1436)	1:101:A:VAL:HG23	1:150:A:ALA:H	12	1.18
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG21	9	1.18
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG22	9	1.18
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG23	9	1.18
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG21	17	1.18
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG22	17	1.18
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG23	17	1.18
(1,898)	1:86:A:LEU:H	1:101:A:VAL:HB	14	1.18
(1,838)	1:19:A:ALA:HB1	1:158:A:TYR:H	1	1.18
(1,838)	1:19:A:ALA:HB2	1:158:A:TYR:H	1	1.18
(1,838)	1:19:A:ALA:HB3	1:158:A:TYR:H	1	1.18
(1,838)	1:19:A:ALA:HB1	1:158:A:TYR:H	7	1.18
(1,838)	1:19:A:ALA:HB2	1:158:A:TYR:H	7	1.18
(1,838)	1:19:A:ALA:HB3	1:158:A:TYR:H	7	1.18
(1,735)	1:28:A:VAL:HA	1:30:A:GLN:HG2	8	1.18
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG21	8	1.18
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG22	8	1.18
(1,715)	1:154:A:PHE:HE1	1:156:A:VAL:HG23	8	1.18
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG21	8	1.18
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG22	8	1.18
(1,715)	1:154:A:PHE:HE2	1:156:A:VAL:HG23	8	1.18
(1,577)	1:20:A:ALA:HB1	1:124:A:LEU:HB2	4	1.18
(1,577)	1:20:A:ALA:HB2	1:124:A:LEU:HB2	4	1.18
(1,577)	1:20:A:ALA:HB3	1:124:A:LEU:HB2	4	1.18
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG21	1	1.18
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG22	1	1.18
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG23	1	1.18
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG11	16	1.17
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG12	16	1.17
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG13	16	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG21	16	1.17
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG22	16	1.17
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG23	16	1.17
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB1	16	1.17
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB2	16	1.17
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB3	16	1.17
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB1	16	1.17
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB2	16	1.17
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB3	16	1.17
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB1	16	1.17
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB2	16	1.17
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB3	16	1.17
(1,1989)	1:102:A:GLN:HB3	1:136:A:ARG:H	14	1.17
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG21	2	1.17
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG22	2	1.17
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG23	2	1.17
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG21	6	1.17
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG22	6	1.17
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG23	6	1.17
(1,419)	1:56:A:ILE:H	1:133:A:PHE:HB3	13	1.17
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG21	6	1.17
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG22	6	1.17
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG23	6	1.17
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG21	18	1.17
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG22	18	1.17
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG23	18	1.17
(1,351)	1:92:A:ALA:HA	1:95:A:SER:HB2	5	1.17
(1,351)	1:92:A:ALA:HA	1:95:A:SER:HB3	5	1.17
(1,175)	1:30:A:GLN:HE22	1:55:A:ASN:H	7	1.17
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG21	5	1.17
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG22	5	1.17
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG23	5	1.17
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB1	18	1.17
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB2	18	1.17
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB3	18	1.17
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB1	18	1.17
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB2	18	1.17
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB3	18	1.17
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB1	18	1.17
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB2	18	1.17
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB3	18	1.17
(1,2912)	1:16:A:VAL:HG11	1:156:A:VAL:HB	11	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2912)	1:16:A:VAL:HG12	1:156:A:VAL:HB	11	1.16
(1,2912)	1:16:A:VAL:HG13	1:156:A:VAL:HB	11	1.16
(1,2912)	1:16:A:VAL:HG21	1:156:A:VAL:HB	11	1.16
(1,2912)	1:16:A:VAL:HG22	1:156:A:VAL:HB	11	1.16
(1,2912)	1:16:A:VAL:HG23	1:156:A:VAL:HB	11	1.16
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG21	14	1.16
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG22	14	1.16
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG23	14	1.16
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG21	14	1.16
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG22	14	1.16
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG23	14	1.16
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG21	14	1.16
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG22	14	1.16
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG23	14	1.16
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG21	15	1.16
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG22	15	1.16
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG23	15	1.16
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG21	15	1.16
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG22	15	1.16
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG23	15	1.16
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG21	15	1.16
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG22	15	1.16
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG23	15	1.16
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD1	14	1.16
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD2	14	1.16
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD1	14	1.16
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD2	14	1.16
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD1	14	1.16
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD2	14	1.16
(1,1640)	1:18:A:ASN:HD21	1:19:A:ALA:H	18	1.16
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG21	8	1.16
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG22	8	1.16
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG23	8	1.16
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG21	10	1.16
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG22	10	1.16
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG23	10	1.16
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG21	15	1.16
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG22	15	1.16
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG23	15	1.16
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG21	18	1.16
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG22	18	1.16
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG23	18	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG21	19	1.16
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG22	19	1.16
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG23	19	1.16
(1,838)	1:19:A:ALA:HB1	1:158:A:TYR:H	8	1.16
(1,838)	1:19:A:ALA:HB2	1:158:A:TYR:H	8	1.16
(1,838)	1:19:A:ALA:HB3	1:158:A:TYR:H	8	1.16
(1,838)	1:19:A:ALA:HB1	1:158:A:TYR:H	18	1.16
(1,838)	1:19:A:ALA:HB2	1:158:A:TYR:H	18	1.16
(1,838)	1:19:A:ALA:HB3	1:158:A:TYR:H	18	1.16
(1,117)	1:124:A:LEU:HA	1:125:A:ASN:HD22	6	1.16
(1,8)	1:13:A:LYS:HD2	1:153:A:THR:HG21	13	1.16
(1,8)	1:13:A:LYS:HD2	1:153:A:THR:HG22	13	1.16
(1,8)	1:13:A:LYS:HD2	1:153:A:THR:HG23	13	1.16
(1,1)	1:112:A:THR:HB	1:116:A:ALA:H	1	1.16
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG11	5	1.15
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG12	5	1.15
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG13	5	1.15
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG21	5	1.15
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG22	5	1.15
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG23	5	1.15
(1,2854)	1:10:A:VAL:HG11	1:32:A:VAL:HB	16	1.15
(1,2854)	1:10:A:VAL:HG12	1:32:A:VAL:HB	16	1.15
(1,2854)	1:10:A:VAL:HG13	1:32:A:VAL:HB	16	1.15
(1,2854)	1:10:A:VAL:HG21	1:32:A:VAL:HB	16	1.15
(1,2854)	1:10:A:VAL:HG22	1:32:A:VAL:HB	16	1.15
(1,2854)	1:10:A:VAL:HG23	1:32:A:VAL:HB	16	1.15
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG11	18	1.15
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG12	18	1.15
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG13	18	1.15
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG21	11	1.15
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG22	11	1.15
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG23	11	1.15
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG21	12	1.15
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG22	12	1.15
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG23	12	1.15
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG21	13	1.15
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG22	13	1.15
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG23	13	1.15
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG21	9	1.15
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG22	9	1.15
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG23	9	1.15
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG21	9	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG22	9	1.15
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG23	9	1.15
(1,966)	1:32:A:VAL:HG11	1:54:A:PHE:HA	5	1.15
(1,966)	1:32:A:VAL:HG12	1:54:A:PHE:HA	5	1.15
(1,966)	1:32:A:VAL:HG13	1:54:A:PHE:HA	5	1.15
(1,905)	1:89:A:GLN:HE21	1:149:A:ASN:HB2	15	1.15
(1,898)	1:86:A:LEU:H	1:101:A:VAL:HB	1	1.15
(1,898)	1:86:A:LEU:H	1:101:A:VAL:HB	17	1.15
(1,577)	1:20:A:ALA:HB1	1:124:A:LEU:HB2	5	1.15
(1,577)	1:20:A:ALA:HB2	1:124:A:LEU:HB2	5	1.15
(1,577)	1:20:A:ALA:HB3	1:124:A:LEU:HB2	5	1.15
(1,3287)	1:78:A:ILE:HG21	1:102:A:GLN:HG2	19	1.14
(1,3287)	1:78:A:ILE:HG21	1:102:A:GLN:HG3	19	1.14
(1,3287)	1:78:A:ILE:HG22	1:102:A:GLN:HG2	19	1.14
(1,3287)	1:78:A:ILE:HG22	1:102:A:GLN:HG3	19	1.14
(1,3287)	1:78:A:ILE:HG23	1:102:A:GLN:HG2	19	1.14
(1,3287)	1:78:A:ILE:HG23	1:102:A:GLN:HG3	19	1.14
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG11	12	1.14
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG12	12	1.14
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG13	12	1.14
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG21	12	1.14
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG22	12	1.14
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG23	12	1.14
(1,2854)	1:10:A:VAL:HG11	1:32:A:VAL:HB	14	1.14
(1,2854)	1:10:A:VAL:HG12	1:32:A:VAL:HB	14	1.14
(1,2854)	1:10:A:VAL:HG13	1:32:A:VAL:HB	14	1.14
(1,2854)	1:10:A:VAL:HG21	1:32:A:VAL:HB	14	1.14
(1,2854)	1:10:A:VAL:HG22	1:32:A:VAL:HB	14	1.14
(1,2854)	1:10:A:VAL:HG23	1:32:A:VAL:HB	14	1.14
(1,2854)	1:10:A:VAL:HG11	1:32:A:VAL:HB	15	1.14
(1,2854)	1:10:A:VAL:HG12	1:32:A:VAL:HB	15	1.14
(1,2854)	1:10:A:VAL:HG13	1:32:A:VAL:HB	15	1.14
(1,2854)	1:10:A:VAL:HG21	1:32:A:VAL:HB	15	1.14
(1,2854)	1:10:A:VAL:HG22	1:32:A:VAL:HB	15	1.14
(1,2854)	1:10:A:VAL:HG23	1:32:A:VAL:HB	15	1.14
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB1	10	1.14
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB2	10	1.14
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB3	10	1.14
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB1	4	1.14
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB2	4	1.14
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB3	4	1.14
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB1	4	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB2	4	1.14
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB3	4	1.14
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB1	4	1.14
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB2	4	1.14
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB3	4	1.14
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG21	3	1.14
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG22	3	1.14
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG23	3	1.14
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG21	4	1.14
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG22	4	1.14
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG23	4	1.14
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB1	5	1.14
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB2	5	1.14
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB3	5	1.14
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB1	5	1.14
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB2	5	1.14
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB3	5	1.14
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB1	5	1.14
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB2	5	1.14
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB3	5	1.14
(1,905)	1:89:A:GLN:HE21	1:149:A:ASN:HB2	4	1.14
(1,898)	1:86:A:LEU:H	1:101:A:VAL:HB	7	1.14
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG21	8	1.14
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG22	8	1.14
(1,650)	1:30:A:GLN:HG2	1:32:A:VAL:HG23	8	1.14
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD2	7	1.14
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD3	7	1.14
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD2	7	1.14
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD3	7	1.14
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD2	7	1.14
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD3	7	1.14
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD2	14	1.14
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD3	14	1.14
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD2	14	1.14
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD3	14	1.14
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD2	14	1.14
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD3	14	1.14
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG11	14	1.13
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG12	14	1.13
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG13	14	1.13
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG21	14	1.13
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG22	14	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG23	14	1.13
(1,2041)	1:10:A:VAL:H	1:32:A:VAL:HB	7	1.13
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB1	1	1.13
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB2	1	1.13
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB3	1	1.13
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG11	17	1.13
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG12	17	1.13
(1,1816)	1:69:A:ALA:HA	1:156:A:VAL:HG13	17	1.13
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB1	13	1.13
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB2	13	1.13
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB3	13	1.13
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB1	13	1.13
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB2	13	1.13
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB3	13	1.13
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB1	13	1.13
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB2	13	1.13
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB3	13	1.13
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG21	1	1.13
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG22	1	1.13
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG23	1	1.13
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG21	5	1.13
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG22	5	1.13
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG23	5	1.13
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG21	7	1.13
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG22	7	1.13
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG23	7	1.13
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG21	16	1.13
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG22	16	1.13
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG23	16	1.13
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG21	3	1.13
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG22	3	1.13
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG23	3	1.13
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG21	2	1.13
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG22	2	1.13
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG23	2	1.13
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG21	2	1.13
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG22	2	1.13
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG23	2	1.13
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG21	15	1.13
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG22	15	1.13
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG23	15	1.13
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG21	15	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG22	15	1.13
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG23	15	1.13
(1,966)	1:32:A:VAL:HG11	1:54:A:PHE:HA	3	1.13
(1,966)	1:32:A:VAL:HG12	1:54:A:PHE:HA	3	1.13
(1,966)	1:32:A:VAL:HG13	1:54:A:PHE:HA	3	1.13
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG21	3	1.13
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG22	3	1.13
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG23	3	1.13
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG21	3	1.13
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG22	3	1.13
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG23	3	1.13
(1,898)	1:86:A:LEU:H	1:101:A:VAL:HB	18	1.13
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG11	6	1.13
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG12	6	1.13
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG13	6	1.13
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG11	6	1.13
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG12	6	1.13
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG13	6	1.13
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG11	6	1.13
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG12	6	1.13
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG13	6	1.13
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG11	6	1.13
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG12	6	1.13
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG13	6	1.13
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG11	6	1.13
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG12	6	1.13
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG13	6	1.13
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG11	6	1.13
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG12	6	1.13
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG13	6	1.13
(1,419)	1:56:A:ILE:H	1:133:A:PHE:HB3	9	1.13
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG11	17	1.12
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG12	17	1.12
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG13	17	1.12
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG21	17	1.12
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG22	17	1.12
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG23	17	1.12
(1,1681)	1:32:A:VAL:HG11	1:52:A:VAL:HB	3	1.12
(1,1681)	1:32:A:VAL:HG12	1:52:A:VAL:HB	3	1.12
(1,1681)	1:32:A:VAL:HG13	1:52:A:VAL:HB	3	1.12
(1,1681)	1:32:A:VAL:HG11	1:52:A:VAL:HB	11	1.12
(1,1681)	1:32:A:VAL:HG12	1:52:A:VAL:HB	11	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1681)	1:32:A:VAL:HG13	1:52:A:VAL:HB	11	1.12
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG21	14	1.12
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG22	14	1.12
(1,1176)	1:100:A:GLY:HA3	1:101:A:VAL:HG23	14	1.12
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG21	9	1.12
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG22	9	1.12
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG23	9	1.12
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG21	9	1.12
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG22	9	1.12
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG23	9	1.12
(1,866)	1:56:A:ILE:H	1:133:A:PHE:HB2	1	1.12
(1,419)	1:56:A:ILE:H	1:133:A:PHE:HB3	10	1.12
(1,419)	1:56:A:ILE:H	1:133:A:PHE:HB3	11	1.12
(1,117)	1:124:A:LEU:HA	1:125:A:ASN:HD22	14	1.12
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB1	2	1.12
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB2	2	1.12
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB3	2	1.12
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB1	2	1.12
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB2	2	1.12
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB3	2	1.12
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB1	2	1.12
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB2	2	1.12
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB3	2	1.12
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG11	3	1.11
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG12	3	1.11
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG13	3	1.11
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG21	3	1.11
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG22	3	1.11
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG23	3	1.11
(1,2854)	1:10:A:VAL:HG11	1:32:A:VAL:HB	8	1.11
(1,2854)	1:10:A:VAL:HG12	1:32:A:VAL:HB	8	1.11
(1,2854)	1:10:A:VAL:HG13	1:32:A:VAL:HB	8	1.11
(1,2854)	1:10:A:VAL:HG21	1:32:A:VAL:HB	8	1.11
(1,2854)	1:10:A:VAL:HG22	1:32:A:VAL:HB	8	1.11
(1,2854)	1:10:A:VAL:HG23	1:32:A:VAL:HB	8	1.11
(1,2854)	1:10:A:VAL:HG11	1:32:A:VAL:HB	19	1.11
(1,2854)	1:10:A:VAL:HG12	1:32:A:VAL:HB	19	1.11
(1,2854)	1:10:A:VAL:HG13	1:32:A:VAL:HB	19	1.11
(1,2854)	1:10:A:VAL:HG21	1:32:A:VAL:HB	19	1.11
(1,2854)	1:10:A:VAL:HG22	1:32:A:VAL:HB	19	1.11
(1,2854)	1:10:A:VAL:HG23	1:32:A:VAL:HB	19	1.11
(1,1681)	1:32:A:VAL:HG11	1:52:A:VAL:HB	10	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1681)	1:32:A:VAL:HG12	1:52:A:VAL:HB	10	1.11
(1,1681)	1:32:A:VAL:HG13	1:52:A:VAL:HB	10	1.11
(1,1681)	1:32:A:VAL:HG11	1:52:A:VAL:HB	14	1.11
(1,1681)	1:32:A:VAL:HG12	1:52:A:VAL:HB	14	1.11
(1,1681)	1:32:A:VAL:HG13	1:52:A:VAL:HB	14	1.11
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD1	4	1.11
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD2	4	1.11
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD1	4	1.11
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD2	4	1.11
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD1	4	1.11
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD2	4	1.11
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD1	17	1.11
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD2	17	1.11
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD1	17	1.11
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD2	17	1.11
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD1	17	1.11
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD2	17	1.11
(1,1613)	1:14:A:GLY:H	1:154:A:PHE:H	1	1.11
(1,1408)	1:8:A:GLY:HA2	1:34:A:LEU:HB3	16	1.11
(1,1408)	1:8:A:GLY:HA2	1:34:A:LEU:HB3	18	1.11
(1,1198)	1:10:A:VAL:HB	1:150:A:ALA:H	19	1.11
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG21	14	1.11
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG22	14	1.11
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG23	14	1.11
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG21	14	1.11
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG22	14	1.11
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG23	14	1.11
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG11	2	1.11
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG12	2	1.11
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG13	2	1.11
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG11	2	1.11
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG12	2	1.11
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG13	2	1.11
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG11	2	1.11
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG12	2	1.11
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG13	2	1.11
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG11	2	1.11
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG12	2	1.11
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG13	2	1.11
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG11	2	1.11
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG12	2	1.11
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG13	2	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG11	2	1.11
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG12	2	1.11
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG13	2	1.11
(1,403)	1:102:A:GLN:HB2	1:136:A:ARG:H	9	1.11
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG21	2	1.11
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG22	2	1.11
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG23	2	1.11
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG21	7	1.11
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG22	7	1.11
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG23	7	1.11
(1,351)	1:92:A:ALA:HA	1:95:A:SER:HB2	20	1.11
(1,351)	1:92:A:ALA:HA	1:95:A:SER:HB3	20	1.11
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB1	1	1.11
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB2	1	1.11
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB3	1	1.11
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB1	1	1.11
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB2	1	1.11
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB3	1	1.11
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB1	1	1.11
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB2	1	1.11
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB3	1	1.11
(1,2976)	1:27:A:SER:HB2	1:28:A:VAL:HB	5	1.1
(1,2976)	1:27:A:SER:HB3	1:28:A:VAL:HB	5	1.1
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG11	7	1.1
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG12	7	1.1
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG13	7	1.1
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG21	7	1.1
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG22	7	1.1
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG23	7	1.1
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG11	19	1.1
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG12	19	1.1
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG13	19	1.1
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG21	19	1.1
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG22	19	1.1
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG23	19	1.1
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG11	1	1.1
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG12	1	1.1
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG13	1	1.1
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG11	1	1.1
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG12	1	1.1
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG13	1	1.1
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG11	1	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG12	1	1.1
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG13	1	1.1
(1,2226)	1:16:A:VAL:HA	1:156:A:VAL:H	9	1.1
(1,1989)	1:102:A:GLN:HB3	1:136:A:ARG:H	17	1.1
(1,1681)	1:32:A:VAL:HG11	1:52:A:VAL:HB	4	1.1
(1,1681)	1:32:A:VAL:HG12	1:52:A:VAL:HB	4	1.1
(1,1681)	1:32:A:VAL:HG13	1:52:A:VAL:HB	4	1.1
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD1	2	1.1
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD2	2	1.1
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD1	2	1.1
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD2	2	1.1
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD1	2	1.1
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD2	2	1.1
(1,1613)	1:14:A:GLY:H	1:154:A:PHE:H	17	1.1
(1,1408)	1:8:A:GLY:HA2	1:34:A:LEU:HB3	6	1.1
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB1	19	1.1
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB2	19	1.1
(1,959)	1:17:A:VAL:HG21	1:19:A:ALA:HB3	19	1.1
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB1	19	1.1
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB2	19	1.1
(1,959)	1:17:A:VAL:HG22	1:19:A:ALA:HB3	19	1.1
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB1	19	1.1
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB2	19	1.1
(1,959)	1:17:A:VAL:HG23	1:19:A:ALA:HB3	19	1.1
(1,898)	1:86:A:LEU:H	1:101:A:VAL:HB	2	1.1
(1,898)	1:86:A:LEU:H	1:101:A:VAL:HB	19	1.1
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG21	4	1.1
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG22	4	1.1
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG23	4	1.1
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG21	10	1.1
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG22	10	1.1
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG23	10	1.1
(1,117)	1:124:A:LEU:HA	1:125:A:ASN:HD22	20	1.1
(1,8)	1:13:A:LYS:HD2	1:153:A:THR:HG21	6	1.1
(1,8)	1:13:A:LYS:HD2	1:153:A:THR:HG22	6	1.1
(1,8)	1:13:A:LYS:HD2	1:153:A:THR:HG23	6	1.1
(1,3287)	1:78:A:ILE:HG21	1:102:A:GLN:HG2	4	1.09
(1,3287)	1:78:A:ILE:HG21	1:102:A:GLN:HG3	4	1.09
(1,3287)	1:78:A:ILE:HG22	1:102:A:GLN:HG2	4	1.09
(1,3287)	1:78:A:ILE:HG22	1:102:A:GLN:HG3	4	1.09
(1,3287)	1:78:A:ILE:HG23	1:102:A:GLN:HG2	4	1.09
(1,3287)	1:78:A:ILE:HG23	1:102:A:GLN:HG3	4	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3287)	1:78:A:ILE:HG21	1:102:A:GLN:HG2	10	1.09
(1,3287)	1:78:A:ILE:HG21	1:102:A:GLN:HG3	10	1.09
(1,3287)	1:78:A:ILE:HG22	1:102:A:GLN:HG2	10	1.09
(1,3287)	1:78:A:ILE:HG22	1:102:A:GLN:HG3	10	1.09
(1,3287)	1:78:A:ILE:HG23	1:102:A:GLN:HG2	10	1.09
(1,3287)	1:78:A:ILE:HG23	1:102:A:GLN:HG3	10	1.09
(1,1640)	1:18:A:ASN:HD21	1:19:A:ALA:H	4	1.09
(1,1436)	1:101:A:VAL:HG21	1:150:A:ALA:H	2	1.09
(1,1436)	1:101:A:VAL:HG22	1:150:A:ALA:H	2	1.09
(1,1436)	1:101:A:VAL:HG23	1:150:A:ALA:H	2	1.09
(1,1436)	1:101:A:VAL:HG21	1:150:A:ALA:H	10	1.09
(1,1436)	1:101:A:VAL:HG22	1:150:A:ALA:H	10	1.09
(1,1436)	1:101:A:VAL:HG23	1:150:A:ALA:H	10	1.09
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG21	8	1.09
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG22	8	1.09
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG23	8	1.09
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG21	8	1.09
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG22	8	1.09
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG23	8	1.09
(1,838)	1:19:A:ALA:HB1	1:158:A:TYR:H	20	1.09
(1,838)	1:19:A:ALA:HB2	1:158:A:TYR:H	20	1.09
(1,838)	1:19:A:ALA:HB3	1:158:A:TYR:H	20	1.09
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG11	5	1.09
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG12	5	1.09
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG13	5	1.09
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG11	5	1.09
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG12	5	1.09
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG13	5	1.09
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG11	5	1.09
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG12	5	1.09
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG13	5	1.09
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG11	5	1.09
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG12	5	1.09
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG13	5	1.09
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG11	5	1.09
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG12	5	1.09
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG13	5	1.09
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG11	5	1.09
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG12	5	1.09
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG13	5	1.09
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG11	9	1.09
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG12	9	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG13	9	1.09
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG11	9	1.09
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG12	9	1.09
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG13	9	1.09
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG11	9	1.09
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG12	9	1.09
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG13	9	1.09
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG11	9	1.09
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG12	9	1.09
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG13	9	1.09
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG11	9	1.09
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG12	9	1.09
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG13	9	1.09
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG11	9	1.09
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG12	9	1.09
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG13	9	1.09
(1,577)	1:20:A:ALA:HB1	1:124:A:LEU:HB2	16	1.09
(1,577)	1:20:A:ALA:HB2	1:124:A:LEU:HB2	16	1.09
(1,577)	1:20:A:ALA:HB3	1:124:A:LEU:HB2	16	1.09
(1,351)	1:92:A:ALA:HA	1:95:A:SER:HB2	12	1.09
(1,351)	1:92:A:ALA:HA	1:95:A:SER:HB3	12	1.09
(1,175)	1:30:A:GLN:HE22	1:55:A:ASN:H	5	1.09
(1,117)	1:124:A:LEU:HA	1:125:A:ASN:HD22	13	1.09
(1,88)	1:115:A:GLY:HA2	1:155:A:LYS:HE2	4	1.09
(1,88)	1:115:A:GLY:HA2	1:155:A:LYS:HE3	4	1.09
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB1	5	1.08
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB2	5	1.08
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB3	5	1.08
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB1	5	1.08
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB2	5	1.08
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB3	5	1.08
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB1	5	1.08
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB2	5	1.08
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB3	5	1.08
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB1	5	1.08
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB2	5	1.08
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB3	5	1.08
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB1	5	1.08
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB2	5	1.08
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB3	5	1.08
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB1	5	1.08
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB2	5	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB3	5	1.08
(1,3287)	1:78:A:ILE:HG21	1:102:A:GLN:HG2	11	1.08
(1,3287)	1:78:A:ILE:HG21	1:102:A:GLN:HG3	11	1.08
(1,3287)	1:78:A:ILE:HG22	1:102:A:GLN:HG2	11	1.08
(1,3287)	1:78:A:ILE:HG22	1:102:A:GLN:HG3	11	1.08
(1,3287)	1:78:A:ILE:HG23	1:102:A:GLN:HG2	11	1.08
(1,3287)	1:78:A:ILE:HG23	1:102:A:GLN:HG3	11	1.08
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB1	10	1.08
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB2	10	1.08
(1,2236)	1:19:A:ALA:HB1	1:66:A:ALA:HB3	10	1.08
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB1	10	1.08
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB2	10	1.08
(1,2236)	1:19:A:ALA:HB2	1:66:A:ALA:HB3	10	1.08
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB1	10	1.08
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB2	10	1.08
(1,2236)	1:19:A:ALA:HB3	1:66:A:ALA:HB3	10	1.08
(1,1640)	1:18:A:ASN:HD21	1:19:A:ALA:H	8	1.08
(1,1436)	1:101:A:VAL:HG21	1:150:A:ALA:H	5	1.08
(1,1436)	1:101:A:VAL:HG22	1:150:A:ALA:H	5	1.08
(1,1436)	1:101:A:VAL:HG23	1:150:A:ALA:H	5	1.08
(1,1436)	1:101:A:VAL:HG21	1:150:A:ALA:H	7	1.08
(1,1436)	1:101:A:VAL:HG22	1:150:A:ALA:H	7	1.08
(1,1436)	1:101:A:VAL:HG23	1:150:A:ALA:H	7	1.08
(1,949)	1:14:A:GLY:HA3	1:155:A:LYS:HA	15	1.08
(1,898)	1:86:A:LEU:H	1:101:A:VAL:HB	3	1.08
(1,838)	1:19:A:ALA:HB1	1:158:A:TYR:H	3	1.08
(1,838)	1:19:A:ALA:HB2	1:158:A:TYR:H	3	1.08
(1,838)	1:19:A:ALA:HB3	1:158:A:TYR:H	3	1.08
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG11	20	1.08
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG12	20	1.08
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG13	20	1.08
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG11	20	1.08
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG12	20	1.08
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG13	20	1.08
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG11	20	1.08
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG12	20	1.08
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG13	20	1.08
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG11	20	1.08
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG12	20	1.08
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG13	20	1.08
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG11	20	1.08
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG12	20	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG13	20	1.08
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG11	20	1.08
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG12	20	1.08
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG13	20	1.08
(1,419)	1:56:A:ILE:H	1:133:A:PHE:HB3	7	1.08
(1,217)	1:3:A:THR:HB	1:145:A:PRO:HB2	14	1.08
(1,3287)	1:78:A:ILE:HG21	1:102:A:GLN:HG2	9	1.07
(1,3287)	1:78:A:ILE:HG21	1:102:A:GLN:HG3	9	1.07
(1,3287)	1:78:A:ILE:HG22	1:102:A:GLN:HG2	9	1.07
(1,3287)	1:78:A:ILE:HG22	1:102:A:GLN:HG3	9	1.07
(1,3287)	1:78:A:ILE:HG23	1:102:A:GLN:HG2	9	1.07
(1,3287)	1:78:A:ILE:HG23	1:102:A:GLN:HG3	9	1.07
(1,2904)	1:16:A:VAL:HG11	1:23:A:VAL:HB	2	1.07
(1,2904)	1:16:A:VAL:HG12	1:23:A:VAL:HB	2	1.07
(1,2904)	1:16:A:VAL:HG13	1:23:A:VAL:HB	2	1.07
(1,2904)	1:16:A:VAL:HG21	1:23:A:VAL:HB	2	1.07
(1,2904)	1:16:A:VAL:HG22	1:23:A:VAL:HB	2	1.07
(1,2904)	1:16:A:VAL:HG23	1:23:A:VAL:HB	2	1.07
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG11	20	1.07
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG12	20	1.07
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG13	20	1.07
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG21	20	1.07
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG22	20	1.07
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG23	20	1.07
(1,1989)	1:102:A:GLN:HB3	1:136:A:ARG:H	13	1.07
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD1	11	1.07
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD2	11	1.07
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD1	11	1.07
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD2	11	1.07
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD1	11	1.07
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD2	11	1.07
(1,949)	1:14:A:GLY:HA3	1:155:A:LYS:HA	16	1.07
(1,898)	1:86:A:LEU:H	1:101:A:VAL:HB	8	1.07
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG11	14	1.07
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG12	14	1.07
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG13	14	1.07
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG11	14	1.07
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG12	14	1.07
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG13	14	1.07
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG11	14	1.07
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG12	14	1.07
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG13	14	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG11	14	1.07
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG12	14	1.07
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG13	14	1.07
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG11	14	1.07
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG12	14	1.07
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG13	14	1.07
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG11	14	1.07
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG12	14	1.07
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG13	14	1.07
(1,577)	1:20:A:ALA:HB1	1:124:A:LEU:HB2	11	1.07
(1,577)	1:20:A:ALA:HB2	1:124:A:LEU:HB2	11	1.07
(1,577)	1:20:A:ALA:HB3	1:124:A:LEU:HB2	11	1.07
(1,419)	1:56:A:ILE:H	1:133:A:PHE:HB3	14	1.07
(1,419)	1:56:A:ILE:H	1:133:A:PHE:HB3	15	1.07
(1,217)	1:3:A:THR:HB	1:145:A:PRO:HB2	20	1.07
(1,3287)	1:78:A:ILE:HG21	1:102:A:GLN:HG2	5	1.06
(1,3287)	1:78:A:ILE:HG21	1:102:A:GLN:HG3	5	1.06
(1,3287)	1:78:A:ILE:HG22	1:102:A:GLN:HG2	5	1.06
(1,3287)	1:78:A:ILE:HG22	1:102:A:GLN:HG3	5	1.06
(1,3287)	1:78:A:ILE:HG23	1:102:A:GLN:HG2	5	1.06
(1,3287)	1:78:A:ILE:HG23	1:102:A:GLN:HG3	5	1.06
(1,2904)	1:16:A:VAL:HG11	1:23:A:VAL:HB	7	1.06
(1,2904)	1:16:A:VAL:HG12	1:23:A:VAL:HB	7	1.06
(1,2904)	1:16:A:VAL:HG13	1:23:A:VAL:HB	7	1.06
(1,2904)	1:16:A:VAL:HG21	1:23:A:VAL:HB	7	1.06
(1,2904)	1:16:A:VAL:HG22	1:23:A:VAL:HB	7	1.06
(1,2904)	1:16:A:VAL:HG23	1:23:A:VAL:HB	7	1.06
(1,2904)	1:16:A:VAL:HG11	1:23:A:VAL:HB	9	1.06
(1,2904)	1:16:A:VAL:HG12	1:23:A:VAL:HB	9	1.06
(1,2904)	1:16:A:VAL:HG13	1:23:A:VAL:HB	9	1.06
(1,2904)	1:16:A:VAL:HG21	1:23:A:VAL:HB	9	1.06
(1,2904)	1:16:A:VAL:HG22	1:23:A:VAL:HB	9	1.06
(1,2904)	1:16:A:VAL:HG23	1:23:A:VAL:HB	9	1.06
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG11	11	1.06
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG12	11	1.06
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG13	11	1.06
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG21	11	1.06
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG22	11	1.06
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG23	11	1.06
(1,2854)	1:10:A:VAL:HG11	1:32:A:VAL:HB	6	1.06
(1,2854)	1:10:A:VAL:HG12	1:32:A:VAL:HB	6	1.06
(1,2854)	1:10:A:VAL:HG13	1:32:A:VAL:HB	6	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2854)	1:10:A:VAL:HG21	1:32:A:VAL:HB	6	1.06
(1,2854)	1:10:A:VAL:HG22	1:32:A:VAL:HB	6	1.06
(1,2854)	1:10:A:VAL:HG23	1:32:A:VAL:HB	6	1.06
(1,2854)	1:10:A:VAL:HG11	1:32:A:VAL:HB	10	1.06
(1,2854)	1:10:A:VAL:HG12	1:32:A:VAL:HB	10	1.06
(1,2854)	1:10:A:VAL:HG13	1:32:A:VAL:HB	10	1.06
(1,2854)	1:10:A:VAL:HG21	1:32:A:VAL:HB	10	1.06
(1,2854)	1:10:A:VAL:HG22	1:32:A:VAL:HB	10	1.06
(1,2854)	1:10:A:VAL:HG23	1:32:A:VAL:HB	10	1.06
(1,1989)	1:102:A:GLN:HB3	1:136:A:ARG:H	9	1.06
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB1	7	1.06
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB2	7	1.06
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB3	7	1.06
(1,1441)	1:102:A:GLN:HB3	1:136:A:ARG:HE	3	1.06
(1,1408)	1:8:A:GLY:HA2	1:34:A:LEU:HB3	1	1.06
(1,1408)	1:8:A:GLY:HA2	1:34:A:LEU:HB3	19	1.06
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG21	20	1.06
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG22	20	1.06
(1,1074)	1:154:A:PHE:HD1	1:156:A:VAL:HG23	20	1.06
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG21	20	1.06
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG22	20	1.06
(1,1074)	1:154:A:PHE:HD2	1:156:A:VAL:HG23	20	1.06
(1,898)	1:86:A:LEU:H	1:101:A:VAL:HB	6	1.06
(1,898)	1:86:A:LEU:H	1:101:A:VAL:HB	11	1.06
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG11	4	1.06
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG12	4	1.06
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG13	4	1.06
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG11	4	1.06
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG12	4	1.06
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG13	4	1.06
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG11	4	1.06
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG12	4	1.06
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG13	4	1.06
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG11	4	1.06
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG12	4	1.06
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG13	4	1.06
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG11	4	1.06
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG12	4	1.06
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG13	4	1.06
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG11	4	1.06
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG12	4	1.06
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG13	4	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG11	17	1.06
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG12	17	1.06
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG13	17	1.06
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG11	17	1.06
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG12	17	1.06
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG13	17	1.06
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG11	17	1.06
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG12	17	1.06
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG13	17	1.06
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG11	17	1.06
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG12	17	1.06
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG13	17	1.06
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG11	17	1.06
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG12	17	1.06
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG13	17	1.06
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG11	17	1.06
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG12	17	1.06
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG13	17	1.06
(1,419)	1:56:A:ILE:H	1:133:A:PHE:HB3	8	1.06
(1,217)	1:3:A:THR:HB	1:145:A:PRO:HB2	6	1.06
(1,3287)	1:78:A:ILE:HG21	1:102:A:GLN:HG2	7	1.05
(1,3287)	1:78:A:ILE:HG21	1:102:A:GLN:HG3	7	1.05
(1,3287)	1:78:A:ILE:HG22	1:102:A:GLN:HG2	7	1.05
(1,3287)	1:78:A:ILE:HG22	1:102:A:GLN:HG3	7	1.05
(1,3287)	1:78:A:ILE:HG23	1:102:A:GLN:HG2	7	1.05
(1,3287)	1:78:A:ILE:HG23	1:102:A:GLN:HG3	7	1.05
(1,2976)	1:27:A:SER:HB2	1:28:A:VAL:HB	13	1.05
(1,2976)	1:27:A:SER:HB3	1:28:A:VAL:HB	13	1.05
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG11	8	1.05
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG12	8	1.05
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG13	8	1.05
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG21	8	1.05
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG22	8	1.05
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG23	8	1.05
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG21	17	1.05
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG22	17	1.05
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG23	17	1.05
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG21	17	1.05
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG22	17	1.05
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG23	17	1.05
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG21	17	1.05
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG22	17	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG23	17	1.05
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB1	6	1.05
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB2	6	1.05
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB3	6	1.05
(1,1669)	1:28:A:VAL:HG11	1:29:A:ASP:HB3	2	1.05
(1,1669)	1:28:A:VAL:HG12	1:29:A:ASP:HB3	2	1.05
(1,1669)	1:28:A:VAL:HG13	1:29:A:ASP:HB3	2	1.05
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD1	9	1.05
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD2	9	1.05
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD1	9	1.05
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD2	9	1.05
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD1	9	1.05
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD2	9	1.05
(1,1640)	1:18:A:ASN:HD21	1:19:A:ALA:H	3	1.05
(1,1613)	1:14:A:GLY:H	1:154:A:PHE:H	7	1.05
(1,1436)	1:101:A:VAL:HG21	1:150:A:ALA:H	20	1.05
(1,1436)	1:101:A:VAL:HG22	1:150:A:ALA:H	20	1.05
(1,1436)	1:101:A:VAL:HG23	1:150:A:ALA:H	20	1.05
(1,898)	1:86:A:LEU:H	1:101:A:VAL:HB	5	1.05
(1,898)	1:86:A:LEU:H	1:101:A:VAL:HB	12	1.05
(1,898)	1:86:A:LEU:H	1:101:A:VAL:HB	15	1.05
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG21	3	1.05
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG22	3	1.05
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG23	3	1.05
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG21	7	1.05
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG22	7	1.05
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG23	7	1.05
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG11	15	1.05
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG12	15	1.05
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG13	15	1.05
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG11	15	1.05
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG12	15	1.05
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG13	15	1.05
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG11	15	1.05
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG12	15	1.05
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG13	15	1.05
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG11	15	1.05
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG12	15	1.05
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG13	15	1.05
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG11	15	1.05
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG12	15	1.05
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG13	15	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG11	15	1.05
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG12	15	1.05
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG13	15	1.05
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG21	7	1.05
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG22	7	1.05
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG23	7	1.05
(1,2976)	1:27:A:SER:HB2	1:28:A:VAL:HB	16	1.04
(1,2976)	1:27:A:SER:HB3	1:28:A:VAL:HB	16	1.04
(1,2904)	1:16:A:VAL:HG11	1:23:A:VAL:HB	4	1.04
(1,2904)	1:16:A:VAL:HG12	1:23:A:VAL:HB	4	1.04
(1,2904)	1:16:A:VAL:HG13	1:23:A:VAL:HB	4	1.04
(1,2904)	1:16:A:VAL:HG21	1:23:A:VAL:HB	4	1.04
(1,2904)	1:16:A:VAL:HG22	1:23:A:VAL:HB	4	1.04
(1,2904)	1:16:A:VAL:HG23	1:23:A:VAL:HB	4	1.04
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG11	4	1.04
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG12	4	1.04
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG13	4	1.04
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG21	4	1.04
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG22	4	1.04
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG23	4	1.04
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD1	7	1.04
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD2	7	1.04
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD1	7	1.04
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD2	7	1.04
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD1	7	1.04
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD2	7	1.04
(1,1640)	1:18:A:ASN:HD21	1:19:A:ALA:H	1	1.04
(1,1408)	1:8:A:GLY:HA2	1:34:A:LEU:HB3	11	1.04
(1,1198)	1:10:A:VAL:HB	1:150:A:ALA:H	5	1.04
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB2	20	1.04
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB3	20	1.04
(1,898)	1:86:A:LEU:H	1:101:A:VAL:HB	20	1.04
(1,861)	1:48:A:THR:HG21	1:136:A:ARG:HE	17	1.04
(1,861)	1:48:A:THR:HG22	1:136:A:ARG:HE	17	1.04
(1,861)	1:48:A:THR:HG23	1:136:A:ARG:HE	17	1.04
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG21	18	1.04
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG22	18	1.04
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG23	18	1.04
(1,577)	1:20:A:ALA:HB1	1:124:A:LEU:HB2	19	1.04
(1,577)	1:20:A:ALA:HB2	1:124:A:LEU:HB2	19	1.04
(1,577)	1:20:A:ALA:HB3	1:124:A:LEU:HB2	19	1.04
(1,2976)	1:27:A:SER:HB2	1:28:A:VAL:HB	19	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2976)	1:27:A:SER:HB3	1:28:A:VAL:HB	19	1.03
(1,2904)	1:16:A:VAL:HG11	1:23:A:VAL:HB	3	1.03
(1,2904)	1:16:A:VAL:HG12	1:23:A:VAL:HB	3	1.03
(1,2904)	1:16:A:VAL:HG13	1:23:A:VAL:HB	3	1.03
(1,2904)	1:16:A:VAL:HG21	1:23:A:VAL:HB	3	1.03
(1,2904)	1:16:A:VAL:HG22	1:23:A:VAL:HB	3	1.03
(1,2904)	1:16:A:VAL:HG23	1:23:A:VAL:HB	3	1.03
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG11	18	1.03
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG12	18	1.03
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG13	18	1.03
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG21	18	1.03
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG22	18	1.03
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG23	18	1.03
(1,2854)	1:10:A:VAL:HG11	1:32:A:VAL:HB	13	1.03
(1,2854)	1:10:A:VAL:HG12	1:32:A:VAL:HB	13	1.03
(1,2854)	1:10:A:VAL:HG13	1:32:A:VAL:HB	13	1.03
(1,2854)	1:10:A:VAL:HG21	1:32:A:VAL:HB	13	1.03
(1,2854)	1:10:A:VAL:HG22	1:32:A:VAL:HB	13	1.03
(1,2854)	1:10:A:VAL:HG23	1:32:A:VAL:HB	13	1.03
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG21	2	1.03
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG22	2	1.03
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG23	2	1.03
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG21	2	1.03
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG22	2	1.03
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG23	2	1.03
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG21	2	1.03
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG22	2	1.03
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG23	2	1.03
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD1	6	1.03
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD2	6	1.03
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD1	6	1.03
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD2	6	1.03
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD1	6	1.03
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD2	6	1.03
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB1	3	1.03
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB2	3	1.03
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB3	3	1.03
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB1	3	1.03
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB2	3	1.03
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB3	3	1.03
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB1	3	1.03
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB2	3	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB3	3	1.03
(1,1436)	1:101:A:VAL:HG21	1:150:A:ALA:H	11	1.03
(1,1436)	1:101:A:VAL:HG22	1:150:A:ALA:H	11	1.03
(1,1436)	1:101:A:VAL:HG23	1:150:A:ALA:H	11	1.03
(1,1408)	1:8:A:GLY:HA2	1:34:A:LEU:HB3	14	1.03
(1,898)	1:86:A:LEU:H	1:101:A:VAL:HB	4	1.03
(1,878)	1:67:A:SER:H	1:159:A:GLN:H	20	1.03
(1,351)	1:92:A:ALA:HA	1:95:A:SER:HB2	11	1.03
(1,351)	1:92:A:ALA:HA	1:95:A:SER:HB3	11	1.03
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG21	15	1.03
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG22	15	1.03
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG23	15	1.03
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB1	9	1.03
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB2	9	1.03
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB3	9	1.03
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB1	9	1.03
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB2	9	1.03
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB3	9	1.03
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB1	9	1.03
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB2	9	1.03
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB3	9	1.03
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG11	6	1.02
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG12	6	1.02
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG13	6	1.02
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG21	6	1.02
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG22	6	1.02
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG23	6	1.02
(1,1989)	1:102:A:GLN:HB3	1:136:A:ARG:H	7	1.02
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD1	16	1.02
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD2	16	1.02
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD1	16	1.02
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD2	16	1.02
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD1	16	1.02
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD2	16	1.02
(1,577)	1:20:A:ALA:HB1	1:124:A:LEU:HB2	14	1.02
(1,577)	1:20:A:ALA:HB2	1:124:A:LEU:HB2	14	1.02
(1,577)	1:20:A:ALA:HB3	1:124:A:LEU:HB2	14	1.02
(1,217)	1:3:A:THR:HB	1:145:A:PRO:HB2	5	1.02
(1,2976)	1:27:A:SER:HB2	1:28:A:VAL:HB	8	1.01
(1,2976)	1:27:A:SER:HB3	1:28:A:VAL:HB	8	1.01
(1,2904)	1:16:A:VAL:HG11	1:23:A:VAL:HB	14	1.01
(1,2904)	1:16:A:VAL:HG12	1:23:A:VAL:HB	14	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2904)	1:16:A:VAL:HG13	1:23:A:VAL:HB	14	1.01
(1,2904)	1:16:A:VAL:HG21	1:23:A:VAL:HB	14	1.01
(1,2904)	1:16:A:VAL:HG22	1:23:A:VAL:HB	14	1.01
(1,2904)	1:16:A:VAL:HG23	1:23:A:VAL:HB	14	1.01
(1,2904)	1:16:A:VAL:HG11	1:23:A:VAL:HB	16	1.01
(1,2904)	1:16:A:VAL:HG12	1:23:A:VAL:HB	16	1.01
(1,2904)	1:16:A:VAL:HG13	1:23:A:VAL:HB	16	1.01
(1,2904)	1:16:A:VAL:HG21	1:23:A:VAL:HB	16	1.01
(1,2904)	1:16:A:VAL:HG22	1:23:A:VAL:HB	16	1.01
(1,2904)	1:16:A:VAL:HG23	1:23:A:VAL:HB	16	1.01
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG11	1	1.01
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG12	1	1.01
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG13	1	1.01
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG21	1	1.01
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG22	1	1.01
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG23	1	1.01
(1,1613)	1:14:A:GLY:H	1:154:A:PHE:H	15	1.01
(1,1198)	1:10:A:VAL:HB	1:150:A:ALA:H	14	1.01
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB2	5	1.01
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB3	5	1.01
(1,861)	1:48:A:THR:HG21	1:136:A:ARG:HE	8	1.01
(1,861)	1:48:A:THR:HG22	1:136:A:ARG:HE	8	1.01
(1,861)	1:48:A:THR:HG23	1:136:A:ARG:HE	8	1.01
(1,861)	1:48:A:THR:HG21	1:136:A:ARG:HE	12	1.01
(1,861)	1:48:A:THR:HG22	1:136:A:ARG:HE	12	1.01
(1,861)	1:48:A:THR:HG23	1:136:A:ARG:HE	12	1.01
(1,838)	1:19:A:ALA:HB1	1:158:A:TYR:H	16	1.01
(1,838)	1:19:A:ALA:HB2	1:158:A:TYR:H	16	1.01
(1,838)	1:19:A:ALA:HB3	1:158:A:TYR:H	16	1.01
(1,782)	1:97:A:THR:HA	1:99:A:VAL:HB	12	1.01
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG11	1	1.01
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG12	1	1.01
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG13	1	1.01
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG11	1	1.01
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG12	1	1.01
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG13	1	1.01
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG11	1	1.01
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG12	1	1.01
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG13	1	1.01
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG11	1	1.01
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG12	1	1.01
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG13	1	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG11	1	1.01
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG12	1	1.01
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG13	1	1.01
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG11	1	1.01
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG12	1	1.01
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG13	1	1.01
(1,577)	1:20:A:ALA:HB1	1:124:A:LEU:HB2	12	1.01
(1,577)	1:20:A:ALA:HB2	1:124:A:LEU:HB2	12	1.01
(1,577)	1:20:A:ALA:HB3	1:124:A:LEU:HB2	12	1.01
(1,577)	1:20:A:ALA:HB1	1:124:A:LEU:HB2	20	1.01
(1,577)	1:20:A:ALA:HB2	1:124:A:LEU:HB2	20	1.01
(1,577)	1:20:A:ALA:HB3	1:124:A:LEU:HB2	20	1.01
(1,403)	1:102:A:GLN:HB2	1:136:A:ARG:H	7	1.01
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG21	10	1.01
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG22	10	1.01
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG23	10	1.01
(1,217)	1:3:A:THR:HB	1:145:A:PRO:HB2	8	1.01
(1,2904)	1:16:A:VAL:HG11	1:23:A:VAL:HB	20	1.0
(1,2904)	1:16:A:VAL:HG12	1:23:A:VAL:HB	20	1.0
(1,2904)	1:16:A:VAL:HG13	1:23:A:VAL:HB	20	1.0
(1,2904)	1:16:A:VAL:HG21	1:23:A:VAL:HB	20	1.0
(1,2904)	1:16:A:VAL:HG22	1:23:A:VAL:HB	20	1.0
(1,2904)	1:16:A:VAL:HG23	1:23:A:VAL:HB	20	1.0
(1,1628)	1:156:A:VAL:HG11	1:157:A:GLN:HA	20	1.0
(1,1628)	1:156:A:VAL:HG12	1:157:A:GLN:HA	20	1.0
(1,1628)	1:156:A:VAL:HG13	1:157:A:GLN:HA	20	1.0
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB1	2	1.0
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB2	2	1.0
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB3	2	1.0
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB1	2	1.0
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB2	2	1.0
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB3	2	1.0
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB1	2	1.0
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB2	2	1.0
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB3	2	1.0
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB1	18	1.0
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB2	18	1.0
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB3	18	1.0
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB1	18	1.0
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB2	18	1.0
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB3	18	1.0
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB1	18	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB2	18	1.0
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB3	18	1.0
(1,1436)	1:101:A:VAL:HG21	1:150:A:ALA:H	1	1.0
(1,1436)	1:101:A:VAL:HG22	1:150:A:ALA:H	1	1.0
(1,1436)	1:101:A:VAL:HG23	1:150:A:ALA:H	1	1.0
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB2	12	1.0
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB3	12	1.0
(1,898)	1:86:A:LEU:H	1:101:A:VAL:HB	9	1.0
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG11	13	1.0
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG12	13	1.0
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG13	13	1.0
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG11	13	1.0
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG12	13	1.0
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG13	13	1.0
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG11	13	1.0
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG12	13	1.0
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG13	13	1.0
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG11	13	1.0
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG12	13	1.0
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG13	13	1.0
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG11	13	1.0
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG12	13	1.0
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG13	13	1.0
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG11	13	1.0
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG12	13	1.0
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG13	13	1.0
(1,419)	1:56:A:ILE:H	1:133:A:PHE:HB3	2	1.0
(1,217)	1:3:A:THR:HB	1:145:A:PRO:HB2	16	1.0
(1,8)	1:13:A:LYS:HD2	1:153:A:THR:HG21	1	1.0
(1,8)	1:13:A:LYS:HD2	1:153:A:THR:HG22	1	1.0
(1,8)	1:13:A:LYS:HD2	1:153:A:THR:HG23	1	1.0
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB1	12	0.99
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB2	12	0.99
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB3	12	0.99
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB1	12	0.99
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB2	12	0.99
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB3	12	0.99
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB1	12	0.99
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB2	12	0.99
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB3	12	0.99
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB1	12	0.99
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB2	12	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB3	12	0.99
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB1	12	0.99
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB2	12	0.99
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB3	12	0.99
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB1	12	0.99
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB2	12	0.99
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB3	12	0.99
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB1	15	0.99
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB2	15	0.99
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB3	15	0.99
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB1	15	0.99
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB2	15	0.99
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB3	15	0.99
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB1	15	0.99
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB2	15	0.99
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB3	15	0.99
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB1	15	0.99
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB2	15	0.99
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB3	15	0.99
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB1	15	0.99
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB2	15	0.99
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB3	15	0.99
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB1	15	0.99
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB2	15	0.99
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB3	15	0.99
(1,2976)	1:27:A:SER:HB2	1:28:A:VAL:HB	11	0.99
(1,2976)	1:27:A:SER:HB3	1:28:A:VAL:HB	11	0.99
(1,2976)	1:27:A:SER:HB2	1:28:A:VAL:HB	17	0.99
(1,2976)	1:27:A:SER:HB3	1:28:A:VAL:HB	17	0.99
(1,2904)	1:16:A:VAL:HG11	1:23:A:VAL:HB	1	0.99
(1,2904)	1:16:A:VAL:HG12	1:23:A:VAL:HB	1	0.99
(1,2904)	1:16:A:VAL:HG13	1:23:A:VAL:HB	1	0.99
(1,2904)	1:16:A:VAL:HG21	1:23:A:VAL:HB	1	0.99
(1,2904)	1:16:A:VAL:HG22	1:23:A:VAL:HB	1	0.99
(1,2904)	1:16:A:VAL:HG23	1:23:A:VAL:HB	1	0.99
(1,2904)	1:16:A:VAL:HG11	1:23:A:VAL:HB	8	0.99
(1,2904)	1:16:A:VAL:HG12	1:23:A:VAL:HB	8	0.99
(1,2904)	1:16:A:VAL:HG13	1:23:A:VAL:HB	8	0.99
(1,2904)	1:16:A:VAL:HG21	1:23:A:VAL:HB	8	0.99
(1,2904)	1:16:A:VAL:HG22	1:23:A:VAL:HB	8	0.99
(1,2904)	1:16:A:VAL:HG23	1:23:A:VAL:HB	8	0.99
(1,2240)	1:20:A:ALA:HA	1:65:A:VAL:HB	5	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB1	9	0.99
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB2	9	0.99
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB3	9	0.99
(1,1681)	1:32:A:VAL:HG11	1:52:A:VAL:HB	9	0.99
(1,1681)	1:32:A:VAL:HG12	1:52:A:VAL:HB	9	0.99
(1,1681)	1:32:A:VAL:HG13	1:52:A:VAL:HB	9	0.99
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD1	8	0.99
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD2	8	0.99
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD1	8	0.99
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD2	8	0.99
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD1	8	0.99
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD2	8	0.99
(1,1628)	1:156:A:VAL:HG11	1:157:A:GLN:HA	9	0.99
(1,1628)	1:156:A:VAL:HG12	1:157:A:GLN:HA	9	0.99
(1,1628)	1:156:A:VAL:HG13	1:157:A:GLN:HA	9	0.99
(1,1436)	1:101:A:VAL:HG21	1:150:A:ALA:H	8	0.99
(1,1436)	1:101:A:VAL:HG22	1:150:A:ALA:H	8	0.99
(1,1436)	1:101:A:VAL:HG23	1:150:A:ALA:H	8	0.99
(1,1408)	1:8:A:GLY:HA2	1:34:A:LEU:HB3	2	0.99
(1,1408)	1:8:A:GLY:HA2	1:34:A:LEU:HB3	3	0.99
(1,1408)	1:8:A:GLY:HA2	1:34:A:LEU:HB3	9	0.99
(1,1408)	1:8:A:GLY:HA2	1:34:A:LEU:HB3	10	0.99
(1,1198)	1:10:A:VAL:HB	1:150:A:ALA:H	4	0.99
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG21	6	0.99
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG22	6	0.99
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG23	6	0.99
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB1	20	0.99
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB2	20	0.99
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB3	20	0.99
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB1	6	0.99
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB2	6	0.99
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB3	6	0.99
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB1	6	0.99
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB2	6	0.99
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB3	6	0.99
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB1	6	0.99
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB2	6	0.99
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB3	6	0.99
(1,2977)	1:27:A:SER:HB2	1:30:A:GLN:HG2	7	0.98
(1,2977)	1:27:A:SER:HB3	1:30:A:GLN:HG2	7	0.98
(1,2904)	1:16:A:VAL:HG11	1:23:A:VAL:HB	6	0.98
(1,2904)	1:16:A:VAL:HG12	1:23:A:VAL:HB	6	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2904)	1:16:A:VAL:HG13	1:23:A:VAL:HB	6	0.98
(1,2904)	1:16:A:VAL:HG21	1:23:A:VAL:HB	6	0.98
(1,2904)	1:16:A:VAL:HG22	1:23:A:VAL:HB	6	0.98
(1,2904)	1:16:A:VAL:HG23	1:23:A:VAL:HB	6	0.98
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG11	2	0.98
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG12	2	0.98
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG13	2	0.98
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG21	2	0.98
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG22	2	0.98
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG23	2	0.98
(1,1628)	1:156:A:VAL:HG11	1:157:A:GLN:HA	15	0.98
(1,1628)	1:156:A:VAL:HG12	1:157:A:GLN:HA	15	0.98
(1,1628)	1:156:A:VAL:HG13	1:157:A:GLN:HA	15	0.98
(1,1613)	1:14:A:GLY:H	1:154:A:PHE:H	19	0.98
(1,878)	1:67:A:SER:H	1:159:A:GLN:H	2	0.98
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG21	9	0.98
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG22	9	0.98
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG23	9	0.98
(1,772)	1:86:A:LEU:HB2	1:101:A:VAL:HB	19	0.98
(1,772)	1:86:A:LEU:HB3	1:101:A:VAL:HB	19	0.98
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG11	3	0.98
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG12	3	0.98
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG13	3	0.98
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG11	3	0.98
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG12	3	0.98
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG13	3	0.98
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG11	3	0.98
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG12	3	0.98
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG13	3	0.98
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG11	3	0.98
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG12	3	0.98
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG13	3	0.98
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG11	3	0.98
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG12	3	0.98
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG13	3	0.98
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG11	3	0.98
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG12	3	0.98
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG13	3	0.98
(1,419)	1:56:A:ILE:H	1:133:A:PHE:HB3	5	0.98
(1,409)	1:158:A:TYR:HB3	1:159:A:GLN:H	12	0.98
(1,229)	1:22:A:ALA:HA	1:58:A:LEU:HB3	20	0.98
(1,88)	1:115:A:GLY:HA2	1:155:A:LYS:HE2	11	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,88)	1:115:A:GLY:HA2	1:155:A:LYS:HE3	11	0.98
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG21	4	0.98
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG22	4	0.98
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG23	4	0.98
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB1	19	0.97
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB2	19	0.97
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB3	19	0.97
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB1	19	0.97
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB2	19	0.97
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB3	19	0.97
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB1	19	0.97
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB2	19	0.97
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB3	19	0.97
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB1	19	0.97
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB2	19	0.97
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB3	19	0.97
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB1	19	0.97
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB2	19	0.97
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB3	19	0.97
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB1	19	0.97
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB2	19	0.97
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB3	19	0.97
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG11	3	0.97
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG12	3	0.97
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG13	3	0.97
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG11	3	0.97
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG12	3	0.97
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG13	3	0.97
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG11	3	0.97
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG12	3	0.97
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG13	3	0.97
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD1	3	0.97
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD2	3	0.97
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD1	3	0.97
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD2	3	0.97
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD1	3	0.97
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD2	3	0.97
(1,1630)	1:157:A:GLN:HA	1:158:A:TYR:HB2	15	0.97
(1,1628)	1:156:A:VAL:HG11	1:157:A:GLN:HA	19	0.97
(1,1628)	1:156:A:VAL:HG12	1:157:A:GLN:HA	19	0.97
(1,1628)	1:156:A:VAL:HG13	1:157:A:GLN:HA	19	0.97
(1,1613)	1:14:A:GLY:H	1:154:A:PHE:H	4	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1408)	1:8:A:GLY:HA2	1:34:A:LEU:HB3	13	0.97
(1,1198)	1:10:A:VAL:HB	1:150:A:ALA:H	2	0.97
(1,1198)	1:10:A:VAL:HB	1:150:A:ALA:H	9	0.97
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG21	14	0.97
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG22	14	0.97
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG23	14	0.97
(1,838)	1:19:A:ALA:HB1	1:158:A:TYR:H	5	0.97
(1,838)	1:19:A:ALA:HB2	1:158:A:TYR:H	5	0.97
(1,838)	1:19:A:ALA:HB3	1:158:A:TYR:H	5	0.97
(1,838)	1:19:A:ALA:HB1	1:158:A:TYR:H	13	0.97
(1,838)	1:19:A:ALA:HB2	1:158:A:TYR:H	13	0.97
(1,838)	1:19:A:ALA:HB3	1:158:A:TYR:H	13	0.97
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG21	11	0.97
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG22	11	0.97
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG23	11	0.97
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB1	11	0.97
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB2	11	0.97
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB3	11	0.97
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB1	11	0.97
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB2	11	0.97
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB3	11	0.97
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB1	11	0.97
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB2	11	0.97
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB3	11	0.97
(1,2976)	1:27:A:SER:HB2	1:28:A:VAL:HB	3	0.96
(1,2976)	1:27:A:SER:HB3	1:28:A:VAL:HB	3	0.96
(1,2976)	1:27:A:SER:HB2	1:28:A:VAL:HB	9	0.96
(1,2976)	1:27:A:SER:HB3	1:28:A:VAL:HB	9	0.96
(1,2226)	1:16:A:VAL:HA	1:156:A:VAL:H	20	0.96
(1,1640)	1:18:A:ASN:HD21	1:19:A:ALA:H	15	0.96
(1,1630)	1:157:A:GLN:HA	1:158:A:TYR:HB2	2	0.96
(1,1628)	1:156:A:VAL:HG11	1:157:A:GLN:HA	17	0.96
(1,1628)	1:156:A:VAL:HG12	1:157:A:GLN:HA	17	0.96
(1,1628)	1:156:A:VAL:HG13	1:157:A:GLN:HA	17	0.96
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB1	15	0.96
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB2	15	0.96
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB3	15	0.96
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB1	15	0.96
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB2	15	0.96
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB3	15	0.96
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB1	15	0.96
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB2	15	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB3	15	0.96
(1,1436)	1:101:A:VAL:HG21	1:150:A:ALA:H	17	0.96
(1,1436)	1:101:A:VAL:HG22	1:150:A:ALA:H	17	0.96
(1,1436)	1:101:A:VAL:HG23	1:150:A:ALA:H	17	0.96
(1,1198)	1:10:A:VAL:HB	1:150:A:ALA:H	3	0.96
(1,1198)	1:10:A:VAL:HB	1:150:A:ALA:H	18	0.96
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG21	13	0.96
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG22	13	0.96
(1,940)	1:12:A:PHE:HD1	1:32:A:VAL:HG23	13	0.96
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG21	13	0.96
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG22	13	0.96
(1,940)	1:12:A:PHE:HD2	1:32:A:VAL:HG23	13	0.96
(1,772)	1:86:A:LEU:HB2	1:101:A:VAL:HB	17	0.96
(1,772)	1:86:A:LEU:HB3	1:101:A:VAL:HB	17	0.96
(1,419)	1:56:A:ILE:H	1:133:A:PHE:HB3	6	0.96
(1,419)	1:56:A:ILE:H	1:133:A:PHE:HB3	12	0.96
(1,63)	1:20:A:ALA:HB1	1:63:A:THR:H	20	0.96
(1,63)	1:20:A:ALA:HB2	1:63:A:THR:H	20	0.96
(1,63)	1:20:A:ALA:HB3	1:63:A:THR:H	20	0.96
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG21	2	0.96
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG22	2	0.96
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG23	2	0.96
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG21	10	0.96
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG22	10	0.96
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG23	10	0.96
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD2	11	0.96
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD3	11	0.96
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD2	11	0.96
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD3	11	0.96
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD2	11	0.96
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD3	11	0.96
(1,2976)	1:27:A:SER:HB2	1:28:A:VAL:HB	2	0.95
(1,2976)	1:27:A:SER:HB3	1:28:A:VAL:HB	2	0.95
(1,2976)	1:27:A:SER:HB2	1:28:A:VAL:HB	4	0.95
(1,2976)	1:27:A:SER:HB3	1:28:A:VAL:HB	4	0.95
(1,2976)	1:27:A:SER:HB2	1:28:A:VAL:HB	6	0.95
(1,2976)	1:27:A:SER:HB3	1:28:A:VAL:HB	6	0.95
(1,2976)	1:27:A:SER:HB2	1:28:A:VAL:HB	12	0.95
(1,2976)	1:27:A:SER:HB3	1:28:A:VAL:HB	12	0.95
(1,2854)	1:10:A:VAL:HG11	1:32:A:VAL:HB	1	0.95
(1,2854)	1:10:A:VAL:HG12	1:32:A:VAL:HB	1	0.95
(1,2854)	1:10:A:VAL:HG13	1:32:A:VAL:HB	1	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2854)	1:10:A:VAL:HG21	1:32:A:VAL:HB	1	0.95
(1,2854)	1:10:A:VAL:HG22	1:32:A:VAL:HB	1	0.95
(1,2854)	1:10:A:VAL:HG23	1:32:A:VAL:HB	1	0.95
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG11	4	0.95
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG12	4	0.95
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG13	4	0.95
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG11	4	0.95
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG12	4	0.95
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG13	4	0.95
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG11	4	0.95
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG12	4	0.95
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG13	4	0.95
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD1	1	0.95
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD2	1	0.95
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD1	1	0.95
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD2	1	0.95
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD1	1	0.95
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD2	1	0.95
(1,1630)	1:157:A:GLN:HA	1:158:A:TYR:HB2	20	0.95
(1,1563)	1:12:A:PHE:HB3	1:14:A:GLY:H	3	0.95
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB1	16	0.95
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB2	16	0.95
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB3	16	0.95
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB1	16	0.95
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB2	16	0.95
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB3	16	0.95
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB1	16	0.95
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB2	16	0.95
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB3	16	0.95
(1,1198)	1:10:A:VAL:HB	1:150:A:ALA:H	8	0.95
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG21	11	0.95
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG22	11	0.95
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG23	11	0.95
(1,866)	1:56:A:ILE:H	1:133:A:PHE:HB2	3	0.95
(1,772)	1:86:A:LEU:HB2	1:101:A:VAL:HB	2	0.95
(1,772)	1:86:A:LEU:HB3	1:101:A:VAL:HB	2	0.95
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG11	12	0.95
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG12	12	0.95
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG13	12	0.95
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG11	12	0.95
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG12	12	0.95
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG13	12	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG11	12	0.95
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG12	12	0.95
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG13	12	0.95
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG11	12	0.95
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG12	12	0.95
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG13	12	0.95
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG11	12	0.95
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG12	12	0.95
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG13	12	0.95
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG11	12	0.95
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG12	12	0.95
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG13	12	0.95
(1,409)	1:158:A:TYR:HB3	1:159:A:GLN:H	16	0.95
(1,217)	1:3:A:THR:HB	1:145:A:PRO:HB2	18	0.95
(1,79)	1:125:A:ASN:HD21	1:129:A:ASN:HD22	13	0.95
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG21	9	0.95
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG22	9	0.95
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG23	9	0.95
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB1	16	0.95
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB2	16	0.95
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB3	16	0.95
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB1	16	0.95
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB2	16	0.95
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB3	16	0.95
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB1	16	0.95
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB2	16	0.95
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB3	16	0.95
(1,2226)	1:16:A:VAL:HA	1:156:A:VAL:H	17	0.94
(1,2041)	1:10:A:VAL:H	1:32:A:VAL:HB	16	0.94
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD1	5	0.94
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD2	5	0.94
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD1	5	0.94
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD2	5	0.94
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD1	5	0.94
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD2	5	0.94
(1,1630)	1:157:A:GLN:HA	1:158:A:TYR:HB2	13	0.94
(1,1628)	1:156:A:VAL:HG11	1:157:A:GLN:HA	8	0.94
(1,1628)	1:156:A:VAL:HG12	1:157:A:GLN:HA	8	0.94
(1,1628)	1:156:A:VAL:HG13	1:157:A:GLN:HA	8	0.94
(1,1408)	1:8:A:GLY:HA2	1:34:A:LEU:HB3	5	0.94
(1,1198)	1:10:A:VAL:HB	1:150:A:ALA:H	6	0.94
(1,1198)	1:10:A:VAL:HB	1:150:A:ALA:H	11	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG21	9	0.94
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG22	9	0.94
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG23	9	0.94
(1,549)	1:74:A:LEU:HD21	1:155:A:LYS:HE2	4	0.94
(1,549)	1:74:A:LEU:HD21	1:155:A:LYS:HE3	4	0.94
(1,549)	1:74:A:LEU:HD22	1:155:A:LYS:HE2	4	0.94
(1,549)	1:74:A:LEU:HD22	1:155:A:LYS:HE3	4	0.94
(1,549)	1:74:A:LEU:HD23	1:155:A:LYS:HE2	4	0.94
(1,549)	1:74:A:LEU:HD23	1:155:A:LYS:HE3	4	0.94
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB1	17	0.94
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB2	17	0.94
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB3	17	0.94
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB1	3	0.94
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB2	3	0.94
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB3	3	0.94
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB1	4	0.94
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB2	4	0.94
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB3	4	0.94
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB1	4	0.94
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB2	4	0.94
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB3	4	0.94
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB1	4	0.94
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB2	4	0.94
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB3	4	0.94
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB1	12	0.94
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB2	12	0.94
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB3	12	0.94
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB1	12	0.94
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB2	12	0.94
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB3	12	0.94
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB1	12	0.94
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB2	12	0.94
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB3	12	0.94
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG11	6	0.93
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG12	6	0.93
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG13	6	0.93
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG11	6	0.93
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG12	6	0.93
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG13	6	0.93
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG11	6	0.93
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG12	6	0.93
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG13	6	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG11	9	0.93
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG12	9	0.93
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG13	9	0.93
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG11	9	0.93
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG12	9	0.93
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG13	9	0.93
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG11	9	0.93
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG12	9	0.93
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG13	9	0.93
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG11	14	0.93
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG12	14	0.93
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG13	14	0.93
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG11	14	0.93
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG12	14	0.93
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG13	14	0.93
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG11	14	0.93
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG12	14	0.93
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG13	14	0.93
(1,1630)	1:157:A:GLN:HA	1:158:A:TYR:HB2	9	0.93
(1,1613)	1:14:A:GLY:H	1:154:A:PHE:H	10	0.93
(1,1438)	1:101:A:VAL:HG11	1:102:A:GLN:H	5	0.93
(1,1438)	1:101:A:VAL:HG12	1:102:A:GLN:H	5	0.93
(1,1438)	1:101:A:VAL:HG13	1:102:A:GLN:H	5	0.93
(1,1198)	1:10:A:VAL:HB	1:150:A:ALA:H	15	0.93
(1,949)	1:14:A:GLY:HA3	1:155:A:LYS:HA	10	0.93
(1,878)	1:67:A:SER:H	1:159:A:GLN:H	19	0.93
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB1	13	0.93
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB2	13	0.93
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB3	13	0.93
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB1	9	0.93
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB2	9	0.93
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB3	9	0.93
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB1	18	0.93
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB2	18	0.93
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB3	18	0.93
(1,217)	1:3:A:THR:HB	1:145:A:PRO:HB2	13	0.93
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB1	15	0.93
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB2	15	0.93
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB3	15	0.93
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB1	15	0.93
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB2	15	0.93
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB3	15	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB1	15	0.93
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB2	15	0.93
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB3	15	0.93
(1,3287)	1:78:A:ILE:HG21	1:102:A:GLN:HG2	14	0.92
(1,3287)	1:78:A:ILE:HG21	1:102:A:GLN:HG3	14	0.92
(1,3287)	1:78:A:ILE:HG22	1:102:A:GLN:HG2	14	0.92
(1,3287)	1:78:A:ILE:HG22	1:102:A:GLN:HG3	14	0.92
(1,3287)	1:78:A:ILE:HG23	1:102:A:GLN:HG2	14	0.92
(1,3287)	1:78:A:ILE:HG23	1:102:A:GLN:HG3	14	0.92
(1,2903)	1:16:A:VAL:HG11	1:23:A:VAL:H	2	0.92
(1,2903)	1:16:A:VAL:HG12	1:23:A:VAL:H	2	0.92
(1,2903)	1:16:A:VAL:HG13	1:23:A:VAL:H	2	0.92
(1,2903)	1:16:A:VAL:HG21	1:23:A:VAL:H	2	0.92
(1,2903)	1:16:A:VAL:HG22	1:23:A:VAL:H	2	0.92
(1,2903)	1:16:A:VAL:HG23	1:23:A:VAL:H	2	0.92
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG11	7	0.92
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG12	7	0.92
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG13	7	0.92
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG11	7	0.92
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG12	7	0.92
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG13	7	0.92
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG11	7	0.92
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG12	7	0.92
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG13	7	0.92
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG11	13	0.92
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG12	13	0.92
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG13	13	0.92
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG11	13	0.92
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG12	13	0.92
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG13	13	0.92
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG11	13	0.92
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG12	13	0.92
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG13	13	0.92
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG11	16	0.92
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG12	16	0.92
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG13	16	0.92
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG11	16	0.92
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG12	16	0.92
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG13	16	0.92
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG11	16	0.92
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG12	16	0.92
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG13	16	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG21	3	0.92
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG22	3	0.92
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG23	3	0.92
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG21	3	0.92
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG22	3	0.92
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG23	3	0.92
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG21	3	0.92
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG22	3	0.92
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG23	3	0.92
(1,2226)	1:16:A:VAL:HA	1:156:A:VAL:H	12	0.92
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB1	14	0.92
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB2	14	0.92
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB3	14	0.92
(1,1680)	1:32:A:VAL:HG11	1:33:A:GLN:H	18	0.92
(1,1680)	1:32:A:VAL:HG12	1:33:A:GLN:H	18	0.92
(1,1680)	1:32:A:VAL:HG13	1:33:A:GLN:H	18	0.92
(1,1630)	1:157:A:GLN:HA	1:158:A:TYR:HB2	8	0.92
(1,1628)	1:156:A:VAL:HG11	1:157:A:GLN:HA	2	0.92
(1,1628)	1:156:A:VAL:HG12	1:157:A:GLN:HA	2	0.92
(1,1628)	1:156:A:VAL:HG13	1:157:A:GLN:HA	2	0.92
(1,1628)	1:156:A:VAL:HG11	1:157:A:GLN:HA	13	0.92
(1,1628)	1:156:A:VAL:HG12	1:157:A:GLN:HA	13	0.92
(1,1628)	1:156:A:VAL:HG13	1:157:A:GLN:HA	13	0.92
(1,1438)	1:101:A:VAL:HG11	1:102:A:GLN:H	3	0.92
(1,1438)	1:101:A:VAL:HG12	1:102:A:GLN:H	3	0.92
(1,1438)	1:101:A:VAL:HG13	1:102:A:GLN:H	3	0.92
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB1	14	0.92
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB2	14	0.92
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB3	14	0.92
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB1	14	0.92
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB2	14	0.92
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB3	14	0.92
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB1	14	0.92
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB2	14	0.92
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB3	14	0.92
(1,916)	1:101:A:VAL:HG11	1:137:A:TYR:HA	10	0.92
(1,916)	1:101:A:VAL:HG12	1:137:A:TYR:HA	10	0.92
(1,916)	1:101:A:VAL:HG13	1:137:A:TYR:HA	10	0.92
(1,772)	1:86:A:LEU:HB2	1:101:A:VAL:HB	8	0.92
(1,772)	1:86:A:LEU:HB3	1:101:A:VAL:HB	8	0.92
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG11	7	0.92
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG12	7	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG13	7	0.92
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG11	7	0.92
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG12	7	0.92
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG13	7	0.92
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG11	7	0.92
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG12	7	0.92
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG13	7	0.92
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG11	7	0.92
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG12	7	0.92
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG13	7	0.92
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG11	7	0.92
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG12	7	0.92
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG13	7	0.92
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG11	7	0.92
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG12	7	0.92
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG13	7	0.92
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG11	10	0.92
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG12	10	0.92
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG13	10	0.92
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG11	10	0.92
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG12	10	0.92
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG13	10	0.92
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG11	10	0.92
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG12	10	0.92
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG13	10	0.92
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG11	10	0.92
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG12	10	0.92
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG13	10	0.92
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG11	10	0.92
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG12	10	0.92
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG13	10	0.92
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG11	10	0.92
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG12	10	0.92
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG13	10	0.92
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG11	11	0.92
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG12	11	0.92
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG13	11	0.92
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG11	11	0.92
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG12	11	0.92
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG13	11	0.92
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG11	11	0.92
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG12	11	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG13	11	0.92
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG11	11	0.92
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG12	11	0.92
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG13	11	0.92
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG11	11	0.92
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG12	11	0.92
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG13	11	0.92
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG11	11	0.92
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG12	11	0.92
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG13	11	0.92
(1,549)	1:74:A:LEU:HD21	1:155:A:LYS:HE2	11	0.92
(1,549)	1:74:A:LEU:HD21	1:155:A:LYS:HE3	11	0.92
(1,549)	1:74:A:LEU:HD22	1:155:A:LYS:HE2	11	0.92
(1,549)	1:74:A:LEU:HD22	1:155:A:LYS:HE3	11	0.92
(1,549)	1:74:A:LEU:HD23	1:155:A:LYS:HE2	11	0.92
(1,549)	1:74:A:LEU:HD23	1:155:A:LYS:HE3	11	0.92
(1,419)	1:56:A:ILE:H	1:133:A:PHE:HB3	16	0.92
(1,419)	1:56:A:ILE:H	1:133:A:PHE:HB3	19	0.92
(1,403)	1:102:A:GLN:HB2	1:136:A:ARG:H	8	0.92
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB1	19	0.92
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB2	19	0.92
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB3	19	0.92
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB1	19	0.92
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB2	19	0.92
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB3	19	0.92
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB1	19	0.92
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB2	19	0.92
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB3	19	0.92
(1,36)	1:137:A:TYR:HD1	1:148:A:ALA:HA	19	0.92
(1,36)	1:137:A:TYR:HD2	1:148:A:ALA:HA	19	0.92
(1,3287)	1:78:A:ILE:HG21	1:102:A:GLN:HG2	12	0.91
(1,3287)	1:78:A:ILE:HG21	1:102:A:GLN:HG3	12	0.91
(1,3287)	1:78:A:ILE:HG22	1:102:A:GLN:HG2	12	0.91
(1,3287)	1:78:A:ILE:HG22	1:102:A:GLN:HG3	12	0.91
(1,3287)	1:78:A:ILE:HG23	1:102:A:GLN:HG2	12	0.91
(1,3287)	1:78:A:ILE:HG23	1:102:A:GLN:HG3	12	0.91
(1,2904)	1:16:A:VAL:HG11	1:23:A:VAL:HB	17	0.91
(1,2904)	1:16:A:VAL:HG12	1:23:A:VAL:HB	17	0.91
(1,2904)	1:16:A:VAL:HG13	1:23:A:VAL:HB	17	0.91
(1,2904)	1:16:A:VAL:HG21	1:23:A:VAL:HB	17	0.91
(1,2904)	1:16:A:VAL:HG22	1:23:A:VAL:HB	17	0.91
(1,2904)	1:16:A:VAL:HG23	1:23:A:VAL:HB	17	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2903)	1:16:A:VAL:HG11	1:23:A:VAL:H	14	0.91
(1,2903)	1:16:A:VAL:HG12	1:23:A:VAL:H	14	0.91
(1,2903)	1:16:A:VAL:HG13	1:23:A:VAL:H	14	0.91
(1,2903)	1:16:A:VAL:HG21	1:23:A:VAL:H	14	0.91
(1,2903)	1:16:A:VAL:HG22	1:23:A:VAL:H	14	0.91
(1,2903)	1:16:A:VAL:HG23	1:23:A:VAL:H	14	0.91
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG11	10	0.91
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG12	10	0.91
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG13	10	0.91
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG21	10	0.91
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG22	10	0.91
(1,2871)	1:12:A:PHE:HB3	1:28:A:VAL:HG23	10	0.91
(1,2854)	1:10:A:VAL:HG11	1:32:A:VAL:HB	5	0.91
(1,2854)	1:10:A:VAL:HG12	1:32:A:VAL:HB	5	0.91
(1,2854)	1:10:A:VAL:HG13	1:32:A:VAL:HB	5	0.91
(1,2854)	1:10:A:VAL:HG21	1:32:A:VAL:HB	5	0.91
(1,2854)	1:10:A:VAL:HG22	1:32:A:VAL:HB	5	0.91
(1,2854)	1:10:A:VAL:HG23	1:32:A:VAL:HB	5	0.91
(1,2226)	1:16:A:VAL:HA	1:156:A:VAL:H	14	0.91
(1,1628)	1:156:A:VAL:HG11	1:157:A:GLN:HA	14	0.91
(1,1628)	1:156:A:VAL:HG12	1:157:A:GLN:HA	14	0.91
(1,1628)	1:156:A:VAL:HG13	1:157:A:GLN:HA	14	0.91
(1,1613)	1:14:A:GLY:H	1:154:A:PHE:H	14	0.91
(1,1438)	1:101:A:VAL:HG11	1:102:A:GLN:H	14	0.91
(1,1438)	1:101:A:VAL:HG12	1:102:A:GLN:H	14	0.91
(1,1438)	1:101:A:VAL:HG13	1:102:A:GLN:H	14	0.91
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB1	5	0.91
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB2	5	0.91
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB3	5	0.91
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB1	5	0.91
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB2	5	0.91
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB3	5	0.91
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB1	5	0.91
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB2	5	0.91
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB3	5	0.91
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB1	12	0.91
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB2	12	0.91
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB3	12	0.91
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB1	12	0.91
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB2	12	0.91
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB3	12	0.91
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB1	12	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB2	12	0.91
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB3	12	0.91
(1,1436)	1:101:A:VAL:HG21	1:150:A:ALA:H	6	0.91
(1,1436)	1:101:A:VAL:HG22	1:150:A:ALA:H	6	0.91
(1,1436)	1:101:A:VAL:HG23	1:150:A:ALA:H	6	0.91
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB2	8	0.91
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB3	8	0.91
(1,878)	1:67:A:SER:H	1:159:A:GLN:H	8	0.91
(1,772)	1:86:A:LEU:HB2	1:101:A:VAL:HB	16	0.91
(1,772)	1:86:A:LEU:HB3	1:101:A:VAL:HB	16	0.91
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG11	16	0.91
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG12	16	0.91
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG13	16	0.91
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG11	16	0.91
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG12	16	0.91
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG13	16	0.91
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG11	16	0.91
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG12	16	0.91
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG13	16	0.91
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG11	16	0.91
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG12	16	0.91
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG13	16	0.91
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG11	16	0.91
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG12	16	0.91
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG13	16	0.91
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG11	16	0.91
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG12	16	0.91
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG13	16	0.91
(1,419)	1:56:A:ILE:H	1:133:A:PHE:HB3	18	0.91
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB1	1	0.91
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB2	1	0.91
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB3	1	0.91
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB1	6	0.91
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB2	6	0.91
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB3	6	0.91
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB1	14	0.91
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB2	14	0.91
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB3	14	0.91
(1,2903)	1:16:A:VAL:HG11	1:23:A:VAL:H	8	0.9
(1,2903)	1:16:A:VAL:HG12	1:23:A:VAL:H	8	0.9
(1,2903)	1:16:A:VAL:HG13	1:23:A:VAL:H	8	0.9
(1,2903)	1:16:A:VAL:HG21	1:23:A:VAL:H	8	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2903)	1:16:A:VAL:HG22	1:23:A:VAL:H	8	0.9
(1,2903)	1:16:A:VAL:HG23	1:23:A:VAL:H	8	0.9
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG11	19	0.9
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG12	19	0.9
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG13	19	0.9
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG11	19	0.9
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG12	19	0.9
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG13	19	0.9
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG11	19	0.9
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG12	19	0.9
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG13	19	0.9
(1,2312)	1:32:A:VAL:HG11	1:52:A:VAL:H	20	0.9
(1,2312)	1:32:A:VAL:HG12	1:52:A:VAL:H	20	0.9
(1,2312)	1:32:A:VAL:HG13	1:52:A:VAL:H	20	0.9
(1,2226)	1:16:A:VAL:HA	1:156:A:VAL:H	16	0.9
(1,2226)	1:16:A:VAL:HA	1:156:A:VAL:H	19	0.9
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD1	12	0.9
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD2	12	0.9
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD1	12	0.9
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD2	12	0.9
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD1	12	0.9
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD2	12	0.9
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD1	19	0.9
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD2	19	0.9
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD1	19	0.9
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD2	19	0.9
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD1	19	0.9
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD2	19	0.9
(1,1630)	1:157:A:GLN:HA	1:158:A:TYR:HB2	1	0.9
(1,1630)	1:157:A:GLN:HA	1:158:A:TYR:HB2	4	0.9
(1,1630)	1:157:A:GLN:HA	1:158:A:TYR:HB2	6	0.9
(1,1630)	1:157:A:GLN:HA	1:158:A:TYR:HB2	14	0.9
(1,1628)	1:156:A:VAL:HG11	1:157:A:GLN:HA	3	0.9
(1,1628)	1:156:A:VAL:HG12	1:157:A:GLN:HA	3	0.9
(1,1628)	1:156:A:VAL:HG13	1:157:A:GLN:HA	3	0.9
(1,1628)	1:156:A:VAL:HG11	1:157:A:GLN:HA	12	0.9
(1,1628)	1:156:A:VAL:HG12	1:157:A:GLN:HA	12	0.9
(1,1628)	1:156:A:VAL:HG13	1:157:A:GLN:HA	12	0.9
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB1	1	0.9
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB2	1	0.9
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB3	1	0.9
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB1	1	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB2	1	0.9
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB3	1	0.9
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB1	1	0.9
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB2	1	0.9
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB3	1	0.9
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB1	9	0.9
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB2	9	0.9
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB3	9	0.9
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB1	9	0.9
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB2	9	0.9
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB3	9	0.9
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB1	9	0.9
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB2	9	0.9
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB3	9	0.9
(1,949)	1:14:A:GLY:HA3	1:155:A:LYS:HA	6	0.9
(1,866)	1:56:A:ILE:H	1:133:A:PHE:HB2	20	0.9
(1,772)	1:86:A:LEU:HB2	1:101:A:VAL:HB	6	0.9
(1,772)	1:86:A:LEU:HB3	1:101:A:VAL:HB	6	0.9
(1,772)	1:86:A:LEU:HB2	1:101:A:VAL:HB	12	0.9
(1,772)	1:86:A:LEU:HB3	1:101:A:VAL:HB	12	0.9
(1,549)	1:74:A:LEU:HD21	1:155:A:LYS:HE2	2	0.9
(1,549)	1:74:A:LEU:HD21	1:155:A:LYS:HE3	2	0.9
(1,549)	1:74:A:LEU:HD22	1:155:A:LYS:HE2	2	0.9
(1,549)	1:74:A:LEU:HD22	1:155:A:LYS:HE3	2	0.9
(1,549)	1:74:A:LEU:HD23	1:155:A:LYS:HE2	2	0.9
(1,549)	1:74:A:LEU:HD23	1:155:A:LYS:HE3	2	0.9
(1,419)	1:56:A:ILE:H	1:133:A:PHE:HB3	4	0.9
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB1	4	0.9
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB2	4	0.9
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB3	4	0.9
(1,217)	1:3:A:THR:HB	1:145:A:PRO:HB2	4	0.9
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD1	9	0.89
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD2	9	0.89
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD1	9	0.89
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD2	9	0.89
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD1	9	0.89
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD2	9	0.89
(1,1989)	1:102:A:GLN:HB3	1:136:A:ARG:H	8	0.89
(1,1945)	1:97:A:THR:H	1:143:A:ALA:HA	20	0.89
(1,1681)	1:32:A:VAL:HG11	1:52:A:VAL:HB	5	0.89
(1,1681)	1:32:A:VAL:HG12	1:52:A:VAL:HB	5	0.89
(1,1681)	1:32:A:VAL:HG13	1:52:A:VAL:HB	5	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1680)	1:32:A:VAL:HG11	1:33:A:GLN:H	1	0.89
(1,1680)	1:32:A:VAL:HG12	1:33:A:GLN:H	1	0.89
(1,1680)	1:32:A:VAL:HG13	1:33:A:GLN:H	1	0.89
(1,1680)	1:32:A:VAL:HG11	1:33:A:GLN:H	20	0.89
(1,1680)	1:32:A:VAL:HG12	1:33:A:GLN:H	20	0.89
(1,1680)	1:32:A:VAL:HG13	1:33:A:GLN:H	20	0.89
(1,1630)	1:157:A:GLN:HA	1:158:A:TYR:HB2	3	0.89
(1,1630)	1:157:A:GLN:HA	1:158:A:TYR:HB2	18	0.89
(1,1628)	1:156:A:VAL:HG11	1:157:A:GLN:HA	18	0.89
(1,1628)	1:156:A:VAL:HG12	1:157:A:GLN:HA	18	0.89
(1,1628)	1:156:A:VAL:HG13	1:157:A:GLN:HA	18	0.89
(1,1438)	1:101:A:VAL:HG11	1:102:A:GLN:H	10	0.89
(1,1438)	1:101:A:VAL:HG12	1:102:A:GLN:H	10	0.89
(1,1438)	1:101:A:VAL:HG13	1:102:A:GLN:H	10	0.89
(1,1438)	1:101:A:VAL:HG11	1:102:A:GLN:H	17	0.89
(1,1438)	1:101:A:VAL:HG12	1:102:A:GLN:H	17	0.89
(1,1438)	1:101:A:VAL:HG13	1:102:A:GLN:H	17	0.89
(1,1438)	1:101:A:VAL:HG11	1:102:A:GLN:H	18	0.89
(1,1438)	1:101:A:VAL:HG12	1:102:A:GLN:H	18	0.89
(1,1438)	1:101:A:VAL:HG13	1:102:A:GLN:H	18	0.89
(1,1438)	1:101:A:VAL:HG11	1:102:A:GLN:H	19	0.89
(1,1438)	1:101:A:VAL:HG12	1:102:A:GLN:H	19	0.89
(1,1438)	1:101:A:VAL:HG13	1:102:A:GLN:H	19	0.89
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB1	11	0.89
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB2	11	0.89
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB3	11	0.89
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB1	11	0.89
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB2	11	0.89
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB3	11	0.89
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB1	11	0.89
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB2	11	0.89
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB3	11	0.89
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB1	19	0.89
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB2	19	0.89
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB3	19	0.89
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB1	19	0.89
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB2	19	0.89
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB3	19	0.89
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB1	19	0.89
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB2	19	0.89
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB3	19	0.89
(1,1198)	1:10:A:VAL:HB	1:150:A:ALA:H	20	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,916)	1:101:A:VAL:HG11	1:137:A:TYR:HA	3	0.89
(1,916)	1:101:A:VAL:HG12	1:137:A:TYR:HA	3	0.89
(1,916)	1:101:A:VAL:HG13	1:137:A:TYR:HA	3	0.89
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG21	11	0.89
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG22	11	0.89
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG23	11	0.89
(1,409)	1:158:A:TYR:HB3	1:159:A:GLN:H	5	0.89
(1,403)	1:102:A:GLN:HB2	1:136:A:ARG:H	17	0.89
(1,403)	1:102:A:GLN:HB2	1:136:A:ARG:H	19	0.89
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB1	8	0.89
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB2	8	0.89
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB3	8	0.89
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB1	10	0.89
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB2	10	0.89
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB3	10	0.89
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB1	15	0.89
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB2	15	0.89
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB3	15	0.89
(1,229)	1:22:A:ALA:HA	1:58:A:LEU:HB3	1	0.89
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB1	3	0.89
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB2	3	0.89
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB3	3	0.89
(1,37)	1:20:A:ALA:HB1	1:65:A:VAL:HB	15	0.89
(1,37)	1:20:A:ALA:HB2	1:65:A:VAL:HB	15	0.89
(1,37)	1:20:A:ALA:HB3	1:65:A:VAL:HB	15	0.89
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB1	13	0.88
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB2	13	0.88
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB3	13	0.88
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB1	13	0.88
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB2	13	0.88
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB3	13	0.88
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB1	13	0.88
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB2	13	0.88
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB3	13	0.88
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB1	13	0.88
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB2	13	0.88
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB3	13	0.88
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB1	13	0.88
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB2	13	0.88
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB3	13	0.88
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB1	13	0.88
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB2	13	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB3	13	0.88
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG11	10	0.88
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG12	10	0.88
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG13	10	0.88
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG11	10	0.88
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG12	10	0.88
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG13	10	0.88
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG11	10	0.88
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG12	10	0.88
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG13	10	0.88
(1,2226)	1:16:A:VAL:HA	1:156:A:VAL:H	4	0.88
(1,2226)	1:16:A:VAL:HA	1:156:A:VAL:H	8	0.88
(1,1989)	1:102:A:GLN:HB3	1:136:A:ARG:H	15	0.88
(1,1989)	1:102:A:GLN:HB3	1:136:A:ARG:H	19	0.88
(1,1681)	1:32:A:VAL:HG11	1:52:A:VAL:HB	19	0.88
(1,1681)	1:32:A:VAL:HG12	1:52:A:VAL:HB	19	0.88
(1,1681)	1:32:A:VAL:HG13	1:52:A:VAL:HB	19	0.88
(1,1680)	1:32:A:VAL:HG11	1:33:A:GLN:H	2	0.88
(1,1680)	1:32:A:VAL:HG12	1:33:A:GLN:H	2	0.88
(1,1680)	1:32:A:VAL:HG13	1:33:A:GLN:H	2	0.88
(1,1630)	1:157:A:GLN:HA	1:158:A:TYR:HB2	7	0.88
(1,1438)	1:101:A:VAL:HG11	1:102:A:GLN:H	9	0.88
(1,1438)	1:101:A:VAL:HG12	1:102:A:GLN:H	9	0.88
(1,1438)	1:101:A:VAL:HG13	1:102:A:GLN:H	9	0.88
(1,1438)	1:101:A:VAL:HG11	1:102:A:GLN:H	20	0.88
(1,1438)	1:101:A:VAL:HG12	1:102:A:GLN:H	20	0.88
(1,1438)	1:101:A:VAL:HG13	1:102:A:GLN:H	20	0.88
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB1	7	0.88
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB2	7	0.88
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB3	7	0.88
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB1	7	0.88
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB2	7	0.88
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB3	7	0.88
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB1	7	0.88
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB2	7	0.88
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB3	7	0.88
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB2	9	0.88
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB3	9	0.88
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB2	11	0.88
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB3	11	0.88
(1,949)	1:14:A:GLY:HA3	1:155:A:LYS:HA	3	0.88
(1,916)	1:101:A:VAL:HG11	1:137:A:TYR:HA	4	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,916)	1:101:A:VAL:HG12	1:137:A:TYR:HA	4	0.88
(1,916)	1:101:A:VAL:HG13	1:137:A:TYR:HA	4	0.88
(1,916)	1:101:A:VAL:HG11	1:137:A:TYR:HA	12	0.88
(1,916)	1:101:A:VAL:HG12	1:137:A:TYR:HA	12	0.88
(1,916)	1:101:A:VAL:HG13	1:137:A:TYR:HA	12	0.88
(1,875)	1:61:A:CYS:HB2	1:126:A:ASN:HA	9	0.88
(1,409)	1:158:A:TYR:HB3	1:159:A:GLN:H	4	0.88
(1,403)	1:102:A:GLN:HB2	1:136:A:ARG:H	6	0.88
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG21	11	0.88
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG22	11	0.88
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG23	11	0.88
(1,229)	1:22:A:ALA:HA	1:58:A:LEU:HB3	17	0.88
(1,142)	1:148:A:ALA:H	1:149:A:ASN:HB3	16	0.88
(1,79)	1:125:A:ASN:HD21	1:129:A:ASN:HD22	5	0.88
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB1	5	0.88
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB2	5	0.88
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB3	5	0.88
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB1	5	0.88
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB2	5	0.88
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB3	5	0.88
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB1	5	0.88
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB2	5	0.88
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB3	5	0.88
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB1	7	0.88
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB2	7	0.88
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB3	7	0.88
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB1	7	0.88
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB2	7	0.88
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB3	7	0.88
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB1	7	0.88
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB2	7	0.88
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB3	7	0.88
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD2	2	0.88
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD3	2	0.88
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD2	2	0.88
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD3	2	0.88
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD2	2	0.88
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD3	2	0.88
(1,8)	1:13:A:LYS:HD2	1:153:A:THR:HG21	15	0.88
(1,8)	1:13:A:LYS:HD2	1:153:A:THR:HG22	15	0.88
(1,8)	1:13:A:LYS:HD2	1:153:A:THR:HG23	15	0.88
(1,1)	1:112:A:THR:HB	1:116:A:ALA:H	12	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2976)	1:27:A:SER:HB2	1:28:A:VAL:HB	20	0.87
(1,2976)	1:27:A:SER:HB3	1:28:A:VAL:HB	20	0.87
(1,2904)	1:16:A:VAL:HG11	1:23:A:VAL:HB	15	0.87
(1,2904)	1:16:A:VAL:HG12	1:23:A:VAL:HB	15	0.87
(1,2904)	1:16:A:VAL:HG13	1:23:A:VAL:HB	15	0.87
(1,2904)	1:16:A:VAL:HG21	1:23:A:VAL:HB	15	0.87
(1,2904)	1:16:A:VAL:HG22	1:23:A:VAL:HB	15	0.87
(1,2904)	1:16:A:VAL:HG23	1:23:A:VAL:HB	15	0.87
(1,2879)	1:13:A:LYS:HD2	1:153:A:THR:HG21	1	0.87
(1,2879)	1:13:A:LYS:HD2	1:153:A:THR:HG22	1	0.87
(1,2879)	1:13:A:LYS:HD2	1:153:A:THR:HG23	1	0.87
(1,2879)	1:13:A:LYS:HD3	1:153:A:THR:HG21	1	0.87
(1,2879)	1:13:A:LYS:HD3	1:153:A:THR:HG22	1	0.87
(1,2879)	1:13:A:LYS:HD3	1:153:A:THR:HG23	1	0.87
(1,2226)	1:16:A:VAL:HA	1:156:A:VAL:H	2	0.87
(1,2041)	1:10:A:VAL:H	1:32:A:VAL:HB	2	0.87
(1,1630)	1:157:A:GLN:HA	1:158:A:TYR:HB2	11	0.87
(1,1630)	1:157:A:GLN:HA	1:158:A:TYR:HB2	19	0.87
(1,1438)	1:101:A:VAL:HG11	1:102:A:GLN:H	4	0.87
(1,1438)	1:101:A:VAL:HG12	1:102:A:GLN:H	4	0.87
(1,1438)	1:101:A:VAL:HG13	1:102:A:GLN:H	4	0.87
(1,1438)	1:101:A:VAL:HG11	1:102:A:GLN:H	11	0.87
(1,1438)	1:101:A:VAL:HG12	1:102:A:GLN:H	11	0.87
(1,1438)	1:101:A:VAL:HG13	1:102:A:GLN:H	11	0.87
(1,1438)	1:101:A:VAL:HG11	1:102:A:GLN:H	15	0.87
(1,1438)	1:101:A:VAL:HG12	1:102:A:GLN:H	15	0.87
(1,1438)	1:101:A:VAL:HG13	1:102:A:GLN:H	15	0.87
(1,1408)	1:8:A:GLY:HA2	1:34:A:LEU:HB3	15	0.87
(1,1198)	1:10:A:VAL:HB	1:150:A:ALA:H	10	0.87
(1,772)	1:86:A:LEU:HB2	1:101:A:VAL:HB	7	0.87
(1,772)	1:86:A:LEU:HB3	1:101:A:VAL:HB	7	0.87
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG11	18	0.87
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG12	18	0.87
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG13	18	0.87
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG11	18	0.87
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG12	18	0.87
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG13	18	0.87
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG11	18	0.87
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG12	18	0.87
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG13	18	0.87
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG11	18	0.87
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG12	18	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG13	18	0.87
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG11	18	0.87
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG12	18	0.87
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG13	18	0.87
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG11	18	0.87
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG12	18	0.87
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG13	18	0.87
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB1	18	0.87
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB2	18	0.87
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB3	18	0.87
(1,409)	1:158:A:TYR:HB3	1:159:A:GLN:H	7	0.87
(1,269)	1:34:A:LEU:HA	1:52:A:VAL:HA	16	0.87
(1,229)	1:22:A:ALA:HA	1:58:A:LEU:HB3	2	0.87
(1,229)	1:22:A:ALA:HA	1:58:A:LEU:HB3	19	0.87
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB1	2	0.87
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB2	2	0.87
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB3	2	0.87
(1,117)	1:124:A:LEU:HA	1:125:A:ASN:HD22	3	0.87
(1,79)	1:125:A:ASN:HD21	1:129:A:ASN:HD22	11	0.87
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG21	19	0.87
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG22	19	0.87
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG23	19	0.87
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB1	6	0.86
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB2	6	0.86
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB3	6	0.86
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB1	6	0.86
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB2	6	0.86
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB3	6	0.86
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB1	6	0.86
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB2	6	0.86
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB3	6	0.86
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB1	6	0.86
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB2	6	0.86
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB3	6	0.86
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB1	6	0.86
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB2	6	0.86
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB3	6	0.86
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB1	6	0.86
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB2	6	0.86
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB3	6	0.86
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD1	7	0.86
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD2	7	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD1	7	0.86
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD2	7	0.86
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD1	20	0.86
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD2	20	0.86
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD1	20	0.86
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD2	20	0.86
(1,2904)	1:16:A:VAL:HG11	1:23:A:VAL:HB	12	0.86
(1,2904)	1:16:A:VAL:HG12	1:23:A:VAL:HB	12	0.86
(1,2904)	1:16:A:VAL:HG13	1:23:A:VAL:HB	12	0.86
(1,2904)	1:16:A:VAL:HG21	1:23:A:VAL:HB	12	0.86
(1,2904)	1:16:A:VAL:HG22	1:23:A:VAL:HB	12	0.86
(1,2904)	1:16:A:VAL:HG23	1:23:A:VAL:HB	12	0.86
(1,2903)	1:16:A:VAL:HG11	1:23:A:VAL:H	9	0.86
(1,2903)	1:16:A:VAL:HG12	1:23:A:VAL:H	9	0.86
(1,2903)	1:16:A:VAL:HG13	1:23:A:VAL:H	9	0.86
(1,2903)	1:16:A:VAL:HG21	1:23:A:VAL:H	9	0.86
(1,2903)	1:16:A:VAL:HG22	1:23:A:VAL:H	9	0.86
(1,2903)	1:16:A:VAL:HG23	1:23:A:VAL:H	9	0.86
(1,2879)	1:13:A:LYS:HD2	1:153:A:THR:HG21	6	0.86
(1,2879)	1:13:A:LYS:HD2	1:153:A:THR:HG22	6	0.86
(1,2879)	1:13:A:LYS:HD2	1:153:A:THR:HG23	6	0.86
(1,2879)	1:13:A:LYS:HD3	1:153:A:THR:HG21	6	0.86
(1,2879)	1:13:A:LYS:HD3	1:153:A:THR:HG22	6	0.86
(1,2879)	1:13:A:LYS:HD3	1:153:A:THR:HG23	6	0.86
(1,2854)	1:10:A:VAL:HG11	1:32:A:VAL:HB	7	0.86
(1,2854)	1:10:A:VAL:HG12	1:32:A:VAL:HB	7	0.86
(1,2854)	1:10:A:VAL:HG13	1:32:A:VAL:HB	7	0.86
(1,2854)	1:10:A:VAL:HG21	1:32:A:VAL:HB	7	0.86
(1,2854)	1:10:A:VAL:HG22	1:32:A:VAL:HB	7	0.86
(1,2854)	1:10:A:VAL:HG23	1:32:A:VAL:HB	7	0.86
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG11	20	0.86
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG12	20	0.86
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG13	20	0.86
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG11	20	0.86
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG12	20	0.86
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG13	20	0.86
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG11	20	0.86
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG12	20	0.86
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG13	20	0.86
(1,2240)	1:20:A:ALA:HA	1:65:A:VAL:HB	2	0.86
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD1	15	0.86
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD2	15	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD1	15	0.86
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD2	15	0.86
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD1	15	0.86
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD2	15	0.86
(1,2041)	1:10:A:VAL:H	1:32:A:VAL:HB	6	0.86
(1,1680)	1:32:A:VAL:HG11	1:33:A:GLN:H	12	0.86
(1,1680)	1:32:A:VAL:HG12	1:33:A:GLN:H	12	0.86
(1,1680)	1:32:A:VAL:HG13	1:33:A:GLN:H	12	0.86
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD1	13	0.86
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD2	13	0.86
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD1	13	0.86
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD2	13	0.86
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD1	13	0.86
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD2	13	0.86
(1,1630)	1:157:A:GLN:HA	1:158:A:TYR:HB2	16	0.86
(1,1630)	1:157:A:GLN:HA	1:158:A:TYR:HB2	17	0.86
(1,1438)	1:101:A:VAL:HG11	1:102:A:GLN:H	6	0.86
(1,1438)	1:101:A:VAL:HG12	1:102:A:GLN:H	6	0.86
(1,1438)	1:101:A:VAL:HG13	1:102:A:GLN:H	6	0.86
(1,1438)	1:101:A:VAL:HG11	1:102:A:GLN:H	13	0.86
(1,1438)	1:101:A:VAL:HG12	1:102:A:GLN:H	13	0.86
(1,1438)	1:101:A:VAL:HG13	1:102:A:GLN:H	13	0.86
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB1	8	0.86
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB2	8	0.86
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB3	8	0.86
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB1	8	0.86
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB2	8	0.86
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB3	8	0.86
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB1	8	0.86
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB2	8	0.86
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB3	8	0.86
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB1	10	0.86
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB2	10	0.86
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB3	10	0.86
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB1	10	0.86
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB2	10	0.86
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB3	10	0.86
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB1	10	0.86
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB2	10	0.86
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB3	10	0.86
(1,916)	1:101:A:VAL:HG11	1:137:A:TYR:HA	5	0.86
(1,916)	1:101:A:VAL:HG12	1:137:A:TYR:HA	5	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,916)	1:101:A:VAL:HG13	1:137:A:TYR:HA	5	0.86
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG21	15	0.86
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG22	15	0.86
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG23	15	0.86
(1,772)	1:86:A:LEU:HB2	1:101:A:VAL:HB	10	0.86
(1,772)	1:86:A:LEU:HB3	1:101:A:VAL:HB	10	0.86
(1,409)	1:158:A:TYR:HB3	1:159:A:GLN:H	11	0.86
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG21	5	0.86
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG22	5	0.86
(1,367)	1:16:A:VAL:HB	1:156:A:VAL:HG23	5	0.86
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB1	19	0.86
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB2	19	0.86
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB3	19	0.86
(1,79)	1:125:A:ASN:HD21	1:129:A:ASN:HD22	8	0.86
(1,79)	1:125:A:ASN:HD21	1:129:A:ASN:HD22	16	0.86
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB1	20	0.86
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB2	20	0.86
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB3	20	0.86
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB1	20	0.86
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB2	20	0.86
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB3	20	0.86
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB1	20	0.86
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB2	20	0.86
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB3	20	0.86
(1,34)	1:11:A:HIS:HE1	1:13:A:LYS:HG2	16	0.86
(1,34)	1:11:A:HIS:HE1	1:13:A:LYS:HG3	16	0.86
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD1	2	0.85
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD2	2	0.85
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD1	2	0.85
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD2	2	0.85
(1,2904)	1:16:A:VAL:HG11	1:23:A:VAL:HB	11	0.85
(1,2904)	1:16:A:VAL:HG12	1:23:A:VAL:HB	11	0.85
(1,2904)	1:16:A:VAL:HG13	1:23:A:VAL:HB	11	0.85
(1,2904)	1:16:A:VAL:HG21	1:23:A:VAL:HB	11	0.85
(1,2904)	1:16:A:VAL:HG22	1:23:A:VAL:HB	11	0.85
(1,2904)	1:16:A:VAL:HG23	1:23:A:VAL:HB	11	0.85
(1,2903)	1:16:A:VAL:HG11	1:23:A:VAL:H	7	0.85
(1,2903)	1:16:A:VAL:HG12	1:23:A:VAL:H	7	0.85
(1,2903)	1:16:A:VAL:HG13	1:23:A:VAL:H	7	0.85
(1,2903)	1:16:A:VAL:HG21	1:23:A:VAL:H	7	0.85
(1,2903)	1:16:A:VAL:HG22	1:23:A:VAL:H	7	0.85
(1,2903)	1:16:A:VAL:HG23	1:23:A:VAL:H	7	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2903)	1:16:A:VAL:HG11	1:23:A:VAL:H	20	0.85
(1,2903)	1:16:A:VAL:HG12	1:23:A:VAL:H	20	0.85
(1,2903)	1:16:A:VAL:HG13	1:23:A:VAL:H	20	0.85
(1,2903)	1:16:A:VAL:HG21	1:23:A:VAL:H	20	0.85
(1,2903)	1:16:A:VAL:HG22	1:23:A:VAL:H	20	0.85
(1,2903)	1:16:A:VAL:HG23	1:23:A:VAL:H	20	0.85
(1,2299)	1:30:A:GLN:HG2	1:31:A:THR:H	17	0.85
(1,2041)	1:10:A:VAL:H	1:32:A:VAL:HB	18	0.85
(1,1680)	1:32:A:VAL:HG11	1:33:A:GLN:H	3	0.85
(1,1680)	1:32:A:VAL:HG12	1:33:A:GLN:H	3	0.85
(1,1680)	1:32:A:VAL:HG13	1:33:A:GLN:H	3	0.85
(1,1680)	1:32:A:VAL:HG11	1:33:A:GLN:H	6	0.85
(1,1680)	1:32:A:VAL:HG12	1:33:A:GLN:H	6	0.85
(1,1680)	1:32:A:VAL:HG13	1:33:A:GLN:H	6	0.85
(1,1438)	1:101:A:VAL:HG11	1:102:A:GLN:H	8	0.85
(1,1438)	1:101:A:VAL:HG12	1:102:A:GLN:H	8	0.85
(1,1438)	1:101:A:VAL:HG13	1:102:A:GLN:H	8	0.85
(1,1438)	1:101:A:VAL:HG11	1:102:A:GLN:H	12	0.85
(1,1438)	1:101:A:VAL:HG12	1:102:A:GLN:H	12	0.85
(1,1438)	1:101:A:VAL:HG13	1:102:A:GLN:H	12	0.85
(1,1438)	1:101:A:VAL:HG11	1:102:A:GLN:H	16	0.85
(1,1438)	1:101:A:VAL:HG12	1:102:A:GLN:H	16	0.85
(1,1438)	1:101:A:VAL:HG13	1:102:A:GLN:H	16	0.85
(1,1408)	1:8:A:GLY:HA2	1:34:A:LEU:HB3	12	0.85
(1,916)	1:101:A:VAL:HG11	1:137:A:TYR:HA	11	0.85
(1,916)	1:101:A:VAL:HG12	1:137:A:TYR:HA	11	0.85
(1,916)	1:101:A:VAL:HG13	1:137:A:TYR:HA	11	0.85
(1,916)	1:101:A:VAL:HG11	1:137:A:TYR:HA	18	0.85
(1,916)	1:101:A:VAL:HG12	1:137:A:TYR:HA	18	0.85
(1,916)	1:101:A:VAL:HG13	1:137:A:TYR:HA	18	0.85
(1,916)	1:101:A:VAL:HG11	1:137:A:TYR:HA	20	0.85
(1,916)	1:101:A:VAL:HG12	1:137:A:TYR:HA	20	0.85
(1,916)	1:101:A:VAL:HG13	1:137:A:TYR:HA	20	0.85
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB1	6	0.85
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB2	6	0.85
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB3	6	0.85
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB1	17	0.85
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB2	17	0.85
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB3	17	0.85
(1,409)	1:158:A:TYR:HB3	1:159:A:GLN:H	17	0.85
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB1	3	0.85
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB2	3	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB3	3	0.85
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB1	9	0.85
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB2	9	0.85
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB3	9	0.85
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB1	18	0.85
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB2	18	0.85
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB3	18	0.85
(1,63)	1:20:A:ALA:HB1	1:63:A:THR:H	9	0.85
(1,63)	1:20:A:ALA:HB2	1:63:A:THR:H	9	0.85
(1,63)	1:20:A:ALA:HB3	1:63:A:THR:H	9	0.85
(1,2903)	1:16:A:VAL:HG11	1:23:A:VAL:H	3	0.84
(1,2903)	1:16:A:VAL:HG12	1:23:A:VAL:H	3	0.84
(1,2903)	1:16:A:VAL:HG13	1:23:A:VAL:H	3	0.84
(1,2903)	1:16:A:VAL:HG21	1:23:A:VAL:H	3	0.84
(1,2903)	1:16:A:VAL:HG22	1:23:A:VAL:H	3	0.84
(1,2903)	1:16:A:VAL:HG23	1:23:A:VAL:H	3	0.84
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG11	8	0.84
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG12	8	0.84
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG13	8	0.84
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG11	8	0.84
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG12	8	0.84
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG13	8	0.84
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG11	8	0.84
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG12	8	0.84
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG13	8	0.84
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG11	18	0.84
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG12	18	0.84
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG13	18	0.84
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG11	18	0.84
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG12	18	0.84
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG13	18	0.84
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG11	18	0.84
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG12	18	0.84
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG13	18	0.84
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG21	9	0.84
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG22	9	0.84
(1,2482)	1:56:A:ILE:HD11	1:156:A:VAL:HG23	9	0.84
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG21	9	0.84
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG22	9	0.84
(1,2482)	1:56:A:ILE:HD12	1:156:A:VAL:HG23	9	0.84
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG21	9	0.84
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG22	9	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2482)	1:56:A:ILE:HD13	1:156:A:VAL:HG23	9	0.84
(1,2299)	1:30:A:GLN:HG2	1:31:A:THR:H	13	0.84
(1,1989)	1:102:A:GLN:HB3	1:136:A:ARG:H	20	0.84
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD1	18	0.84
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD2	18	0.84
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD1	18	0.84
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD2	18	0.84
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD1	18	0.84
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD2	18	0.84
(1,1640)	1:18:A:ASN:HD21	1:19:A:ALA:H	20	0.84
(1,1630)	1:157:A:GLN:HA	1:158:A:TYR:HB2	5	0.84
(1,1630)	1:157:A:GLN:HA	1:158:A:TYR:HB2	10	0.84
(1,1628)	1:156:A:VAL:HG11	1:157:A:GLN:HA	16	0.84
(1,1628)	1:156:A:VAL:HG12	1:157:A:GLN:HA	16	0.84
(1,1628)	1:156:A:VAL:HG13	1:157:A:GLN:HA	16	0.84
(1,1613)	1:14:A:GLY:H	1:154:A:PHE:H	3	0.84
(1,1563)	1:12:A:PHE:HB3	1:14:A:GLY:H	2	0.84
(1,1563)	1:12:A:PHE:HB3	1:14:A:GLY:H	14	0.84
(1,1438)	1:101:A:VAL:HG11	1:102:A:GLN:H	2	0.84
(1,1438)	1:101:A:VAL:HG12	1:102:A:GLN:H	2	0.84
(1,1438)	1:101:A:VAL:HG13	1:102:A:GLN:H	2	0.84
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB1	6	0.84
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB2	6	0.84
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB3	6	0.84
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB1	6	0.84
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB2	6	0.84
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB3	6	0.84
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB1	6	0.84
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB2	6	0.84
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB3	6	0.84
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB1	20	0.84
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB2	20	0.84
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB3	20	0.84
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB1	20	0.84
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB2	20	0.84
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB3	20	0.84
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB1	20	0.84
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB2	20	0.84
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB3	20	0.84
(1,1408)	1:8:A:GLY:HA2	1:34:A:LEU:HB3	17	0.84
(1,1198)	1:10:A:VAL:HB	1:150:A:ALA:H	12	0.84
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG21	4	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG22	4	0.84
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG23	4	0.84
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG21	4	0.84
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG22	4	0.84
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG23	4	0.84
(1,916)	1:101:A:VAL:HG11	1:137:A:TYR:HA	19	0.84
(1,916)	1:101:A:VAL:HG12	1:137:A:TYR:HA	19	0.84
(1,916)	1:101:A:VAL:HG13	1:137:A:TYR:HA	19	0.84
(1,875)	1:61:A:CYS:HB2	1:126:A:ASN:HA	7	0.84
(1,875)	1:61:A:CYS:HB2	1:126:A:ASN:HA	17	0.84
(1,866)	1:56:A:ILE:H	1:133:A:PHE:HB2	10	0.84
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG21	12	0.84
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG22	12	0.84
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG23	12	0.84
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG11	19	0.84
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG12	19	0.84
(1,630)	1:124:A:LEU:HD11	1:156:A:VAL:HG13	19	0.84
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG11	19	0.84
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG12	19	0.84
(1,630)	1:124:A:LEU:HD12	1:156:A:VAL:HG13	19	0.84
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG11	19	0.84
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG12	19	0.84
(1,630)	1:124:A:LEU:HD13	1:156:A:VAL:HG13	19	0.84
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG11	19	0.84
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG12	19	0.84
(1,630)	1:124:A:LEU:HD21	1:156:A:VAL:HG13	19	0.84
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG11	19	0.84
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG12	19	0.84
(1,630)	1:124:A:LEU:HD22	1:156:A:VAL:HG13	19	0.84
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG11	19	0.84
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG12	19	0.84
(1,630)	1:124:A:LEU:HD23	1:156:A:VAL:HG13	19	0.84
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB1	9	0.84
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB2	9	0.84
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB3	9	0.84
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB1	12	0.84
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB2	12	0.84
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB3	12	0.84
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB1	13	0.84
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB2	13	0.84
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB3	13	0.84
(1,549)	1:74:A:LEU:HD21	1:155:A:LYS:HE2	7	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,549)	1:74:A:LEU:HD21	1:155:A:LYS:HE3	7	0.84
(1,549)	1:74:A:LEU:HD22	1:155:A:LYS:HE2	7	0.84
(1,549)	1:74:A:LEU:HD22	1:155:A:LYS:HE3	7	0.84
(1,549)	1:74:A:LEU:HD23	1:155:A:LYS:HE2	7	0.84
(1,549)	1:74:A:LEU:HD23	1:155:A:LYS:HE3	7	0.84
(1,549)	1:74:A:LEU:HD21	1:155:A:LYS:HE2	18	0.84
(1,549)	1:74:A:LEU:HD21	1:155:A:LYS:HE3	18	0.84
(1,549)	1:74:A:LEU:HD22	1:155:A:LYS:HE2	18	0.84
(1,549)	1:74:A:LEU:HD22	1:155:A:LYS:HE3	18	0.84
(1,549)	1:74:A:LEU:HD23	1:155:A:LYS:HE2	18	0.84
(1,549)	1:74:A:LEU:HD23	1:155:A:LYS:HE3	18	0.84
(1,409)	1:158:A:TYR:HB3	1:159:A:GLN:H	14	0.84
(1,403)	1:102:A:GLN:HB2	1:136:A:ARG:H	20	0.84
(1,229)	1:22:A:ALA:HA	1:58:A:LEU:HB3	9	0.84
(1,217)	1:3:A:THR:HB	1:145:A:PRO:HB2	11	0.84
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB1	11	0.84
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB2	11	0.84
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB3	11	0.84
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB1	13	0.84
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB2	13	0.84
(1,44)	1:101:A:VAL:HG21	1:148:A:ALA:HB3	13	0.84
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB1	13	0.84
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB2	13	0.84
(1,44)	1:101:A:VAL:HG22	1:148:A:ALA:HB3	13	0.84
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB1	13	0.84
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB2	13	0.84
(1,44)	1:101:A:VAL:HG23	1:148:A:ALA:HB3	13	0.84
(1,37)	1:20:A:ALA:HB1	1:65:A:VAL:HB	8	0.84
(1,37)	1:20:A:ALA:HB2	1:65:A:VAL:HB	8	0.84
(1,37)	1:20:A:ALA:HB3	1:65:A:VAL:HB	8	0.84
(1,37)	1:20:A:ALA:HB1	1:65:A:VAL:HB	14	0.84
(1,37)	1:20:A:ALA:HB2	1:65:A:VAL:HB	14	0.84
(1,37)	1:20:A:ALA:HB3	1:65:A:VAL:HB	14	0.84
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB1	2	0.84
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB2	2	0.84
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB3	2	0.84
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB1	3	0.83
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB2	3	0.83
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB3	3	0.83
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB1	3	0.83
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB2	3	0.83
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB3	3	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB1	3	0.83
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB2	3	0.83
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB3	3	0.83
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB1	3	0.83
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB2	3	0.83
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB3	3	0.83
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB1	3	0.83
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB2	3	0.83
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB3	3	0.83
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB1	3	0.83
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB2	3	0.83
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB3	3	0.83
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD1	11	0.83
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD2	11	0.83
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD1	11	0.83
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD2	11	0.83
(1,2903)	1:16:A:VAL:HG11	1:23:A:VAL:H	16	0.83
(1,2903)	1:16:A:VAL:HG12	1:23:A:VAL:H	16	0.83
(1,2903)	1:16:A:VAL:HG13	1:23:A:VAL:H	16	0.83
(1,2903)	1:16:A:VAL:HG21	1:23:A:VAL:H	16	0.83
(1,2903)	1:16:A:VAL:HG22	1:23:A:VAL:H	16	0.83
(1,2903)	1:16:A:VAL:HG23	1:23:A:VAL:H	16	0.83
(1,2299)	1:30:A:GLN:HG2	1:31:A:THR:H	3	0.83
(1,2299)	1:30:A:GLN:HG2	1:31:A:THR:H	12	0.83
(1,2299)	1:30:A:GLN:HG2	1:31:A:THR:H	14	0.83
(1,2240)	1:20:A:ALA:HA	1:65:A:VAL:HB	19	0.83
(1,2041)	1:10:A:VAL:H	1:32:A:VAL:HB	19	0.83
(1,1680)	1:32:A:VAL:HG11	1:33:A:GLN:H	16	0.83
(1,1680)	1:32:A:VAL:HG12	1:33:A:GLN:H	16	0.83
(1,1680)	1:32:A:VAL:HG13	1:33:A:GLN:H	16	0.83
(1,1628)	1:156:A:VAL:HG11	1:157:A:GLN:HA	1	0.83
(1,1628)	1:156:A:VAL:HG12	1:157:A:GLN:HA	1	0.83
(1,1628)	1:156:A:VAL:HG13	1:157:A:GLN:HA	1	0.83
(1,1628)	1:156:A:VAL:HG11	1:157:A:GLN:HA	5	0.83
(1,1628)	1:156:A:VAL:HG12	1:157:A:GLN:HA	5	0.83
(1,1628)	1:156:A:VAL:HG13	1:157:A:GLN:HA	5	0.83
(1,1628)	1:156:A:VAL:HG11	1:157:A:GLN:HA	6	0.83
(1,1628)	1:156:A:VAL:HG12	1:157:A:GLN:HA	6	0.83
(1,1628)	1:156:A:VAL:HG13	1:157:A:GLN:HA	6	0.83
(1,1563)	1:12:A:PHE:HB3	1:14:A:GLY:H	1	0.83
(1,1408)	1:8:A:GLY:HA2	1:34:A:LEU:HB3	8	0.83
(1,1085)	1:34:A:LEU:HA	1:52:A:VAL:HB	14	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,916)	1:101:A:VAL:HG11	1:137:A:TYR:HA	15	0.83
(1,916)	1:101:A:VAL:HG12	1:137:A:TYR:HA	15	0.83
(1,916)	1:101:A:VAL:HG13	1:137:A:TYR:HA	15	0.83
(1,875)	1:61:A:CYS:HB2	1:126:A:ASN:HA	10	0.83
(1,875)	1:61:A:CYS:HB2	1:126:A:ASN:HA	16	0.83
(1,772)	1:86:A:LEU:HB2	1:101:A:VAL:HB	11	0.83
(1,772)	1:86:A:LEU:HB3	1:101:A:VAL:HB	11	0.83
(1,772)	1:86:A:LEU:HB2	1:101:A:VAL:HB	14	0.83
(1,772)	1:86:A:LEU:HB3	1:101:A:VAL:HB	14	0.83
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB1	4	0.83
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB2	4	0.83
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB3	4	0.83
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB1	20	0.83
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB2	20	0.83
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB3	20	0.83
(1,549)	1:74:A:LEU:HD21	1:155:A:LYS:HE2	6	0.83
(1,549)	1:74:A:LEU:HD21	1:155:A:LYS:HE3	6	0.83
(1,549)	1:74:A:LEU:HD22	1:155:A:LYS:HE2	6	0.83
(1,549)	1:74:A:LEU:HD22	1:155:A:LYS:HE3	6	0.83
(1,549)	1:74:A:LEU:HD23	1:155:A:LYS:HE2	6	0.83
(1,549)	1:74:A:LEU:HD23	1:155:A:LYS:HE3	6	0.83
(1,549)	1:74:A:LEU:HD21	1:155:A:LYS:HE2	8	0.83
(1,549)	1:74:A:LEU:HD21	1:155:A:LYS:HE3	8	0.83
(1,549)	1:74:A:LEU:HD22	1:155:A:LYS:HE2	8	0.83
(1,549)	1:74:A:LEU:HD22	1:155:A:LYS:HE3	8	0.83
(1,549)	1:74:A:LEU:HD23	1:155:A:LYS:HE2	8	0.83
(1,549)	1:74:A:LEU:HD23	1:155:A:LYS:HE3	8	0.83
(1,425)	1:74:A:LEU:HD21	1:153:A:THR:HB	13	0.83
(1,425)	1:74:A:LEU:HD22	1:153:A:THR:HB	13	0.83
(1,425)	1:74:A:LEU:HD23	1:153:A:THR:HB	13	0.83
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB1	16	0.83
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB2	16	0.83
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB3	16	0.83
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB1	19	0.83
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB2	19	0.83
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB3	19	0.83
(1,217)	1:3:A:THR:HB	1:145:A:PRO:HB2	3	0.83
(1,36)	1:137:A:TYR:HD1	1:148:A:ALA:HA	13	0.83
(1,36)	1:137:A:TYR:HD2	1:148:A:ALA:HA	13	0.83
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD1	9	0.82
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD2	9	0.82
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD1	9	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD2	9	0.82
(1,2903)	1:16:A:VAL:HG11	1:23:A:VAL:H	1	0.82
(1,2903)	1:16:A:VAL:HG12	1:23:A:VAL:H	1	0.82
(1,2903)	1:16:A:VAL:HG13	1:23:A:VAL:H	1	0.82
(1,2903)	1:16:A:VAL:HG21	1:23:A:VAL:H	1	0.82
(1,2903)	1:16:A:VAL:HG22	1:23:A:VAL:H	1	0.82
(1,2903)	1:16:A:VAL:HG23	1:23:A:VAL:H	1	0.82
(1,2312)	1:32:A:VAL:HG11	1:52:A:VAL:H	6	0.82
(1,2312)	1:32:A:VAL:HG12	1:52:A:VAL:H	6	0.82
(1,2312)	1:32:A:VAL:HG13	1:52:A:VAL:H	6	0.82
(1,2240)	1:20:A:ALA:HA	1:65:A:VAL:HB	18	0.82
(1,2229)	1:18:A:ASN:H	1:18:A:ASN:HD21	15	0.82
(1,2226)	1:16:A:VAL:HA	1:156:A:VAL:H	6	0.82
(1,2041)	1:10:A:VAL:H	1:32:A:VAL:HB	4	0.82
(1,1989)	1:102:A:GLN:HB3	1:136:A:ARG:H	18	0.82
(1,1681)	1:32:A:VAL:HG11	1:52:A:VAL:HB	2	0.82
(1,1681)	1:32:A:VAL:HG12	1:52:A:VAL:HB	2	0.82
(1,1681)	1:32:A:VAL:HG13	1:52:A:VAL:HB	2	0.82
(1,1628)	1:156:A:VAL:HG11	1:157:A:GLN:HA	10	0.82
(1,1628)	1:156:A:VAL:HG12	1:157:A:GLN:HA	10	0.82
(1,1628)	1:156:A:VAL:HG13	1:157:A:GLN:HA	10	0.82
(1,1628)	1:156:A:VAL:HG11	1:157:A:GLN:HA	11	0.82
(1,1628)	1:156:A:VAL:HG12	1:157:A:GLN:HA	11	0.82
(1,1628)	1:156:A:VAL:HG13	1:157:A:GLN:HA	11	0.82
(1,1563)	1:12:A:PHE:HB3	1:14:A:GLY:H	9	0.82
(1,1438)	1:101:A:VAL:HG11	1:102:A:GLN:H	7	0.82
(1,1438)	1:101:A:VAL:HG12	1:102:A:GLN:H	7	0.82
(1,1438)	1:101:A:VAL:HG13	1:102:A:GLN:H	7	0.82
(1,875)	1:61:A:CYS:HB2	1:126:A:ASN:HA	3	0.82
(1,866)	1:56:A:ILE:H	1:133:A:PHE:HB2	13	0.82
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG21	20	0.82
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG22	20	0.82
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG23	20	0.82
(1,772)	1:86:A:LEU:HB2	1:101:A:VAL:HB	20	0.82
(1,772)	1:86:A:LEU:HB3	1:101:A:VAL:HB	20	0.82
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB1	10	0.82
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB2	10	0.82
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB3	10	0.82
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB1	16	0.82
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB2	16	0.82
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB3	16	0.82
(1,409)	1:158:A:TYR:HB3	1:159:A:GLN:H	9	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,409)	1:158:A:TYR:HB3	1:159:A:GLN:H	10	0.82
(1,403)	1:102:A:GLN:HB2	1:136:A:ARG:H	15	0.82
(1,229)	1:22:A:ALA:HA	1:58:A:LEU:HB3	10	0.82
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB1	11	0.82
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB2	11	0.82
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB3	11	0.82
(1,79)	1:125:A:ASN:HD21	1:129:A:ASN:HD22	12	0.82
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB1	18	0.82
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB2	18	0.82
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB3	18	0.82
(1,37)	1:20:A:ALA:HB1	1:65:A:VAL:HB	9	0.82
(1,37)	1:20:A:ALA:HB2	1:65:A:VAL:HB	9	0.82
(1,37)	1:20:A:ALA:HB3	1:65:A:VAL:HB	9	0.82
(1,36)	1:137:A:TYR:HD1	1:148:A:ALA:HA	16	0.82
(1,36)	1:137:A:TYR:HD2	1:148:A:ALA:HA	16	0.82
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG11	17	0.81
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG12	17	0.81
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG13	17	0.81
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG11	17	0.81
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG12	17	0.81
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG13	17	0.81
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG11	17	0.81
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG12	17	0.81
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG13	17	0.81
(1,2356)	1:3:A:THR:HB	1:145:A:PRO:HB3	6	0.81
(1,2226)	1:16:A:VAL:HA	1:156:A:VAL:H	3	0.81
(1,1989)	1:102:A:GLN:HB3	1:136:A:ARG:H	6	0.81
(1,1681)	1:32:A:VAL:HG11	1:52:A:VAL:HB	17	0.81
(1,1681)	1:32:A:VAL:HG12	1:52:A:VAL:HB	17	0.81
(1,1681)	1:32:A:VAL:HG13	1:52:A:VAL:HB	17	0.81
(1,1680)	1:32:A:VAL:HG11	1:33:A:GLN:H	11	0.81
(1,1680)	1:32:A:VAL:HG12	1:33:A:GLN:H	11	0.81
(1,1680)	1:32:A:VAL:HG13	1:33:A:GLN:H	11	0.81
(1,1563)	1:12:A:PHE:HB3	1:14:A:GLY:H	4	0.81
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG21	5	0.81
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG22	5	0.81
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG23	5	0.81
(1,1198)	1:10:A:VAL:HB	1:150:A:ALA:H	17	0.81
(1,1099)	1:48:A:THR:HG21	1:136:A:ARG:HG2	12	0.81
(1,1099)	1:48:A:THR:HG21	1:136:A:ARG:HG3	12	0.81
(1,1099)	1:48:A:THR:HG22	1:136:A:ARG:HG2	12	0.81
(1,1099)	1:48:A:THR:HG22	1:136:A:ARG:HG3	12	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1099)	1:48:A:THR:HG23	1:136:A:ARG:HG2	12	0.81
(1,1099)	1:48:A:THR:HG23	1:136:A:ARG:HG3	12	0.81
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG21	19	0.81
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG22	19	0.81
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG23	19	0.81
(1,916)	1:101:A:VAL:HG11	1:137:A:TYR:HA	8	0.81
(1,916)	1:101:A:VAL:HG12	1:137:A:TYR:HA	8	0.81
(1,916)	1:101:A:VAL:HG13	1:137:A:TYR:HA	8	0.81
(1,772)	1:86:A:LEU:HB2	1:101:A:VAL:HB	18	0.81
(1,772)	1:86:A:LEU:HB3	1:101:A:VAL:HB	18	0.81
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB1	1	0.81
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB2	1	0.81
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB3	1	0.81
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB1	3	0.81
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB2	3	0.81
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB3	3	0.81
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD2	19	0.81
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD3	19	0.81
(1,409)	1:158:A:TYR:HB3	1:159:A:GLN:H	3	0.81
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB1	11	0.81
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB2	11	0.81
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB3	11	0.81
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB1	20	0.81
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB2	20	0.81
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB3	20	0.81
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB1	8	0.81
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB2	8	0.81
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB3	8	0.81
(1,37)	1:20:A:ALA:HB1	1:65:A:VAL:HB	7	0.81
(1,37)	1:20:A:ALA:HB2	1:65:A:VAL:HB	7	0.81
(1,37)	1:20:A:ALA:HB3	1:65:A:VAL:HB	7	0.81
(1,36)	1:137:A:TYR:HD1	1:148:A:ALA:HA	14	0.81
(1,36)	1:137:A:TYR:HD2	1:148:A:ALA:HA	14	0.81
(1,1)	1:112:A:THR:HB	1:116:A:ALA:H	16	0.81
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB1	7	0.8
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB2	7	0.8
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB3	7	0.8
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB1	7	0.8
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB2	7	0.8
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB3	7	0.8
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB1	7	0.8
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB2	7	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB3	7	0.8
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB1	7	0.8
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB2	7	0.8
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB3	7	0.8
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB1	7	0.8
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB2	7	0.8
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB3	7	0.8
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB1	7	0.8
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB2	7	0.8
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB3	7	0.8
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB1	9	0.8
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB2	9	0.8
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB3	9	0.8
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB1	9	0.8
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB2	9	0.8
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB3	9	0.8
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB1	9	0.8
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB2	9	0.8
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB3	9	0.8
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB1	9	0.8
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB2	9	0.8
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB3	9	0.8
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB1	9	0.8
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB2	9	0.8
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB3	9	0.8
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB1	9	0.8
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB2	9	0.8
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB3	9	0.8
(1,3287)	1:78:A:ILE:HG21	1:102:A:GLN:HG2	17	0.8
(1,3287)	1:78:A:ILE:HG21	1:102:A:GLN:HG3	17	0.8
(1,3287)	1:78:A:ILE:HG22	1:102:A:GLN:HG2	17	0.8
(1,3287)	1:78:A:ILE:HG22	1:102:A:GLN:HG3	17	0.8
(1,3287)	1:78:A:ILE:HG23	1:102:A:GLN:HG2	17	0.8
(1,3287)	1:78:A:ILE:HG23	1:102:A:GLN:HG3	17	0.8
(1,2904)	1:16:A:VAL:HG11	1:23:A:VAL:HB	13	0.8
(1,2904)	1:16:A:VAL:HG12	1:23:A:VAL:HB	13	0.8
(1,2904)	1:16:A:VAL:HG13	1:23:A:VAL:HB	13	0.8
(1,2904)	1:16:A:VAL:HG21	1:23:A:VAL:HB	13	0.8
(1,2904)	1:16:A:VAL:HG22	1:23:A:VAL:HB	13	0.8
(1,2904)	1:16:A:VAL:HG23	1:23:A:VAL:HB	13	0.8
(1,2356)	1:3:A:THR:HB	1:145:A:PRO:HB3	3	0.8
(1,2226)	1:16:A:VAL:HA	1:156:A:VAL:H	13	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1989)	1:102:A:GLN:HB3	1:136:A:ARG:H	2	0.8
(1,1680)	1:32:A:VAL:HG11	1:33:A:GLN:H	4	0.8
(1,1680)	1:32:A:VAL:HG12	1:33:A:GLN:H	4	0.8
(1,1680)	1:32:A:VAL:HG13	1:33:A:GLN:H	4	0.8
(1,1628)	1:156:A:VAL:HG11	1:157:A:GLN:HA	4	0.8
(1,1628)	1:156:A:VAL:HG12	1:157:A:GLN:HA	4	0.8
(1,1628)	1:156:A:VAL:HG13	1:157:A:GLN:HA	4	0.8
(1,1563)	1:12:A:PHE:HB3	1:14:A:GLY:H	6	0.8
(1,875)	1:61:A:CYS:HB2	1:126:A:ASN:HA	4	0.8
(1,875)	1:61:A:CYS:HB2	1:126:A:ASN:HA	11	0.8
(1,772)	1:86:A:LEU:HB2	1:101:A:VAL:HB	3	0.8
(1,772)	1:86:A:LEU:HB3	1:101:A:VAL:HB	3	0.8
(1,772)	1:86:A:LEU:HB2	1:101:A:VAL:HB	5	0.8
(1,772)	1:86:A:LEU:HB3	1:101:A:VAL:HB	5	0.8
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB1	5	0.8
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB2	5	0.8
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB3	5	0.8
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB1	14	0.8
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB2	14	0.8
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB3	14	0.8
(1,517)	1:88:A:LEU:HD21	1:149:A:ASN:H	4	0.8
(1,517)	1:88:A:LEU:HD22	1:149:A:ASN:H	4	0.8
(1,517)	1:88:A:LEU:HD23	1:149:A:ASN:H	4	0.8
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD2	3	0.8
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD3	3	0.8
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD2	9	0.8
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD3	9	0.8
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD2	14	0.8
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD3	14	0.8
(1,419)	1:56:A:ILE:H	1:133:A:PHE:HB3	17	0.8
(1,409)	1:158:A:TYR:HB3	1:159:A:GLN:H	1	0.8
(1,357)	1:10:A:VAL:HA	1:149:A:ASN:HB3	16	0.8
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB1	2	0.8
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB2	2	0.8
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB3	2	0.8
(1,229)	1:22:A:ALA:HA	1:58:A:LEU:HB3	6	0.8
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB1	15	0.8
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB2	15	0.8
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB3	15	0.8
(1,3498)	1:159:A:GLN:H	1:159:A:GLN:HG2	8	0.79
(1,3498)	1:159:A:GLN:H	1:159:A:GLN:HG3	8	0.79
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB1	4	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB2	4	0.79
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB3	4	0.79
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB1	4	0.79
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB2	4	0.79
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB3	4	0.79
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB1	4	0.79
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB2	4	0.79
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB3	4	0.79
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB1	4	0.79
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB2	4	0.79
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB3	4	0.79
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB1	4	0.79
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB2	4	0.79
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB3	4	0.79
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB1	4	0.79
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB2	4	0.79
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB3	4	0.79
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB1	10	0.79
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB2	10	0.79
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB3	10	0.79
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB1	10	0.79
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB2	10	0.79
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB3	10	0.79
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB1	10	0.79
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB2	10	0.79
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB3	10	0.79
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB1	10	0.79
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB2	10	0.79
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB3	10	0.79
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB1	10	0.79
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB2	10	0.79
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB3	10	0.79
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB1	10	0.79
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB2	10	0.79
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB3	10	0.79
(1,2903)	1:16:A:VAL:HG11	1:23:A:VAL:H	17	0.79
(1,2903)	1:16:A:VAL:HG12	1:23:A:VAL:H	17	0.79
(1,2903)	1:16:A:VAL:HG13	1:23:A:VAL:H	17	0.79
(1,2903)	1:16:A:VAL:HG21	1:23:A:VAL:H	17	0.79
(1,2903)	1:16:A:VAL:HG22	1:23:A:VAL:H	17	0.79
(1,2903)	1:16:A:VAL:HG23	1:23:A:VAL:H	17	0.79
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG11	2	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG12	2	0.79
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG13	2	0.79
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG11	2	0.79
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG12	2	0.79
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG13	2	0.79
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG11	2	0.79
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG12	2	0.79
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG13	2	0.79
(1,2299)	1:30:A:GLN:HG2	1:31:A:THR:H	18	0.79
(1,2299)	1:30:A:GLN:HG2	1:31:A:THR:H	19	0.79
(1,2240)	1:20:A:ALA:HA	1:65:A:VAL:HB	7	0.79
(1,2226)	1:16:A:VAL:HA	1:156:A:VAL:H	18	0.79
(1,1688)	1:34:A:LEU:HD21	1:136:A:ARG:H	15	0.79
(1,1688)	1:34:A:LEU:HD22	1:136:A:ARG:H	15	0.79
(1,1688)	1:34:A:LEU:HD23	1:136:A:ARG:H	15	0.79
(1,1628)	1:156:A:VAL:HG11	1:157:A:GLN:HA	7	0.79
(1,1628)	1:156:A:VAL:HG12	1:157:A:GLN:HA	7	0.79
(1,1628)	1:156:A:VAL:HG13	1:157:A:GLN:HA	7	0.79
(1,1563)	1:12:A:PHE:HB3	1:14:A:GLY:H	5	0.79
(1,1408)	1:8:A:GLY:HA2	1:34:A:LEU:HB3	7	0.79
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG21	10	0.79
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG22	10	0.79
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG23	10	0.79
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG21	11	0.79
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG22	11	0.79
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG23	11	0.79
(1,1289)	1:32:A:VAL:HG21	1:55:A:ASN:H	2	0.79
(1,1289)	1:32:A:VAL:HG22	1:55:A:ASN:H	2	0.79
(1,1289)	1:32:A:VAL:HG23	1:55:A:ASN:H	2	0.79
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB2	16	0.79
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB3	16	0.79
(1,866)	1:56:A:ILE:H	1:133:A:PHE:HB2	9	0.79
(1,772)	1:86:A:LEU:HB2	1:101:A:VAL:HB	15	0.79
(1,772)	1:86:A:LEU:HB3	1:101:A:VAL:HB	15	0.79
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG11	5	0.79
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG12	5	0.79
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG13	5	0.79
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB1	19	0.79
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB2	19	0.79
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB3	19	0.79
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD2	1	0.79
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD3	1	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD2	13	0.79
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD3	13	0.79
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD2	16	0.79
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD3	16	0.79
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD2	18	0.79
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD3	18	0.79
(1,409)	1:158:A:TYR:HB3	1:159:A:GLN:H	6	0.79
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB1	1	0.79
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB2	1	0.79
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB3	1	0.79
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB1	12	0.79
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB2	12	0.79
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB3	12	0.79
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB1	16	0.79
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB2	16	0.79
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB3	16	0.79
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB1	17	0.79
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB2	17	0.79
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB3	17	0.79
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG21	14	0.79
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG22	14	0.79
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG23	14	0.79
(1,76)	1:69:A:ALA:HA	1:159:A:GLN:H	15	0.79
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG11	1	0.79
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG12	1	0.79
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG13	1	0.79
(1,37)	1:20:A:ALA:HB1	1:65:A:VAL:HB	2	0.79
(1,37)	1:20:A:ALA:HB2	1:65:A:VAL:HB	2	0.79
(1,37)	1:20:A:ALA:HB3	1:65:A:VAL:HB	2	0.79
(1,36)	1:137:A:TYR:HD1	1:148:A:ALA:HA	7	0.79
(1,36)	1:137:A:TYR:HD2	1:148:A:ALA:HA	7	0.79
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD11	20	0.78
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD12	20	0.78
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD13	20	0.78
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD11	20	0.78
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD12	20	0.78
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD13	20	0.78
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD11	20	0.78
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD12	20	0.78
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD13	20	0.78
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD11	20	0.78
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD12	20	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD13	20	0.78
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD11	20	0.78
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD12	20	0.78
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD13	20	0.78
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD11	20	0.78
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD12	20	0.78
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD13	20	0.78
(1,2623)	1:77:A:ALA:HB1	1:81:A:GLY:H	1	0.78
(1,2623)	1:77:A:ALA:HB2	1:81:A:GLY:H	1	0.78
(1,2623)	1:77:A:ALA:HB3	1:81:A:GLY:H	1	0.78
(1,2229)	1:18:A:ASN:H	1:18:A:ASN:HD21	8	0.78
(1,2226)	1:16:A:VAL:HA	1:156:A:VAL:H	15	0.78
(1,2044)	1:10:A:VAL:HB	1:32:A:VAL:HB	6	0.78
(1,1680)	1:32:A:VAL:HG11	1:33:A:GLN:H	9	0.78
(1,1680)	1:32:A:VAL:HG12	1:33:A:GLN:H	9	0.78
(1,1680)	1:32:A:VAL:HG13	1:33:A:GLN:H	9	0.78
(1,1640)	1:18:A:ASN:HD21	1:19:A:ALA:H	12	0.78
(1,1396)	1:7:A:GLY:HA3	1:37:A:VAL:H	16	0.78
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD1	15	0.78
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD2	15	0.78
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG21	13	0.78
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG22	13	0.78
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG23	13	0.78
(1,949)	1:14:A:GLY:HA3	1:155:A:LYS:HA	4	0.78
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG21	16	0.78
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG22	16	0.78
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG23	16	0.78
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG21	16	0.78
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG22	16	0.78
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG23	16	0.78
(1,916)	1:101:A:VAL:HG11	1:137:A:TYR:HA	2	0.78
(1,916)	1:101:A:VAL:HG12	1:137:A:TYR:HA	2	0.78
(1,916)	1:101:A:VAL:HG13	1:137:A:TYR:HA	2	0.78
(1,916)	1:101:A:VAL:HG11	1:137:A:TYR:HA	9	0.78
(1,916)	1:101:A:VAL:HG12	1:137:A:TYR:HA	9	0.78
(1,916)	1:101:A:VAL:HG13	1:137:A:TYR:HA	9	0.78
(1,916)	1:101:A:VAL:HG11	1:137:A:TYR:HA	14	0.78
(1,916)	1:101:A:VAL:HG12	1:137:A:TYR:HA	14	0.78
(1,916)	1:101:A:VAL:HG13	1:137:A:TYR:HA	14	0.78
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG21	16	0.78
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG22	16	0.78
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG23	16	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,782)	1:97:A:THR:HA	1:99:A:VAL:HB	7	0.78
(1,759)	1:66:A:ALA:HB1	1:159:A:GLN:H	18	0.78
(1,759)	1:66:A:ALA:HB2	1:159:A:GLN:H	18	0.78
(1,759)	1:66:A:ALA:HB3	1:159:A:GLN:H	18	0.78
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD2	5	0.78
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD3	5	0.78
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD2	8	0.78
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD3	8	0.78
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD2	17	0.78
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD3	17	0.78
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD2	20	0.78
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD3	20	0.78
(1,409)	1:158:A:TYR:HB3	1:159:A:GLN:H	13	0.78
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB1	14	0.78
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB2	14	0.78
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB3	14	0.78
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB1	6	0.78
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB2	6	0.78
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB3	6	0.78
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB2	11	0.78
(1,9)	1:6:A:ASN:HD22	1:36:A:GLN:HB3	11	0.78
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB1	10	0.78
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB2	10	0.78
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB3	10	0.78
(1,2903)	1:16:A:VAL:HG11	1:23:A:VAL:H	4	0.77
(1,2903)	1:16:A:VAL:HG12	1:23:A:VAL:H	4	0.77
(1,2903)	1:16:A:VAL:HG13	1:23:A:VAL:H	4	0.77
(1,2903)	1:16:A:VAL:HG21	1:23:A:VAL:H	4	0.77
(1,2903)	1:16:A:VAL:HG22	1:23:A:VAL:H	4	0.77
(1,2903)	1:16:A:VAL:HG23	1:23:A:VAL:H	4	0.77
(1,2879)	1:13:A:LYS:HD2	1:153:A:THR:HG21	12	0.77
(1,2879)	1:13:A:LYS:HD2	1:153:A:THR:HG22	12	0.77
(1,2879)	1:13:A:LYS:HD2	1:153:A:THR:HG23	12	0.77
(1,2879)	1:13:A:LYS:HD3	1:153:A:THR:HG21	12	0.77
(1,2879)	1:13:A:LYS:HD3	1:153:A:THR:HG22	12	0.77
(1,2879)	1:13:A:LYS:HD3	1:153:A:THR:HG23	12	0.77
(1,2623)	1:77:A:ALA:HB1	1:81:A:GLY:H	10	0.77
(1,2623)	1:77:A:ALA:HB2	1:81:A:GLY:H	10	0.77
(1,2623)	1:77:A:ALA:HB3	1:81:A:GLY:H	10	0.77
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG11	5	0.77
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG12	5	0.77
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG13	5	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG11	5	0.77
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG12	5	0.77
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG13	5	0.77
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG11	5	0.77
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG12	5	0.77
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG13	5	0.77
(1,2240)	1:20:A:ALA:HA	1:65:A:VAL:HB	12	0.77
(1,2240)	1:20:A:ALA:HA	1:65:A:VAL:HB	13	0.77
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE1	17	0.77
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE2	17	0.77
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE1	17	0.77
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE2	17	0.77
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE1	17	0.77
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE2	17	0.77
(1,2041)	1:10:A:VAL:H	1:32:A:VAL:HB	10	0.77
(1,1989)	1:102:A:GLN:HB3	1:136:A:ARG:H	10	0.77
(1,1563)	1:12:A:PHE:HB3	1:14:A:GLY:H	18	0.77
(1,1396)	1:7:A:GLY:HA3	1:37:A:VAL:H	6	0.77
(1,1396)	1:7:A:GLY:HA3	1:37:A:VAL:H	7	0.77
(1,1396)	1:7:A:GLY:HA3	1:37:A:VAL:H	9	0.77
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG21	3	0.77
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG22	3	0.77
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG23	3	0.77
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD1	20	0.77
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD2	20	0.77
(1,949)	1:14:A:GLY:HA3	1:155:A:LYS:HA	17	0.77
(1,875)	1:61:A:CYS:HB2	1:126:A:ASN:HA	13	0.77
(1,517)	1:88:A:LEU:HD21	1:149:A:ASN:H	20	0.77
(1,517)	1:88:A:LEU:HD22	1:149:A:ASN:H	20	0.77
(1,517)	1:88:A:LEU:HD23	1:149:A:ASN:H	20	0.77
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD2	10	0.77
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD3	10	0.77
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD2	12	0.77
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD3	12	0.77
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB1	5	0.77
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB2	5	0.77
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB3	5	0.77
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB1	7	0.77
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB2	7	0.77
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB3	7	0.77
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG21	8	0.77
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG22	8	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG23	8	0.77
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG21	20	0.77
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG22	20	0.77
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG23	20	0.77
(1,37)	1:20:A:ALA:HB1	1:65:A:VAL:HB	4	0.77
(1,37)	1:20:A:ALA:HB2	1:65:A:VAL:HB	4	0.77
(1,37)	1:20:A:ALA:HB3	1:65:A:VAL:HB	4	0.77
(1,37)	1:20:A:ALA:HB1	1:65:A:VAL:HB	5	0.77
(1,37)	1:20:A:ALA:HB2	1:65:A:VAL:HB	5	0.77
(1,37)	1:20:A:ALA:HB3	1:65:A:VAL:HB	5	0.77
(1,37)	1:20:A:ALA:HB1	1:65:A:VAL:HB	10	0.77
(1,37)	1:20:A:ALA:HB2	1:65:A:VAL:HB	10	0.77
(1,37)	1:20:A:ALA:HB3	1:65:A:VAL:HB	10	0.77
(1,1)	1:112:A:THR:HB	1:116:A:ALA:H	18	0.77
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG11	7	0.76
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG12	7	0.76
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG13	7	0.76
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG21	7	0.76
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG22	7	0.76
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG23	7	0.76
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG11	7	0.76
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG12	7	0.76
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG13	7	0.76
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG21	7	0.76
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG22	7	0.76
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG23	7	0.76
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG11	7	0.76
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG12	7	0.76
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG13	7	0.76
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG21	7	0.76
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG22	7	0.76
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG23	7	0.76
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG11	7	0.76
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG12	7	0.76
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG13	7	0.76
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG21	7	0.76
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG22	7	0.76
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG23	7	0.76
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG11	7	0.76
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG12	7	0.76
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG13	7	0.76
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG21	7	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG22	7	0.76
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG23	7	0.76
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG11	7	0.76
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG12	7	0.76
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG13	7	0.76
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG21	7	0.76
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG22	7	0.76
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG23	7	0.76
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD1	10	0.76
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD2	10	0.76
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD1	10	0.76
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD2	10	0.76
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD1	14	0.76
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD2	14	0.76
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD1	14	0.76
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD2	14	0.76
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE1	12	0.76
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE2	12	0.76
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE1	12	0.76
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE2	12	0.76
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE1	12	0.76
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE2	12	0.76
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE1	12	0.76
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE2	12	0.76
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE1	12	0.76
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE2	12	0.76
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE1	12	0.76
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE2	12	0.76
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE1	16	0.76
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE2	16	0.76
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE1	16	0.76
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE2	16	0.76
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE1	16	0.76
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE2	16	0.76
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE1	16	0.76
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE2	16	0.76
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE1	16	0.76
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE2	16	0.76
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE1	16	0.76
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE2	16	0.76
(1,2602)	1:74:A:LEU:HB2	1:153:A:THR:HB	13	0.76
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG11	15	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG12	15	0.76
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG13	15	0.76
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG11	15	0.76
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG12	15	0.76
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG13	15	0.76
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG11	15	0.76
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG12	15	0.76
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG13	15	0.76
(1,2356)	1:3:A:THR:HB	1:145:A:PRO:HB3	11	0.76
(1,2356)	1:3:A:THR:HB	1:145:A:PRO:HB3	16	0.76
(1,2240)	1:20:A:ALA:HA	1:65:A:VAL:HB	4	0.76
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE1	12	0.76
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE2	12	0.76
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE1	12	0.76
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE2	12	0.76
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE1	12	0.76
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE2	12	0.76
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD1	20	0.76
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD2	20	0.76
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD1	20	0.76
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD2	20	0.76
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD1	20	0.76
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD2	20	0.76
(1,2041)	1:10:A:VAL:H	1:32:A:VAL:HB	12	0.76
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB1	15	0.76
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB2	15	0.76
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB3	15	0.76
(1,1681)	1:32:A:VAL:HG11	1:52:A:VAL:HB	1	0.76
(1,1681)	1:32:A:VAL:HG12	1:52:A:VAL:HB	1	0.76
(1,1681)	1:32:A:VAL:HG13	1:52:A:VAL:HB	1	0.76
(1,1630)	1:157:A:GLN:HA	1:158:A:TYR:HB2	12	0.76
(1,1613)	1:14:A:GLY:H	1:154:A:PHE:H	9	0.76
(1,1438)	1:101:A:VAL:HG11	1:102:A:GLN:H	1	0.76
(1,1438)	1:101:A:VAL:HG12	1:102:A:GLN:H	1	0.76
(1,1438)	1:101:A:VAL:HG13	1:102:A:GLN:H	1	0.76
(1,1396)	1:7:A:GLY:HA3	1:37:A:VAL:H	12	0.76
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB2	4	0.76
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB3	4	0.76
(1,916)	1:101:A:VAL:HG11	1:137:A:TYR:HA	17	0.76
(1,916)	1:101:A:VAL:HG12	1:137:A:TYR:HA	17	0.76
(1,916)	1:101:A:VAL:HG13	1:137:A:TYR:HA	17	0.76
(1,866)	1:56:A:ILE:H	1:133:A:PHE:HB2	14	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,772)	1:86:A:LEU:HB2	1:101:A:VAL:HB	1	0.76
(1,772)	1:86:A:LEU:HB3	1:101:A:VAL:HB	1	0.76
(1,772)	1:86:A:LEU:HB2	1:101:A:VAL:HB	13	0.76
(1,772)	1:86:A:LEU:HB3	1:101:A:VAL:HB	13	0.76
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG11	11	0.76
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG12	11	0.76
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG13	11	0.76
(1,517)	1:88:A:LEU:HD21	1:149:A:ASN:H	12	0.76
(1,517)	1:88:A:LEU:HD22	1:149:A:ASN:H	12	0.76
(1,517)	1:88:A:LEU:HD23	1:149:A:ASN:H	12	0.76
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD2	15	0.76
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD3	15	0.76
(1,403)	1:102:A:GLN:HB2	1:136:A:ARG:H	4	0.76
(1,295)	1:39:A:THR:HA	1:42:A:LEU:HG	5	0.76
(1,269)	1:34:A:LEU:HA	1:52:A:VAL:HA	14	0.76
(1,229)	1:22:A:ALA:HA	1:58:A:LEU:HB3	18	0.76
(1,131)	1:14:A:GLY:HA2	1:154:A:PHE:H	8	0.76
(1,76)	1:69:A:ALA:HA	1:159:A:GLN:H	17	0.76
(1,63)	1:20:A:ALA:HB1	1:63:A:THR:H	14	0.76
(1,63)	1:20:A:ALA:HB2	1:63:A:THR:H	14	0.76
(1,63)	1:20:A:ALA:HB3	1:63:A:THR:H	14	0.76
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB1	15	0.76
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB2	15	0.76
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB3	15	0.76
(1,50)	1:24:A:ASP:H	1:28:A:VAL:H	5	0.76
(1,37)	1:20:A:ALA:HB1	1:65:A:VAL:HB	16	0.76
(1,37)	1:20:A:ALA:HB2	1:65:A:VAL:HB	16	0.76
(1,37)	1:20:A:ALA:HB3	1:65:A:VAL:HB	16	0.76
(1,8)	1:13:A:LYS:HD2	1:153:A:THR:HG21	4	0.76
(1,8)	1:13:A:LYS:HD2	1:153:A:THR:HG22	4	0.76
(1,8)	1:13:A:LYS:HD2	1:153:A:THR:HG23	4	0.76
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB1	2	0.75
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB2	2	0.75
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB3	2	0.75
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB1	2	0.75
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB2	2	0.75
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB3	2	0.75
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB1	2	0.75
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB2	2	0.75
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB3	2	0.75
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB1	2	0.75
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB2	2	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB3	2	0.75
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB1	2	0.75
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB2	2	0.75
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB3	2	0.75
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB1	2	0.75
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB2	2	0.75
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB3	2	0.75
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB1	11	0.75
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB2	11	0.75
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB3	11	0.75
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB1	11	0.75
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB2	11	0.75
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB3	11	0.75
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB1	11	0.75
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB2	11	0.75
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB3	11	0.75
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB1	11	0.75
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB2	11	0.75
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB3	11	0.75
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB1	11	0.75
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB2	11	0.75
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB3	11	0.75
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB1	11	0.75
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB2	11	0.75
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB3	11	0.75
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG11	11	0.75
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG12	11	0.75
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG13	11	0.75
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG21	11	0.75
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG22	11	0.75
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG23	11	0.75
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG11	11	0.75
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG12	11	0.75
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG13	11	0.75
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG21	11	0.75
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG22	11	0.75
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG23	11	0.75
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG11	11	0.75
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG12	11	0.75
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG13	11	0.75
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG21	11	0.75
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG22	11	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG23	11	0.75
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG11	11	0.75
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG12	11	0.75
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG13	11	0.75
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG21	11	0.75
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG22	11	0.75
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG23	11	0.75
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG11	11	0.75
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG12	11	0.75
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG13	11	0.75
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG21	11	0.75
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG22	11	0.75
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG23	11	0.75
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG11	11	0.75
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG12	11	0.75
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG13	11	0.75
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG21	11	0.75
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG22	11	0.75
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG23	11	0.75
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE1	13	0.75
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE2	13	0.75
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE1	13	0.75
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE2	13	0.75
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE1	13	0.75
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE2	13	0.75
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE1	13	0.75
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE2	13	0.75
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE1	13	0.75
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE2	13	0.75
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE1	13	0.75
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE2	13	0.75
(1,2904)	1:16:A:VAL:HG11	1:23:A:VAL:HB	19	0.75
(1,2904)	1:16:A:VAL:HG12	1:23:A:VAL:HB	19	0.75
(1,2904)	1:16:A:VAL:HG13	1:23:A:VAL:HB	19	0.75
(1,2904)	1:16:A:VAL:HG21	1:23:A:VAL:HB	19	0.75
(1,2904)	1:16:A:VAL:HG22	1:23:A:VAL:HB	19	0.75
(1,2904)	1:16:A:VAL:HG23	1:23:A:VAL:HB	19	0.75
(1,2623)	1:77:A:ALA:HB1	1:81:A:GLY:H	2	0.75
(1,2623)	1:77:A:ALA:HB2	1:81:A:GLY:H	2	0.75
(1,2623)	1:77:A:ALA:HB3	1:81:A:GLY:H	2	0.75
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG11	11	0.75
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG12	11	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG13	11	0.75
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG11	11	0.75
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG12	11	0.75
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG13	11	0.75
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG11	11	0.75
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG12	11	0.75
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG13	11	0.75
(1,2299)	1:30:A:GLN:HG2	1:31:A:THR:H	2	0.75
(1,2299)	1:30:A:GLN:HG2	1:31:A:THR:H	9	0.75
(1,2299)	1:30:A:GLN:HG2	1:31:A:THR:H	11	0.75
(1,2229)	1:18:A:ASN:H	1:18:A:ASN:HD21	14	0.75
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE1	19	0.75
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE2	19	0.75
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE1	19	0.75
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE2	19	0.75
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE1	19	0.75
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE2	19	0.75
(1,1680)	1:32:A:VAL:HG11	1:33:A:GLN:H	17	0.75
(1,1680)	1:32:A:VAL:HG12	1:33:A:GLN:H	17	0.75
(1,1680)	1:32:A:VAL:HG13	1:33:A:GLN:H	17	0.75
(1,1640)	1:18:A:ASN:HD21	1:19:A:ALA:H	9	0.75
(1,1563)	1:12:A:PHE:HB3	1:14:A:GLY:H	17	0.75
(1,1563)	1:12:A:PHE:HB3	1:14:A:GLY:H	20	0.75
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG21	1	0.75
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG22	1	0.75
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG23	1	0.75
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD1	2	0.75
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD2	2	0.75
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG21	1	0.75
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG22	1	0.75
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG23	1	0.75
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG21	1	0.75
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG22	1	0.75
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG23	1	0.75
(1,875)	1:61:A:CYS:HB2	1:126:A:ASN:HA	1	0.75
(1,866)	1:56:A:ILE:H	1:133:A:PHE:HB2	11	0.75
(1,866)	1:56:A:ILE:H	1:133:A:PHE:HB2	15	0.75
(1,838)	1:19:A:ALA:HB1	1:158:A:TYR:H	10	0.75
(1,838)	1:19:A:ALA:HB2	1:158:A:TYR:H	10	0.75
(1,838)	1:19:A:ALA:HB3	1:158:A:TYR:H	10	0.75
(1,722)	1:18:A:ASN:H	1:18:A:ASN:HB3	20	0.75
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB1	7	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB2	7	0.75
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB3	7	0.75
(1,549)	1:74:A:LEU:HD21	1:155:A:LYS:HE2	13	0.75
(1,549)	1:74:A:LEU:HD21	1:155:A:LYS:HE3	13	0.75
(1,549)	1:74:A:LEU:HD22	1:155:A:LYS:HE2	13	0.75
(1,549)	1:74:A:LEU:HD22	1:155:A:LYS:HE3	13	0.75
(1,549)	1:74:A:LEU:HD23	1:155:A:LYS:HE2	13	0.75
(1,549)	1:74:A:LEU:HD23	1:155:A:LYS:HE3	13	0.75
(1,229)	1:22:A:ALA:HA	1:58:A:LEU:HB3	7	0.75
(1,229)	1:22:A:ALA:HA	1:58:A:LEU:HB3	11	0.75
(1,229)	1:22:A:ALA:HA	1:58:A:LEU:HB3	13	0.75
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB1	10	0.75
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB2	10	0.75
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB3	10	0.75
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB1	13	0.75
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB2	13	0.75
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB3	13	0.75
(1,217)	1:3:A:THR:HB	1:145:A:PRO:HB2	9	0.75
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG21	3	0.75
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG22	3	0.75
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG23	3	0.75
(1,76)	1:69:A:ALA:HA	1:159:A:GLN:H	19	0.75
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD11	19	0.74
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD12	19	0.74
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD13	19	0.74
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD11	19	0.74
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD12	19	0.74
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD13	19	0.74
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD11	19	0.74
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD12	19	0.74
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD13	19	0.74
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD11	19	0.74
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD12	19	0.74
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD13	19	0.74
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD11	19	0.74
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD12	19	0.74
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD13	19	0.74
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD11	19	0.74
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD12	19	0.74
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD13	19	0.74
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE1	1	0.74
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE2	1	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE1	1	0.74
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE2	1	0.74
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE1	1	0.74
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE2	1	0.74
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE1	1	0.74
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE2	1	0.74
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE1	1	0.74
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE2	1	0.74
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE1	1	0.74
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE2	1	0.74
(1,2903)	1:16:A:VAL:HG11	1:23:A:VAL:H	15	0.74
(1,2903)	1:16:A:VAL:HG12	1:23:A:VAL:H	15	0.74
(1,2903)	1:16:A:VAL:HG13	1:23:A:VAL:H	15	0.74
(1,2903)	1:16:A:VAL:HG21	1:23:A:VAL:H	15	0.74
(1,2903)	1:16:A:VAL:HG22	1:23:A:VAL:H	15	0.74
(1,2903)	1:16:A:VAL:HG23	1:23:A:VAL:H	15	0.74
(1,2623)	1:77:A:ALA:HB1	1:81:A:GLY:H	5	0.74
(1,2623)	1:77:A:ALA:HB2	1:81:A:GLY:H	5	0.74
(1,2623)	1:77:A:ALA:HB3	1:81:A:GLY:H	5	0.74
(1,2623)	1:77:A:ALA:HB1	1:81:A:GLY:H	9	0.74
(1,2623)	1:77:A:ALA:HB2	1:81:A:GLY:H	9	0.74
(1,2623)	1:77:A:ALA:HB3	1:81:A:GLY:H	9	0.74
(1,2312)	1:32:A:VAL:HG11	1:52:A:VAL:H	18	0.74
(1,2312)	1:32:A:VAL:HG12	1:52:A:VAL:H	18	0.74
(1,2312)	1:32:A:VAL:HG13	1:52:A:VAL:H	18	0.74
(1,2041)	1:10:A:VAL:H	1:32:A:VAL:HB	9	0.74
(1,1885)	1:79:A:ASP:H	1:81:A:GLY:H	10	0.74
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB1	17	0.74
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB2	17	0.74
(1,1437)	1:101:A:VAL:HG21	1:150:A:ALA:HB3	17	0.74
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB1	17	0.74
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB2	17	0.74
(1,1437)	1:101:A:VAL:HG22	1:150:A:ALA:HB3	17	0.74
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB1	17	0.74
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB2	17	0.74
(1,1437)	1:101:A:VAL:HG23	1:150:A:ALA:HB3	17	0.74
(1,1396)	1:7:A:GLY:HA3	1:37:A:VAL:H	10	0.74
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG21	16	0.74
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG22	16	0.74
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG23	16	0.74
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG21	18	0.74
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG22	18	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG23	18	0.74
(1,1198)	1:10:A:VAL:HB	1:150:A:ALA:H	7	0.74
(1,1099)	1:48:A:THR:HG21	1:136:A:ARG:HG2	1	0.74
(1,1099)	1:48:A:THR:HG21	1:136:A:ARG:HG3	1	0.74
(1,1099)	1:48:A:THR:HG22	1:136:A:ARG:HG2	1	0.74
(1,1099)	1:48:A:THR:HG22	1:136:A:ARG:HG3	1	0.74
(1,1099)	1:48:A:THR:HG23	1:136:A:ARG:HG2	1	0.74
(1,1099)	1:48:A:THR:HG23	1:136:A:ARG:HG3	1	0.74
(1,916)	1:101:A:VAL:HG11	1:137:A:TYR:HA	6	0.74
(1,916)	1:101:A:VAL:HG12	1:137:A:TYR:HA	6	0.74
(1,916)	1:101:A:VAL:HG13	1:137:A:TYR:HA	6	0.74
(1,878)	1:67:A:SER:H	1:159:A:GLN:H	18	0.74
(1,875)	1:61:A:CYS:HB2	1:126:A:ASN:HA	6	0.74
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG11	20	0.74
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG12	20	0.74
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG13	20	0.74
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB1	11	0.74
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB2	11	0.74
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB3	11	0.74
(1,409)	1:158:A:TYR:HB3	1:159:A:GLN:H	19	0.74
(1,403)	1:102:A:GLN:HB2	1:136:A:ARG:H	11	0.74
(1,229)	1:22:A:ALA:HA	1:58:A:LEU:HB3	4	0.74
(1,229)	1:22:A:ALA:HA	1:58:A:LEU:HB3	12	0.74
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB1	12	0.74
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB2	12	0.74
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB3	12	0.74
(1,217)	1:3:A:THR:HB	1:145:A:PRO:HB2	12	0.74
(1,139)	1:95:A:SER:H	1:147:A:ALA:H	9	0.74
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG21	1	0.74
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG22	1	0.74
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG23	1	0.74
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG21	1	0.74
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG22	1	0.74
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG23	1	0.74
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG21	1	0.74
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG22	1	0.74
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG23	1	0.74
(1,50)	1:24:A:ASP:H	1:28:A:VAL:H	8	0.74
(1,37)	1:20:A:ALA:HB1	1:65:A:VAL:HB	1	0.74
(1,37)	1:20:A:ALA:HB2	1:65:A:VAL:HB	1	0.74
(1,37)	1:20:A:ALA:HB3	1:65:A:VAL:HB	1	0.74
(1,37)	1:20:A:ALA:HB1	1:65:A:VAL:HB	19	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,37)	1:20:A:ALA:HB2	1:65:A:VAL:HB	19	0.74
(1,37)	1:20:A:ALA:HB3	1:65:A:VAL:HB	19	0.74
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB1	4	0.74
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB2	4	0.74
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB3	4	0.74
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB1	18	0.74
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB2	18	0.74
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB3	18	0.74
(1,1)	1:112:A:THR:HB	1:116:A:ALA:H	20	0.74
(1,3498)	1:159:A:GLN:H	1:159:A:GLN:HG2	15	0.73
(1,3498)	1:159:A:GLN:H	1:159:A:GLN:HG3	15	0.73
(1,3123)	1:51:A:ALA:HA	1:136:A:ARG:HD2	12	0.73
(1,3123)	1:51:A:ALA:HA	1:136:A:ARG:HD3	12	0.73
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD1	5	0.73
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD2	5	0.73
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD1	5	0.73
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD2	5	0.73
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD1	6	0.73
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD2	6	0.73
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD1	6	0.73
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD2	6	0.73
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE1	7	0.73
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE2	7	0.73
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE1	7	0.73
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE2	7	0.73
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE1	7	0.73
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE2	7	0.73
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE1	7	0.73
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE2	7	0.73
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE1	7	0.73
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE2	7	0.73
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE1	7	0.73
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE2	7	0.73
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE1	10	0.73
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE2	10	0.73
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE1	10	0.73
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE2	10	0.73
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE1	10	0.73
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE2	10	0.73
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE1	10	0.73
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE2	10	0.73
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE1	10	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE2	10	0.73
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE1	10	0.73
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE2	10	0.73
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE1	19	0.73
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE2	19	0.73
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE1	19	0.73
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE2	19	0.73
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE1	19	0.73
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE2	19	0.73
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE1	19	0.73
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE2	19	0.73
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE1	19	0.73
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE2	19	0.73
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE1	19	0.73
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE2	19	0.73
(1,2904)	1:16:A:VAL:HG11	1:23:A:VAL:HB	18	0.73
(1,2904)	1:16:A:VAL:HG12	1:23:A:VAL:HB	18	0.73
(1,2904)	1:16:A:VAL:HG13	1:23:A:VAL:HB	18	0.73
(1,2904)	1:16:A:VAL:HG21	1:23:A:VAL:HB	18	0.73
(1,2904)	1:16:A:VAL:HG22	1:23:A:VAL:HB	18	0.73
(1,2904)	1:16:A:VAL:HG23	1:23:A:VAL:HB	18	0.73
(1,2623)	1:77:A:ALA:HB1	1:81:A:GLY:H	6	0.73
(1,2623)	1:77:A:ALA:HB2	1:81:A:GLY:H	6	0.73
(1,2623)	1:77:A:ALA:HB3	1:81:A:GLY:H	6	0.73
(1,2503)	1:5:A:VAL:HG21	1:39:A:THR:HA	6	0.73
(1,2503)	1:5:A:VAL:HG22	1:39:A:THR:HA	6	0.73
(1,2503)	1:5:A:VAL:HG23	1:39:A:THR:HA	6	0.73
(1,2041)	1:10:A:VAL:H	1:32:A:VAL:HB	20	0.73
(1,1989)	1:102:A:GLN:HB3	1:136:A:ARG:H	4	0.73
(1,1989)	1:102:A:GLN:HB3	1:136:A:ARG:H	11	0.73
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB1	12	0.73
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB2	12	0.73
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB3	12	0.73
(1,1680)	1:32:A:VAL:HG11	1:33:A:GLN:H	19	0.73
(1,1680)	1:32:A:VAL:HG12	1:33:A:GLN:H	19	0.73
(1,1680)	1:32:A:VAL:HG13	1:33:A:GLN:H	19	0.73
(1,1636)	1:16:A:VAL:HA	1:17:A:VAL:H	5	0.73
(1,1613)	1:14:A:GLY:H	1:154:A:PHE:H	5	0.73
(1,1396)	1:7:A:GLY:HA3	1:37:A:VAL:H	8	0.73
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG21	19	0.73
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG22	19	0.73
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG23	19	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG11	9	0.73
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG12	9	0.73
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG13	9	0.73
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG11	9	0.73
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG12	9	0.73
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG13	9	0.73
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG11	9	0.73
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG12	9	0.73
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG13	9	0.73
(1,916)	1:101:A:VAL:HG11	1:137:A:TYR:HA	13	0.73
(1,916)	1:101:A:VAL:HG12	1:137:A:TYR:HA	13	0.73
(1,916)	1:101:A:VAL:HG13	1:137:A:TYR:HA	13	0.73
(1,759)	1:66:A:ALA:HB1	1:159:A:GLN:H	14	0.73
(1,759)	1:66:A:ALA:HB2	1:159:A:GLN:H	14	0.73
(1,759)	1:66:A:ALA:HB3	1:159:A:GLN:H	14	0.73
(1,519)	1:90:A:SER:HA	1:95:A:SER:HA	16	0.73
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB1	14	0.73
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB2	14	0.73
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB3	14	0.73
(1,229)	1:22:A:ALA:HA	1:58:A:LEU:HB3	15	0.73
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG21	1	0.73
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG22	1	0.73
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG23	1	0.73
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG21	9	0.73
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG22	9	0.73
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG23	9	0.73
(1,142)	1:148:A:ALA:H	1:149:A:ASN:HB3	14	0.73
(1,37)	1:20:A:ALA:HB1	1:65:A:VAL:HB	12	0.73
(1,37)	1:20:A:ALA:HB2	1:65:A:VAL:HB	12	0.73
(1,37)	1:20:A:ALA:HB3	1:65:A:VAL:HB	12	0.73
(1,37)	1:20:A:ALA:HB1	1:65:A:VAL:HB	18	0.73
(1,37)	1:20:A:ALA:HB2	1:65:A:VAL:HB	18	0.73
(1,37)	1:20:A:ALA:HB3	1:65:A:VAL:HB	18	0.73
(1,37)	1:20:A:ALA:HB1	1:65:A:VAL:HB	20	0.73
(1,37)	1:20:A:ALA:HB2	1:65:A:VAL:HB	20	0.73
(1,37)	1:20:A:ALA:HB3	1:65:A:VAL:HB	20	0.73
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB1	18	0.72
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB2	18	0.72
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB3	18	0.72
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB1	18	0.72
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB2	18	0.72
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB3	18	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB1	18	0.72
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB2	18	0.72
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB3	18	0.72
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB1	18	0.72
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB2	18	0.72
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB3	18	0.72
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB1	18	0.72
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB2	18	0.72
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB3	18	0.72
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB1	18	0.72
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB2	18	0.72
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB3	18	0.72
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE1	9	0.72
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE2	9	0.72
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE1	9	0.72
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE2	9	0.72
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE1	9	0.72
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE2	9	0.72
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE1	9	0.72
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE2	9	0.72
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE1	9	0.72
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE2	9	0.72
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE1	9	0.72
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE2	9	0.72
(1,2726)	1:89:A:GLN:HG2	1:90:A:SER:H	10	0.72
(1,2726)	1:89:A:GLN:HG3	1:90:A:SER:H	10	0.72
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG11	12	0.72
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG12	12	0.72
(1,2564)	1:70:A:ALA:HB1	1:156:A:VAL:HG13	12	0.72
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG11	12	0.72
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG12	12	0.72
(1,2564)	1:70:A:ALA:HB2	1:156:A:VAL:HG13	12	0.72
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG11	12	0.72
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG12	12	0.72
(1,2564)	1:70:A:ALA:HB3	1:156:A:VAL:HG13	12	0.72
(1,2240)	1:20:A:ALA:HA	1:65:A:VAL:HB	6	0.72
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD1	19	0.72
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD2	19	0.72
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD1	19	0.72
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD2	19	0.72
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD1	19	0.72
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD2	19	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1989)	1:102:A:GLN:HB3	1:136:A:ARG:H	16	0.72
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB1	5	0.72
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB2	5	0.72
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB3	5	0.72
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB1	19	0.72
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB2	19	0.72
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB3	19	0.72
(1,1681)	1:32:A:VAL:HG11	1:52:A:VAL:HB	7	0.72
(1,1681)	1:32:A:VAL:HG12	1:52:A:VAL:HB	7	0.72
(1,1681)	1:32:A:VAL:HG13	1:52:A:VAL:HB	7	0.72
(1,1680)	1:32:A:VAL:HG11	1:33:A:GLN:H	7	0.72
(1,1680)	1:32:A:VAL:HG12	1:33:A:GLN:H	7	0.72
(1,1680)	1:32:A:VAL:HG13	1:33:A:GLN:H	7	0.72
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD1	15	0.72
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD2	15	0.72
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD1	15	0.72
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD2	15	0.72
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD1	15	0.72
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD2	15	0.72
(1,1636)	1:16:A:VAL:HA	1:17:A:VAL:H	19	0.72
(1,1563)	1:12:A:PHE:HB3	1:14:A:GLY:H	10	0.72
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG21	18	0.72
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG22	18	0.72
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG23	18	0.72
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG21	18	0.72
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG22	18	0.72
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG23	18	0.72
(1,875)	1:61:A:CYS:HB2	1:126:A:ASN:HA	15	0.72
(1,866)	1:56:A:ILE:H	1:133:A:PHE:HB2	7	0.72
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG21	5	0.72
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG22	5	0.72
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG23	5	0.72
(1,759)	1:66:A:ALA:HB1	1:159:A:GLN:H	3	0.72
(1,759)	1:66:A:ALA:HB2	1:159:A:GLN:H	3	0.72
(1,759)	1:66:A:ALA:HB3	1:159:A:GLN:H	3	0.72
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD2	6	0.72
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD3	6	0.72
(1,409)	1:158:A:TYR:HB3	1:159:A:GLN:H	18	0.72
(1,403)	1:102:A:GLN:HB2	1:136:A:ARG:H	3	0.72
(1,269)	1:34:A:LEU:HA	1:52:A:VAL:HA	11	0.72
(1,229)	1:22:A:ALA:HA	1:58:A:LEU:HB3	5	0.72
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG21	2	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG22	2	0.72
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG23	2	0.72
(1,176)	1:32:A:VAL:HG11	1:54:A:PHE:HB2	8	0.72
(1,176)	1:32:A:VAL:HG11	1:54:A:PHE:HB3	8	0.72
(1,176)	1:32:A:VAL:HG12	1:54:A:PHE:HB2	8	0.72
(1,176)	1:32:A:VAL:HG12	1:54:A:PHE:HB3	8	0.72
(1,176)	1:32:A:VAL:HG13	1:54:A:PHE:HB2	8	0.72
(1,176)	1:32:A:VAL:HG13	1:54:A:PHE:HB3	8	0.72
(1,152)	1:14:A:GLY:H	1:154:A:PHE:HD1	1	0.72
(1,152)	1:14:A:GLY:H	1:154:A:PHE:HD2	1	0.72
(1,63)	1:20:A:ALA:HB1	1:63:A:THR:H	11	0.72
(1,63)	1:20:A:ALA:HB2	1:63:A:THR:H	11	0.72
(1,63)	1:20:A:ALA:HB3	1:63:A:THR:H	11	0.72
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB1	17	0.72
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB2	17	0.72
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB3	17	0.72
(1,3402)	1:100:A:GLY:HA3	1:102:A:GLN:HG2	13	0.71
(1,3402)	1:100:A:GLY:HA3	1:102:A:GLN:HG3	13	0.71
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG11	14	0.71
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG12	14	0.71
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG13	14	0.71
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG21	14	0.71
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG22	14	0.71
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG23	14	0.71
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD11	8	0.71
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD12	8	0.71
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD13	8	0.71
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD11	8	0.71
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD12	8	0.71
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD13	8	0.71
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD11	8	0.71
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD12	8	0.71
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD13	8	0.71
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD11	8	0.71
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD12	8	0.71
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD13	8	0.71
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD11	8	0.71
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD12	8	0.71
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD13	8	0.71
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD11	8	0.71
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD12	8	0.71
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD13	8	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3123)	1:51:A:ALA:HA	1:136:A:ARG:HD2	19	0.71
(1,3123)	1:51:A:ALA:HA	1:136:A:ARG:HD3	19	0.71
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE1	4	0.71
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE2	4	0.71
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE1	4	0.71
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE2	4	0.71
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE1	4	0.71
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE2	4	0.71
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE1	4	0.71
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE2	4	0.71
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE1	4	0.71
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE2	4	0.71
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE1	4	0.71
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE2	4	0.71
(1,2903)	1:16:A:VAL:HG11	1:23:A:VAL:H	11	0.71
(1,2903)	1:16:A:VAL:HG12	1:23:A:VAL:H	11	0.71
(1,2903)	1:16:A:VAL:HG13	1:23:A:VAL:H	11	0.71
(1,2903)	1:16:A:VAL:HG21	1:23:A:VAL:H	11	0.71
(1,2903)	1:16:A:VAL:HG22	1:23:A:VAL:H	11	0.71
(1,2903)	1:16:A:VAL:HG23	1:23:A:VAL:H	11	0.71
(1,2299)	1:30:A:GLN:HG2	1:31:A:THR:H	6	0.71
(1,2226)	1:16:A:VAL:HA	1:156:A:VAL:H	1	0.71
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE1	10	0.71
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE2	10	0.71
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE1	10	0.71
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE2	10	0.71
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE1	10	0.71
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE2	10	0.71
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD1	17	0.71
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD2	17	0.71
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD1	17	0.71
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD2	17	0.71
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD1	17	0.71
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD2	17	0.71
(1,1989)	1:102:A:GLN:HB3	1:136:A:ARG:H	3	0.71
(1,1989)	1:102:A:GLN:HB3	1:136:A:ARG:H	5	0.71
(1,1885)	1:79:A:ASP:H	1:81:A:GLY:H	5	0.71
(1,1636)	1:16:A:VAL:HA	1:17:A:VAL:H	11	0.71
(1,1636)	1:16:A:VAL:HA	1:17:A:VAL:H	15	0.71
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG21	2	0.71
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG22	2	0.71
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG23	2	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG21	7	0.71
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG22	7	0.71
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG23	7	0.71
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG21	14	0.71
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG22	14	0.71
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG23	14	0.71
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG21	15	0.71
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG22	15	0.71
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG23	15	0.71
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG11	20	0.71
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG12	20	0.71
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG13	20	0.71
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG11	20	0.71
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG12	20	0.71
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG13	20	0.71
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG11	20	0.71
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG12	20	0.71
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG13	20	0.71
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD1	8	0.71
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD2	8	0.71
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB2	2	0.71
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB3	2	0.71
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB2	6	0.71
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB3	6	0.71
(1,916)	1:101:A:VAL:HG11	1:137:A:TYR:HA	7	0.71
(1,916)	1:101:A:VAL:HG12	1:137:A:TYR:HA	7	0.71
(1,916)	1:101:A:VAL:HG13	1:137:A:TYR:HA	7	0.71
(1,875)	1:61:A:CYS:HB2	1:126:A:ASN:HA	5	0.71
(1,782)	1:97:A:THR:HA	1:99:A:VAL:HB	14	0.71
(1,782)	1:97:A:THR:HA	1:99:A:VAL:HB	19	0.71
(1,759)	1:66:A:ALA:HB1	1:159:A:GLN:H	2	0.71
(1,759)	1:66:A:ALA:HB2	1:159:A:GLN:H	2	0.71
(1,759)	1:66:A:ALA:HB3	1:159:A:GLN:H	2	0.71
(1,722)	1:18:A:ASN:H	1:18:A:ASN:HB3	12	0.71
(1,722)	1:18:A:ASN:H	1:18:A:ASN:HB3	19	0.71
(1,536)	1:42:A:LEU:HD11	1:138:A:PHE:H	3	0.71
(1,536)	1:42:A:LEU:HD12	1:138:A:PHE:H	3	0.71
(1,536)	1:42:A:LEU:HD13	1:138:A:PHE:H	3	0.71
(1,403)	1:102:A:GLN:HB2	1:136:A:ARG:H	5	0.71
(1,357)	1:10:A:VAL:HA	1:149:A:ASN:HB3	15	0.71
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB1	13	0.71
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB2	13	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB3	13	0.71
(1,229)	1:22:A:ALA:HA	1:58:A:LEU:HB3	3	0.71
(1,229)	1:22:A:ALA:HA	1:58:A:LEU:HB3	14	0.71
(1,217)	1:3:A:THR:HB	1:145:A:PRO:HB2	7	0.71
(1,152)	1:14:A:GLY:H	1:154:A:PHE:HD1	18	0.71
(1,152)	1:14:A:GLY:H	1:154:A:PHE:HD2	18	0.71
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB1	8	0.71
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB2	8	0.71
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB3	8	0.71
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB1	16	0.71
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB2	16	0.71
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB3	16	0.71
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG21	14	0.71
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG22	14	0.71
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG23	14	0.71
(1,37)	1:20:A:ALA:HB1	1:65:A:VAL:HB	3	0.71
(1,37)	1:20:A:ALA:HB2	1:65:A:VAL:HB	3	0.71
(1,37)	1:20:A:ALA:HB3	1:65:A:VAL:HB	3	0.71
(1,36)	1:137:A:TYR:HD1	1:148:A:ALA:HA	8	0.71
(1,36)	1:137:A:TYR:HD2	1:148:A:ALA:HA	8	0.71
(1,2904)	1:16:A:VAL:HG11	1:23:A:VAL:HB	10	0.7
(1,2904)	1:16:A:VAL:HG12	1:23:A:VAL:HB	10	0.7
(1,2904)	1:16:A:VAL:HG13	1:23:A:VAL:HB	10	0.7
(1,2904)	1:16:A:VAL:HG21	1:23:A:VAL:HB	10	0.7
(1,2904)	1:16:A:VAL:HG22	1:23:A:VAL:HB	10	0.7
(1,2904)	1:16:A:VAL:HG23	1:23:A:VAL:HB	10	0.7
(1,2356)	1:3:A:THR:HB	1:145:A:PRO:HB3	15	0.7
(1,2299)	1:30:A:GLN:HG2	1:31:A:THR:H	20	0.7
(1,1640)	1:18:A:ASN:HD21	1:19:A:ALA:H	6	0.7
(1,1640)	1:18:A:ASN:HD21	1:19:A:ALA:H	7	0.7
(1,1636)	1:16:A:VAL:HA	1:17:A:VAL:H	13	0.7
(1,1636)	1:16:A:VAL:HA	1:17:A:VAL:H	14	0.7
(1,1636)	1:16:A:VAL:HA	1:17:A:VAL:H	17	0.7
(1,1613)	1:14:A:GLY:H	1:154:A:PHE:H	11	0.7
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG21	4	0.7
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG22	4	0.7
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG23	4	0.7
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG11	2	0.7
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG12	2	0.7
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG13	2	0.7
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG11	2	0.7
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG12	2	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG13	2	0.7
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG11	2	0.7
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG12	2	0.7
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG13	2	0.7
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG11	4	0.7
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG12	4	0.7
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG13	4	0.7
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG11	4	0.7
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG12	4	0.7
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG13	4	0.7
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG11	4	0.7
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG12	4	0.7
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG13	4	0.7
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG11	8	0.7
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG12	8	0.7
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG13	8	0.7
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG11	8	0.7
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG12	8	0.7
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG13	8	0.7
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG11	8	0.7
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG12	8	0.7
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG13	8	0.7
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD1	13	0.7
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD2	13	0.7
(1,916)	1:101:A:VAL:HG11	1:137:A:TYR:HA	16	0.7
(1,916)	1:101:A:VAL:HG12	1:137:A:TYR:HA	16	0.7
(1,916)	1:101:A:VAL:HG13	1:137:A:TYR:HA	16	0.7
(1,905)	1:89:A:GLN:HE21	1:149:A:ASN:HB2	10	0.7
(1,759)	1:66:A:ALA:HB1	1:159:A:GLN:H	15	0.7
(1,759)	1:66:A:ALA:HB2	1:159:A:GLN:H	15	0.7
(1,759)	1:66:A:ALA:HB3	1:159:A:GLN:H	15	0.7
(1,759)	1:66:A:ALA:HB1	1:159:A:GLN:H	17	0.7
(1,759)	1:66:A:ALA:HB2	1:159:A:GLN:H	17	0.7
(1,759)	1:66:A:ALA:HB3	1:159:A:GLN:H	17	0.7
(1,722)	1:18:A:ASN:H	1:18:A:ASN:HB3	17	0.7
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB1	13	0.7
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB2	13	0.7
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB3	13	0.7
(1,575)	1:18:A:ASN:HD21	1:22:A:ALA:HB1	1	0.7
(1,575)	1:18:A:ASN:HD21	1:22:A:ALA:HB2	1	0.7
(1,575)	1:18:A:ASN:HD21	1:22:A:ALA:HB3	1	0.7
(1,575)	1:18:A:ASN:HD21	1:22:A:ALA:HB1	3	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,575)	1:18:A:ASN:HD21	1:22:A:ALA:HB2	3	0.7
(1,575)	1:18:A:ASN:HD21	1:22:A:ALA:HB3	3	0.7
(1,536)	1:42:A:LEU:HD11	1:138:A:PHE:H	10	0.7
(1,536)	1:42:A:LEU:HD12	1:138:A:PHE:H	10	0.7
(1,536)	1:42:A:LEU:HD13	1:138:A:PHE:H	10	0.7
(1,220)	1:70:A:ALA:H	1:121:A:GLU:HA	4	0.7
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG21	15	0.7
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG22	15	0.7
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG23	15	0.7
(1,142)	1:148:A:ALA:H	1:149:A:ASN:HB3	19	0.7
(1,139)	1:95:A:SER:H	1:147:A:ALA:H	15	0.7
(1,76)	1:69:A:ALA:HA	1:159:A:GLN:H	18	0.7
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG21	3	0.7
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG22	3	0.7
(1,47)	1:14:A:GLY:H	1:153:A:THR:HG23	3	0.7
(1,37)	1:20:A:ALA:HB1	1:65:A:VAL:HB	6	0.7
(1,37)	1:20:A:ALA:HB2	1:65:A:VAL:HB	6	0.7
(1,37)	1:20:A:ALA:HB3	1:65:A:VAL:HB	6	0.7
(1,37)	1:20:A:ALA:HB1	1:65:A:VAL:HB	13	0.7
(1,37)	1:20:A:ALA:HB2	1:65:A:VAL:HB	13	0.7
(1,37)	1:20:A:ALA:HB3	1:65:A:VAL:HB	13	0.7
(1,37)	1:20:A:ALA:HB1	1:65:A:VAL:HB	17	0.7
(1,37)	1:20:A:ALA:HB2	1:65:A:VAL:HB	17	0.7
(1,37)	1:20:A:ALA:HB3	1:65:A:VAL:HB	17	0.7
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB1	19	0.7
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB2	19	0.7
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB3	19	0.7
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB1	17	0.69
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB2	17	0.69
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB3	17	0.69
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB1	17	0.69
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB2	17	0.69
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB3	17	0.69
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB1	17	0.69
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB2	17	0.69
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB3	17	0.69
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB1	17	0.69
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB2	17	0.69
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB3	17	0.69
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB1	17	0.69
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB2	17	0.69
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB3	17	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB1	17	0.69
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB2	17	0.69
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB3	17	0.69
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB1	20	0.69
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB2	20	0.69
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB3	20	0.69
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB1	20	0.69
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB2	20	0.69
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB3	20	0.69
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB1	20	0.69
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB2	20	0.69
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB3	20	0.69
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB1	20	0.69
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB2	20	0.69
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB3	20	0.69
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB1	20	0.69
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB2	20	0.69
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB3	20	0.69
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB1	20	0.69
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB2	20	0.69
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB3	20	0.69
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG11	14	0.69
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG12	14	0.69
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG13	14	0.69
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG21	14	0.69
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG22	14	0.69
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG23	14	0.69
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG11	14	0.69
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG12	14	0.69
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG13	14	0.69
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG21	14	0.69
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG22	14	0.69
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG23	14	0.69
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG11	14	0.69
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG12	14	0.69
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG13	14	0.69
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG21	14	0.69
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG22	14	0.69
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG23	14	0.69
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG11	14	0.69
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG12	14	0.69
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG13	14	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG21	14	0.69
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG22	14	0.69
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG23	14	0.69
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG11	14	0.69
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG12	14	0.69
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG13	14	0.69
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG21	14	0.69
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG22	14	0.69
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG23	14	0.69
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG11	14	0.69
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG12	14	0.69
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG13	14	0.69
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG21	14	0.69
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG22	14	0.69
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG23	14	0.69
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD11	6	0.69
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD12	6	0.69
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD13	6	0.69
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD11	6	0.69
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD12	6	0.69
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD13	6	0.69
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD11	6	0.69
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD12	6	0.69
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD13	6	0.69
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD11	6	0.69
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD12	6	0.69
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD13	6	0.69
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD11	6	0.69
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD12	6	0.69
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD13	6	0.69
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD11	6	0.69
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD12	6	0.69
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD13	6	0.69
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD11	14	0.69
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD12	14	0.69
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD13	14	0.69
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD11	14	0.69
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD12	14	0.69
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD13	14	0.69
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD11	14	0.69
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD12	14	0.69
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD13	14	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD11	14	0.69
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD12	14	0.69
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD13	14	0.69
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD11	14	0.69
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD12	14	0.69
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD13	14	0.69
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD11	14	0.69
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD12	14	0.69
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD13	14	0.69
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD11	15	0.69
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD12	15	0.69
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD13	15	0.69
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD11	15	0.69
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD12	15	0.69
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD13	15	0.69
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD11	15	0.69
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD12	15	0.69
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD13	15	0.69
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD11	15	0.69
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD12	15	0.69
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD13	15	0.69
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD11	15	0.69
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD12	15	0.69
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD13	15	0.69
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD11	15	0.69
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD12	15	0.69
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD13	15	0.69
(1,3024)	1:34:A:LEU:HD11	1:150:A:ALA:H	16	0.69
(1,3024)	1:34:A:LEU:HD12	1:150:A:ALA:H	16	0.69
(1,3024)	1:34:A:LEU:HD13	1:150:A:ALA:H	16	0.69
(1,3024)	1:34:A:LEU:HD21	1:150:A:ALA:H	16	0.69
(1,3024)	1:34:A:LEU:HD22	1:150:A:ALA:H	16	0.69
(1,3024)	1:34:A:LEU:HD23	1:150:A:ALA:H	16	0.69
(1,2623)	1:77:A:ALA:HB1	1:81:A:GLY:H	17	0.69
(1,2623)	1:77:A:ALA:HB2	1:81:A:GLY:H	17	0.69
(1,2623)	1:77:A:ALA:HB3	1:81:A:GLY:H	17	0.69
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG21	3	0.69
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG22	3	0.69
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG23	3	0.69
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE1	9	0.69
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE2	9	0.69
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE1	9	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE2	9	0.69
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE1	9	0.69
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE2	9	0.69
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD1	10	0.69
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD2	10	0.69
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD1	10	0.69
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD2	10	0.69
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD1	10	0.69
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD2	10	0.69
(1,2041)	1:10:A:VAL:H	1:32:A:VAL:HB	15	0.69
(1,2041)	1:10:A:VAL:H	1:32:A:VAL:HB	17	0.69
(1,1636)	1:16:A:VAL:HA	1:17:A:VAL:H	2	0.69
(1,1636)	1:16:A:VAL:HA	1:17:A:VAL:H	3	0.69
(1,1636)	1:16:A:VAL:HA	1:17:A:VAL:H	8	0.69
(1,1636)	1:16:A:VAL:HA	1:17:A:VAL:H	16	0.69
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG21	6	0.69
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG22	6	0.69
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG23	6	0.69
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG21	13	0.69
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG22	13	0.69
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG23	13	0.69
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG11	14	0.69
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG12	14	0.69
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG13	14	0.69
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG11	14	0.69
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG12	14	0.69
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG13	14	0.69
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG11	14	0.69
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG12	14	0.69
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG13	14	0.69
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG21	19	0.69
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG22	19	0.69
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG23	19	0.69
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG21	19	0.69
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG22	19	0.69
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG23	19	0.69
(1,866)	1:56:A:ILE:H	1:133:A:PHE:HB2	6	0.69
(1,759)	1:66:A:ALA:HB1	1:159:A:GLN:H	1	0.69
(1,759)	1:66:A:ALA:HB2	1:159:A:GLN:H	1	0.69
(1,759)	1:66:A:ALA:HB3	1:159:A:GLN:H	1	0.69
(1,759)	1:66:A:ALA:HB1	1:159:A:GLN:H	10	0.69
(1,759)	1:66:A:ALA:HB2	1:159:A:GLN:H	10	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,759)	1:66:A:ALA:HB3	1:159:A:GLN:H	10	0.69
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG11	14	0.69
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG12	14	0.69
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG13	14	0.69
(1,545)	1:70:A:ALA:HA	1:157:A:GLN:HB3	12	0.69
(1,330)	1:131:A:ILE:HG21	1:133:A:PHE:HB2	6	0.69
(1,330)	1:131:A:ILE:HG22	1:133:A:PHE:HB2	6	0.69
(1,330)	1:131:A:ILE:HG23	1:133:A:PHE:HB2	6	0.69
(1,330)	1:131:A:ILE:HG21	1:133:A:PHE:HB2	14	0.69
(1,330)	1:131:A:ILE:HG22	1:133:A:PHE:HB2	14	0.69
(1,330)	1:131:A:ILE:HG23	1:133:A:PHE:HB2	14	0.69
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB1	5	0.69
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB2	5	0.69
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB3	5	0.69
(1,220)	1:70:A:ALA:H	1:121:A:GLU:HA	5	0.69
(1,139)	1:95:A:SER:H	1:147:A:ALA:H	3	0.69
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG21	19	0.69
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG22	19	0.69
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG23	19	0.69
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG21	19	0.69
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG22	19	0.69
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG23	19	0.69
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG21	19	0.69
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG22	19	0.69
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG23	19	0.69
(1,36)	1:137:A:TYR:HD1	1:148:A:ALA:HA	9	0.69
(1,36)	1:137:A:TYR:HD2	1:148:A:ALA:HA	9	0.69
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB1	13	0.69
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB2	13	0.69
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB3	13	0.69
(1,2903)	1:16:A:VAL:HG11	1:23:A:VAL:H	6	0.68
(1,2903)	1:16:A:VAL:HG12	1:23:A:VAL:H	6	0.68
(1,2903)	1:16:A:VAL:HG13	1:23:A:VAL:H	6	0.68
(1,2903)	1:16:A:VAL:HG21	1:23:A:VAL:H	6	0.68
(1,2903)	1:16:A:VAL:HG22	1:23:A:VAL:H	6	0.68
(1,2903)	1:16:A:VAL:HG23	1:23:A:VAL:H	6	0.68
(1,2602)	1:74:A:LEU:HB2	1:153:A:THR:HB	14	0.68
(1,2356)	1:3:A:THR:HB	1:145:A:PRO:HB3	14	0.68
(1,2312)	1:32:A:VAL:HG11	1:52:A:VAL:H	15	0.68
(1,2312)	1:32:A:VAL:HG12	1:52:A:VAL:H	15	0.68
(1,2312)	1:32:A:VAL:HG13	1:52:A:VAL:H	15	0.68
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE1	3	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE2	3	0.68
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE1	3	0.68
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE2	3	0.68
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE1	3	0.68
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE2	3	0.68
(1,1989)	1:102:A:GLN:HB3	1:136:A:ARG:H	12	0.68
(1,1640)	1:18:A:ASN:HD21	1:19:A:ALA:H	10	0.68
(1,1636)	1:16:A:VAL:HA	1:17:A:VAL:H	9	0.68
(1,1563)	1:12:A:PHE:HB3	1:14:A:GLY:H	15	0.68
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG21	12	0.68
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG22	12	0.68
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG23	12	0.68
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG11	6	0.68
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG12	6	0.68
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG13	6	0.68
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG11	6	0.68
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG12	6	0.68
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG13	6	0.68
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG11	6	0.68
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG12	6	0.68
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG13	6	0.68
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG11	10	0.68
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG12	10	0.68
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG13	10	0.68
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG11	10	0.68
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG12	10	0.68
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG13	10	0.68
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG11	10	0.68
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG12	10	0.68
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG13	10	0.68
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG11	11	0.68
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG12	11	0.68
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG13	11	0.68
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG11	11	0.68
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG12	11	0.68
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG13	11	0.68
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG11	11	0.68
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG12	11	0.68
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG13	11	0.68
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG11	15	0.68
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG12	15	0.68
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG13	15	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG11	15	0.68
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG12	15	0.68
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG13	15	0.68
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG11	15	0.68
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG12	15	0.68
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG13	15	0.68
(1,1289)	1:32:A:VAL:HG21	1:55:A:ASN:H	16	0.68
(1,1289)	1:32:A:VAL:HG22	1:55:A:ASN:H	16	0.68
(1,1289)	1:32:A:VAL:HG23	1:55:A:ASN:H	16	0.68
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD1	6	0.68
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD2	6	0.68
(1,866)	1:56:A:ILE:H	1:133:A:PHE:HB2	8	0.68
(1,782)	1:97:A:THR:HA	1:99:A:VAL:HB	17	0.68
(1,759)	1:66:A:ALA:HB1	1:159:A:GLN:H	6	0.68
(1,759)	1:66:A:ALA:HB2	1:159:A:GLN:H	6	0.68
(1,759)	1:66:A:ALA:HB3	1:159:A:GLN:H	6	0.68
(1,759)	1:66:A:ALA:HB1	1:159:A:GLN:H	7	0.68
(1,759)	1:66:A:ALA:HB2	1:159:A:GLN:H	7	0.68
(1,759)	1:66:A:ALA:HB3	1:159:A:GLN:H	7	0.68
(1,759)	1:66:A:ALA:HB1	1:159:A:GLN:H	11	0.68
(1,759)	1:66:A:ALA:HB2	1:159:A:GLN:H	11	0.68
(1,759)	1:66:A:ALA:HB3	1:159:A:GLN:H	11	0.68
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG11	12	0.68
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG12	12	0.68
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG13	12	0.68
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB1	4	0.68
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB2	4	0.68
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB3	4	0.68
(1,517)	1:88:A:LEU:HD21	1:149:A:ASN:H	11	0.68
(1,517)	1:88:A:LEU:HD22	1:149:A:ASN:H	11	0.68
(1,517)	1:88:A:LEU:HD23	1:149:A:ASN:H	11	0.68
(1,413)	1:30:A:GLN:HE22	1:54:A:PHE:HD1	7	0.68
(1,413)	1:30:A:GLN:HE22	1:54:A:PHE:HD2	7	0.68
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB1	6	0.68
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB2	6	0.68
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB3	6	0.68
(1,152)	1:14:A:GLY:H	1:154:A:PHE:HD1	6	0.68
(1,152)	1:14:A:GLY:H	1:154:A:PHE:HD2	6	0.68
(1,139)	1:95:A:SER:H	1:147:A:ALA:H	2	0.68
(1,139)	1:95:A:SER:H	1:147:A:ALA:H	7	0.68
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG21	7	0.68
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG22	7	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG23	7	0.68
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG21	7	0.68
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG22	7	0.68
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG23	7	0.68
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG21	7	0.68
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG22	7	0.68
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG23	7	0.68
(1,36)	1:137:A:TYR:HD1	1:148:A:ALA:HA	6	0.68
(1,36)	1:137:A:TYR:HD2	1:148:A:ALA:HA	6	0.68
(1,14)	1:115:A:GLY:HA2	1:155:A:LYS:HD2	18	0.68
(1,14)	1:115:A:GLY:HA2	1:155:A:LYS:HD3	18	0.68
(1,3498)	1:159:A:GLN:H	1:159:A:GLN:HG2	19	0.67
(1,3498)	1:159:A:GLN:H	1:159:A:GLN:HG3	19	0.67
(1,3402)	1:100:A:GLY:HA3	1:102:A:GLN:HG2	19	0.67
(1,3402)	1:100:A:GLY:HA3	1:102:A:GLN:HG3	19	0.67
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB1	14	0.67
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB2	14	0.67
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB3	14	0.67
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB1	14	0.67
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB2	14	0.67
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB3	14	0.67
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB1	14	0.67
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB2	14	0.67
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB3	14	0.67
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB1	14	0.67
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB2	14	0.67
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB3	14	0.67
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB1	14	0.67
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB2	14	0.67
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB3	14	0.67
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB1	14	0.67
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB2	14	0.67
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB3	14	0.67
(1,3123)	1:51:A:ALA:HA	1:136:A:ARG:HD2	8	0.67
(1,3123)	1:51:A:ALA:HA	1:136:A:ARG:HD3	8	0.67
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE1	8	0.67
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE2	8	0.67
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE1	8	0.67
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE2	8	0.67
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE1	8	0.67
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE2	8	0.67
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE1	8	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE2	8	0.67
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE1	8	0.67
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE2	8	0.67
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE1	8	0.67
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE2	8	0.67
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE1	15	0.67
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE2	15	0.67
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE1	15	0.67
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE2	15	0.67
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE1	15	0.67
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE2	15	0.67
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE1	15	0.67
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE2	15	0.67
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE1	15	0.67
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE2	15	0.67
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE1	15	0.67
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE2	15	0.67
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE1	18	0.67
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE2	18	0.67
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE1	18	0.67
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE2	18	0.67
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE1	18	0.67
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE2	18	0.67
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE1	18	0.67
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE2	18	0.67
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE1	18	0.67
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE2	18	0.67
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE1	18	0.67
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE2	18	0.67
(1,2904)	1:16:A:VAL:HG11	1:23:A:VAL:HB	5	0.67
(1,2904)	1:16:A:VAL:HG12	1:23:A:VAL:HB	5	0.67
(1,2904)	1:16:A:VAL:HG13	1:23:A:VAL:HB	5	0.67
(1,2904)	1:16:A:VAL:HG21	1:23:A:VAL:HB	5	0.67
(1,2904)	1:16:A:VAL:HG22	1:23:A:VAL:HB	5	0.67
(1,2904)	1:16:A:VAL:HG23	1:23:A:VAL:HB	5	0.67
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG11	8	0.67
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG12	8	0.67
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG13	8	0.67
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG21	8	0.67
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG22	8	0.67
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG23	8	0.67
(1,2503)	1:5:A:VAL:HG21	1:39:A:THR:HA	10	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2503)	1:5:A:VAL:HG22	1:39:A:THR:HA	10	0.67
(1,2503)	1:5:A:VAL:HG23	1:39:A:THR:HA	10	0.67
(1,2403)	1:45:A:GLU:HB3	1:141:A:GLY:H	4	0.67
(1,2356)	1:3:A:THR:HB	1:145:A:PRO:HB3	1	0.67
(1,2240)	1:20:A:ALA:HA	1:65:A:VAL:HB	10	0.67
(1,2226)	1:16:A:VAL:HA	1:156:A:VAL:H	5	0.67
(1,2226)	1:16:A:VAL:HA	1:156:A:VAL:H	7	0.67
(1,2226)	1:16:A:VAL:HA	1:156:A:VAL:H	11	0.67
(1,2041)	1:10:A:VAL:H	1:32:A:VAL:HB	3	0.67
(1,1946)	1:97:A:THR:H	1:143:A:ALA:HB1	20	0.67
(1,1946)	1:97:A:THR:H	1:143:A:ALA:HB2	20	0.67
(1,1946)	1:97:A:THR:H	1:143:A:ALA:HB3	20	0.67
(1,1680)	1:32:A:VAL:HG11	1:33:A:GLN:H	15	0.67
(1,1680)	1:32:A:VAL:HG12	1:33:A:GLN:H	15	0.67
(1,1680)	1:32:A:VAL:HG13	1:33:A:GLN:H	15	0.67
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD1	10	0.67
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD2	10	0.67
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD1	10	0.67
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD2	10	0.67
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD1	10	0.67
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD2	10	0.67
(1,1636)	1:16:A:VAL:HA	1:17:A:VAL:H	4	0.67
(1,1636)	1:16:A:VAL:HA	1:17:A:VAL:H	10	0.67
(1,1636)	1:16:A:VAL:HA	1:17:A:VAL:H	12	0.67
(1,1563)	1:12:A:PHE:HB3	1:14:A:GLY:H	11	0.67
(1,1563)	1:12:A:PHE:HB3	1:14:A:GLY:H	19	0.67
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG21	9	0.67
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG22	9	0.67
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG23	9	0.67
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG11	13	0.67
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG12	13	0.67
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG13	13	0.67
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG11	13	0.67
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG12	13	0.67
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG13	13	0.67
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG11	13	0.67
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG12	13	0.67
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG13	13	0.67
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG11	16	0.67
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG12	16	0.67
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG13	16	0.67
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG11	16	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG12	16	0.67
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG13	16	0.67
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG11	16	0.67
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG12	16	0.67
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG13	16	0.67
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG11	17	0.67
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG12	17	0.67
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG13	17	0.67
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG11	17	0.67
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG12	17	0.67
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG13	17	0.67
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG11	17	0.67
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG12	17	0.67
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG13	17	0.67
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD1	1	0.67
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD2	1	0.67
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG21	17	0.67
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG22	17	0.67
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG23	17	0.67
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG21	17	0.67
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG22	17	0.67
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG23	17	0.67
(1,878)	1:67:A:SER:H	1:159:A:GLN:H	13	0.67
(1,856)	1:3:A:THR:HB	1:4:A:THR:HA	16	0.67
(1,772)	1:86:A:LEU:HB2	1:101:A:VAL:HB	4	0.67
(1,772)	1:86:A:LEU:HB3	1:101:A:VAL:HB	4	0.67
(1,759)	1:66:A:ALA:HB1	1:159:A:GLN:H	13	0.67
(1,759)	1:66:A:ALA:HB2	1:159:A:GLN:H	13	0.67
(1,759)	1:66:A:ALA:HB3	1:159:A:GLN:H	13	0.67
(1,759)	1:66:A:ALA:HB1	1:159:A:GLN:H	16	0.67
(1,759)	1:66:A:ALA:HB2	1:159:A:GLN:H	16	0.67
(1,759)	1:66:A:ALA:HB3	1:159:A:GLN:H	16	0.67
(1,759)	1:66:A:ALA:HB1	1:159:A:GLN:H	19	0.67
(1,759)	1:66:A:ALA:HB2	1:159:A:GLN:H	19	0.67
(1,759)	1:66:A:ALA:HB3	1:159:A:GLN:H	19	0.67
(1,615)	1:96:A:ALA:HA	1:147:A:ALA:H	14	0.67
(1,575)	1:18:A:ASN:HD21	1:22:A:ALA:HB1	4	0.67
(1,575)	1:18:A:ASN:HD21	1:22:A:ALA:HB2	4	0.67
(1,575)	1:18:A:ASN:HD21	1:22:A:ALA:HB3	4	0.67
(1,517)	1:88:A:LEU:HD21	1:149:A:ASN:H	2	0.67
(1,517)	1:88:A:LEU:HD22	1:149:A:ASN:H	2	0.67
(1,517)	1:88:A:LEU:HD23	1:149:A:ASN:H	2	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,517)	1:88:A:LEU:HD21	1:149:A:ASN:H	15	0.67
(1,517)	1:88:A:LEU:HD22	1:149:A:ASN:H	15	0.67
(1,517)	1:88:A:LEU:HD23	1:149:A:ASN:H	15	0.67
(1,351)	1:92:A:ALA:HA	1:95:A:SER:HB2	14	0.67
(1,351)	1:92:A:ALA:HA	1:95:A:SER:HB3	14	0.67
(1,351)	1:92:A:ALA:HA	1:95:A:SER:HB2	17	0.67
(1,351)	1:92:A:ALA:HA	1:95:A:SER:HB3	17	0.67
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD21	7	0.67
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD22	7	0.67
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD23	7	0.67
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG21	16	0.67
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG22	16	0.67
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG23	16	0.67
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG21	19	0.67
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG22	19	0.67
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG23	19	0.67
(1,142)	1:148:A:ALA:H	1:149:A:ASN:HB3	13	0.67
(1,139)	1:95:A:SER:H	1:147:A:ALA:H	10	0.67
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG11	4	0.67
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG12	4	0.67
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG13	4	0.67
(1,3498)	1:159:A:GLN:H	1:159:A:GLN:HG2	9	0.66
(1,3498)	1:159:A:GLN:H	1:159:A:GLN:HG3	9	0.66
(1,3287)	1:78:A:ILE:HG21	1:102:A:GLN:HG2	2	0.66
(1,3287)	1:78:A:ILE:HG21	1:102:A:GLN:HG3	2	0.66
(1,3287)	1:78:A:ILE:HG22	1:102:A:GLN:HG2	2	0.66
(1,3287)	1:78:A:ILE:HG22	1:102:A:GLN:HG3	2	0.66
(1,3287)	1:78:A:ILE:HG23	1:102:A:GLN:HG2	2	0.66
(1,3287)	1:78:A:ILE:HG23	1:102:A:GLN:HG3	2	0.66
(1,3024)	1:34:A:LEU:HD11	1:150:A:ALA:H	15	0.66
(1,3024)	1:34:A:LEU:HD12	1:150:A:ALA:H	15	0.66
(1,3024)	1:34:A:LEU:HD13	1:150:A:ALA:H	15	0.66
(1,3024)	1:34:A:LEU:HD21	1:150:A:ALA:H	15	0.66
(1,3024)	1:34:A:LEU:HD22	1:150:A:ALA:H	15	0.66
(1,3024)	1:34:A:LEU:HD23	1:150:A:ALA:H	15	0.66
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE1	3	0.66
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE2	3	0.66
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE1	3	0.66
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE2	3	0.66
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE1	3	0.66
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE2	3	0.66
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE1	3	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE2	3	0.66
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE1	3	0.66
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE2	3	0.66
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE1	3	0.66
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE2	3	0.66
(1,2879)	1:13:A:LYS:HD2	1:153:A:THR:HG21	13	0.66
(1,2879)	1:13:A:LYS:HD2	1:153:A:THR:HG22	13	0.66
(1,2879)	1:13:A:LYS:HD2	1:153:A:THR:HG23	13	0.66
(1,2879)	1:13:A:LYS:HD3	1:153:A:THR:HG21	13	0.66
(1,2879)	1:13:A:LYS:HD3	1:153:A:THR:HG22	13	0.66
(1,2879)	1:13:A:LYS:HD3	1:153:A:THR:HG23	13	0.66
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG21	17	0.66
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG22	17	0.66
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG23	17	0.66
(1,2312)	1:32:A:VAL:HG11	1:52:A:VAL:H	12	0.66
(1,2312)	1:32:A:VAL:HG12	1:52:A:VAL:H	12	0.66
(1,2312)	1:32:A:VAL:HG13	1:52:A:VAL:H	12	0.66
(1,2240)	1:20:A:ALA:HA	1:65:A:VAL:HB	3	0.66
(1,2226)	1:16:A:VAL:HA	1:156:A:VAL:H	10	0.66
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE1	20	0.66
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE2	20	0.66
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE1	20	0.66
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE2	20	0.66
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE1	20	0.66
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE2	20	0.66
(1,1688)	1:34:A:LEU:HD21	1:136:A:ARG:H	16	0.66
(1,1688)	1:34:A:LEU:HD22	1:136:A:ARG:H	16	0.66
(1,1688)	1:34:A:LEU:HD23	1:136:A:ARG:H	16	0.66
(1,1688)	1:34:A:LEU:HD21	1:136:A:ARG:H	18	0.66
(1,1688)	1:34:A:LEU:HD22	1:136:A:ARG:H	18	0.66
(1,1688)	1:34:A:LEU:HD23	1:136:A:ARG:H	18	0.66
(1,1680)	1:32:A:VAL:HG11	1:33:A:GLN:H	8	0.66
(1,1680)	1:32:A:VAL:HG12	1:33:A:GLN:H	8	0.66
(1,1680)	1:32:A:VAL:HG13	1:33:A:GLN:H	8	0.66
(1,1680)	1:32:A:VAL:HG11	1:33:A:GLN:H	14	0.66
(1,1680)	1:32:A:VAL:HG12	1:33:A:GLN:H	14	0.66
(1,1680)	1:32:A:VAL:HG13	1:33:A:GLN:H	14	0.66
(1,1636)	1:16:A:VAL:HA	1:17:A:VAL:H	1	0.66
(1,1636)	1:16:A:VAL:HA	1:17:A:VAL:H	6	0.66
(1,1636)	1:16:A:VAL:HA	1:17:A:VAL:H	18	0.66
(1,1563)	1:12:A:PHE:HB3	1:14:A:GLY:H	12	0.66
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE1	14	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE2	14	0.66
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE1	14	0.66
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE2	14	0.66
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE1	14	0.66
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE2	14	0.66
(1,1396)	1:7:A:GLY:HA3	1:37:A:VAL:H	4	0.66
(1,1396)	1:7:A:GLY:HA3	1:37:A:VAL:H	18	0.66
(1,1264)	1:17:A:VAL:HA	1:18:A:ASN:HB3	20	0.66
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB2	17	0.66
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB3	17	0.66
(1,1031)	1:102:A:GLN:HB2	1:136:A:ARG:HE	1	0.66
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG21	7	0.66
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG22	7	0.66
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG23	7	0.66
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG21	7	0.66
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG22	7	0.66
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG23	7	0.66
(1,878)	1:67:A:SER:H	1:159:A:GLN:H	9	0.66
(1,866)	1:56:A:ILE:H	1:133:A:PHE:HB2	2	0.66
(1,838)	1:19:A:ALA:HB1	1:158:A:TYR:H	12	0.66
(1,838)	1:19:A:ALA:HB2	1:158:A:TYR:H	12	0.66
(1,838)	1:19:A:ALA:HB3	1:158:A:TYR:H	12	0.66
(1,782)	1:97:A:THR:HA	1:99:A:VAL:HB	2	0.66
(1,759)	1:66:A:ALA:HB1	1:159:A:GLN:H	5	0.66
(1,759)	1:66:A:ALA:HB2	1:159:A:GLN:H	5	0.66
(1,759)	1:66:A:ALA:HB3	1:159:A:GLN:H	5	0.66
(1,759)	1:66:A:ALA:HB1	1:159:A:GLN:H	9	0.66
(1,759)	1:66:A:ALA:HB2	1:159:A:GLN:H	9	0.66
(1,759)	1:66:A:ALA:HB3	1:159:A:GLN:H	9	0.66
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG11	6	0.66
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG12	6	0.66
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG13	6	0.66
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG11	9	0.66
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG12	9	0.66
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG13	9	0.66
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG11	10	0.66
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG12	10	0.66
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG13	10	0.66
(1,536)	1:42:A:LEU:HD11	1:138:A:PHE:H	17	0.66
(1,536)	1:42:A:LEU:HD12	1:138:A:PHE:H	17	0.66
(1,536)	1:42:A:LEU:HD13	1:138:A:PHE:H	17	0.66
(1,517)	1:88:A:LEU:HD21	1:149:A:ASN:H	7	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,517)	1:88:A:LEU:HD22	1:149:A:ASN:H	7	0.66
(1,517)	1:88:A:LEU:HD23	1:149:A:ASN:H	7	0.66
(1,517)	1:88:A:LEU:HD21	1:149:A:ASN:H	13	0.66
(1,517)	1:88:A:LEU:HD22	1:149:A:ASN:H	13	0.66
(1,517)	1:88:A:LEU:HD23	1:149:A:ASN:H	13	0.66
(1,425)	1:74:A:LEU:HD21	1:153:A:THR:HB	12	0.66
(1,425)	1:74:A:LEU:HD22	1:153:A:THR:HB	12	0.66
(1,425)	1:74:A:LEU:HD23	1:153:A:THR:HB	12	0.66
(1,413)	1:30:A:GLN:HE22	1:54:A:PHE:HD1	16	0.66
(1,413)	1:30:A:GLN:HE22	1:54:A:PHE:HD2	16	0.66
(1,403)	1:102:A:GLN:HB2	1:136:A:ARG:H	18	0.66
(1,357)	1:10:A:VAL:HA	1:149:A:ASN:HB3	19	0.66
(1,285)	1:96:A:ALA:HB1	1:144:A:THR:HB	19	0.66
(1,285)	1:96:A:ALA:HB2	1:144:A:THR:HB	19	0.66
(1,285)	1:96:A:ALA:HB3	1:144:A:THR:HB	19	0.66
(1,269)	1:34:A:LEU:HA	1:52:A:VAL:HA	8	0.66
(1,242)	1:70:A:ALA:H	1:158:A:TYR:HA	2	0.66
(1,217)	1:3:A:THR:HB	1:145:A:PRO:HB2	2	0.66
(1,152)	1:14:A:GLY:H	1:154:A:PHE:HD1	20	0.66
(1,152)	1:14:A:GLY:H	1:154:A:PHE:HD2	20	0.66
(1,70)	1:103:A:ILE:H	1:110:A:ALA:HA	7	0.66
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG11	3	0.66
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG12	3	0.66
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG13	3	0.66
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB1	1	0.66
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB2	1	0.66
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB3	1	0.66
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB1	16	0.66
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB2	16	0.66
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB3	16	0.66
(1,3498)	1:159:A:GLN:H	1:159:A:GLN:HG2	13	0.65
(1,3498)	1:159:A:GLN:H	1:159:A:GLN:HG3	13	0.65
(1,3123)	1:51:A:ALA:HA	1:136:A:ARG:HD2	17	0.65
(1,3123)	1:51:A:ALA:HA	1:136:A:ARG:HD3	17	0.65
(1,2976)	1:27:A:SER:HB2	1:28:A:VAL:HB	7	0.65
(1,2976)	1:27:A:SER:HB3	1:28:A:VAL:HB	7	0.65
(1,2726)	1:89:A:GLN:HG2	1:90:A:SER:H	1	0.65
(1,2726)	1:89:A:GLN:HG3	1:90:A:SER:H	1	0.65
(1,2623)	1:77:A:ALA:HB1	1:81:A:GLY:H	18	0.65
(1,2623)	1:77:A:ALA:HB2	1:81:A:GLY:H	18	0.65
(1,2623)	1:77:A:ALA:HB3	1:81:A:GLY:H	18	0.65
(1,2602)	1:74:A:LEU:HB2	1:153:A:THR:HB	12	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2312)	1:32:A:VAL:HG11	1:52:A:VAL:H	16	0.65
(1,2312)	1:32:A:VAL:HG12	1:52:A:VAL:H	16	0.65
(1,2312)	1:32:A:VAL:HG13	1:52:A:VAL:H	16	0.65
(1,2299)	1:30:A:GLN:HG2	1:31:A:THR:H	4	0.65
(1,2299)	1:30:A:GLN:HG2	1:31:A:THR:H	10	0.65
(1,2229)	1:18:A:ASN:H	1:18:A:ASN:HD21	5	0.65
(1,2229)	1:18:A:ASN:H	1:18:A:ASN:HD21	11	0.65
(1,1962)	1:98:A:ASN:HD21	1:142:A:ALA:H	2	0.65
(1,1962)	1:98:A:ASN:HD21	1:142:A:ALA:H	5	0.65
(1,1688)	1:34:A:LEU:HD21	1:136:A:ARG:H	2	0.65
(1,1688)	1:34:A:LEU:HD22	1:136:A:ARG:H	2	0.65
(1,1688)	1:34:A:LEU:HD23	1:136:A:ARG:H	2	0.65
(1,1396)	1:7:A:GLY:HA3	1:37:A:VAL:H	3	0.65
(1,1396)	1:7:A:GLY:HA3	1:37:A:VAL:H	19	0.65
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG11	1	0.65
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG12	1	0.65
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG13	1	0.65
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG11	1	0.65
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG12	1	0.65
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG13	1	0.65
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG11	1	0.65
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG12	1	0.65
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG13	1	0.65
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG11	3	0.65
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG12	3	0.65
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG13	3	0.65
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG11	3	0.65
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG12	3	0.65
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG13	3	0.65
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG11	3	0.65
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG12	3	0.65
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG13	3	0.65
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG11	7	0.65
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG12	7	0.65
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG13	7	0.65
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG11	7	0.65
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG12	7	0.65
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG13	7	0.65
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG11	7	0.65
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG12	7	0.65
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG13	7	0.65
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG11	12	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG12	12	0.65
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG13	12	0.65
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG11	12	0.65
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG12	12	0.65
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG13	12	0.65
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG11	12	0.65
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG12	12	0.65
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG13	12	0.65
(1,1264)	1:17:A:VAL:HA	1:18:A:ASN:HB3	12	0.65
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD1	3	0.65
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD2	3	0.65
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB2	14	0.65
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB3	14	0.65
(1,856)	1:3:A:THR:HB	1:4:A:THR:HA	5	0.65
(1,856)	1:3:A:THR:HB	1:4:A:THR:HA	18	0.65
(1,782)	1:97:A:THR:HA	1:99:A:VAL:HB	1	0.65
(1,782)	1:97:A:THR:HA	1:99:A:VAL:HB	20	0.65
(1,772)	1:86:A:LEU:HB2	1:101:A:VAL:HB	9	0.65
(1,772)	1:86:A:LEU:HB3	1:101:A:VAL:HB	9	0.65
(1,722)	1:18:A:ASN:H	1:18:A:ASN:HB3	4	0.65
(1,722)	1:18:A:ASN:H	1:18:A:ASN:HB3	6	0.65
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG11	17	0.65
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG12	17	0.65
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG13	17	0.65
(1,413)	1:30:A:GLN:HE22	1:54:A:PHE:HD1	8	0.65
(1,413)	1:30:A:GLN:HE22	1:54:A:PHE:HD2	8	0.65
(1,409)	1:158:A:TYR:HB3	1:159:A:GLN:H	15	0.65
(1,403)	1:102:A:GLN:HB2	1:136:A:ARG:H	16	0.65
(1,354)	1:99:A:VAL:HG21	1:137:A:TYR:HD1	16	0.65
(1,354)	1:99:A:VAL:HG21	1:137:A:TYR:HD2	16	0.65
(1,354)	1:99:A:VAL:HG22	1:137:A:TYR:HD1	16	0.65
(1,354)	1:99:A:VAL:HG22	1:137:A:TYR:HD2	16	0.65
(1,354)	1:99:A:VAL:HG23	1:137:A:TYR:HD1	16	0.65
(1,354)	1:99:A:VAL:HG23	1:137:A:TYR:HD2	16	0.65
(1,293)	1:16:A:VAL:HA	1:155:A:LYS:HA	9	0.65
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD21	8	0.65
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD22	8	0.65
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD23	8	0.65
(1,269)	1:34:A:LEU:HA	1:52:A:VAL:HA	6	0.65
(1,242)	1:70:A:ALA:H	1:158:A:TYR:HA	15	0.65
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG21	10	0.65
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG22	10	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG23	10	0.65
(1,160)	1:10:A:VAL:HG11	1:12:A:PHE:HD1	1	0.65
(1,160)	1:10:A:VAL:HG11	1:12:A:PHE:HD2	1	0.65
(1,160)	1:10:A:VAL:HG12	1:12:A:PHE:HD1	1	0.65
(1,160)	1:10:A:VAL:HG12	1:12:A:PHE:HD2	1	0.65
(1,160)	1:10:A:VAL:HG13	1:12:A:PHE:HD1	1	0.65
(1,160)	1:10:A:VAL:HG13	1:12:A:PHE:HD2	1	0.65
(1,142)	1:148:A:ALA:H	1:149:A:ASN:HB3	7	0.65
(1,139)	1:95:A:SER:H	1:147:A:ALA:H	13	0.65
(1,76)	1:69:A:ALA:HA	1:159:A:GLN:H	2	0.65
(1,70)	1:103:A:ILE:H	1:110:A:ALA:HA	13	0.65
(1,54)	1:74:A:LEU:HG	1:152:A:ALA:HA	4	0.65
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB1	10	0.65
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB2	10	0.65
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB3	10	0.65
(1,50)	1:24:A:ASP:H	1:28:A:VAL:H	13	0.65
(1,50)	1:24:A:ASP:H	1:28:A:VAL:H	16	0.65
(1,37)	1:20:A:ALA:HB1	1:65:A:VAL:HB	11	0.65
(1,37)	1:20:A:ALA:HB2	1:65:A:VAL:HB	11	0.65
(1,37)	1:20:A:ALA:HB3	1:65:A:VAL:HB	11	0.65
(1,36)	1:137:A:TYR:HD1	1:148:A:ALA:HA	5	0.65
(1,36)	1:137:A:TYR:HD2	1:148:A:ALA:HA	5	0.65
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB1	11	0.65
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB2	11	0.65
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB3	11	0.65
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB1	20	0.64
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB2	20	0.64
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB3	20	0.64
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB1	20	0.64
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB2	20	0.64
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB3	20	0.64
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB1	20	0.64
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB2	20	0.64
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB3	20	0.64
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB1	20	0.64
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB2	20	0.64
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB3	20	0.64
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB1	20	0.64
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB2	20	0.64
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB3	20	0.64
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB1	20	0.64
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB2	20	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB3	20	0.64
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD11	9	0.64
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD12	9	0.64
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD13	9	0.64
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD11	9	0.64
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD12	9	0.64
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD13	9	0.64
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD11	9	0.64
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD12	9	0.64
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD13	9	0.64
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD11	9	0.64
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD12	9	0.64
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD13	9	0.64
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD11	9	0.64
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD12	9	0.64
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD13	9	0.64
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD11	9	0.64
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD12	9	0.64
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD13	9	0.64
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD1	8	0.64
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD2	8	0.64
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD1	8	0.64
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD2	8	0.64
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE1	11	0.64
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE2	11	0.64
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE1	11	0.64
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE2	11	0.64
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE1	11	0.64
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE2	11	0.64
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE1	11	0.64
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE2	11	0.64
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE1	11	0.64
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE2	11	0.64
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE1	11	0.64
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE2	11	0.64
(1,2792)	1:9:A:THR:HG21	1:32:A:VAL:H	11	0.64
(1,2792)	1:9:A:THR:HG22	1:32:A:VAL:H	11	0.64
(1,2792)	1:9:A:THR:HG23	1:32:A:VAL:H	11	0.64
(1,2623)	1:77:A:ALA:HB1	1:81:A:GLY:H	19	0.64
(1,2623)	1:77:A:ALA:HB2	1:81:A:GLY:H	19	0.64
(1,2623)	1:77:A:ALA:HB3	1:81:A:GLY:H	19	0.64
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE1	11	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE2	11	0.64
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE1	11	0.64
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE2	11	0.64
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE1	11	0.64
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE2	11	0.64
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE1	14	0.64
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE2	14	0.64
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE1	14	0.64
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE2	14	0.64
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE1	14	0.64
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE2	14	0.64
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE1	18	0.64
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE2	18	0.64
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE1	18	0.64
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE2	18	0.64
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE1	18	0.64
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE2	18	0.64
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD1	8	0.64
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD2	8	0.64
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD1	8	0.64
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD2	8	0.64
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD1	8	0.64
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD2	8	0.64
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD1	14	0.64
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD2	14	0.64
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD1	14	0.64
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD2	14	0.64
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD1	14	0.64
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD2	14	0.64
(1,1962)	1:98:A:ASN:HD21	1:142:A:ALA:H	1	0.64
(1,1962)	1:98:A:ASN:HD21	1:142:A:ALA:H	12	0.64
(1,1636)	1:16:A:VAL:HA	1:17:A:VAL:H	7	0.64
(1,1636)	1:16:A:VAL:HA	1:17:A:VAL:H	20	0.64
(1,1563)	1:12:A:PHE:HB3	1:14:A:GLY:H	13	0.64
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG21	17	0.64
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG22	17	0.64
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG23	17	0.64
(1,1289)	1:32:A:VAL:HG21	1:55:A:ASN:H	12	0.64
(1,1289)	1:32:A:VAL:HG22	1:55:A:ASN:H	12	0.64
(1,1289)	1:32:A:VAL:HG23	1:55:A:ASN:H	12	0.64
(1,1264)	1:17:A:VAL:HA	1:18:A:ASN:HB3	6	0.64
(1,1264)	1:17:A:VAL:HA	1:18:A:ASN:HB3	9	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1264)	1:17:A:VAL:HA	1:18:A:ASN:HB3	17	0.64
(1,1264)	1:17:A:VAL:HA	1:18:A:ASN:HB3	19	0.64
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD1	14	0.64
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD2	14	0.64
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD1	18	0.64
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD2	18	0.64
(1,949)	1:14:A:GLY:HA3	1:155:A:LYS:HA	9	0.64
(1,856)	1:3:A:THR:HB	1:4:A:THR:HA	8	0.64
(1,856)	1:3:A:THR:HB	1:4:A:THR:HA	20	0.64
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG21	13	0.64
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG22	13	0.64
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG23	13	0.64
(1,759)	1:66:A:ALA:HB1	1:159:A:GLN:H	4	0.64
(1,759)	1:66:A:ALA:HB2	1:159:A:GLN:H	4	0.64
(1,759)	1:66:A:ALA:HB3	1:159:A:GLN:H	4	0.64
(1,722)	1:18:A:ASN:H	1:18:A:ASN:HB3	9	0.64
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG11	8	0.64
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG12	8	0.64
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG13	8	0.64
(1,519)	1:90:A:SER:HA	1:95:A:SER:HA	15	0.64
(1,351)	1:92:A:ALA:HA	1:95:A:SER:HB2	15	0.64
(1,351)	1:92:A:ALA:HA	1:95:A:SER:HB3	15	0.64
(1,330)	1:131:A:ILE:HG21	1:133:A:PHE:HB2	2	0.64
(1,330)	1:131:A:ILE:HG22	1:133:A:PHE:HB2	2	0.64
(1,330)	1:131:A:ILE:HG23	1:133:A:PHE:HB2	2	0.64
(1,269)	1:34:A:LEU:HA	1:52:A:VAL:HA	3	0.64
(1,269)	1:34:A:LEU:HA	1:52:A:VAL:HA	10	0.64
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB1	5	0.64
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB2	5	0.64
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB3	5	0.64
(1,63)	1:20:A:ALA:HB1	1:63:A:THR:H	15	0.64
(1,63)	1:20:A:ALA:HB2	1:63:A:THR:H	15	0.64
(1,63)	1:20:A:ALA:HB3	1:63:A:THR:H	15	0.64
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB1	2	0.64
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB2	2	0.64
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB3	2	0.64
(1,36)	1:137:A:TYR:HD1	1:148:A:ALA:HA	18	0.64
(1,36)	1:137:A:TYR:HD2	1:148:A:ALA:HA	18	0.64
(1,3402)	1:100:A:GLY:HA3	1:102:A:GLN:HG2	5	0.63
(1,3402)	1:100:A:GLY:HA3	1:102:A:GLN:HG3	5	0.63
(1,3402)	1:100:A:GLY:HA3	1:102:A:GLN:HG2	6	0.63
(1,3402)	1:100:A:GLY:HA3	1:102:A:GLN:HG3	6	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB1	7	0.63
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB2	7	0.63
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB3	7	0.63
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB1	7	0.63
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB2	7	0.63
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB3	7	0.63
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB1	7	0.63
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB2	7	0.63
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB3	7	0.63
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB1	7	0.63
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB2	7	0.63
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB3	7	0.63
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB1	7	0.63
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB2	7	0.63
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB3	7	0.63
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB1	7	0.63
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB2	7	0.63
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB3	7	0.63
(1,3389)	1:99:A:VAL:HG11	1:137:A:TYR:HA	7	0.63
(1,3389)	1:99:A:VAL:HG12	1:137:A:TYR:HA	7	0.63
(1,3389)	1:99:A:VAL:HG13	1:137:A:TYR:HA	7	0.63
(1,3389)	1:99:A:VAL:HG21	1:137:A:TYR:HA	7	0.63
(1,3389)	1:99:A:VAL:HG22	1:137:A:TYR:HA	7	0.63
(1,3389)	1:99:A:VAL:HG23	1:137:A:TYR:HA	7	0.63
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD11	16	0.63
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD12	16	0.63
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD13	16	0.63
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD11	16	0.63
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD12	16	0.63
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD13	16	0.63
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD11	16	0.63
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD12	16	0.63
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD13	16	0.63
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD11	16	0.63
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD12	16	0.63
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD13	16	0.63
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD11	16	0.63
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD12	16	0.63
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD13	16	0.63
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD11	16	0.63
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD12	16	0.63
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD13	16	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3024)	1:34:A:LEU:HD11	1:150:A:ALA:H	13	0.63
(1,3024)	1:34:A:LEU:HD12	1:150:A:ALA:H	13	0.63
(1,3024)	1:34:A:LEU:HD13	1:150:A:ALA:H	13	0.63
(1,3024)	1:34:A:LEU:HD21	1:150:A:ALA:H	13	0.63
(1,3024)	1:34:A:LEU:HD22	1:150:A:ALA:H	13	0.63
(1,3024)	1:34:A:LEU:HD23	1:150:A:ALA:H	13	0.63
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE1	14	0.63
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE2	14	0.63
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE1	14	0.63
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE2	14	0.63
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE1	14	0.63
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE2	14	0.63
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE1	14	0.63
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE2	14	0.63
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE1	14	0.63
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE2	14	0.63
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE1	14	0.63
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE2	14	0.63
(1,2403)	1:45:A:GLU:HB3	1:141:A:GLY:H	12	0.63
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE1	5	0.63
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE2	5	0.63
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE1	5	0.63
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE2	5	0.63
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE1	5	0.63
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE2	5	0.63
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD1	1	0.63
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD2	1	0.63
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD1	1	0.63
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD2	1	0.63
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD1	1	0.63
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD2	1	0.63
(1,1962)	1:98:A:ASN:HD21	1:142:A:ALA:H	3	0.63
(1,1885)	1:79:A:ASP:H	1:81:A:GLY:H	17	0.63
(1,1885)	1:79:A:ASP:H	1:81:A:GLY:H	18	0.63
(1,1688)	1:34:A:LEU:HD21	1:136:A:ARG:H	14	0.63
(1,1688)	1:34:A:LEU:HD22	1:136:A:ARG:H	14	0.63
(1,1688)	1:34:A:LEU:HD23	1:136:A:ARG:H	14	0.63
(1,1688)	1:34:A:LEU:HD21	1:136:A:ARG:H	17	0.63
(1,1688)	1:34:A:LEU:HD22	1:136:A:ARG:H	17	0.63
(1,1688)	1:34:A:LEU:HD23	1:136:A:ARG:H	17	0.63
(1,1680)	1:32:A:VAL:HG11	1:33:A:GLN:H	10	0.63
(1,1680)	1:32:A:VAL:HG12	1:33:A:GLN:H	10	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1680)	1:32:A:VAL:HG13	1:33:A:GLN:H	10	0.63
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE1	7	0.63
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE2	7	0.63
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE1	7	0.63
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE2	7	0.63
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE1	7	0.63
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE2	7	0.63
(1,1396)	1:7:A:GLY:HA3	1:37:A:VAL:H	2	0.63
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG11	5	0.63
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG12	5	0.63
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG13	5	0.63
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG11	5	0.63
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG12	5	0.63
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG13	5	0.63
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG11	5	0.63
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG12	5	0.63
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG13	5	0.63
(1,1289)	1:32:A:VAL:HG21	1:55:A:ASN:H	14	0.63
(1,1289)	1:32:A:VAL:HG22	1:55:A:ASN:H	14	0.63
(1,1289)	1:32:A:VAL:HG23	1:55:A:ASN:H	14	0.63
(1,1289)	1:32:A:VAL:HG21	1:55:A:ASN:H	19	0.63
(1,1289)	1:32:A:VAL:HG22	1:55:A:ASN:H	19	0.63
(1,1289)	1:32:A:VAL:HG23	1:55:A:ASN:H	19	0.63
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD1	9	0.63
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD2	9	0.63
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB2	3	0.63
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB3	3	0.63
(1,949)	1:14:A:GLY:HA3	1:155:A:LYS:HA	11	0.63
(1,915)	1:101:A:VAL:HA	1:102:A:GLN:HB2	9	0.63
(1,866)	1:56:A:ILE:H	1:133:A:PHE:HB2	12	0.63
(1,861)	1:48:A:THR:HG21	1:136:A:ARG:HE	19	0.63
(1,861)	1:48:A:THR:HG22	1:136:A:ARG:HE	19	0.63
(1,861)	1:48:A:THR:HG23	1:136:A:ARG:HE	19	0.63
(1,782)	1:97:A:THR:HA	1:99:A:VAL:HB	11	0.63
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG11	18	0.63
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG12	18	0.63
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG13	18	0.63
(1,425)	1:74:A:LEU:HD21	1:153:A:THR:HB	15	0.63
(1,425)	1:74:A:LEU:HD22	1:153:A:THR:HB	15	0.63
(1,425)	1:74:A:LEU:HD23	1:153:A:THR:HB	15	0.63
(1,357)	1:10:A:VAL:HA	1:149:A:ASN:HB3	12	0.63
(1,330)	1:131:A:ILE:HG21	1:133:A:PHE:HB2	10	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,330)	1:131:A:ILE:HG22	1:133:A:PHE:HB2	10	0.63
(1,330)	1:131:A:ILE:HG23	1:133:A:PHE:HB2	10	0.63
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB1	7	0.63
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB2	7	0.63
(1,223)	1:99:A:VAL:HB	1:143:A:ALA:HB3	7	0.63
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG21	4	0.63
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG22	4	0.63
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG23	4	0.63
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG21	11	0.63
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG22	11	0.63
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG23	11	0.63
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG21	13	0.63
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG22	13	0.63
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG23	13	0.63
(1,139)	1:95:A:SER:H	1:147:A:ALA:H	14	0.63
(1,139)	1:95:A:SER:H	1:147:A:ALA:H	16	0.63
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG21	18	0.63
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG22	18	0.63
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG23	18	0.63
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG21	18	0.63
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG22	18	0.63
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG23	18	0.63
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG21	18	0.63
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG22	18	0.63
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG23	18	0.63
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB1	12	0.63
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB2	12	0.63
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB3	12	0.63
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB1	20	0.63
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB2	20	0.63
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB3	20	0.63
(1,14)	1:115:A:GLY:HA2	1:155:A:LYS:HD2	20	0.63
(1,14)	1:115:A:GLY:HA2	1:155:A:LYS:HD3	20	0.63
(1,8)	1:13:A:LYS:HD2	1:153:A:THR:HG21	2	0.63
(1,8)	1:13:A:LYS:HD2	1:153:A:THR:HG22	2	0.63
(1,8)	1:13:A:LYS:HD2	1:153:A:THR:HG23	2	0.63
(1,3389)	1:99:A:VAL:HG11	1:137:A:TYR:HA	5	0.62
(1,3389)	1:99:A:VAL:HG12	1:137:A:TYR:HA	5	0.62
(1,3389)	1:99:A:VAL:HG13	1:137:A:TYR:HA	5	0.62
(1,3389)	1:99:A:VAL:HG21	1:137:A:TYR:HA	5	0.62
(1,3389)	1:99:A:VAL:HG22	1:137:A:TYR:HA	5	0.62
(1,3389)	1:99:A:VAL:HG23	1:137:A:TYR:HA	5	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD11	11	0.62
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD12	11	0.62
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD13	11	0.62
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD11	11	0.62
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD12	11	0.62
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD13	11	0.62
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD11	11	0.62
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD12	11	0.62
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD13	11	0.62
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD11	11	0.62
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD12	11	0.62
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD13	11	0.62
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD11	11	0.62
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD12	11	0.62
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD13	11	0.62
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD11	11	0.62
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD12	11	0.62
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD13	11	0.62
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG21	1	0.62
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG22	1	0.62
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG23	1	0.62
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG21	7	0.62
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG22	7	0.62
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG23	7	0.62
(1,2356)	1:3:A:THR:HB	1:145:A:PRO:HB3	9	0.62
(1,2312)	1:32:A:VAL:HG11	1:52:A:VAL:H	4	0.62
(1,2312)	1:32:A:VAL:HG12	1:52:A:VAL:H	4	0.62
(1,2312)	1:32:A:VAL:HG13	1:52:A:VAL:H	4	0.62
(1,2312)	1:32:A:VAL:HG11	1:52:A:VAL:H	8	0.62
(1,2312)	1:32:A:VAL:HG12	1:52:A:VAL:H	8	0.62
(1,2312)	1:32:A:VAL:HG13	1:52:A:VAL:H	8	0.62
(1,2229)	1:18:A:ASN:H	1:18:A:ASN:HD21	13	0.62
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE1	13	0.62
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE2	13	0.62
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE1	13	0.62
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE2	13	0.62
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE1	13	0.62
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE2	13	0.62
(1,2041)	1:10:A:VAL:H	1:32:A:VAL:HB	13	0.62
(1,1962)	1:98:A:ASN:HD21	1:142:A:ALA:H	14	0.62
(1,1962)	1:98:A:ASN:HD21	1:142:A:ALA:H	17	0.62
(1,1962)	1:98:A:ASN:HD21	1:142:A:ALA:H	19	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE1	8	0.62
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE2	8	0.62
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE1	8	0.62
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE2	8	0.62
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE1	8	0.62
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE2	8	0.62
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE1	16	0.62
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE2	16	0.62
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE1	16	0.62
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE2	16	0.62
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE1	16	0.62
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE2	16	0.62
(1,1613)	1:14:A:GLY:H	1:154:A:PHE:H	2	0.62
(1,1396)	1:7:A:GLY:HA3	1:37:A:VAL:H	13	0.62
(1,1264)	1:17:A:VAL:HA	1:18:A:ASN:HB3	3	0.62
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD1	4	0.62
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD2	4	0.62
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD1	19	0.62
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD2	19	0.62
(1,1099)	1:48:A:THR:HG21	1:136:A:ARG:HG2	8	0.62
(1,1099)	1:48:A:THR:HG21	1:136:A:ARG:HG3	8	0.62
(1,1099)	1:48:A:THR:HG22	1:136:A:ARG:HG2	8	0.62
(1,1099)	1:48:A:THR:HG22	1:136:A:ARG:HG3	8	0.62
(1,1099)	1:48:A:THR:HG23	1:136:A:ARG:HG2	8	0.62
(1,1099)	1:48:A:THR:HG23	1:136:A:ARG:HG3	8	0.62
(1,1085)	1:34:A:LEU:HA	1:52:A:VAL:HB	5	0.62
(1,1085)	1:34:A:LEU:HA	1:52:A:VAL:HB	8	0.62
(1,1085)	1:34:A:LEU:HA	1:52:A:VAL:HB	16	0.62
(1,915)	1:101:A:VAL:HA	1:102:A:GLN:HB2	5	0.62
(1,915)	1:101:A:VAL:HA	1:102:A:GLN:HB2	13	0.62
(1,915)	1:101:A:VAL:HA	1:102:A:GLN:HB2	15	0.62
(1,915)	1:101:A:VAL:HA	1:102:A:GLN:HB2	17	0.62
(1,915)	1:101:A:VAL:HA	1:102:A:GLN:HB2	20	0.62
(1,875)	1:61:A:CYS:HB2	1:126:A:ASN:HA	12	0.62
(1,856)	1:3:A:THR:HB	1:4:A:THR:HA	6	0.62
(1,856)	1:3:A:THR:HB	1:4:A:THR:HA	19	0.62
(1,722)	1:18:A:ASN:H	1:18:A:ASN:HB3	3	0.62
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG11	2	0.62
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG12	2	0.62
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG13	2	0.62
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG11	4	0.62
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG12	4	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG13	4	0.62
(1,409)	1:158:A:TYR:HB3	1:159:A:GLN:H	20	0.62
(1,357)	1:10:A:VAL:HA	1:149:A:ASN:HB3	13	0.62
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB1	4	0.62
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB2	4	0.62
(1,324)	1:99:A:VAL:HB	1:139:A:ALA:HB3	4	0.62
(1,269)	1:34:A:LEU:HA	1:52:A:VAL:HA	1	0.62
(1,229)	1:22:A:ALA:HA	1:58:A:LEU:HB3	8	0.62
(1,220)	1:70:A:ALA:H	1:121:A:GLU:HA	9	0.62
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB1	5	0.62
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB2	5	0.62
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB3	5	0.62
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB1	8	0.61
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB2	8	0.61
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB3	8	0.61
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB1	8	0.61
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB2	8	0.61
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB3	8	0.61
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB1	8	0.61
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB2	8	0.61
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB3	8	0.61
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB1	8	0.61
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB2	8	0.61
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB3	8	0.61
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB1	8	0.61
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB2	8	0.61
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB3	8	0.61
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB1	8	0.61
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB2	8	0.61
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB3	8	0.61
(1,3392)	1:99:A:VAL:HG11	1:137:A:TYR:HE1	16	0.61
(1,3392)	1:99:A:VAL:HG11	1:137:A:TYR:HE2	16	0.61
(1,3392)	1:99:A:VAL:HG12	1:137:A:TYR:HE1	16	0.61
(1,3392)	1:99:A:VAL:HG12	1:137:A:TYR:HE2	16	0.61
(1,3392)	1:99:A:VAL:HG13	1:137:A:TYR:HE1	16	0.61
(1,3392)	1:99:A:VAL:HG13	1:137:A:TYR:HE2	16	0.61
(1,3392)	1:99:A:VAL:HG21	1:137:A:TYR:HE1	16	0.61
(1,3392)	1:99:A:VAL:HG21	1:137:A:TYR:HE2	16	0.61
(1,3392)	1:99:A:VAL:HG22	1:137:A:TYR:HE1	16	0.61
(1,3392)	1:99:A:VAL:HG22	1:137:A:TYR:HE2	16	0.61
(1,3392)	1:99:A:VAL:HG23	1:137:A:TYR:HE1	16	0.61
(1,3392)	1:99:A:VAL:HG23	1:137:A:TYR:HE2	16	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD11	3	0.61
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD12	3	0.61
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD13	3	0.61
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD11	3	0.61
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD12	3	0.61
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD13	3	0.61
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD11	3	0.61
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD12	3	0.61
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD13	3	0.61
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD11	3	0.61
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD12	3	0.61
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD13	3	0.61
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD11	3	0.61
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD12	3	0.61
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD13	3	0.61
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD11	3	0.61
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD12	3	0.61
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD13	3	0.61
(1,2623)	1:77:A:ALA:HB1	1:81:A:GLY:H	4	0.61
(1,2623)	1:77:A:ALA:HB2	1:81:A:GLY:H	4	0.61
(1,2623)	1:77:A:ALA:HB3	1:81:A:GLY:H	4	0.61
(1,2602)	1:74:A:LEU:HB2	1:153:A:THR:HB	17	0.61
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG21	18	0.61
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG22	18	0.61
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG23	18	0.61
(1,2503)	1:5:A:VAL:HG21	1:39:A:THR:HA	7	0.61
(1,2503)	1:5:A:VAL:HG22	1:39:A:THR:HA	7	0.61
(1,2503)	1:5:A:VAL:HG23	1:39:A:THR:HA	7	0.61
(1,2240)	1:20:A:ALA:HA	1:65:A:VAL:HB	1	0.61
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD1	3	0.61
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD2	3	0.61
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD1	3	0.61
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD2	3	0.61
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD1	3	0.61
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD2	3	0.61
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD1	12	0.61
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD2	12	0.61
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD1	12	0.61
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD2	12	0.61
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD1	12	0.61
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD2	12	0.61
(1,2041)	1:10:A:VAL:H	1:32:A:VAL:HB	11	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1688)	1:34:A:LEU:HD21	1:136:A:ARG:H	9	0.61
(1,1688)	1:34:A:LEU:HD22	1:136:A:ARG:H	9	0.61
(1,1688)	1:34:A:LEU:HD23	1:136:A:ARG:H	9	0.61
(1,1688)	1:34:A:LEU:HD21	1:136:A:ARG:H	11	0.61
(1,1688)	1:34:A:LEU:HD22	1:136:A:ARG:H	11	0.61
(1,1688)	1:34:A:LEU:HD23	1:136:A:ARG:H	11	0.61
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD1	14	0.61
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD2	14	0.61
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD1	14	0.61
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD2	14	0.61
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD1	14	0.61
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD2	14	0.61
(1,1396)	1:7:A:GLY:HA3	1:37:A:VAL:H	17	0.61
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG21	20	0.61
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG22	20	0.61
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG23	20	0.61
(1,1257)	1:158:A:TYR:H	1:158:A:TYR:HB2	2	0.61
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD1	7	0.61
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD2	7	0.61
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB2	19	0.61
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB3	19	0.61
(1,1061)	1:130:A:THR:HG21	1:132:A:PRO:HA	10	0.61
(1,1061)	1:130:A:THR:HG22	1:132:A:PRO:HA	10	0.61
(1,1061)	1:130:A:THR:HG23	1:132:A:PRO:HA	10	0.61
(1,1061)	1:130:A:THR:HG21	1:132:A:PRO:HA	15	0.61
(1,1061)	1:130:A:THR:HG22	1:132:A:PRO:HA	15	0.61
(1,1061)	1:130:A:THR:HG23	1:132:A:PRO:HA	15	0.61
(1,915)	1:101:A:VAL:HA	1:102:A:GLN:HB2	7	0.61
(1,915)	1:101:A:VAL:HA	1:102:A:GLN:HB2	14	0.61
(1,915)	1:101:A:VAL:HA	1:102:A:GLN:HB2	19	0.61
(1,856)	1:3:A:THR:HB	1:4:A:THR:HA	9	0.61
(1,856)	1:3:A:THR:HB	1:4:A:THR:HA	14	0.61
(1,774)	1:8:A:GLY:H	1:148:A:ALA:H	8	0.61
(1,759)	1:66:A:ALA:HB1	1:159:A:GLN:H	12	0.61
(1,759)	1:66:A:ALA:HB2	1:159:A:GLN:H	12	0.61
(1,759)	1:66:A:ALA:HB3	1:159:A:GLN:H	12	0.61
(1,536)	1:42:A:LEU:HD11	1:138:A:PHE:H	9	0.61
(1,536)	1:42:A:LEU:HD12	1:138:A:PHE:H	9	0.61
(1,536)	1:42:A:LEU:HD13	1:138:A:PHE:H	9	0.61
(1,425)	1:74:A:LEU:HD21	1:153:A:THR:HB	3	0.61
(1,425)	1:74:A:LEU:HD22	1:153:A:THR:HB	3	0.61
(1,425)	1:74:A:LEU:HD23	1:153:A:THR:HB	3	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,425)	1:74:A:LEU:HD21	1:153:A:THR:HB	5	0.61
(1,425)	1:74:A:LEU:HD22	1:153:A:THR:HB	5	0.61
(1,425)	1:74:A:LEU:HD23	1:153:A:THR:HB	5	0.61
(1,373)	1:78:A:ILE:HD11	1:100:A:GLY:HA2	15	0.61
(1,373)	1:78:A:ILE:HD12	1:100:A:GLY:HA2	15	0.61
(1,373)	1:78:A:ILE:HD13	1:100:A:GLY:HA2	15	0.61
(1,307)	1:158:A:TYR:HA	1:159:A:GLN:H	20	0.61
(1,269)	1:34:A:LEU:HA	1:52:A:VAL:HA	5	0.61
(1,241)	1:6:A:ASN:HA	1:146:A:GLY:H	4	0.61
(1,241)	1:6:A:ASN:HA	1:146:A:GLY:H	12	0.61
(1,241)	1:6:A:ASN:HA	1:146:A:GLY:H	19	0.61
(1,217)	1:3:A:THR:HB	1:145:A:PRO:HB2	17	0.61
(1,181)	1:74:A:LEU:HG	1:115:A:GLY:HA2	6	0.61
(1,162)	1:18:A:ASN:HA	1:18:A:ASN:HD21	18	0.61
(1,151)	1:106:A:ARG:HA	1:133:A:PHE:HE1	15	0.61
(1,151)	1:106:A:ARG:HA	1:133:A:PHE:HE2	15	0.61
(1,131)	1:14:A:GLY:HA2	1:154:A:PHE:H	18	0.61
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB1	6	0.61
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB2	6	0.61
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB3	6	0.61
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB1	13	0.61
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB2	13	0.61
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB3	13	0.61
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB1	16	0.61
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB2	16	0.61
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB3	16	0.61
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB1	17	0.61
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB2	17	0.61
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB3	17	0.61
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB1	12	0.61
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB2	12	0.61
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB3	12	0.61
(1,36)	1:137:A:TYR:HD1	1:148:A:ALA:HA	2	0.61
(1,36)	1:137:A:TYR:HD2	1:148:A:ALA:HA	2	0.61
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG11	7	0.6
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG12	7	0.6
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG13	7	0.6
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG21	7	0.6
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG22	7	0.6
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG23	7	0.6
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG11	5	0.6
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG12	5	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG13	5	0.6
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG21	5	0.6
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG22	5	0.6
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG23	5	0.6
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG11	5	0.6
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG12	5	0.6
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG13	5	0.6
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG21	5	0.6
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG22	5	0.6
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG23	5	0.6
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG11	5	0.6
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG12	5	0.6
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG13	5	0.6
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG21	5	0.6
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG22	5	0.6
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG23	5	0.6
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG11	5	0.6
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG12	5	0.6
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG13	5	0.6
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG21	5	0.6
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG22	5	0.6
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG23	5	0.6
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG11	5	0.6
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG12	5	0.6
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG13	5	0.6
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG21	5	0.6
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG22	5	0.6
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG23	5	0.6
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG11	5	0.6
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG12	5	0.6
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG13	5	0.6
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG21	5	0.6
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG22	5	0.6
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG23	5	0.6
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG11	12	0.6
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG12	12	0.6
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG13	12	0.6
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG21	12	0.6
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG22	12	0.6
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG23	12	0.6
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG11	12	0.6
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG12	12	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG13	12	0.6
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG21	12	0.6
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG22	12	0.6
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG23	12	0.6
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG11	12	0.6
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG12	12	0.6
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG13	12	0.6
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG21	12	0.6
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG22	12	0.6
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG23	12	0.6
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG11	12	0.6
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG12	12	0.6
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG13	12	0.6
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG21	12	0.6
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG22	12	0.6
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG23	12	0.6
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG11	12	0.6
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG12	12	0.6
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG13	12	0.6
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG21	12	0.6
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG22	12	0.6
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG23	12	0.6
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG11	12	0.6
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG12	12	0.6
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG13	12	0.6
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG21	12	0.6
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG22	12	0.6
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG23	12	0.6
(1,2903)	1:16:A:VAL:HG11	1:23:A:VAL:H	18	0.6
(1,2903)	1:16:A:VAL:HG12	1:23:A:VAL:H	18	0.6
(1,2903)	1:16:A:VAL:HG13	1:23:A:VAL:H	18	0.6
(1,2903)	1:16:A:VAL:HG21	1:23:A:VAL:H	18	0.6
(1,2903)	1:16:A:VAL:HG22	1:23:A:VAL:H	18	0.6
(1,2903)	1:16:A:VAL:HG23	1:23:A:VAL:H	18	0.6
(1,2766)	1:98:A:ASN:HD22	1:142:A:ALA:H	4	0.6
(1,2602)	1:74:A:LEU:HB2	1:153:A:THR:HB	3	0.6
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG21	19	0.6
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG22	19	0.6
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG23	19	0.6
(1,2356)	1:3:A:THR:HB	1:145:A:PRO:HB3	13	0.6
(1,2356)	1:3:A:THR:HB	1:145:A:PRO:HB3	18	0.6
(1,2299)	1:30:A:GLN:HG2	1:31:A:THR:H	1	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2242)	1:20:A:ALA:HB1	1:158:A:TYR:HA	5	0.6
(1,2242)	1:20:A:ALA:HB2	1:158:A:TYR:HA	5	0.6
(1,2242)	1:20:A:ALA:HB3	1:158:A:TYR:HA	5	0.6
(1,2229)	1:18:A:ASN:H	1:18:A:ASN:HD21	18	0.6
(1,2041)	1:10:A:VAL:H	1:32:A:VAL:HB	5	0.6
(1,1962)	1:98:A:ASN:HD21	1:142:A:ALA:H	7	0.6
(1,1962)	1:98:A:ASN:HD21	1:142:A:ALA:H	8	0.6
(1,1680)	1:32:A:VAL:HG11	1:33:A:GLN:H	13	0.6
(1,1680)	1:32:A:VAL:HG12	1:33:A:GLN:H	13	0.6
(1,1680)	1:32:A:VAL:HG13	1:33:A:GLN:H	13	0.6
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE1	3	0.6
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE2	3	0.6
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE1	3	0.6
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE2	3	0.6
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE1	3	0.6
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE2	3	0.6
(1,1264)	1:17:A:VAL:HA	1:18:A:ASN:HB3	4	0.6
(1,1211)	1:124:A:LEU:HD11	1:159:A:GLN:H	7	0.6
(1,1211)	1:124:A:LEU:HD12	1:159:A:GLN:H	7	0.6
(1,1211)	1:124:A:LEU:HD13	1:159:A:GLN:H	7	0.6
(1,1211)	1:124:A:LEU:HD21	1:159:A:GLN:H	7	0.6
(1,1211)	1:124:A:LEU:HD22	1:159:A:GLN:H	7	0.6
(1,1211)	1:124:A:LEU:HD23	1:159:A:GLN:H	7	0.6
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG21	7	0.6
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG22	7	0.6
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG23	7	0.6
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG21	2	0.6
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG22	2	0.6
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG23	2	0.6
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG21	2	0.6
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG22	2	0.6
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG23	2	0.6
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG21	6	0.6
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG22	6	0.6
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG23	6	0.6
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG21	6	0.6
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG22	6	0.6
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG23	6	0.6
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG21	20	0.6
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG22	20	0.6
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG23	20	0.6
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG21	20	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG22	20	0.6
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG23	20	0.6
(1,915)	1:101:A:VAL:HA	1:102:A:GLN:HB2	2	0.6
(1,915)	1:101:A:VAL:HA	1:102:A:GLN:HB2	6	0.6
(1,915)	1:101:A:VAL:HA	1:102:A:GLN:HB2	18	0.6
(1,866)	1:56:A:ILE:H	1:133:A:PHE:HB2	5	0.6
(1,856)	1:3:A:THR:HB	1:4:A:THR:HA	1	0.6
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG11	7	0.6
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG12	7	0.6
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG13	7	0.6
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG11	13	0.6
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG12	13	0.6
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG13	13	0.6
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG11	15	0.6
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG12	15	0.6
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG13	15	0.6
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG11	19	0.6
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG12	19	0.6
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG13	19	0.6
(1,615)	1:96:A:ALA:HA	1:147:A:ALA:H	4	0.6
(1,403)	1:102:A:GLN:HB2	1:136:A:ARG:H	12	0.6
(1,350)	1:90:A:SER:HA	1:93:A:ALA:H	8	0.6
(1,350)	1:90:A:SER:HA	1:93:A:ALA:H	19	0.6
(1,307)	1:158:A:TYR:HA	1:159:A:GLN:H	8	0.6
(1,293)	1:16:A:VAL:HA	1:155:A:LYS:HA	16	0.6
(1,293)	1:16:A:VAL:HA	1:155:A:LYS:HA	17	0.6
(1,214)	1:13:A:LYS:HD3	1:153:A:THR:HG21	1	0.6
(1,214)	1:13:A:LYS:HD3	1:153:A:THR:HG22	1	0.6
(1,214)	1:13:A:LYS:HD3	1:153:A:THR:HG23	1	0.6
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB1	8	0.6
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB2	8	0.6
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB3	8	0.6
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB1	14	0.6
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB2	14	0.6
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB3	14	0.6
(1,63)	1:20:A:ALA:HB1	1:63:A:THR:H	3	0.6
(1,63)	1:20:A:ALA:HB2	1:63:A:THR:H	3	0.6
(1,63)	1:20:A:ALA:HB3	1:63:A:THR:H	3	0.6
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB1	4	0.6
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB2	4	0.6
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB3	4	0.6
(1,8)	1:13:A:LYS:HD2	1:153:A:THR:HG21	8	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8)	1:13:A:LYS:HD2	1:153:A:THR:HG22	8	0.6
(1,8)	1:13:A:LYS:HD2	1:153:A:THR:HG23	8	0.6
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB1	15	0.6
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB2	15	0.6
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB3	15	0.6
(1,1)	1:112:A:THR:HB	1:116:A:ALA:H	2	0.6
(1,3024)	1:34:A:LEU:HD11	1:150:A:ALA:H	19	0.59
(1,3024)	1:34:A:LEU:HD12	1:150:A:ALA:H	19	0.59
(1,3024)	1:34:A:LEU:HD13	1:150:A:ALA:H	19	0.59
(1,3024)	1:34:A:LEU:HD21	1:150:A:ALA:H	19	0.59
(1,3024)	1:34:A:LEU:HD22	1:150:A:ALA:H	19	0.59
(1,3024)	1:34:A:LEU:HD23	1:150:A:ALA:H	19	0.59
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE1	17	0.59
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE2	17	0.59
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE1	17	0.59
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE2	17	0.59
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE1	17	0.59
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE2	17	0.59
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE1	17	0.59
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE2	17	0.59
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE1	17	0.59
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE2	17	0.59
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE1	17	0.59
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE2	17	0.59
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG21	14	0.59
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG22	14	0.59
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG23	14	0.59
(1,2312)	1:32:A:VAL:HG11	1:52:A:VAL:H	11	0.59
(1,2312)	1:32:A:VAL:HG12	1:52:A:VAL:H	11	0.59
(1,2312)	1:32:A:VAL:HG13	1:52:A:VAL:H	11	0.59
(1,2242)	1:20:A:ALA:HB1	1:158:A:TYR:HA	18	0.59
(1,2242)	1:20:A:ALA:HB2	1:158:A:TYR:HA	18	0.59
(1,2242)	1:20:A:ALA:HB3	1:158:A:TYR:HA	18	0.59
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE1	8	0.59
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE2	8	0.59
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE1	8	0.59
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE2	8	0.59
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE1	8	0.59
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE2	8	0.59
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE1	15	0.59
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE2	15	0.59
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE1	15	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE2	15	0.59
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE1	15	0.59
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE2	15	0.59
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB1	20	0.59
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB2	20	0.59
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB3	20	0.59
(1,1734)	1:48:A:THR:HG21	1:138:A:PHE:H	12	0.59
(1,1734)	1:48:A:THR:HG22	1:138:A:PHE:H	12	0.59
(1,1734)	1:48:A:THR:HG23	1:138:A:PHE:H	12	0.59
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE1	13	0.59
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE2	13	0.59
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE1	13	0.59
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE2	13	0.59
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE1	13	0.59
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE2	13	0.59
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD1	3	0.59
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD2	3	0.59
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD1	3	0.59
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD2	3	0.59
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD1	3	0.59
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD2	3	0.59
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD1	10	0.59
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD2	10	0.59
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD1	10	0.59
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD2	10	0.59
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD1	10	0.59
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD2	10	0.59
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG11	19	0.59
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG12	19	0.59
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG13	19	0.59
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG11	19	0.59
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG12	19	0.59
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG13	19	0.59
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG11	19	0.59
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG12	19	0.59
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG13	19	0.59
(1,1211)	1:124:A:LEU:HD11	1:159:A:GLN:H	11	0.59
(1,1211)	1:124:A:LEU:HD12	1:159:A:GLN:H	11	0.59
(1,1211)	1:124:A:LEU:HD13	1:159:A:GLN:H	11	0.59
(1,1211)	1:124:A:LEU:HD21	1:159:A:GLN:H	11	0.59
(1,1211)	1:124:A:LEU:HD22	1:159:A:GLN:H	11	0.59
(1,1211)	1:124:A:LEU:HD23	1:159:A:GLN:H	11	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1211)	1:124:A:LEU:HD11	1:159:A:GLN:H	16	0.59
(1,1211)	1:124:A:LEU:HD12	1:159:A:GLN:H	16	0.59
(1,1211)	1:124:A:LEU:HD13	1:159:A:GLN:H	16	0.59
(1,1211)	1:124:A:LEU:HD21	1:159:A:GLN:H	16	0.59
(1,1211)	1:124:A:LEU:HD22	1:159:A:GLN:H	16	0.59
(1,1211)	1:124:A:LEU:HD23	1:159:A:GLN:H	16	0.59
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG21	6	0.59
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG22	6	0.59
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG23	6	0.59
(1,1061)	1:130:A:THR:HG21	1:132:A:PRO:HA	2	0.59
(1,1061)	1:130:A:THR:HG22	1:132:A:PRO:HA	2	0.59
(1,1061)	1:130:A:THR:HG23	1:132:A:PRO:HA	2	0.59
(1,980)	1:50:A:SER:H	1:137:A:TYR:HD1	2	0.59
(1,980)	1:50:A:SER:H	1:137:A:TYR:HD2	2	0.59
(1,980)	1:50:A:SER:H	1:137:A:TYR:HD1	20	0.59
(1,980)	1:50:A:SER:H	1:137:A:TYR:HD2	20	0.59
(1,963)	1:32:A:VAL:HG21	1:54:A:PHE:HA	12	0.59
(1,963)	1:32:A:VAL:HG22	1:54:A:PHE:HA	12	0.59
(1,963)	1:32:A:VAL:HG23	1:54:A:PHE:HA	12	0.59
(1,915)	1:101:A:VAL:HA	1:102:A:GLN:HB2	4	0.59
(1,915)	1:101:A:VAL:HA	1:102:A:GLN:HB2	8	0.59
(1,915)	1:101:A:VAL:HA	1:102:A:GLN:HB2	10	0.59
(1,915)	1:101:A:VAL:HA	1:102:A:GLN:HB2	11	0.59
(1,915)	1:101:A:VAL:HA	1:102:A:GLN:HB2	12	0.59
(1,856)	1:3:A:THR:HB	1:4:A:THR:HA	3	0.59
(1,856)	1:3:A:THR:HB	1:4:A:THR:HA	15	0.59
(1,782)	1:97:A:THR:HA	1:99:A:VAL:HB	4	0.59
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG11	3	0.59
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG12	3	0.59
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG13	3	0.59
(1,425)	1:74:A:LEU:HD21	1:153:A:THR:HB	11	0.59
(1,425)	1:74:A:LEU:HD22	1:153:A:THR:HB	11	0.59
(1,425)	1:74:A:LEU:HD23	1:153:A:THR:HB	11	0.59
(1,425)	1:74:A:LEU:HD21	1:153:A:THR:HB	14	0.59
(1,425)	1:74:A:LEU:HD22	1:153:A:THR:HB	14	0.59
(1,425)	1:74:A:LEU:HD23	1:153:A:THR:HB	14	0.59
(1,425)	1:74:A:LEU:HD21	1:153:A:THR:HB	20	0.59
(1,425)	1:74:A:LEU:HD22	1:153:A:THR:HB	20	0.59
(1,425)	1:74:A:LEU:HD23	1:153:A:THR:HB	20	0.59
(1,307)	1:158:A:TYR:HA	1:159:A:GLN:H	15	0.59
(1,293)	1:16:A:VAL:HA	1:155:A:LYS:HA	4	0.59
(1,241)	1:6:A:ASN:HA	1:146:A:GLY:H	1	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG21	6	0.59
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG22	6	0.59
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG23	6	0.59
(1,162)	1:18:A:ASN:HA	1:18:A:ASN:HD21	1	0.59
(1,142)	1:148:A:ALA:H	1:149:A:ASN:HB3	8	0.59
(1,139)	1:95:A:SER:H	1:147:A:ALA:H	19	0.59
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB1	11	0.59
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB2	11	0.59
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB3	11	0.59
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG11	6	0.59
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG12	6	0.59
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG13	6	0.59
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG11	7	0.59
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG12	7	0.59
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG13	7	0.59
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG11	16	0.59
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG12	16	0.59
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG13	16	0.59
(1,36)	1:137:A:TYR:HD1	1:148:A:ALA:HA	1	0.59
(1,36)	1:137:A:TYR:HD2	1:148:A:ALA:HA	1	0.59
(1,36)	1:137:A:TYR:HD1	1:148:A:ALA:HA	17	0.59
(1,36)	1:137:A:TYR:HD2	1:148:A:ALA:HA	17	0.59
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB1	8	0.59
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB2	8	0.59
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB3	8	0.59
(1,3402)	1:100:A:GLY:HA3	1:102:A:GLN:HG2	8	0.58
(1,3402)	1:100:A:GLY:HA3	1:102:A:GLN:HG3	8	0.58
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB1	8	0.58
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB2	8	0.58
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB3	8	0.58
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB1	8	0.58
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB2	8	0.58
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB3	8	0.58
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB1	8	0.58
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB2	8	0.58
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB3	8	0.58
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB1	8	0.58
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB2	8	0.58
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB3	8	0.58
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB1	8	0.58
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB2	8	0.58
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB3	8	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB1	8	0.58
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB2	8	0.58
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB3	8	0.58
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD1	18	0.58
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD2	18	0.58
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD1	18	0.58
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD2	18	0.58
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE1	20	0.58
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE2	20	0.58
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE1	20	0.58
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE2	20	0.58
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE1	20	0.58
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE2	20	0.58
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE1	20	0.58
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE2	20	0.58
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE1	20	0.58
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE2	20	0.58
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE1	20	0.58
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE2	20	0.58
(1,2903)	1:16:A:VAL:HG11	1:23:A:VAL:H	12	0.58
(1,2903)	1:16:A:VAL:HG12	1:23:A:VAL:H	12	0.58
(1,2903)	1:16:A:VAL:HG13	1:23:A:VAL:H	12	0.58
(1,2903)	1:16:A:VAL:HG21	1:23:A:VAL:H	12	0.58
(1,2903)	1:16:A:VAL:HG22	1:23:A:VAL:H	12	0.58
(1,2903)	1:16:A:VAL:HG23	1:23:A:VAL:H	12	0.58
(1,2726)	1:89:A:GLN:HG2	1:90:A:SER:H	9	0.58
(1,2726)	1:89:A:GLN:HG3	1:90:A:SER:H	9	0.58
(1,2602)	1:74:A:LEU:HB2	1:153:A:THR:HB	1	0.58
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG21	5	0.58
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG22	5	0.58
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG23	5	0.58
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG21	9	0.58
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG22	9	0.58
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG23	9	0.58
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG21	12	0.58
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG22	12	0.58
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG23	12	0.58
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG21	16	0.58
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG22	16	0.58
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG23	16	0.58
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE1	16	0.58
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE2	16	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE1	16	0.58
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE2	16	0.58
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE1	16	0.58
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE2	16	0.58
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD1	13	0.58
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD2	13	0.58
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD1	13	0.58
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD2	13	0.58
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD1	13	0.58
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD2	13	0.58
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD1	18	0.58
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD2	18	0.58
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD1	18	0.58
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD2	18	0.58
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD1	18	0.58
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD2	18	0.58
(1,1963)	1:98:A:ASN:HD22	1:141:A:GLY:HA3	14	0.58
(1,1961)	1:98:A:ASN:HD21	1:141:A:GLY:HA3	14	0.58
(1,1948)	1:97:A:THR:H	1:148:A:ALA:HB1	15	0.58
(1,1948)	1:97:A:THR:H	1:148:A:ALA:HB2	15	0.58
(1,1948)	1:97:A:THR:H	1:148:A:ALA:HB3	15	0.58
(1,1948)	1:97:A:THR:H	1:148:A:ALA:HB1	20	0.58
(1,1948)	1:97:A:THR:H	1:148:A:ALA:HB2	20	0.58
(1,1948)	1:97:A:THR:H	1:148:A:ALA:HB3	20	0.58
(1,1688)	1:34:A:LEU:HD21	1:136:A:ARG:H	12	0.58
(1,1688)	1:34:A:LEU:HD22	1:136:A:ARG:H	12	0.58
(1,1688)	1:34:A:LEU:HD23	1:136:A:ARG:H	12	0.58
(1,1396)	1:7:A:GLY:HA3	1:37:A:VAL:H	15	0.58
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD1	11	0.58
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD2	11	0.58
(1,1211)	1:124:A:LEU:HD11	1:159:A:GLN:H	1	0.58
(1,1211)	1:124:A:LEU:HD12	1:159:A:GLN:H	1	0.58
(1,1211)	1:124:A:LEU:HD13	1:159:A:GLN:H	1	0.58
(1,1211)	1:124:A:LEU:HD21	1:159:A:GLN:H	1	0.58
(1,1211)	1:124:A:LEU:HD22	1:159:A:GLN:H	1	0.58
(1,1211)	1:124:A:LEU:HD23	1:159:A:GLN:H	1	0.58
(1,1211)	1:124:A:LEU:HD11	1:159:A:GLN:H	10	0.58
(1,1211)	1:124:A:LEU:HD12	1:159:A:GLN:H	10	0.58
(1,1211)	1:124:A:LEU:HD13	1:159:A:GLN:H	10	0.58
(1,1211)	1:124:A:LEU:HD21	1:159:A:GLN:H	10	0.58
(1,1211)	1:124:A:LEU:HD22	1:159:A:GLN:H	10	0.58
(1,1211)	1:124:A:LEU:HD23	1:159:A:GLN:H	10	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1211)	1:124:A:LEU:HD11	1:159:A:GLN:H	14	0.58
(1,1211)	1:124:A:LEU:HD12	1:159:A:GLN:H	14	0.58
(1,1211)	1:124:A:LEU:HD13	1:159:A:GLN:H	14	0.58
(1,1211)	1:124:A:LEU:HD21	1:159:A:GLN:H	14	0.58
(1,1211)	1:124:A:LEU:HD22	1:159:A:GLN:H	14	0.58
(1,1211)	1:124:A:LEU:HD23	1:159:A:GLN:H	14	0.58
(1,1085)	1:34:A:LEU:HA	1:52:A:VAL:HB	1	0.58
(1,1085)	1:34:A:LEU:HA	1:52:A:VAL:HB	11	0.58
(1,966)	1:32:A:VAL:HG11	1:54:A:PHE:HA	1	0.58
(1,966)	1:32:A:VAL:HG12	1:54:A:PHE:HA	1	0.58
(1,966)	1:32:A:VAL:HG13	1:54:A:PHE:HA	1	0.58
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG21	12	0.58
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG22	12	0.58
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG23	12	0.58
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG21	12	0.58
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG22	12	0.58
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG23	12	0.58
(1,915)	1:101:A:VAL:HA	1:102:A:GLN:HB2	3	0.58
(1,866)	1:56:A:ILE:H	1:133:A:PHE:HB2	4	0.58
(1,856)	1:3:A:THR:HB	1:4:A:THR:HA	13	0.58
(1,782)	1:97:A:THR:HA	1:99:A:VAL:HB	8	0.58
(1,782)	1:97:A:THR:HA	1:99:A:VAL:HB	10	0.58
(1,615)	1:96:A:ALA:HA	1:147:A:ALA:H	18	0.58
(1,403)	1:102:A:GLN:HB2	1:136:A:ARG:H	2	0.58
(1,403)	1:102:A:GLN:HB2	1:136:A:ARG:H	10	0.58
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD11	18	0.58
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD12	18	0.58
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD13	18	0.58
(1,389)	1:20:A:ALA:HB1	1:66:A:ALA:H	1	0.58
(1,389)	1:20:A:ALA:HB2	1:66:A:ALA:H	1	0.58
(1,389)	1:20:A:ALA:HB3	1:66:A:ALA:H	1	0.58
(1,373)	1:78:A:ILE:HD11	1:100:A:GLY:HA2	16	0.58
(1,373)	1:78:A:ILE:HD12	1:100:A:GLY:HA2	16	0.58
(1,373)	1:78:A:ILE:HD13	1:100:A:GLY:HA2	16	0.58
(1,350)	1:90:A:SER:HA	1:93:A:ALA:H	16	0.58
(1,330)	1:131:A:ILE:HG21	1:133:A:PHE:HB2	12	0.58
(1,330)	1:131:A:ILE:HG22	1:133:A:PHE:HB2	12	0.58
(1,330)	1:131:A:ILE:HG23	1:133:A:PHE:HB2	12	0.58
(1,330)	1:131:A:ILE:HG21	1:133:A:PHE:HB2	15	0.58
(1,330)	1:131:A:ILE:HG22	1:133:A:PHE:HB2	15	0.58
(1,330)	1:131:A:ILE:HG23	1:133:A:PHE:HB2	15	0.58
(1,330)	1:131:A:ILE:HG21	1:133:A:PHE:HB2	17	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,330)	1:131:A:ILE:HG22	1:133:A:PHE:HB2	17	0.58
(1,330)	1:131:A:ILE:HG23	1:133:A:PHE:HB2	17	0.58
(1,330)	1:131:A:ILE:HG21	1:133:A:PHE:HB2	18	0.58
(1,330)	1:131:A:ILE:HG22	1:133:A:PHE:HB2	18	0.58
(1,330)	1:131:A:ILE:HG23	1:133:A:PHE:HB2	18	0.58
(1,241)	1:6:A:ASN:HA	1:146:A:GLY:H	3	0.58
(1,241)	1:6:A:ASN:HA	1:146:A:GLY:H	8	0.58
(1,220)	1:70:A:ALA:H	1:121:A:GLU:HA	1	0.58
(1,220)	1:70:A:ALA:H	1:121:A:GLU:HA	19	0.58
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG21	17	0.58
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG22	17	0.58
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG23	17	0.58
(1,152)	1:14:A:GLY:H	1:154:A:PHE:HD1	8	0.58
(1,152)	1:14:A:GLY:H	1:154:A:PHE:HD2	8	0.58
(1,139)	1:95:A:SER:H	1:147:A:ALA:H	1	0.58
(1,131)	1:14:A:GLY:HA2	1:154:A:PHE:H	6	0.58
(1,99)	1:61:A:CYS:H	1:128:A:THR:H	14	0.58
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB1	1	0.58
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB2	1	0.58
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB3	1	0.58
(1,79)	1:125:A:ASN:HD21	1:129:A:ASN:HD22	18	0.58
(1,63)	1:20:A:ALA:HB1	1:63:A:THR:H	13	0.58
(1,63)	1:20:A:ALA:HB2	1:63:A:THR:H	13	0.58
(1,63)	1:20:A:ALA:HB3	1:63:A:THR:H	13	0.58
(1,3402)	1:100:A:GLY:HA3	1:102:A:GLN:HG2	9	0.57
(1,3402)	1:100:A:GLY:HA3	1:102:A:GLN:HG3	9	0.57
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG11	13	0.57
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG12	13	0.57
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG13	13	0.57
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG21	13	0.57
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG22	13	0.57
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG23	13	0.57
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG11	13	0.57
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG12	13	0.57
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG13	13	0.57
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG21	13	0.57
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG22	13	0.57
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG23	13	0.57
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG11	13	0.57
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG12	13	0.57
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG13	13	0.57
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG21	13	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG22	13	0.57
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG23	13	0.57
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG11	13	0.57
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG12	13	0.57
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG13	13	0.57
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG21	13	0.57
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG22	13	0.57
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG23	13	0.57
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG11	13	0.57
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG12	13	0.57
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG13	13	0.57
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG21	13	0.57
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG22	13	0.57
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG23	13	0.57
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG11	13	0.57
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG12	13	0.57
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG13	13	0.57
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG21	13	0.57
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG22	13	0.57
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG23	13	0.57
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD11	17	0.57
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD12	17	0.57
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD13	17	0.57
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD11	17	0.57
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD12	17	0.57
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD13	17	0.57
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD11	17	0.57
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD12	17	0.57
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD13	17	0.57
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD11	17	0.57
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD12	17	0.57
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD13	17	0.57
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD11	17	0.57
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD12	17	0.57
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD13	17	0.57
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD11	17	0.57
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD12	17	0.57
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD13	17	0.57
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE1	6	0.57
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE2	6	0.57
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE1	6	0.57
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE2	6	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE1	6	0.57
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE2	6	0.57
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE1	6	0.57
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE2	6	0.57
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE1	6	0.57
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE2	6	0.57
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE1	6	0.57
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE2	6	0.57
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG11	9	0.57
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG12	9	0.57
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG13	9	0.57
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG21	9	0.57
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG22	9	0.57
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG23	9	0.57
(1,2792)	1:9:A:THR:HG21	1:32:A:VAL:H	1	0.57
(1,2792)	1:9:A:THR:HG22	1:32:A:VAL:H	1	0.57
(1,2792)	1:9:A:THR:HG23	1:32:A:VAL:H	1	0.57
(1,2705)	1:86:A:LEU:HD21	1:101:A:VAL:H	11	0.57
(1,2705)	1:86:A:LEU:HD22	1:101:A:VAL:H	11	0.57
(1,2705)	1:86:A:LEU:HD23	1:101:A:VAL:H	11	0.57
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE1	1	0.57
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE2	1	0.57
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE1	1	0.57
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE2	1	0.57
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE1	1	0.57
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE2	1	0.57
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB1	2	0.57
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB2	2	0.57
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB3	2	0.57
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE1	18	0.57
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE2	18	0.57
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE1	18	0.57
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE2	18	0.57
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE1	18	0.57
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE2	18	0.57
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG21	8	0.57
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG22	8	0.57
(1,1359)	1:71:A:VAL:H	1:156:A:VAL:HG23	8	0.57
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD1	17	0.57
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD2	17	0.57
(1,1211)	1:124:A:LEU:HD11	1:159:A:GLN:H	4	0.57
(1,1211)	1:124:A:LEU:HD12	1:159:A:GLN:H	4	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1211)	1:124:A:LEU:HD13	1:159:A:GLN:H	4	0.57
(1,1211)	1:124:A:LEU:HD21	1:159:A:GLN:H	4	0.57
(1,1211)	1:124:A:LEU:HD22	1:159:A:GLN:H	4	0.57
(1,1211)	1:124:A:LEU:HD23	1:159:A:GLN:H	4	0.57
(1,1211)	1:124:A:LEU:HD11	1:159:A:GLN:H	12	0.57
(1,1211)	1:124:A:LEU:HD12	1:159:A:GLN:H	12	0.57
(1,1211)	1:124:A:LEU:HD13	1:159:A:GLN:H	12	0.57
(1,1211)	1:124:A:LEU:HD21	1:159:A:GLN:H	12	0.57
(1,1211)	1:124:A:LEU:HD22	1:159:A:GLN:H	12	0.57
(1,1211)	1:124:A:LEU:HD23	1:159:A:GLN:H	12	0.57
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD1	2	0.57
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD2	2	0.57
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD1	8	0.57
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD2	8	0.57
(1,1061)	1:130:A:THR:HG21	1:132:A:PRO:HA	7	0.57
(1,1061)	1:130:A:THR:HG22	1:132:A:PRO:HA	7	0.57
(1,1061)	1:130:A:THR:HG23	1:132:A:PRO:HA	7	0.57
(1,980)	1:50:A:SER:H	1:137:A:TYR:HD1	7	0.57
(1,980)	1:50:A:SER:H	1:137:A:TYR:HD2	7	0.57
(1,963)	1:32:A:VAL:HG21	1:54:A:PHE:HA	16	0.57
(1,963)	1:32:A:VAL:HG22	1:54:A:PHE:HA	16	0.57
(1,963)	1:32:A:VAL:HG23	1:54:A:PHE:HA	16	0.57
(1,916)	1:101:A:VAL:HG11	1:137:A:TYR:HA	1	0.57
(1,916)	1:101:A:VAL:HG12	1:137:A:TYR:HA	1	0.57
(1,916)	1:101:A:VAL:HG13	1:137:A:TYR:HA	1	0.57
(1,915)	1:101:A:VAL:HA	1:102:A:GLN:HB2	16	0.57
(1,866)	1:56:A:ILE:H	1:133:A:PHE:HB2	18	0.57
(1,856)	1:3:A:THR:HB	1:4:A:THR:HA	4	0.57
(1,575)	1:18:A:ASN:HD21	1:22:A:ALA:HB1	17	0.57
(1,575)	1:18:A:ASN:HD21	1:22:A:ALA:HB2	17	0.57
(1,575)	1:18:A:ASN:HD21	1:22:A:ALA:HB3	17	0.57
(1,517)	1:88:A:LEU:HD21	1:149:A:ASN:H	10	0.57
(1,517)	1:88:A:LEU:HD22	1:149:A:ASN:H	10	0.57
(1,517)	1:88:A:LEU:HD23	1:149:A:ASN:H	10	0.57
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD11	3	0.57
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD12	3	0.57
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD13	3	0.57
(1,241)	1:6:A:ASN:HA	1:146:A:GLY:H	6	0.57
(1,241)	1:6:A:ASN:HA	1:146:A:GLY:H	10	0.57
(1,220)	1:70:A:ALA:H	1:121:A:GLU:HA	17	0.57
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG21	12	0.57
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG22	12	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG23	12	0.57
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG21	5	0.57
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG22	5	0.57
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG23	5	0.57
(1,152)	1:14:A:GLY:H	1:154:A:PHE:HD1	12	0.57
(1,152)	1:14:A:GLY:H	1:154:A:PHE:HD2	12	0.57
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG21	3	0.57
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG22	3	0.57
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG23	3	0.57
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG21	3	0.57
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG22	3	0.57
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG23	3	0.57
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG21	3	0.57
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG22	3	0.57
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG23	3	0.57
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB1	9	0.57
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB2	9	0.57
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB3	9	0.57
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB1	15	0.57
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB2	15	0.57
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB3	15	0.57
(1,79)	1:125:A:ASN:HD21	1:129:A:ASN:HD22	19	0.57
(1,76)	1:69:A:ALA:HA	1:159:A:GLN:H	6	0.57
(1,3402)	1:100:A:GLY:HA3	1:102:A:GLN:HG2	12	0.56
(1,3402)	1:100:A:GLY:HA3	1:102:A:GLN:HG3	12	0.56
(1,3402)	1:100:A:GLY:HA3	1:102:A:GLN:HG2	20	0.56
(1,3402)	1:100:A:GLY:HA3	1:102:A:GLN:HG3	20	0.56
(1,3391)	1:99:A:VAL:HG11	1:137:A:TYR:HD1	16	0.56
(1,3391)	1:99:A:VAL:HG11	1:137:A:TYR:HD2	16	0.56
(1,3391)	1:99:A:VAL:HG12	1:137:A:TYR:HD1	16	0.56
(1,3391)	1:99:A:VAL:HG12	1:137:A:TYR:HD2	16	0.56
(1,3391)	1:99:A:VAL:HG13	1:137:A:TYR:HD1	16	0.56
(1,3391)	1:99:A:VAL:HG13	1:137:A:TYR:HD2	16	0.56
(1,3391)	1:99:A:VAL:HG21	1:137:A:TYR:HD1	16	0.56
(1,3391)	1:99:A:VAL:HG21	1:137:A:TYR:HD2	16	0.56
(1,3391)	1:99:A:VAL:HG22	1:137:A:TYR:HD1	16	0.56
(1,3391)	1:99:A:VAL:HG22	1:137:A:TYR:HD2	16	0.56
(1,3391)	1:99:A:VAL:HG23	1:137:A:TYR:HD1	16	0.56
(1,3391)	1:99:A:VAL:HG23	1:137:A:TYR:HD2	16	0.56
(1,3389)	1:99:A:VAL:HG11	1:137:A:TYR:HA	2	0.56
(1,3389)	1:99:A:VAL:HG12	1:137:A:TYR:HA	2	0.56
(1,3389)	1:99:A:VAL:HG13	1:137:A:TYR:HA	2	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3389)	1:99:A:VAL:HG21	1:137:A:TYR:HA	2	0.56
(1,3389)	1:99:A:VAL:HG22	1:137:A:TYR:HA	2	0.56
(1,3389)	1:99:A:VAL:HG23	1:137:A:TYR:HA	2	0.56
(1,2903)	1:16:A:VAL:HG11	1:23:A:VAL:H	13	0.56
(1,2903)	1:16:A:VAL:HG12	1:23:A:VAL:H	13	0.56
(1,2903)	1:16:A:VAL:HG13	1:23:A:VAL:H	13	0.56
(1,2903)	1:16:A:VAL:HG21	1:23:A:VAL:H	13	0.56
(1,2903)	1:16:A:VAL:HG22	1:23:A:VAL:H	13	0.56
(1,2903)	1:16:A:VAL:HG23	1:23:A:VAL:H	13	0.56
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG11	20	0.56
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG12	20	0.56
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG13	20	0.56
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG21	20	0.56
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG22	20	0.56
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG23	20	0.56
(1,2792)	1:9:A:THR:HG21	1:32:A:VAL:H	8	0.56
(1,2792)	1:9:A:THR:HG22	1:32:A:VAL:H	8	0.56
(1,2792)	1:9:A:THR:HG23	1:32:A:VAL:H	8	0.56
(1,2726)	1:89:A:GLN:HG2	1:90:A:SER:H	18	0.56
(1,2726)	1:89:A:GLN:HG3	1:90:A:SER:H	18	0.56
(1,2705)	1:86:A:LEU:HD21	1:101:A:VAL:H	19	0.56
(1,2705)	1:86:A:LEU:HD22	1:101:A:VAL:H	19	0.56
(1,2705)	1:86:A:LEU:HD23	1:101:A:VAL:H	19	0.56
(1,2623)	1:77:A:ALA:HB1	1:81:A:GLY:H	14	0.56
(1,2623)	1:77:A:ALA:HB2	1:81:A:GLY:H	14	0.56
(1,2623)	1:77:A:ALA:HB3	1:81:A:GLY:H	14	0.56
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG21	13	0.56
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG22	13	0.56
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG23	13	0.56
(1,2503)	1:5:A:VAL:HG21	1:39:A:THR:HA	9	0.56
(1,2503)	1:5:A:VAL:HG22	1:39:A:THR:HA	9	0.56
(1,2503)	1:5:A:VAL:HG23	1:39:A:THR:HA	9	0.56
(1,2403)	1:45:A:GLU:HB3	1:141:A:GLY:H	6	0.56
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD1	11	0.56
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD2	11	0.56
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD1	11	0.56
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD2	11	0.56
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD1	11	0.56
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD2	11	0.56
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD1	16	0.56
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD2	16	0.56
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD1	16	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD2	16	0.56
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD1	16	0.56
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD2	16	0.56
(1,1947)	1:97:A:THR:H	1:144:A:THR:H	20	0.56
(1,1322)	1:4:A:THR:HG21	1:36:A:GLN:HG3	19	0.56
(1,1322)	1:4:A:THR:HG22	1:36:A:GLN:HG3	19	0.56
(1,1322)	1:4:A:THR:HG23	1:36:A:GLN:HG3	19	0.56
(1,1211)	1:124:A:LEU:HD11	1:159:A:GLN:H	3	0.56
(1,1211)	1:124:A:LEU:HD12	1:159:A:GLN:H	3	0.56
(1,1211)	1:124:A:LEU:HD13	1:159:A:GLN:H	3	0.56
(1,1211)	1:124:A:LEU:HD21	1:159:A:GLN:H	3	0.56
(1,1211)	1:124:A:LEU:HD22	1:159:A:GLN:H	3	0.56
(1,1211)	1:124:A:LEU:HD23	1:159:A:GLN:H	3	0.56
(1,1211)	1:124:A:LEU:HD11	1:159:A:GLN:H	13	0.56
(1,1211)	1:124:A:LEU:HD12	1:159:A:GLN:H	13	0.56
(1,1211)	1:124:A:LEU:HD13	1:159:A:GLN:H	13	0.56
(1,1211)	1:124:A:LEU:HD21	1:159:A:GLN:H	13	0.56
(1,1211)	1:124:A:LEU:HD22	1:159:A:GLN:H	13	0.56
(1,1211)	1:124:A:LEU:HD23	1:159:A:GLN:H	13	0.56
(1,1211)	1:124:A:LEU:HD11	1:159:A:GLN:H	17	0.56
(1,1211)	1:124:A:LEU:HD12	1:159:A:GLN:H	17	0.56
(1,1211)	1:124:A:LEU:HD13	1:159:A:GLN:H	17	0.56
(1,1211)	1:124:A:LEU:HD21	1:159:A:GLN:H	17	0.56
(1,1211)	1:124:A:LEU:HD22	1:159:A:GLN:H	17	0.56
(1,1211)	1:124:A:LEU:HD23	1:159:A:GLN:H	17	0.56
(1,1211)	1:124:A:LEU:HD11	1:159:A:GLN:H	18	0.56
(1,1211)	1:124:A:LEU:HD12	1:159:A:GLN:H	18	0.56
(1,1211)	1:124:A:LEU:HD13	1:159:A:GLN:H	18	0.56
(1,1211)	1:124:A:LEU:HD21	1:159:A:GLN:H	18	0.56
(1,1211)	1:124:A:LEU:HD22	1:159:A:GLN:H	18	0.56
(1,1211)	1:124:A:LEU:HD23	1:159:A:GLN:H	18	0.56
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB2	10	0.56
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB3	10	0.56
(1,1099)	1:48:A:THR:HG21	1:136:A:ARG:HG2	19	0.56
(1,1099)	1:48:A:THR:HG21	1:136:A:ARG:HG3	19	0.56
(1,1099)	1:48:A:THR:HG22	1:136:A:ARG:HG2	19	0.56
(1,1099)	1:48:A:THR:HG22	1:136:A:ARG:HG3	19	0.56
(1,1099)	1:48:A:THR:HG23	1:136:A:ARG:HG2	19	0.56
(1,1099)	1:48:A:THR:HG23	1:136:A:ARG:HG3	19	0.56
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG21	8	0.56
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG22	8	0.56
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG23	8	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1085)	1:34:A:LEU:HA	1:52:A:VAL:HB	10	0.56
(1,980)	1:50:A:SER:H	1:137:A:TYR:HD1	11	0.56
(1,980)	1:50:A:SER:H	1:137:A:TYR:HD2	11	0.56
(1,866)	1:56:A:ILE:H	1:133:A:PHE:HB2	16	0.56
(1,782)	1:97:A:THR:HA	1:99:A:VAL:HB	9	0.56
(1,782)	1:97:A:THR:HA	1:99:A:VAL:HB	15	0.56
(1,759)	1:66:A:ALA:HB1	1:159:A:GLN:H	20	0.56
(1,759)	1:66:A:ALA:HB2	1:159:A:GLN:H	20	0.56
(1,759)	1:66:A:ALA:HB3	1:159:A:GLN:H	20	0.56
(1,571)	1:15:A:GLU:H	1:15:A:GLU:HB2	13	0.56
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB1	1	0.56
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB2	1	0.56
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB3	1	0.56
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB1	3	0.56
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB2	3	0.56
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB3	3	0.56
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB1	7	0.56
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB2	7	0.56
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB3	7	0.56
(1,536)	1:42:A:LEU:HD11	1:138:A:PHE:H	4	0.56
(1,536)	1:42:A:LEU:HD12	1:138:A:PHE:H	4	0.56
(1,536)	1:42:A:LEU:HD13	1:138:A:PHE:H	4	0.56
(1,409)	1:158:A:TYR:HB3	1:159:A:GLN:H	2	0.56
(1,359)	1:113:A:LEU:HD11	1:151:A:ASP:H	7	0.56
(1,359)	1:113:A:LEU:HD12	1:151:A:ASP:H	7	0.56
(1,359)	1:113:A:LEU:HD13	1:151:A:ASP:H	7	0.56
(1,359)	1:113:A:LEU:HD21	1:151:A:ASP:H	7	0.56
(1,359)	1:113:A:LEU:HD22	1:151:A:ASP:H	7	0.56
(1,359)	1:113:A:LEU:HD23	1:151:A:ASP:H	7	0.56
(1,350)	1:90:A:SER:HA	1:93:A:ALA:H	10	0.56
(1,307)	1:158:A:TYR:HA	1:159:A:GLN:H	2	0.56
(1,307)	1:158:A:TYR:HA	1:159:A:GLN:H	19	0.56
(1,269)	1:34:A:LEU:HA	1:52:A:VAL:HA	20	0.56
(1,241)	1:6:A:ASN:HA	1:146:A:GLY:H	17	0.56
(1,220)	1:70:A:ALA:H	1:121:A:GLU:HA	2	0.56
(1,181)	1:74:A:LEU:HG	1:115:A:GLY:HA2	3	0.56
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG21	18	0.56
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG22	18	0.56
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG23	18	0.56
(1,139)	1:95:A:SER:H	1:147:A:ALA:H	8	0.56
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB1	2	0.56
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB2	2	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB3	2	0.56
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB1	10	0.56
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB2	10	0.56
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB3	10	0.56
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB1	19	0.56
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB2	19	0.56
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB3	19	0.56
(1,54)	1:74:A:LEU:HG	1:152:A:ALA:HA	16	0.56
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB1	9	0.56
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB2	9	0.56
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB3	9	0.56
(1,3402)	1:100:A:GLY:HA3	1:102:A:GLN:HG2	15	0.55
(1,3402)	1:100:A:GLY:HA3	1:102:A:GLN:HG3	15	0.55
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG11	11	0.55
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG12	11	0.55
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG13	11	0.55
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG21	11	0.55
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG22	11	0.55
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG23	11	0.55
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG11	13	0.55
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG12	13	0.55
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG13	13	0.55
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG21	13	0.55
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG22	13	0.55
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG23	13	0.55
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD11	5	0.55
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD12	5	0.55
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD13	5	0.55
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD11	5	0.55
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD12	5	0.55
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD13	5	0.55
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD11	5	0.55
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD12	5	0.55
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD13	5	0.55
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD11	5	0.55
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD12	5	0.55
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD13	5	0.55
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD11	5	0.55
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD12	5	0.55
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD13	5	0.55
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD11	5	0.55
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD12	5	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD13	5	0.55
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG11	2	0.55
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG12	2	0.55
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG13	2	0.55
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG21	2	0.55
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG22	2	0.55
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG23	2	0.55
(1,2766)	1:98:A:ASN:HD22	1:142:A:ALA:H	7	0.55
(1,2623)	1:77:A:ALA:HB1	1:81:A:GLY:H	3	0.55
(1,2623)	1:77:A:ALA:HB2	1:81:A:GLY:H	3	0.55
(1,2623)	1:77:A:ALA:HB3	1:81:A:GLY:H	3	0.55
(1,2623)	1:77:A:ALA:HB1	1:81:A:GLY:H	12	0.55
(1,2623)	1:77:A:ALA:HB2	1:81:A:GLY:H	12	0.55
(1,2623)	1:77:A:ALA:HB3	1:81:A:GLY:H	12	0.55
(1,2602)	1:74:A:LEU:HB2	1:153:A:THR:HB	2	0.55
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG21	10	0.55
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG22	10	0.55
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG23	10	0.55
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG21	11	0.55
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG22	11	0.55
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG23	11	0.55
(1,2312)	1:32:A:VAL:HG11	1:52:A:VAL:H	13	0.55
(1,2312)	1:32:A:VAL:HG12	1:52:A:VAL:H	13	0.55
(1,2312)	1:32:A:VAL:HG13	1:52:A:VAL:H	13	0.55
(1,2242)	1:20:A:ALA:HB1	1:158:A:TYR:HA	13	0.55
(1,2242)	1:20:A:ALA:HB2	1:158:A:TYR:HA	13	0.55
(1,2242)	1:20:A:ALA:HB3	1:158:A:TYR:HA	13	0.55
(1,1885)	1:79:A:ASP:H	1:81:A:GLY:H	9	0.55
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE1	1	0.55
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE2	1	0.55
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE1	1	0.55
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE2	1	0.55
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE1	1	0.55
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE2	1	0.55
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE1	5	0.55
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE2	5	0.55
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE1	5	0.55
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE2	5	0.55
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE1	5	0.55
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE2	5	0.55
(1,1563)	1:12:A:PHE:HB3	1:14:A:GLY:H	16	0.55
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE1	10	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE2	10	0.55
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE1	10	0.55
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE2	10	0.55
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE1	10	0.55
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE2	10	0.55
(1,1396)	1:7:A:GLY:HA3	1:37:A:VAL:H	1	0.55
(1,1396)	1:7:A:GLY:HA3	1:37:A:VAL:H	14	0.55
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG11	18	0.55
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG12	18	0.55
(1,1353)	1:69:A:ALA:HB1	1:156:A:VAL:HG13	18	0.55
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG11	18	0.55
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG12	18	0.55
(1,1353)	1:69:A:ALA:HB2	1:156:A:VAL:HG13	18	0.55
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG11	18	0.55
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG12	18	0.55
(1,1353)	1:69:A:ALA:HB3	1:156:A:VAL:HG13	18	0.55
(1,1289)	1:32:A:VAL:HG21	1:55:A:ASN:H	10	0.55
(1,1289)	1:32:A:VAL:HG22	1:55:A:ASN:H	10	0.55
(1,1289)	1:32:A:VAL:HG23	1:55:A:ASN:H	10	0.55
(1,1257)	1:158:A:TYR:H	1:158:A:TYR:HB2	19	0.55
(1,1211)	1:124:A:LEU:HD11	1:159:A:GLN:H	6	0.55
(1,1211)	1:124:A:LEU:HD12	1:159:A:GLN:H	6	0.55
(1,1211)	1:124:A:LEU:HD13	1:159:A:GLN:H	6	0.55
(1,1211)	1:124:A:LEU:HD21	1:159:A:GLN:H	6	0.55
(1,1211)	1:124:A:LEU:HD22	1:159:A:GLN:H	6	0.55
(1,1211)	1:124:A:LEU:HD23	1:159:A:GLN:H	6	0.55
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD1	1	0.55
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD2	1	0.55
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD1	7	0.55
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD2	7	0.55
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD1	13	0.55
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD2	13	0.55
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD1	18	0.55
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD2	18	0.55
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD1	20	0.55
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD2	20	0.55
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG21	9	0.55
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG22	9	0.55
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG23	9	0.55
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG21	9	0.55
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG22	9	0.55
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG23	9	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG21	15	0.55
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG22	15	0.55
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG23	15	0.55
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG21	15	0.55
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG22	15	0.55
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG23	15	0.55
(1,856)	1:3:A:THR:HB	1:4:A:THR:HA	10	0.55
(1,774)	1:8:A:GLY:H	1:148:A:ALA:H	6	0.55
(1,475)	1:102:A:GLN:HB3	1:136:A:ARG:HG2	13	0.55
(1,475)	1:102:A:GLN:HB3	1:136:A:ARG:HG3	13	0.55
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD11	12	0.55
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD12	12	0.55
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD13	12	0.55
(1,389)	1:20:A:ALA:HB1	1:66:A:ALA:H	14	0.55
(1,389)	1:20:A:ALA:HB2	1:66:A:ALA:H	14	0.55
(1,389)	1:20:A:ALA:HB3	1:66:A:ALA:H	14	0.55
(1,350)	1:90:A:SER:HA	1:93:A:ALA:H	4	0.55
(1,307)	1:158:A:TYR:HA	1:159:A:GLN:H	17	0.55
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD21	10	0.55
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD22	10	0.55
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD23	10	0.55
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD21	17	0.55
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD22	17	0.55
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD23	17	0.55
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG21	5	0.55
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG22	5	0.55
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG23	5	0.55
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG21	6	0.55
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG22	6	0.55
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG23	6	0.55
(1,162)	1:18:A:ASN:HA	1:18:A:ASN:HD21	4	0.55
(1,139)	1:95:A:SER:H	1:147:A:ALA:H	12	0.55
(1,139)	1:95:A:SER:H	1:147:A:ALA:H	20	0.55
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB1	3	0.55
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB2	3	0.55
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB3	3	0.55
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG11	14	0.55
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG12	14	0.55
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG13	14	0.55
(1,54)	1:74:A:LEU:HG	1:152:A:ALA:HA	7	0.55
(1,54)	1:74:A:LEU:HG	1:152:A:ALA:HA	8	0.55
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB1	20	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB2	20	0.55
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB3	20	0.55
(1,3402)	1:100:A:GLY:HA3	1:102:A:GLN:HG2	4	0.54
(1,3402)	1:100:A:GLY:HA3	1:102:A:GLN:HG3	4	0.54
(1,3389)	1:99:A:VAL:HG11	1:137:A:TYR:HA	15	0.54
(1,3389)	1:99:A:VAL:HG12	1:137:A:TYR:HA	15	0.54
(1,3389)	1:99:A:VAL:HG13	1:137:A:TYR:HA	15	0.54
(1,3389)	1:99:A:VAL:HG21	1:137:A:TYR:HA	15	0.54
(1,3389)	1:99:A:VAL:HG22	1:137:A:TYR:HA	15	0.54
(1,3389)	1:99:A:VAL:HG23	1:137:A:TYR:HA	15	0.54
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG11	19	0.54
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG12	19	0.54
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG13	19	0.54
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG21	19	0.54
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG22	19	0.54
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG23	19	0.54
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG11	19	0.54
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG12	19	0.54
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG13	19	0.54
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG21	19	0.54
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG22	19	0.54
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG23	19	0.54
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG11	19	0.54
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG12	19	0.54
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG13	19	0.54
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG21	19	0.54
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG22	19	0.54
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG23	19	0.54
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG11	19	0.54
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG12	19	0.54
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG13	19	0.54
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG21	19	0.54
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG22	19	0.54
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG23	19	0.54
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG11	19	0.54
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG12	19	0.54
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG13	19	0.54
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG21	19	0.54
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG22	19	0.54
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG23	19	0.54
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG11	19	0.54
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG12	19	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG13	19	0.54
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG21	19	0.54
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG22	19	0.54
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG23	19	0.54
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD11	13	0.54
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD12	13	0.54
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD13	13	0.54
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD11	13	0.54
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD12	13	0.54
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD13	13	0.54
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD11	13	0.54
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD12	13	0.54
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD13	13	0.54
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD11	13	0.54
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD12	13	0.54
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD13	13	0.54
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD11	13	0.54
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD12	13	0.54
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD13	13	0.54
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD11	13	0.54
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD12	13	0.54
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD13	13	0.54
(1,3123)	1:51:A:ALA:HA	1:136:A:ARG:HD2	2	0.54
(1,3123)	1:51:A:ALA:HA	1:136:A:ARG:HD3	2	0.54
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG11	1	0.54
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG12	1	0.54
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG13	1	0.54
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG21	1	0.54
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG22	1	0.54
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG23	1	0.54
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG11	7	0.54
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG12	7	0.54
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG13	7	0.54
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG21	7	0.54
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG22	7	0.54
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG23	7	0.54
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG11	13	0.54
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG12	13	0.54
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG13	13	0.54
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG21	13	0.54
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG22	13	0.54
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG23	13	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2790)	1:9:A:THR:HA	1:34:A:LEU:HG	19	0.54
(1,2602)	1:74:A:LEU:HB2	1:153:A:THR:HB	10	0.54
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG21	6	0.54
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG22	6	0.54
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG23	6	0.54
(1,2503)	1:5:A:VAL:HG21	1:39:A:THR:HA	4	0.54
(1,2503)	1:5:A:VAL:HG22	1:39:A:THR:HA	4	0.54
(1,2503)	1:5:A:VAL:HG23	1:39:A:THR:HA	4	0.54
(1,2312)	1:32:A:VAL:HG11	1:52:A:VAL:H	9	0.54
(1,2312)	1:32:A:VAL:HG12	1:52:A:VAL:H	9	0.54
(1,2312)	1:32:A:VAL:HG13	1:52:A:VAL:H	9	0.54
(1,2242)	1:20:A:ALA:HB1	1:158:A:TYR:HA	7	0.54
(1,2242)	1:20:A:ALA:HB2	1:158:A:TYR:HA	7	0.54
(1,2242)	1:20:A:ALA:HB3	1:158:A:TYR:HA	7	0.54
(1,2240)	1:20:A:ALA:HA	1:65:A:VAL:HB	8	0.54
(1,2044)	1:10:A:VAL:HB	1:32:A:VAL:HB	2	0.54
(1,1945)	1:97:A:THR:H	1:143:A:ALA:HA	19	0.54
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE1	20	0.54
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE2	20	0.54
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE1	20	0.54
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE2	20	0.54
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE1	20	0.54
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE2	20	0.54
(1,1634)	1:16:A:VAL:H	1:155:A:LYS:HA	13	0.54
(1,1377)	1:74:A:LEU:HB3	1:153:A:THR:HB	13	0.54
(1,1211)	1:124:A:LEU:HD11	1:159:A:GLN:H	19	0.54
(1,1211)	1:124:A:LEU:HD12	1:159:A:GLN:H	19	0.54
(1,1211)	1:124:A:LEU:HD13	1:159:A:GLN:H	19	0.54
(1,1211)	1:124:A:LEU:HD21	1:159:A:GLN:H	19	0.54
(1,1211)	1:124:A:LEU:HD22	1:159:A:GLN:H	19	0.54
(1,1211)	1:124:A:LEU:HD23	1:159:A:GLN:H	19	0.54
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG21	12	0.54
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG22	12	0.54
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG23	12	0.54
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD1	4	0.54
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD2	4	0.54
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD1	5	0.54
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD2	5	0.54
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD1	6	0.54
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD2	6	0.54
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD1	11	0.54
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD2	11	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD1	19	0.54
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD2	19	0.54
(1,866)	1:56:A:ILE:H	1:133:A:PHE:HB2	19	0.54
(1,856)	1:3:A:THR:HB	1:4:A:THR:HA	7	0.54
(1,856)	1:3:A:THR:HB	1:4:A:THR:HA	11	0.54
(1,856)	1:3:A:THR:HB	1:4:A:THR:HA	17	0.54
(1,782)	1:97:A:THR:HA	1:99:A:VAL:HB	18	0.54
(1,615)	1:96:A:ALA:HA	1:147:A:ALA:H	16	0.54
(1,575)	1:18:A:ASN:HD21	1:22:A:ALA:HB1	19	0.54
(1,575)	1:18:A:ASN:HD21	1:22:A:ALA:HB2	19	0.54
(1,575)	1:18:A:ASN:HD21	1:22:A:ALA:HB3	19	0.54
(1,571)	1:15:A:GLU:H	1:15:A:GLU:HB2	5	0.54
(1,545)	1:70:A:ALA:HA	1:157:A:GLN:HB3	5	0.54
(1,517)	1:88:A:LEU:HD21	1:149:A:ASN:H	17	0.54
(1,517)	1:88:A:LEU:HD22	1:149:A:ASN:H	17	0.54
(1,517)	1:88:A:LEU:HD23	1:149:A:ASN:H	17	0.54
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD11	7	0.54
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD12	7	0.54
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD13	7	0.54
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD11	14	0.54
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD12	14	0.54
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD13	14	0.54
(1,351)	1:92:A:ALA:HA	1:95:A:SER:HB2	8	0.54
(1,351)	1:92:A:ALA:HA	1:95:A:SER:HB3	8	0.54
(1,330)	1:131:A:ILE:HG21	1:133:A:PHE:HB2	4	0.54
(1,330)	1:131:A:ILE:HG22	1:133:A:PHE:HB2	4	0.54
(1,330)	1:131:A:ILE:HG23	1:133:A:PHE:HB2	4	0.54
(1,330)	1:131:A:ILE:HG21	1:133:A:PHE:HB2	11	0.54
(1,330)	1:131:A:ILE:HG22	1:133:A:PHE:HB2	11	0.54
(1,330)	1:131:A:ILE:HG23	1:133:A:PHE:HB2	11	0.54
(1,293)	1:16:A:VAL:HA	1:155:A:LYS:HA	6	0.54
(1,241)	1:6:A:ASN:HA	1:146:A:GLY:H	2	0.54
(1,241)	1:6:A:ASN:HA	1:146:A:GLY:H	5	0.54
(1,241)	1:6:A:ASN:HA	1:146:A:GLY:H	7	0.54
(1,228)	1:18:A:ASN:HA	1:158:A:TYR:HE1	10	0.54
(1,228)	1:18:A:ASN:HA	1:158:A:TYR:HE2	10	0.54
(1,214)	1:13:A:LYS:HD3	1:153:A:THR:HG21	6	0.54
(1,214)	1:13:A:LYS:HD3	1:153:A:THR:HG22	6	0.54
(1,214)	1:13:A:LYS:HD3	1:153:A:THR:HG23	6	0.54
(1,176)	1:32:A:VAL:HG11	1:54:A:PHE:HB2	13	0.54
(1,176)	1:32:A:VAL:HG11	1:54:A:PHE:HB3	13	0.54
(1,176)	1:32:A:VAL:HG12	1:54:A:PHE:HB2	13	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,176)	1:32:A:VAL:HG12	1:54:A:PHE:HB3	13	0.54
(1,176)	1:32:A:VAL:HG13	1:54:A:PHE:HB2	13	0.54
(1,176)	1:32:A:VAL:HG13	1:54:A:PHE:HB3	13	0.54
(1,162)	1:18:A:ASN:HA	1:18:A:ASN:HD21	3	0.54
(1,152)	1:14:A:GLY:H	1:154:A:PHE:HD1	3	0.54
(1,152)	1:14:A:GLY:H	1:154:A:PHE:HD2	3	0.54
(1,142)	1:148:A:ALA:H	1:149:A:ASN:HB3	9	0.54
(1,139)	1:95:A:SER:H	1:147:A:ALA:H	11	0.54
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB1	18	0.54
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB2	18	0.54
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB3	18	0.54
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG11	9	0.54
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG12	9	0.54
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG13	9	0.54
(1,63)	1:20:A:ALA:HB1	1:63:A:THR:H	8	0.54
(1,63)	1:20:A:ALA:HB2	1:63:A:THR:H	8	0.54
(1,63)	1:20:A:ALA:HB3	1:63:A:THR:H	8	0.54
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB1	19	0.54
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB2	19	0.54
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB3	19	0.54
(1,42)	1:156:A:VAL:HA	1:158:A:TYR:H	10	0.54
(1,36)	1:137:A:TYR:HD1	1:148:A:ALA:HA	11	0.54
(1,36)	1:137:A:TYR:HD2	1:148:A:ALA:HA	11	0.54
(1,8)	1:13:A:LYS:HD2	1:153:A:THR:HG21	9	0.54
(1,8)	1:13:A:LYS:HD2	1:153:A:THR:HG22	9	0.54
(1,8)	1:13:A:LYS:HD2	1:153:A:THR:HG23	9	0.54
(1,8)	1:13:A:LYS:HD2	1:153:A:THR:HG21	18	0.54
(1,8)	1:13:A:LYS:HD2	1:153:A:THR:HG22	18	0.54
(1,8)	1:13:A:LYS:HD2	1:153:A:THR:HG23	18	0.54
(1,3402)	1:100:A:GLY:HA3	1:102:A:GLN:HG2	7	0.53
(1,3402)	1:100:A:GLY:HA3	1:102:A:GLN:HG3	7	0.53
(1,3389)	1:99:A:VAL:HG11	1:137:A:TYR:HA	13	0.53
(1,3389)	1:99:A:VAL:HG12	1:137:A:TYR:HA	13	0.53
(1,3389)	1:99:A:VAL:HG13	1:137:A:TYR:HA	13	0.53
(1,3389)	1:99:A:VAL:HG21	1:137:A:TYR:HA	13	0.53
(1,3389)	1:99:A:VAL:HG22	1:137:A:TYR:HA	13	0.53
(1,3389)	1:99:A:VAL:HG23	1:137:A:TYR:HA	13	0.53
(1,3366)	1:89:A:GLN:HB2	1:149:A:ASN:HD21	16	0.53
(1,3366)	1:89:A:GLN:HB3	1:149:A:ASN:HD21	16	0.53
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB1	14	0.53
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB2	14	0.53
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB3	14	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB1	14	0.53
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB2	14	0.53
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB3	14	0.53
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB1	14	0.53
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB2	14	0.53
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB3	14	0.53
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB1	14	0.53
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB2	14	0.53
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB3	14	0.53
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB1	14	0.53
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB2	14	0.53
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB3	14	0.53
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB1	14	0.53
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB2	14	0.53
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB3	14	0.53
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB1	18	0.53
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB2	18	0.53
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB3	18	0.53
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB1	18	0.53
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB2	18	0.53
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB3	18	0.53
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB1	18	0.53
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB2	18	0.53
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB3	18	0.53
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB1	18	0.53
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB2	18	0.53
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB3	18	0.53
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB1	18	0.53
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB2	18	0.53
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB3	18	0.53
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB1	18	0.53
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB2	18	0.53
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB3	18	0.53
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB1	4	0.53
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB2	4	0.53
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB3	4	0.53
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB1	4	0.53
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB2	4	0.53
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB3	4	0.53
(1,3123)	1:51:A:ALA:HA	1:136:A:ARG:HD2	15	0.53
(1,3123)	1:51:A:ALA:HA	1:136:A:ARG:HD3	15	0.53
(1,3024)	1:34:A:LEU:HD11	1:150:A:ALA:H	5	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3024)	1:34:A:LEU:HD12	1:150:A:ALA:H	5	0.53
(1,3024)	1:34:A:LEU:HD13	1:150:A:ALA:H	5	0.53
(1,3024)	1:34:A:LEU:HD21	1:150:A:ALA:H	5	0.53
(1,3024)	1:34:A:LEU:HD22	1:150:A:ALA:H	5	0.53
(1,3024)	1:34:A:LEU:HD23	1:150:A:ALA:H	5	0.53
(1,2903)	1:16:A:VAL:HG11	1:23:A:VAL:H	10	0.53
(1,2903)	1:16:A:VAL:HG12	1:23:A:VAL:H	10	0.53
(1,2903)	1:16:A:VAL:HG13	1:23:A:VAL:H	10	0.53
(1,2903)	1:16:A:VAL:HG21	1:23:A:VAL:H	10	0.53
(1,2903)	1:16:A:VAL:HG22	1:23:A:VAL:H	10	0.53
(1,2903)	1:16:A:VAL:HG23	1:23:A:VAL:H	10	0.53
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG11	10	0.53
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG12	10	0.53
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG13	10	0.53
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG21	10	0.53
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG22	10	0.53
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG23	10	0.53
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG11	15	0.53
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG12	15	0.53
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG13	15	0.53
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG21	15	0.53
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG22	15	0.53
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG23	15	0.53
(1,2801)	1:4:A:THR:HG21	1:38:A:ARG:HG2	17	0.53
(1,2801)	1:4:A:THR:HG21	1:38:A:ARG:HG3	17	0.53
(1,2801)	1:4:A:THR:HG22	1:38:A:ARG:HG2	17	0.53
(1,2801)	1:4:A:THR:HG22	1:38:A:ARG:HG3	17	0.53
(1,2801)	1:4:A:THR:HG23	1:38:A:ARG:HG2	17	0.53
(1,2801)	1:4:A:THR:HG23	1:38:A:ARG:HG3	17	0.53
(1,2790)	1:9:A:THR:HA	1:34:A:LEU:HG	12	0.53
(1,2705)	1:86:A:LEU:HD21	1:101:A:VAL:H	17	0.53
(1,2705)	1:86:A:LEU:HD22	1:101:A:VAL:H	17	0.53
(1,2705)	1:86:A:LEU:HD23	1:101:A:VAL:H	17	0.53
(1,2602)	1:74:A:LEU:HB2	1:153:A:THR:HB	11	0.53
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG21	15	0.53
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG22	15	0.53
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG23	15	0.53
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG21	2	0.53
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG22	2	0.53
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG23	2	0.53
(1,2242)	1:20:A:ALA:HB1	1:158:A:TYR:HA	12	0.53
(1,2242)	1:20:A:ALA:HB2	1:158:A:TYR:HA	12	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2242)	1:20:A:ALA:HB3	1:158:A:TYR:HA	12	0.53
(1,2229)	1:18:A:ASN:H	1:18:A:ASN:HD21	6	0.53
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB1	5	0.53
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB2	5	0.53
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB3	5	0.53
(1,2041)	1:10:A:VAL:H	1:32:A:VAL:HB	8	0.53
(1,1945)	1:97:A:THR:H	1:143:A:ALA:HA	6	0.53
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB1	4	0.53
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB2	4	0.53
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB3	4	0.53
(1,1734)	1:48:A:THR:HG21	1:138:A:PHE:H	20	0.53
(1,1734)	1:48:A:THR:HG22	1:138:A:PHE:H	20	0.53
(1,1734)	1:48:A:THR:HG23	1:138:A:PHE:H	20	0.53
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE1	15	0.53
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE2	15	0.53
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE1	15	0.53
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE2	15	0.53
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE1	15	0.53
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE2	15	0.53
(1,1563)	1:12:A:PHE:HB3	1:14:A:GLY:H	7	0.53
(1,1322)	1:4:A:THR:HG21	1:36:A:GLN:HG3	4	0.53
(1,1322)	1:4:A:THR:HG22	1:36:A:GLN:HG3	4	0.53
(1,1322)	1:4:A:THR:HG23	1:36:A:GLN:HG3	4	0.53
(1,1284)	1:29:A:ASP:H	1:30:A:GLN:HE21	7	0.53
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD1	3	0.53
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD2	3	0.53
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD1	9	0.53
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD2	9	0.53
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD1	10	0.53
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD2	10	0.53
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD1	14	0.53
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD2	14	0.53
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD1	15	0.53
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD2	15	0.53
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD1	17	0.53
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD2	17	0.53
(1,856)	1:3:A:THR:HB	1:4:A:THR:HA	12	0.53
(1,782)	1:97:A:THR:HA	1:99:A:VAL:HB	3	0.53
(1,615)	1:96:A:ALA:HA	1:147:A:ALA:H	3	0.53
(1,571)	1:15:A:GLU:H	1:15:A:GLU:HB2	15	0.53
(1,549)	1:74:A:LEU:HD21	1:155:A:LYS:HE2	20	0.53
(1,549)	1:74:A:LEU:HD21	1:155:A:LYS:HE3	20	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,549)	1:74:A:LEU:HD22	1:155:A:LYS:HE2	20	0.53
(1,549)	1:74:A:LEU:HD22	1:155:A:LYS:HE3	20	0.53
(1,549)	1:74:A:LEU:HD23	1:155:A:LYS:HE2	20	0.53
(1,549)	1:74:A:LEU:HD23	1:155:A:LYS:HE3	20	0.53
(1,517)	1:88:A:LEU:HD21	1:149:A:ASN:H	5	0.53
(1,517)	1:88:A:LEU:HD22	1:149:A:ASN:H	5	0.53
(1,517)	1:88:A:LEU:HD23	1:149:A:ASN:H	5	0.53
(1,373)	1:78:A:ILE:HD11	1:100:A:GLY:HA2	20	0.53
(1,373)	1:78:A:ILE:HD12	1:100:A:GLY:HA2	20	0.53
(1,373)	1:78:A:ILE:HD13	1:100:A:GLY:HA2	20	0.53
(1,336)	1:18:A:ASN:HA	1:19:A:ALA:H	4	0.53
(1,241)	1:6:A:ASN:HA	1:146:A:GLY:H	9	0.53
(1,241)	1:6:A:ASN:HA	1:146:A:GLY:H	18	0.53
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG21	7	0.53
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG22	7	0.53
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG23	7	0.53
(1,152)	1:14:A:GLY:H	1:154:A:PHE:HD1	13	0.53
(1,152)	1:14:A:GLY:H	1:154:A:PHE:HD2	13	0.53
(1,142)	1:148:A:ALA:H	1:149:A:ASN:HB3	11	0.53
(1,76)	1:69:A:ALA:HA	1:159:A:GLN:H	7	0.53
(1,76)	1:69:A:ALA:HA	1:159:A:GLN:H	8	0.53
(1,76)	1:69:A:ALA:HA	1:159:A:GLN:H	10	0.53
(1,76)	1:69:A:ALA:HA	1:159:A:GLN:H	20	0.53
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG11	10	0.53
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG12	10	0.53
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG13	10	0.53
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG11	13	0.53
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG12	13	0.53
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG13	13	0.53
(1,36)	1:137:A:TYR:HD1	1:148:A:ALA:HA	12	0.53
(1,36)	1:137:A:TYR:HD2	1:148:A:ALA:HA	12	0.53
(1,3498)	1:159:A:GLN:H	1:159:A:GLN:HG2	20	0.52
(1,3498)	1:159:A:GLN:H	1:159:A:GLN:HG3	20	0.52
(1,3389)	1:99:A:VAL:HG11	1:137:A:TYR:HA	6	0.52
(1,3389)	1:99:A:VAL:HG12	1:137:A:TYR:HA	6	0.52
(1,3389)	1:99:A:VAL:HG13	1:137:A:TYR:HA	6	0.52
(1,3389)	1:99:A:VAL:HG21	1:137:A:TYR:HA	6	0.52
(1,3389)	1:99:A:VAL:HG22	1:137:A:TYR:HA	6	0.52
(1,3389)	1:99:A:VAL:HG23	1:137:A:TYR:HA	6	0.52
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB1	17	0.52
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB2	17	0.52
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB3	17	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB1	17	0.52
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB2	17	0.52
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB3	17	0.52
(1,3123)	1:51:A:ALA:HA	1:136:A:ARG:HD2	1	0.52
(1,3123)	1:51:A:ALA:HA	1:136:A:ARG:HD3	1	0.52
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD1	1	0.52
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD2	1	0.52
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD1	1	0.52
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD2	1	0.52
(1,2778)	1:99:A:VAL:HG11	1:137:A:TYR:HE1	6	0.52
(1,2778)	1:99:A:VAL:HG11	1:137:A:TYR:HE2	6	0.52
(1,2778)	1:99:A:VAL:HG12	1:137:A:TYR:HE1	6	0.52
(1,2778)	1:99:A:VAL:HG12	1:137:A:TYR:HE2	6	0.52
(1,2778)	1:99:A:VAL:HG13	1:137:A:TYR:HE1	6	0.52
(1,2778)	1:99:A:VAL:HG13	1:137:A:TYR:HE2	6	0.52
(1,2778)	1:99:A:VAL:HG11	1:137:A:TYR:HE1	11	0.52
(1,2778)	1:99:A:VAL:HG11	1:137:A:TYR:HE2	11	0.52
(1,2778)	1:99:A:VAL:HG12	1:137:A:TYR:HE1	11	0.52
(1,2778)	1:99:A:VAL:HG12	1:137:A:TYR:HE2	11	0.52
(1,2778)	1:99:A:VAL:HG13	1:137:A:TYR:HE1	11	0.52
(1,2778)	1:99:A:VAL:HG13	1:137:A:TYR:HE2	11	0.52
(1,2778)	1:99:A:VAL:HG11	1:137:A:TYR:HE1	16	0.52
(1,2778)	1:99:A:VAL:HG11	1:137:A:TYR:HE2	16	0.52
(1,2778)	1:99:A:VAL:HG12	1:137:A:TYR:HE1	16	0.52
(1,2778)	1:99:A:VAL:HG12	1:137:A:TYR:HE2	16	0.52
(1,2778)	1:99:A:VAL:HG13	1:137:A:TYR:HE1	16	0.52
(1,2778)	1:99:A:VAL:HG13	1:137:A:TYR:HE2	16	0.52
(1,2705)	1:86:A:LEU:HD21	1:101:A:VAL:H	2	0.52
(1,2705)	1:86:A:LEU:HD22	1:101:A:VAL:H	2	0.52
(1,2705)	1:86:A:LEU:HD23	1:101:A:VAL:H	2	0.52
(1,2705)	1:86:A:LEU:HD21	1:101:A:VAL:H	8	0.52
(1,2705)	1:86:A:LEU:HD22	1:101:A:VAL:H	8	0.52
(1,2705)	1:86:A:LEU:HD23	1:101:A:VAL:H	8	0.52
(1,2705)	1:86:A:LEU:HD21	1:101:A:VAL:H	12	0.52
(1,2705)	1:86:A:LEU:HD22	1:101:A:VAL:H	12	0.52
(1,2705)	1:86:A:LEU:HD23	1:101:A:VAL:H	12	0.52
(1,2623)	1:77:A:ALA:HB1	1:81:A:GLY:H	8	0.52
(1,2623)	1:77:A:ALA:HB2	1:81:A:GLY:H	8	0.52
(1,2623)	1:77:A:ALA:HB3	1:81:A:GLY:H	8	0.52
(1,2623)	1:77:A:ALA:HB1	1:81:A:GLY:H	13	0.52
(1,2623)	1:77:A:ALA:HB2	1:81:A:GLY:H	13	0.52
(1,2623)	1:77:A:ALA:HB3	1:81:A:GLY:H	13	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2602)	1:74:A:LEU:HB2	1:153:A:THR:HB	15	0.52
(1,2312)	1:32:A:VAL:HG11	1:52:A:VAL:H	10	0.52
(1,2312)	1:32:A:VAL:HG12	1:52:A:VAL:H	10	0.52
(1,2312)	1:32:A:VAL:HG13	1:52:A:VAL:H	10	0.52
(1,2242)	1:20:A:ALA:HB1	1:158:A:TYR:HA	10	0.52
(1,2242)	1:20:A:ALA:HB2	1:158:A:TYR:HA	10	0.52
(1,2242)	1:20:A:ALA:HB3	1:158:A:TYR:HA	10	0.52
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE1	2	0.52
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE2	2	0.52
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE1	2	0.52
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE2	2	0.52
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE1	2	0.52
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE2	2	0.52
(1,2171)	1:13:A:LYS:HE2	1:153:A:THR:HG21	6	0.52
(1,2171)	1:13:A:LYS:HE2	1:153:A:THR:HG22	6	0.52
(1,2171)	1:13:A:LYS:HE2	1:153:A:THR:HG23	6	0.52
(1,2171)	1:13:A:LYS:HE3	1:153:A:THR:HG21	6	0.52
(1,2171)	1:13:A:LYS:HE3	1:153:A:THR:HG22	6	0.52
(1,2171)	1:13:A:LYS:HE3	1:153:A:THR:HG23	6	0.52
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB1	4	0.52
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB2	4	0.52
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB3	4	0.52
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB1	8	0.52
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB2	8	0.52
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB3	8	0.52
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB1	11	0.52
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB2	11	0.52
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB3	11	0.52
(1,1948)	1:97:A:THR:H	1:148:A:ALA:HB1	19	0.52
(1,1948)	1:97:A:THR:H	1:148:A:ALA:HB2	19	0.52
(1,1948)	1:97:A:THR:H	1:148:A:ALA:HB3	19	0.52
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB1	3	0.52
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB2	3	0.52
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB3	3	0.52
(1,1688)	1:34:A:LEU:HD21	1:136:A:ARG:H	3	0.52
(1,1688)	1:34:A:LEU:HD22	1:136:A:ARG:H	3	0.52
(1,1688)	1:34:A:LEU:HD23	1:136:A:ARG:H	3	0.52
(1,1688)	1:34:A:LEU:HD21	1:136:A:ARG:H	5	0.52
(1,1688)	1:34:A:LEU:HD22	1:136:A:ARG:H	5	0.52
(1,1688)	1:34:A:LEU:HD23	1:136:A:ARG:H	5	0.52
(1,1289)	1:32:A:VAL:HG21	1:55:A:ASN:H	8	0.52
(1,1289)	1:32:A:VAL:HG22	1:55:A:ASN:H	8	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1289)	1:32:A:VAL:HG23	1:55:A:ASN:H	8	0.52
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD1	16	0.52
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD2	16	0.52
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG21	11	0.52
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG22	11	0.52
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG23	11	0.52
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG21	11	0.52
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG22	11	0.52
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG23	11	0.52
(1,877)	1:65:A:VAL:HB	1:66:A:ALA:H	14	0.52
(1,877)	1:65:A:VAL:HB	1:66:A:ALA:H	16	0.52
(1,875)	1:61:A:CYS:HB2	1:126:A:ASN:HA	19	0.52
(1,856)	1:3:A:THR:HB	1:4:A:THR:HA	2	0.52
(1,782)	1:97:A:THR:HA	1:99:A:VAL:HB	5	0.52
(1,782)	1:97:A:THR:HA	1:99:A:VAL:HB	6	0.52
(1,725)	1:19:A:ALA:HB1	1:21:A:CYS:H	14	0.52
(1,725)	1:19:A:ALA:HB2	1:21:A:CYS:H	14	0.52
(1,725)	1:19:A:ALA:HB3	1:21:A:CYS:H	14	0.52
(1,571)	1:15:A:GLU:H	1:15:A:GLU:HB2	2	0.52
(1,571)	1:15:A:GLU:H	1:15:A:GLU:HB2	12	0.52
(1,549)	1:74:A:LEU:HD21	1:155:A:LYS:HE2	10	0.52
(1,549)	1:74:A:LEU:HD21	1:155:A:LYS:HE3	10	0.52
(1,549)	1:74:A:LEU:HD22	1:155:A:LYS:HE2	10	0.52
(1,549)	1:74:A:LEU:HD22	1:155:A:LYS:HE3	10	0.52
(1,549)	1:74:A:LEU:HD23	1:155:A:LYS:HE2	10	0.52
(1,549)	1:74:A:LEU:HD23	1:155:A:LYS:HE3	10	0.52
(1,549)	1:74:A:LEU:HD21	1:155:A:LYS:HE2	15	0.52
(1,549)	1:74:A:LEU:HD21	1:155:A:LYS:HE3	15	0.52
(1,549)	1:74:A:LEU:HD22	1:155:A:LYS:HE2	15	0.52
(1,549)	1:74:A:LEU:HD22	1:155:A:LYS:HE3	15	0.52
(1,549)	1:74:A:LEU:HD23	1:155:A:LYS:HE2	15	0.52
(1,549)	1:74:A:LEU:HD23	1:155:A:LYS:HE3	15	0.52
(1,519)	1:90:A:SER:HA	1:95:A:SER:HA	8	0.52
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD11	4	0.52
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD12	4	0.52
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD13	4	0.52
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD11	5	0.52
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD12	5	0.52
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD13	5	0.52
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD11	9	0.52
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD12	9	0.52
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD13	9	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD11	15	0.52
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD12	15	0.52
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD13	15	0.52
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD11	17	0.52
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD12	17	0.52
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD13	17	0.52
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD11	19	0.52
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD12	19	0.52
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD13	19	0.52
(1,336)	1:18:A:ASN:HA	1:19:A:ALA:H	12	0.52
(1,330)	1:131:A:ILE:HG21	1:133:A:PHE:HB2	13	0.52
(1,330)	1:131:A:ILE:HG22	1:133:A:PHE:HB2	13	0.52
(1,330)	1:131:A:ILE:HG23	1:133:A:PHE:HB2	13	0.52
(1,307)	1:158:A:TYR:HA	1:159:A:GLN:H	9	0.52
(1,307)	1:158:A:TYR:HA	1:159:A:GLN:H	10	0.52
(1,307)	1:158:A:TYR:HA	1:159:A:GLN:H	18	0.52
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG21	18	0.52
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG22	18	0.52
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG23	18	0.52
(1,295)	1:39:A:THR:HA	1:42:A:LEU:HG	13	0.52
(1,293)	1:16:A:VAL:HA	1:155:A:LYS:HA	20	0.52
(1,254)	1:37:A:VAL:HA	1:38:A:ARG:HB2	4	0.52
(1,176)	1:32:A:VAL:HG11	1:54:A:PHE:HB2	15	0.52
(1,176)	1:32:A:VAL:HG11	1:54:A:PHE:HB3	15	0.52
(1,176)	1:32:A:VAL:HG12	1:54:A:PHE:HB2	15	0.52
(1,176)	1:32:A:VAL:HG12	1:54:A:PHE:HB3	15	0.52
(1,176)	1:32:A:VAL:HG13	1:54:A:PHE:HB2	15	0.52
(1,176)	1:32:A:VAL:HG13	1:54:A:PHE:HB3	15	0.52
(1,139)	1:95:A:SER:H	1:147:A:ALA:H	5	0.52
(1,139)	1:95:A:SER:H	1:147:A:ALA:H	17	0.52
(1,139)	1:95:A:SER:H	1:147:A:ALA:H	18	0.52
(1,95)	1:152:A:ALA:HB1	1:154:A:PHE:H	9	0.52
(1,95)	1:152:A:ALA:HB2	1:154:A:PHE:H	9	0.52
(1,95)	1:152:A:ALA:HB3	1:154:A:PHE:H	9	0.52
(1,76)	1:69:A:ALA:HA	1:159:A:GLN:H	3	0.52
(1,63)	1:20:A:ALA:HB1	1:63:A:THR:H	17	0.52
(1,63)	1:20:A:ALA:HB2	1:63:A:THR:H	17	0.52
(1,63)	1:20:A:ALA:HB3	1:63:A:THR:H	17	0.52
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB1	1	0.51
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB2	1	0.51
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB3	1	0.51
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB1	1	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB2	1	0.51
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB3	1	0.51
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB1	1	0.51
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB2	1	0.51
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB3	1	0.51
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB1	1	0.51
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB2	1	0.51
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB3	1	0.51
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB1	1	0.51
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB2	1	0.51
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB3	1	0.51
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB1	1	0.51
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB2	1	0.51
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB3	1	0.51
(1,3389)	1:99:A:VAL:HG11	1:137:A:TYR:HA	1	0.51
(1,3389)	1:99:A:VAL:HG12	1:137:A:TYR:HA	1	0.51
(1,3389)	1:99:A:VAL:HG13	1:137:A:TYR:HA	1	0.51
(1,3389)	1:99:A:VAL:HG21	1:137:A:TYR:HA	1	0.51
(1,3389)	1:99:A:VAL:HG22	1:137:A:TYR:HA	1	0.51
(1,3389)	1:99:A:VAL:HG23	1:137:A:TYR:HA	1	0.51
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG11	10	0.51
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG12	10	0.51
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG13	10	0.51
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG21	10	0.51
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG22	10	0.51
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG23	10	0.51
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD11	7	0.51
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD12	7	0.51
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD13	7	0.51
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD11	7	0.51
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD12	7	0.51
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD13	7	0.51
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD11	7	0.51
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD12	7	0.51
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD13	7	0.51
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD11	7	0.51
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD12	7	0.51
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD13	7	0.51
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD11	7	0.51
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD12	7	0.51
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD13	7	0.51
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD11	7	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD12	7	0.51
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD13	7	0.51
(1,3024)	1:34:A:LEU:HD11	1:150:A:ALA:H	7	0.51
(1,3024)	1:34:A:LEU:HD12	1:150:A:ALA:H	7	0.51
(1,3024)	1:34:A:LEU:HD13	1:150:A:ALA:H	7	0.51
(1,3024)	1:34:A:LEU:HD21	1:150:A:ALA:H	7	0.51
(1,3024)	1:34:A:LEU:HD22	1:150:A:ALA:H	7	0.51
(1,3024)	1:34:A:LEU:HD23	1:150:A:ALA:H	7	0.51
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE1	5	0.51
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE2	5	0.51
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE1	5	0.51
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE2	5	0.51
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE1	5	0.51
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE2	5	0.51
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE1	5	0.51
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE2	5	0.51
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE1	5	0.51
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE2	5	0.51
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE1	5	0.51
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE2	5	0.51
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG11	14	0.51
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG12	14	0.51
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG13	14	0.51
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG21	14	0.51
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG22	14	0.51
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG23	14	0.51
(1,2705)	1:86:A:LEU:HD21	1:101:A:VAL:H	3	0.51
(1,2705)	1:86:A:LEU:HD22	1:101:A:VAL:H	3	0.51
(1,2705)	1:86:A:LEU:HD23	1:101:A:VAL:H	3	0.51
(1,2705)	1:86:A:LEU:HD21	1:101:A:VAL:H	7	0.51
(1,2705)	1:86:A:LEU:HD22	1:101:A:VAL:H	7	0.51
(1,2705)	1:86:A:LEU:HD23	1:101:A:VAL:H	7	0.51
(1,2312)	1:32:A:VAL:HG11	1:52:A:VAL:H	3	0.51
(1,2312)	1:32:A:VAL:HG12	1:52:A:VAL:H	3	0.51
(1,2312)	1:32:A:VAL:HG13	1:52:A:VAL:H	3	0.51
(1,2229)	1:18:A:ASN:H	1:18:A:ASN:HD21	9	0.51
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE1	6	0.51
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE2	6	0.51
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE1	6	0.51
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE2	6	0.51
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE1	6	0.51
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE2	6	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB1	2	0.51
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB2	2	0.51
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB3	2	0.51
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB1	3	0.51
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB2	3	0.51
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB3	3	0.51
(1,1885)	1:79:A:ASP:H	1:81:A:GLY:H	2	0.51
(1,1688)	1:34:A:LEU:HD21	1:136:A:ARG:H	1	0.51
(1,1688)	1:34:A:LEU:HD22	1:136:A:ARG:H	1	0.51
(1,1688)	1:34:A:LEU:HD23	1:136:A:ARG:H	1	0.51
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE1	12	0.51
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE2	12	0.51
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE1	12	0.51
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE2	12	0.51
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE1	12	0.51
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE2	12	0.51
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE1	17	0.51
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE2	17	0.51
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE1	17	0.51
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE2	17	0.51
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE1	17	0.51
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE2	17	0.51
(1,1085)	1:34:A:LEU:HA	1:52:A:VAL:HB	3	0.51
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD1	16	0.51
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD2	16	0.51
(1,878)	1:67:A:SER:H	1:159:A:GLN:H	1	0.51
(1,834)	1:15:A:GLU:H	1:15:A:GLU:HB3	6	0.51
(1,834)	1:15:A:GLU:H	1:15:A:GLU:HB3	19	0.51
(1,774)	1:8:A:GLY:H	1:148:A:ALA:H	16	0.51
(1,774)	1:8:A:GLY:H	1:148:A:ALA:H	17	0.51
(1,737)	1:32:A:VAL:HG11	1:34:A:LEU:HA	1	0.51
(1,737)	1:32:A:VAL:HG12	1:34:A:LEU:HA	1	0.51
(1,737)	1:32:A:VAL:HG13	1:34:A:LEU:HA	1	0.51
(1,571)	1:15:A:GLU:H	1:15:A:GLU:HB2	17	0.51
(1,425)	1:74:A:LEU:HD21	1:153:A:THR:HB	4	0.51
(1,425)	1:74:A:LEU:HD22	1:153:A:THR:HB	4	0.51
(1,425)	1:74:A:LEU:HD23	1:153:A:THR:HB	4	0.51
(1,425)	1:74:A:LEU:HD21	1:153:A:THR:HB	9	0.51
(1,425)	1:74:A:LEU:HD22	1:153:A:THR:HB	9	0.51
(1,425)	1:74:A:LEU:HD23	1:153:A:THR:HB	9	0.51
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD11	6	0.51
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD12	6	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD13	6	0.51
(1,336)	1:18:A:ASN:HA	1:19:A:ALA:H	16	0.51
(1,307)	1:158:A:TYR:HA	1:159:A:GLN:H	1	0.51
(1,307)	1:158:A:TYR:HA	1:159:A:GLN:H	13	0.51
(1,293)	1:16:A:VAL:HA	1:155:A:LYS:HA	2	0.51
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD21	3	0.51
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD22	3	0.51
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD23	3	0.51
(1,269)	1:34:A:LEU:HA	1:52:A:VAL:HA	18	0.51
(1,241)	1:6:A:ASN:HA	1:146:A:GLY:H	13	0.51
(1,220)	1:70:A:ALA:H	1:121:A:GLU:HA	8	0.51
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG21	20	0.51
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG22	20	0.51
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG23	20	0.51
(1,131)	1:14:A:GLY:HA2	1:154:A:PHE:H	20	0.51
(1,117)	1:124:A:LEU:HA	1:125:A:ASN:HD22	12	0.51
(1,76)	1:69:A:ALA:HA	1:159:A:GLN:H	4	0.51
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG11	19	0.51
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG12	19	0.51
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG13	19	0.51
(1,3402)	1:100:A:GLY:HA3	1:102:A:GLN:HG2	11	0.5
(1,3402)	1:100:A:GLY:HA3	1:102:A:GLN:HG3	11	0.5
(1,3391)	1:99:A:VAL:HG11	1:137:A:TYR:HD1	13	0.5
(1,3391)	1:99:A:VAL:HG11	1:137:A:TYR:HD2	13	0.5
(1,3391)	1:99:A:VAL:HG12	1:137:A:TYR:HD1	13	0.5
(1,3391)	1:99:A:VAL:HG12	1:137:A:TYR:HD2	13	0.5
(1,3391)	1:99:A:VAL:HG13	1:137:A:TYR:HD1	13	0.5
(1,3391)	1:99:A:VAL:HG13	1:137:A:TYR:HD2	13	0.5
(1,3391)	1:99:A:VAL:HG21	1:137:A:TYR:HD1	13	0.5
(1,3391)	1:99:A:VAL:HG21	1:137:A:TYR:HD2	13	0.5
(1,3391)	1:99:A:VAL:HG22	1:137:A:TYR:HD1	13	0.5
(1,3391)	1:99:A:VAL:HG22	1:137:A:TYR:HD2	13	0.5
(1,3391)	1:99:A:VAL:HG23	1:137:A:TYR:HD1	13	0.5
(1,3391)	1:99:A:VAL:HG23	1:137:A:TYR:HD2	13	0.5
(1,3389)	1:99:A:VAL:HG11	1:137:A:TYR:HA	20	0.5
(1,3389)	1:99:A:VAL:HG12	1:137:A:TYR:HA	20	0.5
(1,3389)	1:99:A:VAL:HG13	1:137:A:TYR:HA	20	0.5
(1,3389)	1:99:A:VAL:HG21	1:137:A:TYR:HA	20	0.5
(1,3389)	1:99:A:VAL:HG22	1:137:A:TYR:HA	20	0.5
(1,3389)	1:99:A:VAL:HG23	1:137:A:TYR:HA	20	0.5
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB1	14	0.5
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB2	14	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB3	14	0.5
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB1	14	0.5
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB2	14	0.5
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB3	14	0.5
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB1	14	0.5
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB2	14	0.5
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB3	14	0.5
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB1	14	0.5
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB2	14	0.5
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB3	14	0.5
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB1	14	0.5
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB2	14	0.5
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB3	14	0.5
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB1	14	0.5
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB2	14	0.5
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB3	14	0.5
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB1	13	0.5
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB2	13	0.5
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB3	13	0.5
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB1	13	0.5
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB2	13	0.5
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB3	13	0.5
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD11	1	0.5
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD12	1	0.5
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD13	1	0.5
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD11	1	0.5
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD12	1	0.5
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD13	1	0.5
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD11	1	0.5
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD12	1	0.5
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD13	1	0.5
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD11	1	0.5
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD12	1	0.5
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD13	1	0.5
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD11	1	0.5
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD12	1	0.5
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD13	1	0.5
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD11	1	0.5
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD12	1	0.5
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD13	1	0.5
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD11	4	0.5
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD12	4	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD13	4	0.5
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD11	4	0.5
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD12	4	0.5
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD13	4	0.5
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD11	4	0.5
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD12	4	0.5
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD13	4	0.5
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD11	4	0.5
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD12	4	0.5
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD13	4	0.5
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD11	4	0.5
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD12	4	0.5
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD13	4	0.5
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD11	4	0.5
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD12	4	0.5
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD13	4	0.5
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD11	12	0.5
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD12	12	0.5
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD13	12	0.5
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD11	12	0.5
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD12	12	0.5
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD13	12	0.5
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD11	12	0.5
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD12	12	0.5
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD13	12	0.5
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD11	12	0.5
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD12	12	0.5
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD13	12	0.5
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD11	12	0.5
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD12	12	0.5
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD13	12	0.5
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD11	12	0.5
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD12	12	0.5
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD13	12	0.5
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD1	3	0.5
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD2	3	0.5
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD1	3	0.5
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD2	3	0.5
(1,3024)	1:34:A:LEU:HD11	1:150:A:ALA:H	4	0.5
(1,3024)	1:34:A:LEU:HD12	1:150:A:ALA:H	4	0.5
(1,3024)	1:34:A:LEU:HD13	1:150:A:ALA:H	4	0.5
(1,3024)	1:34:A:LEU:HD21	1:150:A:ALA:H	4	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3024)	1:34:A:LEU:HD22	1:150:A:ALA:H	4	0.5
(1,3024)	1:34:A:LEU:HD23	1:150:A:ALA:H	4	0.5
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE1	2	0.5
(1,2913)	1:16:A:VAL:HG11	1:158:A:TYR:HE2	2	0.5
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE1	2	0.5
(1,2913)	1:16:A:VAL:HG12	1:158:A:TYR:HE2	2	0.5
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE1	2	0.5
(1,2913)	1:16:A:VAL:HG13	1:158:A:TYR:HE2	2	0.5
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE1	2	0.5
(1,2913)	1:16:A:VAL:HG21	1:158:A:TYR:HE2	2	0.5
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE1	2	0.5
(1,2913)	1:16:A:VAL:HG22	1:158:A:TYR:HE2	2	0.5
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE1	2	0.5
(1,2913)	1:16:A:VAL:HG23	1:158:A:TYR:HE2	2	0.5
(1,2792)	1:9:A:THR:HG21	1:32:A:VAL:H	17	0.5
(1,2792)	1:9:A:THR:HG22	1:32:A:VAL:H	17	0.5
(1,2792)	1:9:A:THR:HG23	1:32:A:VAL:H	17	0.5
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG21	20	0.5
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG22	20	0.5
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG23	20	0.5
(1,2312)	1:32:A:VAL:HG11	1:52:A:VAL:H	14	0.5
(1,2312)	1:32:A:VAL:HG12	1:52:A:VAL:H	14	0.5
(1,2312)	1:32:A:VAL:HG13	1:52:A:VAL:H	14	0.5
(1,2310)	1:32:A:VAL:HG11	1:135:A:ALA:H	14	0.5
(1,2310)	1:32:A:VAL:HG12	1:135:A:ALA:H	14	0.5
(1,2310)	1:32:A:VAL:HG13	1:135:A:ALA:H	14	0.5
(1,2299)	1:30:A:GLN:HG2	1:31:A:THR:H	15	0.5
(1,2240)	1:20:A:ALA:HA	1:65:A:VAL:HB	15	0.5
(1,2240)	1:20:A:ALA:HA	1:65:A:VAL:HB	20	0.5
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE1	7	0.5
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE2	7	0.5
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE1	7	0.5
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE2	7	0.5
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE1	7	0.5
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE2	7	0.5
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD1	5	0.5
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD2	5	0.5
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD1	5	0.5
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD2	5	0.5
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD1	5	0.5
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD2	5	0.5
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD1	7	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD2	7	0.5
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD1	7	0.5
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD2	7	0.5
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD1	7	0.5
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD2	7	0.5
(1,2041)	1:10:A:VAL:H	1:32:A:VAL:HB	14	0.5
(1,1948)	1:97:A:THR:H	1:148:A:ALA:HB1	16	0.5
(1,1948)	1:97:A:THR:H	1:148:A:ALA:HB2	16	0.5
(1,1948)	1:97:A:THR:H	1:148:A:ALA:HB3	16	0.5
(1,1688)	1:34:A:LEU:HD21	1:136:A:ARG:H	4	0.5
(1,1688)	1:34:A:LEU:HD22	1:136:A:ARG:H	4	0.5
(1,1688)	1:34:A:LEU:HD23	1:136:A:ARG:H	4	0.5
(1,1688)	1:34:A:LEU:HD21	1:136:A:ARG:H	10	0.5
(1,1688)	1:34:A:LEU:HD22	1:136:A:ARG:H	10	0.5
(1,1688)	1:34:A:LEU:HD23	1:136:A:ARG:H	10	0.5
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD1	20	0.5
(1,1643)	1:19:A:ALA:HB1	1:158:A:TYR:HD2	20	0.5
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD1	20	0.5
(1,1643)	1:19:A:ALA:HB2	1:158:A:TYR:HD2	20	0.5
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD1	20	0.5
(1,1643)	1:19:A:ALA:HB3	1:158:A:TYR:HD2	20	0.5
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE1	17	0.5
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE2	17	0.5
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE1	17	0.5
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE2	17	0.5
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE1	17	0.5
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE2	17	0.5
(1,1396)	1:7:A:GLY:HA3	1:37:A:VAL:H	11	0.5
(1,1280)	1:27:A:SER:H	1:28:A:VAL:HB	14	0.5
(1,1257)	1:158:A:TYR:H	1:158:A:TYR:HB2	15	0.5
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD1	5	0.5
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD2	5	0.5
(1,1211)	1:124:A:LEU:HD11	1:159:A:GLN:H	5	0.5
(1,1211)	1:124:A:LEU:HD12	1:159:A:GLN:H	5	0.5
(1,1211)	1:124:A:LEU:HD13	1:159:A:GLN:H	5	0.5
(1,1211)	1:124:A:LEU:HD21	1:159:A:GLN:H	5	0.5
(1,1211)	1:124:A:LEU:HD22	1:159:A:GLN:H	5	0.5
(1,1211)	1:124:A:LEU:HD23	1:159:A:GLN:H	5	0.5
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB2	7	0.5
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB3	7	0.5
(1,1099)	1:48:A:THR:HG21	1:136:A:ARG:HG2	5	0.5
(1,1099)	1:48:A:THR:HG21	1:136:A:ARG:HG3	5	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1099)	1:48:A:THR:HG22	1:136:A:ARG:HG2	5	0.5
(1,1099)	1:48:A:THR:HG22	1:136:A:ARG:HG3	5	0.5
(1,1099)	1:48:A:THR:HG23	1:136:A:ARG:HG2	5	0.5
(1,1099)	1:48:A:THR:HG23	1:136:A:ARG:HG3	5	0.5
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD1	12	0.5
(1,1077)	1:158:A:TYR:HA	1:158:A:TYR:HD2	12	0.5
(1,980)	1:50:A:SER:H	1:137:A:TYR:HD1	9	0.5
(1,980)	1:50:A:SER:H	1:137:A:TYR:HD2	9	0.5
(1,963)	1:32:A:VAL:HG21	1:54:A:PHE:HA	2	0.5
(1,963)	1:32:A:VAL:HG22	1:54:A:PHE:HA	2	0.5
(1,963)	1:32:A:VAL:HG23	1:54:A:PHE:HA	2	0.5
(1,878)	1:67:A:SER:H	1:159:A:GLN:H	3	0.5
(1,834)	1:15:A:GLU:H	1:15:A:GLU:HB3	4	0.5
(1,834)	1:15:A:GLU:H	1:15:A:GLU:HB3	14	0.5
(1,834)	1:15:A:GLU:H	1:15:A:GLU:HB3	18	0.5
(1,774)	1:8:A:GLY:H	1:148:A:ALA:H	19	0.5
(1,762)	1:70:A:ALA:HB1	1:121:A:GLU:HG3	4	0.5
(1,762)	1:70:A:ALA:HB2	1:121:A:GLU:HG3	4	0.5
(1,762)	1:70:A:ALA:HB3	1:121:A:GLU:HG3	4	0.5
(1,762)	1:70:A:ALA:HB1	1:121:A:GLU:HG3	19	0.5
(1,762)	1:70:A:ALA:HB2	1:121:A:GLU:HG3	19	0.5
(1,762)	1:70:A:ALA:HB3	1:121:A:GLU:HG3	19	0.5
(1,725)	1:19:A:ALA:HB1	1:21:A:CYS:H	18	0.5
(1,725)	1:19:A:ALA:HB2	1:21:A:CYS:H	18	0.5
(1,725)	1:19:A:ALA:HB3	1:21:A:CYS:H	18	0.5
(1,615)	1:96:A:ALA:HA	1:147:A:ALA:H	19	0.5
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB1	2	0.5
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB2	2	0.5
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB3	2	0.5
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB1	18	0.5
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB2	18	0.5
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB3	18	0.5
(1,536)	1:42:A:LEU:HD11	1:138:A:PHE:H	20	0.5
(1,536)	1:42:A:LEU:HD12	1:138:A:PHE:H	20	0.5
(1,536)	1:42:A:LEU:HD13	1:138:A:PHE:H	20	0.5
(1,475)	1:102:A:GLN:HB3	1:136:A:ARG:HG2	14	0.5
(1,475)	1:102:A:GLN:HB3	1:136:A:ARG:HG3	14	0.5
(1,425)	1:74:A:LEU:HD21	1:153:A:THR:HB	17	0.5
(1,425)	1:74:A:LEU:HD22	1:153:A:THR:HB	17	0.5
(1,425)	1:74:A:LEU:HD23	1:153:A:THR:HB	17	0.5
(1,409)	1:158:A:TYR:HB3	1:159:A:GLN:H	8	0.5
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD11	1	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD12	1	0.5
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD13	1	0.5
(1,373)	1:78:A:ILE:HD11	1:100:A:GLY:HA2	18	0.5
(1,373)	1:78:A:ILE:HD12	1:100:A:GLY:HA2	18	0.5
(1,373)	1:78:A:ILE:HD13	1:100:A:GLY:HA2	18	0.5
(1,336)	1:18:A:ASN:HA	1:19:A:ALA:H	3	0.5
(1,330)	1:131:A:ILE:HG21	1:133:A:PHE:HB2	3	0.5
(1,330)	1:131:A:ILE:HG22	1:133:A:PHE:HB2	3	0.5
(1,330)	1:131:A:ILE:HG23	1:133:A:PHE:HB2	3	0.5
(1,330)	1:131:A:ILE:HG21	1:133:A:PHE:HB2	8	0.5
(1,330)	1:131:A:ILE:HG22	1:133:A:PHE:HB2	8	0.5
(1,330)	1:131:A:ILE:HG23	1:133:A:PHE:HB2	8	0.5
(1,307)	1:158:A:TYR:HA	1:159:A:GLN:H	3	0.5
(1,307)	1:158:A:TYR:HA	1:159:A:GLN:H	6	0.5
(1,307)	1:158:A:TYR:HA	1:159:A:GLN:H	12	0.5
(1,285)	1:96:A:ALA:HB1	1:144:A:THR:HB	13	0.5
(1,285)	1:96:A:ALA:HB2	1:144:A:THR:HB	13	0.5
(1,285)	1:96:A:ALA:HB3	1:144:A:THR:HB	13	0.5
(1,241)	1:6:A:ASN:HA	1:146:A:GLY:H	14	0.5
(1,241)	1:6:A:ASN:HA	1:146:A:GLY:H	20	0.5
(1,229)	1:22:A:ALA:HA	1:58:A:LEU:HB3	16	0.5
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG21	18	0.5
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG22	18	0.5
(1,198)	1:155:A:LYS:HB2	1:156:A:VAL:HG23	18	0.5
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG21	2	0.5
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG22	2	0.5
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG23	2	0.5
(1,142)	1:148:A:ALA:H	1:149:A:ASN:HB3	1	0.5
(1,142)	1:148:A:ALA:H	1:149:A:ASN:HB3	6	0.5
(1,139)	1:95:A:SER:H	1:147:A:ALA:H	6	0.5
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB1	7	0.5
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB2	7	0.5
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB3	7	0.5
(1,54)	1:74:A:LEU:HG	1:152:A:ALA:HA	5	0.5
(1,54)	1:74:A:LEU:HG	1:152:A:ALA:HA	20	0.5
(1,39)	1:100:A:GLY:H	1:139:A:ALA:H	20	0.5
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB1	6	0.5
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB2	6	0.5
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB3	6	0.5
(1,3402)	1:100:A:GLY:HA3	1:102:A:GLN:HG2	3	0.49
(1,3402)	1:100:A:GLY:HA3	1:102:A:GLN:HG3	3	0.49
(1,3402)	1:100:A:GLY:HA3	1:102:A:GLN:HG2	14	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3402)	1:100:A:GLY:HA3	1:102:A:GLN:HG3	14	0.49
(1,3402)	1:100:A:GLY:HA3	1:102:A:GLN:HG2	16	0.49
(1,3402)	1:100:A:GLY:HA3	1:102:A:GLN:HG3	16	0.49
(1,3391)	1:99:A:VAL:HG11	1:137:A:TYR:HD1	19	0.49
(1,3391)	1:99:A:VAL:HG11	1:137:A:TYR:HD2	19	0.49
(1,3391)	1:99:A:VAL:HG12	1:137:A:TYR:HD1	19	0.49
(1,3391)	1:99:A:VAL:HG12	1:137:A:TYR:HD2	19	0.49
(1,3391)	1:99:A:VAL:HG13	1:137:A:TYR:HD1	19	0.49
(1,3391)	1:99:A:VAL:HG13	1:137:A:TYR:HD2	19	0.49
(1,3391)	1:99:A:VAL:HG21	1:137:A:TYR:HD1	19	0.49
(1,3391)	1:99:A:VAL:HG21	1:137:A:TYR:HD2	19	0.49
(1,3391)	1:99:A:VAL:HG22	1:137:A:TYR:HD1	19	0.49
(1,3391)	1:99:A:VAL:HG22	1:137:A:TYR:HD2	19	0.49
(1,3391)	1:99:A:VAL:HG23	1:137:A:TYR:HD1	19	0.49
(1,3391)	1:99:A:VAL:HG23	1:137:A:TYR:HD2	19	0.49
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB1	7	0.49
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB2	7	0.49
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB3	7	0.49
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB1	7	0.49
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB2	7	0.49
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB3	7	0.49
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB1	7	0.49
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB2	7	0.49
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB3	7	0.49
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB1	7	0.49
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB2	7	0.49
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB3	7	0.49
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB1	7	0.49
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB2	7	0.49
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB3	7	0.49
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB1	7	0.49
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB2	7	0.49
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB3	7	0.49
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB1	9	0.49
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB2	9	0.49
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB3	9	0.49
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB1	9	0.49
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB2	9	0.49
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB3	9	0.49
(1,3024)	1:34:A:LEU:HD11	1:150:A:ALA:H	12	0.49
(1,3024)	1:34:A:LEU:HD12	1:150:A:ALA:H	12	0.49
(1,3024)	1:34:A:LEU:HD13	1:150:A:ALA:H	12	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3024)	1:34:A:LEU:HD21	1:150:A:ALA:H	12	0.49
(1,3024)	1:34:A:LEU:HD22	1:150:A:ALA:H	12	0.49
(1,3024)	1:34:A:LEU:HD23	1:150:A:ALA:H	12	0.49
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG11	15	0.49
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG12	15	0.49
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG13	15	0.49
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG11	15	0.49
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG12	15	0.49
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG13	15	0.49
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG11	15	0.49
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG12	15	0.49
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG13	15	0.49
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG11	15	0.49
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG12	15	0.49
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG13	15	0.49
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG11	15	0.49
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG12	15	0.49
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG13	15	0.49
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG11	15	0.49
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG12	15	0.49
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG13	15	0.49
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG11	3	0.49
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG12	3	0.49
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG13	3	0.49
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG21	3	0.49
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG22	3	0.49
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG23	3	0.49
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG11	12	0.49
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG12	12	0.49
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG13	12	0.49
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG21	12	0.49
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG22	12	0.49
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG23	12	0.49
(1,2778)	1:99:A:VAL:HG11	1:137:A:TYR:HE1	15	0.49
(1,2778)	1:99:A:VAL:HG11	1:137:A:TYR:HE2	15	0.49
(1,2778)	1:99:A:VAL:HG12	1:137:A:TYR:HE1	15	0.49
(1,2778)	1:99:A:VAL:HG12	1:137:A:TYR:HE2	15	0.49
(1,2778)	1:99:A:VAL:HG13	1:137:A:TYR:HE1	15	0.49
(1,2778)	1:99:A:VAL:HG13	1:137:A:TYR:HE2	15	0.49
(1,2705)	1:86:A:LEU:HD21	1:101:A:VAL:H	20	0.49
(1,2705)	1:86:A:LEU:HD22	1:101:A:VAL:H	20	0.49
(1,2705)	1:86:A:LEU:HD23	1:101:A:VAL:H	20	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2503)	1:5:A:VAL:HG21	1:39:A:THR:HA	5	0.49
(1,2503)	1:5:A:VAL:HG22	1:39:A:THR:HA	5	0.49
(1,2503)	1:5:A:VAL:HG23	1:39:A:THR:HA	5	0.49
(1,2503)	1:5:A:VAL:HG21	1:39:A:THR:HA	17	0.49
(1,2503)	1:5:A:VAL:HG22	1:39:A:THR:HA	17	0.49
(1,2503)	1:5:A:VAL:HG23	1:39:A:THR:HA	17	0.49
(1,2403)	1:45:A:GLU:HB3	1:141:A:GLY:H	2	0.49
(1,2242)	1:20:A:ALA:HB1	1:158:A:TYR:HA	4	0.49
(1,2242)	1:20:A:ALA:HB2	1:158:A:TYR:HA	4	0.49
(1,2242)	1:20:A:ALA:HB3	1:158:A:TYR:HA	4	0.49
(1,2229)	1:18:A:ASN:H	1:18:A:ASN:HD21	1	0.49
(1,2191)	1:149:A:ASN:HD21	1:150:A:ALA:H	18	0.49
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB1	14	0.49
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB2	14	0.49
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB3	14	0.49
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB1	11	0.49
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB2	11	0.49
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB3	11	0.49
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE1	19	0.49
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE2	19	0.49
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE1	19	0.49
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE2	19	0.49
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE1	19	0.49
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE2	19	0.49
(1,1563)	1:12:A:PHE:HB3	1:14:A:GLY:H	8	0.49
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD1	18	0.49
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD2	18	0.49
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD1	18	0.49
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD2	18	0.49
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD1	18	0.49
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD2	18	0.49
(1,1322)	1:4:A:THR:HG21	1:36:A:GLN:HG3	8	0.49
(1,1322)	1:4:A:THR:HG22	1:36:A:GLN:HG3	8	0.49
(1,1322)	1:4:A:THR:HG23	1:36:A:GLN:HG3	8	0.49
(1,1257)	1:158:A:TYR:H	1:158:A:TYR:HB2	6	0.49
(1,1099)	1:48:A:THR:HG21	1:136:A:ARG:HG2	10	0.49
(1,1099)	1:48:A:THR:HG21	1:136:A:ARG:HG3	10	0.49
(1,1099)	1:48:A:THR:HG22	1:136:A:ARG:HG2	10	0.49
(1,1099)	1:48:A:THR:HG22	1:136:A:ARG:HG3	10	0.49
(1,1099)	1:48:A:THR:HG23	1:136:A:ARG:HG2	10	0.49
(1,1099)	1:48:A:THR:HG23	1:136:A:ARG:HG3	10	0.49
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG21	17	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG22	17	0.49
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG23	17	0.49
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG21	10	0.49
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG22	10	0.49
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG23	10	0.49
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG21	10	0.49
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG22	10	0.49
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG23	10	0.49
(1,877)	1:65:A:VAL:HB	1:66:A:ALA:H	1	0.49
(1,875)	1:61:A:CYS:HB2	1:126:A:ASN:HA	14	0.49
(1,834)	1:15:A:GLU:H	1:15:A:GLU:HB3	1	0.49
(1,834)	1:15:A:GLU:H	1:15:A:GLU:HB3	3	0.49
(1,834)	1:15:A:GLU:H	1:15:A:GLU:HB3	9	0.49
(1,834)	1:15:A:GLU:H	1:15:A:GLU:HB3	11	0.49
(1,834)	1:15:A:GLU:H	1:15:A:GLU:HB3	12	0.49
(1,834)	1:15:A:GLU:H	1:15:A:GLU:HB3	13	0.49
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG11	1	0.49
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG12	1	0.49
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG13	1	0.49
(1,620)	1:103:A:ILE:HG21	1:152:A:ALA:HB1	4	0.49
(1,620)	1:103:A:ILE:HG21	1:152:A:ALA:HB2	4	0.49
(1,620)	1:103:A:ILE:HG21	1:152:A:ALA:HB3	4	0.49
(1,620)	1:103:A:ILE:HG22	1:152:A:ALA:HB1	4	0.49
(1,620)	1:103:A:ILE:HG22	1:152:A:ALA:HB2	4	0.49
(1,620)	1:103:A:ILE:HG22	1:152:A:ALA:HB3	4	0.49
(1,620)	1:103:A:ILE:HG23	1:152:A:ALA:HB1	4	0.49
(1,620)	1:103:A:ILE:HG23	1:152:A:ALA:HB2	4	0.49
(1,620)	1:103:A:ILE:HG23	1:152:A:ALA:HB3	4	0.49
(1,571)	1:15:A:GLU:H	1:15:A:GLU:HB2	10	0.49
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB1	5	0.49
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB2	5	0.49
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB3	5	0.49
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB1	16	0.49
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB2	16	0.49
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB3	16	0.49
(1,549)	1:74:A:LEU:HD21	1:155:A:LYS:HE2	1	0.49
(1,549)	1:74:A:LEU:HD21	1:155:A:LYS:HE3	1	0.49
(1,549)	1:74:A:LEU:HD22	1:155:A:LYS:HE2	1	0.49
(1,549)	1:74:A:LEU:HD22	1:155:A:LYS:HE3	1	0.49
(1,549)	1:74:A:LEU:HD23	1:155:A:LYS:HE2	1	0.49
(1,549)	1:74:A:LEU:HD23	1:155:A:LYS:HE3	1	0.49
(1,536)	1:42:A:LEU:HD11	1:138:A:PHE:H	8	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,536)	1:42:A:LEU:HD12	1:138:A:PHE:H	8	0.49
(1,536)	1:42:A:LEU:HD13	1:138:A:PHE:H	8	0.49
(1,536)	1:42:A:LEU:HD11	1:138:A:PHE:H	13	0.49
(1,536)	1:42:A:LEU:HD12	1:138:A:PHE:H	13	0.49
(1,536)	1:42:A:LEU:HD13	1:138:A:PHE:H	13	0.49
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD11	13	0.49
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD12	13	0.49
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD13	13	0.49
(1,359)	1:113:A:LEU:HD11	1:151:A:ASP:H	5	0.49
(1,359)	1:113:A:LEU:HD12	1:151:A:ASP:H	5	0.49
(1,359)	1:113:A:LEU:HD13	1:151:A:ASP:H	5	0.49
(1,359)	1:113:A:LEU:HD21	1:151:A:ASP:H	5	0.49
(1,359)	1:113:A:LEU:HD22	1:151:A:ASP:H	5	0.49
(1,359)	1:113:A:LEU:HD23	1:151:A:ASP:H	5	0.49
(1,336)	1:18:A:ASN:HA	1:19:A:ALA:H	7	0.49
(1,336)	1:18:A:ASN:HA	1:19:A:ALA:H	9	0.49
(1,336)	1:18:A:ASN:HA	1:19:A:ALA:H	19	0.49
(1,330)	1:131:A:ILE:HG21	1:133:A:PHE:HB2	9	0.49
(1,330)	1:131:A:ILE:HG22	1:133:A:PHE:HB2	9	0.49
(1,330)	1:131:A:ILE:HG23	1:133:A:PHE:HB2	9	0.49
(1,293)	1:16:A:VAL:HA	1:155:A:LYS:HA	12	0.49
(1,293)	1:16:A:VAL:HA	1:155:A:LYS:HA	14	0.49
(1,39)	1:100:A:GLY:H	1:139:A:ALA:H	15	0.49
(1,39)	1:100:A:GLY:H	1:139:A:ALA:H	16	0.49
(1,3468)	1:118:A:PHE:HD1	1:157:A:GLN:HG2	12	0.48
(1,3468)	1:118:A:PHE:HD1	1:157:A:GLN:HG3	12	0.48
(1,3468)	1:118:A:PHE:HD2	1:157:A:GLN:HG2	12	0.48
(1,3468)	1:118:A:PHE:HD2	1:157:A:GLN:HG3	12	0.48
(1,3389)	1:99:A:VAL:HG11	1:137:A:TYR:HA	11	0.48
(1,3389)	1:99:A:VAL:HG12	1:137:A:TYR:HA	11	0.48
(1,3389)	1:99:A:VAL:HG13	1:137:A:TYR:HA	11	0.48
(1,3389)	1:99:A:VAL:HG21	1:137:A:TYR:HA	11	0.48
(1,3389)	1:99:A:VAL:HG22	1:137:A:TYR:HA	11	0.48
(1,3389)	1:99:A:VAL:HG23	1:137:A:TYR:HA	11	0.48
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB1	11	0.48
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB2	11	0.48
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB3	11	0.48
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB1	11	0.48
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB2	11	0.48
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB3	11	0.48
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB1	11	0.48
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB2	11	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB3	11	0.48
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB1	11	0.48
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB2	11	0.48
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB3	11	0.48
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB1	11	0.48
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB2	11	0.48
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB3	11	0.48
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB1	11	0.48
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB2	11	0.48
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB3	11	0.48
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB1	7	0.48
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB2	7	0.48
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB3	7	0.48
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB1	7	0.48
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB2	7	0.48
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB3	7	0.48
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD11	2	0.48
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD12	2	0.48
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD13	2	0.48
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD11	2	0.48
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD12	2	0.48
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD13	2	0.48
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD11	2	0.48
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD12	2	0.48
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD13	2	0.48
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD11	2	0.48
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD12	2	0.48
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD13	2	0.48
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD11	2	0.48
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD12	2	0.48
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD13	2	0.48
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD11	2	0.48
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD12	2	0.48
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD13	2	0.48
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG11	8	0.48
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG12	8	0.48
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG13	8	0.48
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG11	8	0.48
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG12	8	0.48
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG13	8	0.48
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG11	8	0.48
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG12	8	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG13	8	0.48
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG11	8	0.48
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG12	8	0.48
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG13	8	0.48
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG11	8	0.48
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG12	8	0.48
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG13	8	0.48
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG11	8	0.48
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG12	8	0.48
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG13	8	0.48
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG11	11	0.48
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG12	11	0.48
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG13	11	0.48
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG11	11	0.48
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG12	11	0.48
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG13	11	0.48
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG11	11	0.48
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG12	11	0.48
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG13	11	0.48
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG11	11	0.48
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG12	11	0.48
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG13	11	0.48
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG11	11	0.48
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG12	11	0.48
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG13	11	0.48
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG11	11	0.48
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG12	11	0.48
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG13	11	0.48
(1,2988)	1:28:A:VAL:HG11	1:154:A:PHE:HE1	7	0.48
(1,2988)	1:28:A:VAL:HG11	1:154:A:PHE:HE2	7	0.48
(1,2988)	1:28:A:VAL:HG12	1:154:A:PHE:HE1	7	0.48
(1,2988)	1:28:A:VAL:HG12	1:154:A:PHE:HE2	7	0.48
(1,2988)	1:28:A:VAL:HG13	1:154:A:PHE:HE1	7	0.48
(1,2988)	1:28:A:VAL:HG13	1:154:A:PHE:HE2	7	0.48
(1,2988)	1:28:A:VAL:HG21	1:154:A:PHE:HE1	7	0.48
(1,2988)	1:28:A:VAL:HG21	1:154:A:PHE:HE2	7	0.48
(1,2988)	1:28:A:VAL:HG22	1:154:A:PHE:HE1	7	0.48
(1,2988)	1:28:A:VAL:HG22	1:154:A:PHE:HE2	7	0.48
(1,2988)	1:28:A:VAL:HG23	1:154:A:PHE:HE1	7	0.48
(1,2988)	1:28:A:VAL:HG23	1:154:A:PHE:HE2	7	0.48
(1,2800)	1:4:A:THR:HG21	1:36:A:GLN:HE21	20	0.48
(1,2800)	1:4:A:THR:HG21	1:36:A:GLN:HE22	20	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2800)	1:4:A:THR:HG22	1:36:A:GLN:HE21	20	0.48
(1,2800)	1:4:A:THR:HG22	1:36:A:GLN:HE22	20	0.48
(1,2800)	1:4:A:THR:HG23	1:36:A:GLN:HE21	20	0.48
(1,2800)	1:4:A:THR:HG23	1:36:A:GLN:HE22	20	0.48
(1,2792)	1:9:A:THR:HG21	1:32:A:VAL:H	6	0.48
(1,2792)	1:9:A:THR:HG22	1:32:A:VAL:H	6	0.48
(1,2792)	1:9:A:THR:HG23	1:32:A:VAL:H	6	0.48
(1,2790)	1:9:A:THR:HA	1:34:A:LEU:HG	15	0.48
(1,2778)	1:99:A:VAL:HG11	1:137:A:TYR:HE1	4	0.48
(1,2778)	1:99:A:VAL:HG11	1:137:A:TYR:HE2	4	0.48
(1,2778)	1:99:A:VAL:HG12	1:137:A:TYR:HE1	4	0.48
(1,2778)	1:99:A:VAL:HG12	1:137:A:TYR:HE2	4	0.48
(1,2778)	1:99:A:VAL:HG13	1:137:A:TYR:HE1	4	0.48
(1,2778)	1:99:A:VAL:HG13	1:137:A:TYR:HE2	4	0.48
(1,2709)	1:87:A:ALA:HA	1:88:A:LEU:HG	3	0.48
(1,2705)	1:86:A:LEU:HD21	1:101:A:VAL:H	5	0.48
(1,2705)	1:86:A:LEU:HD22	1:101:A:VAL:H	5	0.48
(1,2705)	1:86:A:LEU:HD23	1:101:A:VAL:H	5	0.48
(1,2705)	1:86:A:LEU:HD21	1:101:A:VAL:H	6	0.48
(1,2705)	1:86:A:LEU:HD22	1:101:A:VAL:H	6	0.48
(1,2705)	1:86:A:LEU:HD23	1:101:A:VAL:H	6	0.48
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG21	2	0.48
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG22	2	0.48
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG23	2	0.48
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG21	4	0.48
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG22	4	0.48
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG23	4	0.48
(1,2503)	1:5:A:VAL:HG21	1:39:A:THR:HA	1	0.48
(1,2503)	1:5:A:VAL:HG22	1:39:A:THR:HA	1	0.48
(1,2503)	1:5:A:VAL:HG23	1:39:A:THR:HA	1	0.48
(1,2503)	1:5:A:VAL:HG21	1:39:A:THR:HA	13	0.48
(1,2503)	1:5:A:VAL:HG22	1:39:A:THR:HA	13	0.48
(1,2503)	1:5:A:VAL:HG23	1:39:A:THR:HA	13	0.48
(1,2503)	1:5:A:VAL:HG21	1:39:A:THR:HA	14	0.48
(1,2503)	1:5:A:VAL:HG22	1:39:A:THR:HA	14	0.48
(1,2503)	1:5:A:VAL:HG23	1:39:A:THR:HA	14	0.48
(1,2403)	1:45:A:GLU:HB3	1:141:A:GLY:H	16	0.48
(1,2357)	1:3:A:THR:HB	1:4:A:THR:H	8	0.48
(1,2242)	1:20:A:ALA:HB1	1:158:A:TYR:HA	6	0.48
(1,2242)	1:20:A:ALA:HB2	1:158:A:TYR:HA	6	0.48
(1,2242)	1:20:A:ALA:HB3	1:158:A:TYR:HA	6	0.48
(1,2229)	1:18:A:ASN:H	1:18:A:ASN:HD21	2	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD1	2	0.48
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD2	2	0.48
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD1	2	0.48
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD2	2	0.48
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD1	2	0.48
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD2	2	0.48
(1,1688)	1:34:A:LEU:HD21	1:136:A:ARG:H	8	0.48
(1,1688)	1:34:A:LEU:HD22	1:136:A:ARG:H	8	0.48
(1,1688)	1:34:A:LEU:HD23	1:136:A:ARG:H	8	0.48
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE1	14	0.48
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE2	14	0.48
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE1	14	0.48
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE2	14	0.48
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE1	14	0.48
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE2	14	0.48
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE1	18	0.48
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE2	18	0.48
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE1	18	0.48
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE2	18	0.48
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE1	18	0.48
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE2	18	0.48
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD1	17	0.48
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD2	17	0.48
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD1	17	0.48
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD2	17	0.48
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD1	17	0.48
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD2	17	0.48
(1,1396)	1:7:A:GLY:HA3	1:37:A:VAL:H	20	0.48
(1,1284)	1:29:A:ASP:H	1:30:A:GLN:HE21	16	0.48
(1,1280)	1:27:A:SER:H	1:28:A:VAL:HB	4	0.48
(1,1257)	1:158:A:TYR:H	1:158:A:TYR:HB2	18	0.48
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD1	10	0.48
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD2	10	0.48
(1,877)	1:65:A:VAL:HB	1:66:A:ALA:H	17	0.48
(1,866)	1:56:A:ILE:H	1:133:A:PHE:HB2	17	0.48
(1,834)	1:15:A:GLU:H	1:15:A:GLU:HB3	5	0.48
(1,834)	1:15:A:GLU:H	1:15:A:GLU:HB3	20	0.48
(1,818)	1:12:A:PHE:H	1:30:A:GLN:HG3	7	0.48
(1,774)	1:8:A:GLY:H	1:148:A:ALA:H	10	0.48
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG11	16	0.48
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG12	16	0.48
(1,693)	1:10:A:VAL:HB	1:101:A:VAL:HG13	16	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,571)	1:15:A:GLU:H	1:15:A:GLU:HB2	3	0.48
(1,571)	1:15:A:GLU:H	1:15:A:GLU:HB2	7	0.48
(1,571)	1:15:A:GLU:H	1:15:A:GLU:HB2	11	0.48
(1,571)	1:15:A:GLU:H	1:15:A:GLU:HB2	16	0.48
(1,536)	1:42:A:LEU:HD11	1:138:A:PHE:H	12	0.48
(1,536)	1:42:A:LEU:HD12	1:138:A:PHE:H	12	0.48
(1,536)	1:42:A:LEU:HD13	1:138:A:PHE:H	12	0.48
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD2	2	0.48
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD3	2	0.48
(1,509)	1:70:A:ALA:HA	1:71:A:VAL:HB	1	0.48
(1,509)	1:70:A:ALA:HA	1:71:A:VAL:HB	16	0.48
(1,389)	1:20:A:ALA:HB1	1:66:A:ALA:H	4	0.48
(1,389)	1:20:A:ALA:HB2	1:66:A:ALA:H	4	0.48
(1,389)	1:20:A:ALA:HB3	1:66:A:ALA:H	4	0.48
(1,389)	1:20:A:ALA:HB1	1:66:A:ALA:H	7	0.48
(1,389)	1:20:A:ALA:HB2	1:66:A:ALA:H	7	0.48
(1,389)	1:20:A:ALA:HB3	1:66:A:ALA:H	7	0.48
(1,389)	1:20:A:ALA:HB1	1:66:A:ALA:H	16	0.48
(1,389)	1:20:A:ALA:HB2	1:66:A:ALA:H	16	0.48
(1,389)	1:20:A:ALA:HB3	1:66:A:ALA:H	16	0.48
(1,351)	1:92:A:ALA:HA	1:95:A:SER:HB2	16	0.48
(1,351)	1:92:A:ALA:HA	1:95:A:SER:HB3	16	0.48
(1,350)	1:90:A:SER:HA	1:93:A:ALA:H	13	0.48
(1,336)	1:18:A:ASN:HA	1:19:A:ALA:H	10	0.48
(1,330)	1:131:A:ILE:HG21	1:133:A:PHE:HB2	20	0.48
(1,330)	1:131:A:ILE:HG22	1:133:A:PHE:HB2	20	0.48
(1,330)	1:131:A:ILE:HG23	1:133:A:PHE:HB2	20	0.48
(1,307)	1:158:A:TYR:HA	1:159:A:GLN:H	4	0.48
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG21	11	0.48
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG22	11	0.48
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG23	11	0.48
(1,293)	1:16:A:VAL:HA	1:155:A:LYS:HA	3	0.48
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD21	13	0.48
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD22	13	0.48
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD23	13	0.48
(1,220)	1:70:A:ALA:H	1:121:A:GLU:HA	16	0.48
(1,220)	1:70:A:ALA:H	1:121:A:GLU:HA	20	0.48
(1,200)	1:32:A:VAL:HA	1:34:A:LEU:H	1	0.48
(1,200)	1:32:A:VAL:HA	1:34:A:LEU:H	19	0.48
(1,181)	1:74:A:LEU:HG	1:115:A:GLY:HA2	17	0.48
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG21	9	0.48
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG22	9	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG23	9	0.48
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG21	16	0.48
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG22	16	0.48
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG23	16	0.48
(1,152)	1:14:A:GLY:H	1:154:A:PHE:HD1	10	0.48
(1,152)	1:14:A:GLY:H	1:154:A:PHE:HD2	10	0.48
(1,152)	1:14:A:GLY:H	1:154:A:PHE:HD1	14	0.48
(1,152)	1:14:A:GLY:H	1:154:A:PHE:HD2	14	0.48
(1,139)	1:95:A:SER:H	1:147:A:ALA:H	4	0.48
(1,76)	1:69:A:ALA:HA	1:159:A:GLN:H	1	0.48
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG11	17	0.48
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG12	17	0.48
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG13	17	0.48
(1,50)	1:24:A:ASP:H	1:28:A:VAL:H	12	0.48
(1,39)	1:100:A:GLY:H	1:139:A:ALA:H	10	0.48
(1,14)	1:115:A:GLY:HA2	1:155:A:LYS:HD2	16	0.48
(1,14)	1:115:A:GLY:HA2	1:155:A:LYS:HD3	16	0.48
(1,3391)	1:99:A:VAL:HG11	1:137:A:TYR:HD1	5	0.47
(1,3391)	1:99:A:VAL:HG11	1:137:A:TYR:HD2	5	0.47
(1,3391)	1:99:A:VAL:HG12	1:137:A:TYR:HD1	5	0.47
(1,3391)	1:99:A:VAL:HG12	1:137:A:TYR:HD2	5	0.47
(1,3391)	1:99:A:VAL:HG13	1:137:A:TYR:HD1	5	0.47
(1,3391)	1:99:A:VAL:HG13	1:137:A:TYR:HD2	5	0.47
(1,3391)	1:99:A:VAL:HG21	1:137:A:TYR:HD1	5	0.47
(1,3391)	1:99:A:VAL:HG21	1:137:A:TYR:HD2	5	0.47
(1,3391)	1:99:A:VAL:HG22	1:137:A:TYR:HD1	5	0.47
(1,3391)	1:99:A:VAL:HG22	1:137:A:TYR:HD2	5	0.47
(1,3391)	1:99:A:VAL:HG23	1:137:A:TYR:HD1	5	0.47
(1,3391)	1:99:A:VAL:HG23	1:137:A:TYR:HD2	5	0.47
(1,3389)	1:99:A:VAL:HG11	1:137:A:TYR:HA	8	0.47
(1,3389)	1:99:A:VAL:HG12	1:137:A:TYR:HA	8	0.47
(1,3389)	1:99:A:VAL:HG13	1:137:A:TYR:HA	8	0.47
(1,3389)	1:99:A:VAL:HG21	1:137:A:TYR:HA	8	0.47
(1,3389)	1:99:A:VAL:HG22	1:137:A:TYR:HA	8	0.47
(1,3389)	1:99:A:VAL:HG23	1:137:A:TYR:HA	8	0.47
(1,3389)	1:99:A:VAL:HG11	1:137:A:TYR:HA	19	0.47
(1,3389)	1:99:A:VAL:HG12	1:137:A:TYR:HA	19	0.47
(1,3389)	1:99:A:VAL:HG13	1:137:A:TYR:HA	19	0.47
(1,3389)	1:99:A:VAL:HG21	1:137:A:TYR:HA	19	0.47
(1,3389)	1:99:A:VAL:HG22	1:137:A:TYR:HA	19	0.47
(1,3389)	1:99:A:VAL:HG23	1:137:A:TYR:HA	19	0.47
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG11	4	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG12	4	0.47
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG13	4	0.47
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG21	4	0.47
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG22	4	0.47
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG23	4	0.47
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB1	1	0.47
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB2	1	0.47
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB3	1	0.47
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB1	1	0.47
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB2	1	0.47
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB3	1	0.47
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB1	8	0.47
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB2	8	0.47
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB3	8	0.47
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB1	8	0.47
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB2	8	0.47
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB3	8	0.47
(1,3169)	1:57:A:GLN:HE21	1:128:A:THR:HG21	1	0.47
(1,3169)	1:57:A:GLN:HE21	1:128:A:THR:HG22	1	0.47
(1,3169)	1:57:A:GLN:HE21	1:128:A:THR:HG23	1	0.47
(1,3169)	1:57:A:GLN:HE22	1:128:A:THR:HG21	1	0.47
(1,3169)	1:57:A:GLN:HE22	1:128:A:THR:HG22	1	0.47
(1,3169)	1:57:A:GLN:HE22	1:128:A:THR:HG23	1	0.47
(1,3024)	1:34:A:LEU:HD11	1:150:A:ALA:H	3	0.47
(1,3024)	1:34:A:LEU:HD12	1:150:A:ALA:H	3	0.47
(1,3024)	1:34:A:LEU:HD13	1:150:A:ALA:H	3	0.47
(1,3024)	1:34:A:LEU:HD21	1:150:A:ALA:H	3	0.47
(1,3024)	1:34:A:LEU:HD22	1:150:A:ALA:H	3	0.47
(1,3024)	1:34:A:LEU:HD23	1:150:A:ALA:H	3	0.47
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG11	3	0.47
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG12	3	0.47
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG13	3	0.47
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG11	3	0.47
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG12	3	0.47
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG13	3	0.47
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG11	3	0.47
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG12	3	0.47
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG13	3	0.47
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG11	3	0.47
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG12	3	0.47
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG13	3	0.47
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG11	3	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG12	3	0.47
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG13	3	0.47
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG11	3	0.47
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG12	3	0.47
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG13	3	0.47
(1,2903)	1:16:A:VAL:HG11	1:23:A:VAL:H	19	0.47
(1,2903)	1:16:A:VAL:HG12	1:23:A:VAL:H	19	0.47
(1,2903)	1:16:A:VAL:HG13	1:23:A:VAL:H	19	0.47
(1,2903)	1:16:A:VAL:HG21	1:23:A:VAL:H	19	0.47
(1,2903)	1:16:A:VAL:HG22	1:23:A:VAL:H	19	0.47
(1,2903)	1:16:A:VAL:HG23	1:23:A:VAL:H	19	0.47
(1,2792)	1:9:A:THR:HG21	1:32:A:VAL:H	5	0.47
(1,2792)	1:9:A:THR:HG22	1:32:A:VAL:H	5	0.47
(1,2792)	1:9:A:THR:HG23	1:32:A:VAL:H	5	0.47
(1,2778)	1:99:A:VAL:HG11	1:137:A:TYR:HE1	5	0.47
(1,2778)	1:99:A:VAL:HG11	1:137:A:TYR:HE2	5	0.47
(1,2778)	1:99:A:VAL:HG12	1:137:A:TYR:HE1	5	0.47
(1,2778)	1:99:A:VAL:HG12	1:137:A:TYR:HE2	5	0.47
(1,2778)	1:99:A:VAL:HG13	1:137:A:TYR:HE1	5	0.47
(1,2778)	1:99:A:VAL:HG13	1:137:A:TYR:HE2	5	0.47
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG21	10	0.47
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG22	10	0.47
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG23	10	0.47
(1,2357)	1:3:A:THR:HB	1:4:A:THR:H	5	0.47
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE1	4	0.47
(1,2212)	1:156:A:VAL:HG11	1:158:A:TYR:HE2	4	0.47
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE1	4	0.47
(1,2212)	1:156:A:VAL:HG12	1:158:A:TYR:HE2	4	0.47
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE1	4	0.47
(1,2212)	1:156:A:VAL:HG13	1:158:A:TYR:HE2	4	0.47
(1,1963)	1:98:A:ASN:HD22	1:141:A:GLY:HA3	7	0.47
(1,1732)	1:48:A:THR:HB	1:136:A:ARG:HE	14	0.47
(1,1688)	1:34:A:LEU:HD21	1:136:A:ARG:H	13	0.47
(1,1688)	1:34:A:LEU:HD22	1:136:A:ARG:H	13	0.47
(1,1688)	1:34:A:LEU:HD23	1:136:A:ARG:H	13	0.47
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE1	6	0.47
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE2	6	0.47
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE1	6	0.47
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE2	6	0.47
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE1	6	0.47
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE2	6	0.47
(1,1280)	1:27:A:SER:H	1:28:A:VAL:HB	3	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1280)	1:27:A:SER:H	1:28:A:VAL:HB	20	0.47
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB2	1	0.47
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB3	1	0.47
(1,1099)	1:48:A:THR:HG21	1:136:A:ARG:HG2	11	0.47
(1,1099)	1:48:A:THR:HG21	1:136:A:ARG:HG3	11	0.47
(1,1099)	1:48:A:THR:HG22	1:136:A:ARG:HG2	11	0.47
(1,1099)	1:48:A:THR:HG22	1:136:A:ARG:HG3	11	0.47
(1,1099)	1:48:A:THR:HG23	1:136:A:ARG:HG2	11	0.47
(1,1099)	1:48:A:THR:HG23	1:136:A:ARG:HG3	11	0.47
(1,1076)	1:155:A:LYS:HB3	1:156:A:VAL:H	4	0.47
(1,1076)	1:155:A:LYS:HB3	1:156:A:VAL:H	10	0.47
(1,877)	1:65:A:VAL:HB	1:66:A:ALA:H	10	0.47
(1,834)	1:15:A:GLU:H	1:15:A:GLU:HB3	7	0.47
(1,834)	1:15:A:GLU:H	1:15:A:GLU:HB3	8	0.47
(1,834)	1:15:A:GLU:H	1:15:A:GLU:HB3	10	0.47
(1,834)	1:15:A:GLU:H	1:15:A:GLU:HB3	15	0.47
(1,834)	1:15:A:GLU:H	1:15:A:GLU:HB3	16	0.47
(1,834)	1:15:A:GLU:H	1:15:A:GLU:HB3	17	0.47
(1,782)	1:97:A:THR:HA	1:99:A:VAL:HB	13	0.47
(1,762)	1:70:A:ALA:HB1	1:121:A:GLU:HG3	1	0.47
(1,762)	1:70:A:ALA:HB2	1:121:A:GLU:HG3	1	0.47
(1,762)	1:70:A:ALA:HB3	1:121:A:GLU:HG3	1	0.47
(1,762)	1:70:A:ALA:HB1	1:121:A:GLU:HG3	5	0.47
(1,762)	1:70:A:ALA:HB2	1:121:A:GLU:HG3	5	0.47
(1,762)	1:70:A:ALA:HB3	1:121:A:GLU:HG3	5	0.47
(1,759)	1:66:A:ALA:HB1	1:159:A:GLN:H	8	0.47
(1,759)	1:66:A:ALA:HB2	1:159:A:GLN:H	8	0.47
(1,759)	1:66:A:ALA:HB3	1:159:A:GLN:H	8	0.47
(1,615)	1:96:A:ALA:HA	1:147:A:ALA:H	2	0.47
(1,575)	1:18:A:ASN:HD21	1:22:A:ALA:HB1	18	0.47
(1,575)	1:18:A:ASN:HD21	1:22:A:ALA:HB2	18	0.47
(1,575)	1:18:A:ASN:HD21	1:22:A:ALA:HB3	18	0.47
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB1	14	0.47
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB2	14	0.47
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB3	14	0.47
(1,509)	1:70:A:ALA:HA	1:71:A:VAL:HB	4	0.47
(1,509)	1:70:A:ALA:HA	1:71:A:VAL:HB	13	0.47
(1,425)	1:74:A:LEU:HD21	1:153:A:THR:HB	7	0.47
(1,425)	1:74:A:LEU:HD22	1:153:A:THR:HB	7	0.47
(1,425)	1:74:A:LEU:HD23	1:153:A:THR:HB	7	0.47
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG21	18	0.47
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG22	18	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG23	18	0.47
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG21	18	0.47
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG22	18	0.47
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG23	18	0.47
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG21	18	0.47
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG22	18	0.47
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG23	18	0.47
(1,359)	1:113:A:LEU:HD11	1:151:A:ASP:H	3	0.47
(1,359)	1:113:A:LEU:HD12	1:151:A:ASP:H	3	0.47
(1,359)	1:113:A:LEU:HD13	1:151:A:ASP:H	3	0.47
(1,359)	1:113:A:LEU:HD21	1:151:A:ASP:H	3	0.47
(1,359)	1:113:A:LEU:HD22	1:151:A:ASP:H	3	0.47
(1,359)	1:113:A:LEU:HD23	1:151:A:ASP:H	3	0.47
(1,359)	1:113:A:LEU:HD11	1:151:A:ASP:H	4	0.47
(1,359)	1:113:A:LEU:HD12	1:151:A:ASP:H	4	0.47
(1,359)	1:113:A:LEU:HD13	1:151:A:ASP:H	4	0.47
(1,359)	1:113:A:LEU:HD21	1:151:A:ASP:H	4	0.47
(1,359)	1:113:A:LEU:HD22	1:151:A:ASP:H	4	0.47
(1,359)	1:113:A:LEU:HD23	1:151:A:ASP:H	4	0.47
(1,336)	1:18:A:ASN:HA	1:19:A:ALA:H	17	0.47
(1,336)	1:18:A:ASN:HA	1:19:A:ALA:H	20	0.47
(1,330)	1:131:A:ILE:HG21	1:133:A:PHE:HB2	16	0.47
(1,330)	1:131:A:ILE:HG22	1:133:A:PHE:HB2	16	0.47
(1,330)	1:131:A:ILE:HG23	1:133:A:PHE:HB2	16	0.47
(1,307)	1:158:A:TYR:HA	1:159:A:GLN:H	7	0.47
(1,295)	1:39:A:THR:HA	1:42:A:LEU:HG	7	0.47
(1,241)	1:6:A:ASN:HA	1:146:A:GLY:H	11	0.47
(1,241)	1:6:A:ASN:HA	1:146:A:GLY:H	15	0.47
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG21	14	0.47
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG22	14	0.47
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG23	14	0.47
(1,142)	1:148:A:ALA:H	1:149:A:ASN:HB3	20	0.47
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG11	8	0.47
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG12	8	0.47
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG13	8	0.47
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG11	18	0.47
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG12	18	0.47
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG13	18	0.47
(1,54)	1:74:A:LEU:HG	1:152:A:ALA:HA	11	0.47
(1,42)	1:156:A:VAL:HA	1:158:A:TYR:H	5	0.47
(1,39)	1:100:A:GLY:H	1:139:A:ALA:H	3	0.47
(1,39)	1:100:A:GLY:H	1:139:A:ALA:H	4	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,39)	1:100:A:GLY:H	1:139:A:ALA:H	17	0.47
(1,39)	1:100:A:GLY:H	1:139:A:ALA:H	18	0.47
(1,3389)	1:99:A:VAL:HG11	1:137:A:TYR:HA	18	0.46
(1,3389)	1:99:A:VAL:HG12	1:137:A:TYR:HA	18	0.46
(1,3389)	1:99:A:VAL:HG13	1:137:A:TYR:HA	18	0.46
(1,3389)	1:99:A:VAL:HG21	1:137:A:TYR:HA	18	0.46
(1,3389)	1:99:A:VAL:HG22	1:137:A:TYR:HA	18	0.46
(1,3389)	1:99:A:VAL:HG23	1:137:A:TYR:HA	18	0.46
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG11	2	0.46
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG12	2	0.46
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG13	2	0.46
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG21	2	0.46
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG22	2	0.46
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG23	2	0.46
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB1	6	0.46
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB2	6	0.46
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB3	6	0.46
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB1	6	0.46
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB2	6	0.46
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB3	6	0.46
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB1	6	0.46
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB2	6	0.46
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB3	6	0.46
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB1	6	0.46
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB2	6	0.46
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB3	6	0.46
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB1	6	0.46
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB2	6	0.46
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB3	6	0.46
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB1	6	0.46
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB2	6	0.46
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB3	6	0.46
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB1	5	0.46
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB2	5	0.46
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB3	5	0.46
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB1	5	0.46
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB2	5	0.46
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB3	5	0.46
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB1	11	0.46
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB2	11	0.46
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB3	11	0.46
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB1	11	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB2	11	0.46
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB3	11	0.46
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB1	12	0.46
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB2	12	0.46
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB3	12	0.46
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB1	12	0.46
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB2	12	0.46
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB3	12	0.46
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD1	12	0.46
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD2	12	0.46
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD1	12	0.46
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD2	12	0.46
(1,2976)	1:27:A:SER:HB2	1:28:A:VAL:HB	15	0.46
(1,2976)	1:27:A:SER:HB3	1:28:A:VAL:HB	15	0.46
(1,2778)	1:99:A:VAL:HG11	1:137:A:TYR:HE1	14	0.46
(1,2778)	1:99:A:VAL:HG11	1:137:A:TYR:HE2	14	0.46
(1,2778)	1:99:A:VAL:HG12	1:137:A:TYR:HE1	14	0.46
(1,2778)	1:99:A:VAL:HG12	1:137:A:TYR:HE2	14	0.46
(1,2778)	1:99:A:VAL:HG13	1:137:A:TYR:HE1	14	0.46
(1,2778)	1:99:A:VAL:HG13	1:137:A:TYR:HE2	14	0.46
(1,2709)	1:87:A:ALA:HA	1:88:A:LEU:HG	1	0.46
(1,2602)	1:74:A:LEU:HB2	1:153:A:THR:HB	6	0.46
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG21	8	0.46
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG22	8	0.46
(1,2577)	1:72:A:ALA:H	1:156:A:VAL:HG23	8	0.46
(1,2503)	1:5:A:VAL:HG21	1:39:A:THR:HA	15	0.46
(1,2503)	1:5:A:VAL:HG22	1:39:A:THR:HA	15	0.46
(1,2503)	1:5:A:VAL:HG23	1:39:A:THR:HA	15	0.46
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG21	8	0.46
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG22	8	0.46
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG23	8	0.46
(1,2310)	1:32:A:VAL:HG11	1:135:A:ALA:H	3	0.46
(1,2310)	1:32:A:VAL:HG12	1:135:A:ALA:H	3	0.46
(1,2310)	1:32:A:VAL:HG13	1:135:A:ALA:H	3	0.46
(1,2242)	1:20:A:ALA:HB1	1:158:A:TYR:HA	1	0.46
(1,2242)	1:20:A:ALA:HB2	1:158:A:TYR:HA	1	0.46
(1,2242)	1:20:A:ALA:HB3	1:158:A:TYR:HA	1	0.46
(1,2242)	1:20:A:ALA:HB1	1:158:A:TYR:HA	3	0.46
(1,2242)	1:20:A:ALA:HB2	1:158:A:TYR:HA	3	0.46
(1,2242)	1:20:A:ALA:HB3	1:158:A:TYR:HA	3	0.46
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB1	15	0.46
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB2	15	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB3	15	0.46
(1,1945)	1:97:A:THR:H	1:143:A:ALA:HA	16	0.46
(1,1885)	1:79:A:ASP:H	1:81:A:GLY:H	1	0.46
(1,1688)	1:34:A:LEU:HD21	1:136:A:ARG:H	7	0.46
(1,1688)	1:34:A:LEU:HD22	1:136:A:ARG:H	7	0.46
(1,1688)	1:34:A:LEU:HD23	1:136:A:ARG:H	7	0.46
(1,1377)	1:74:A:LEU:HB3	1:153:A:THR:HB	12	0.46
(1,1377)	1:74:A:LEU:HB3	1:153:A:THR:HB	14	0.46
(1,1322)	1:4:A:THR:HG21	1:36:A:GLN:HG3	7	0.46
(1,1322)	1:4:A:THR:HG22	1:36:A:GLN:HG3	7	0.46
(1,1322)	1:4:A:THR:HG23	1:36:A:GLN:HG3	7	0.46
(1,1289)	1:32:A:VAL:HG21	1:55:A:ASN:H	13	0.46
(1,1289)	1:32:A:VAL:HG22	1:55:A:ASN:H	13	0.46
(1,1289)	1:32:A:VAL:HG23	1:55:A:ASN:H	13	0.46
(1,1284)	1:29:A:ASP:H	1:30:A:GLN:HE21	5	0.46
(1,1280)	1:27:A:SER:H	1:28:A:VAL:HB	6	0.46
(1,1280)	1:27:A:SER:H	1:28:A:VAL:HB	18	0.46
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG21	2	0.46
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG22	2	0.46
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG23	2	0.46
(1,1076)	1:155:A:LYS:HB3	1:156:A:VAL:H	8	0.46
(1,980)	1:50:A:SER:H	1:137:A:TYR:HD1	14	0.46
(1,980)	1:50:A:SER:H	1:137:A:TYR:HD2	14	0.46
(1,909)	1:95:A:SER:HA	1:149:A:ASN:H	9	0.46
(1,774)	1:8:A:GLY:H	1:148:A:ALA:H	2	0.46
(1,774)	1:8:A:GLY:H	1:148:A:ALA:H	7	0.46
(1,770)	1:79:A:ASP:HB2	1:81:A:GLY:H	18	0.46
(1,762)	1:70:A:ALA:HB1	1:121:A:GLU:HG3	9	0.46
(1,762)	1:70:A:ALA:HB2	1:121:A:GLU:HG3	9	0.46
(1,762)	1:70:A:ALA:HB3	1:121:A:GLU:HG3	9	0.46
(1,737)	1:32:A:VAL:HG11	1:34:A:LEU:HA	18	0.46
(1,737)	1:32:A:VAL:HG12	1:34:A:LEU:HA	18	0.46
(1,737)	1:32:A:VAL:HG13	1:34:A:LEU:HA	18	0.46
(1,620)	1:103:A:ILE:HG21	1:152:A:ALA:HB1	10	0.46
(1,620)	1:103:A:ILE:HG21	1:152:A:ALA:HB2	10	0.46
(1,620)	1:103:A:ILE:HG21	1:152:A:ALA:HB3	10	0.46
(1,620)	1:103:A:ILE:HG22	1:152:A:ALA:HB1	10	0.46
(1,620)	1:103:A:ILE:HG22	1:152:A:ALA:HB2	10	0.46
(1,620)	1:103:A:ILE:HG22	1:152:A:ALA:HB3	10	0.46
(1,620)	1:103:A:ILE:HG23	1:152:A:ALA:HB1	10	0.46
(1,620)	1:103:A:ILE:HG23	1:152:A:ALA:HB2	10	0.46
(1,620)	1:103:A:ILE:HG23	1:152:A:ALA:HB3	10	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,536)	1:42:A:LEU:HD11	1:138:A:PHE:H	16	0.46
(1,536)	1:42:A:LEU:HD12	1:138:A:PHE:H	16	0.46
(1,536)	1:42:A:LEU:HD13	1:138:A:PHE:H	16	0.46
(1,509)	1:70:A:ALA:HA	1:71:A:VAL:HB	3	0.46
(1,509)	1:70:A:ALA:HA	1:71:A:VAL:HB	6	0.46
(1,509)	1:70:A:ALA:HA	1:71:A:VAL:HB	9	0.46
(1,489)	1:14:A:GLY:HA2	1:153:A:THR:HA	6	0.46
(1,425)	1:74:A:LEU:HD21	1:153:A:THR:HB	19	0.46
(1,425)	1:74:A:LEU:HD22	1:153:A:THR:HB	19	0.46
(1,425)	1:74:A:LEU:HD23	1:153:A:THR:HB	19	0.46
(1,373)	1:78:A:ILE:HD11	1:100:A:GLY:HA2	10	0.46
(1,373)	1:78:A:ILE:HD12	1:100:A:GLY:HA2	10	0.46
(1,373)	1:78:A:ILE:HD13	1:100:A:GLY:HA2	10	0.46
(1,351)	1:92:A:ALA:HA	1:95:A:SER:HB2	7	0.46
(1,351)	1:92:A:ALA:HA	1:95:A:SER:HB3	7	0.46
(1,336)	1:18:A:ASN:HA	1:19:A:ALA:H	6	0.46
(1,307)	1:158:A:TYR:HA	1:159:A:GLN:H	5	0.46
(1,293)	1:16:A:VAL:HA	1:155:A:LYS:HA	1	0.46
(1,285)	1:96:A:ALA:HB1	1:144:A:THR:HB	3	0.46
(1,285)	1:96:A:ALA:HB2	1:144:A:THR:HB	3	0.46
(1,285)	1:96:A:ALA:HB3	1:144:A:THR:HB	3	0.46
(1,228)	1:18:A:ASN:HA	1:158:A:TYR:HE1	7	0.46
(1,228)	1:18:A:ASN:HA	1:158:A:TYR:HE2	7	0.46
(1,200)	1:32:A:VAL:HA	1:34:A:LEU:H	4	0.46
(1,200)	1:32:A:VAL:HA	1:34:A:LEU:H	10	0.46
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG21	18	0.46
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG22	18	0.46
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG23	18	0.46
(1,152)	1:14:A:GLY:H	1:154:A:PHE:HD1	4	0.46
(1,152)	1:14:A:GLY:H	1:154:A:PHE:HD2	4	0.46
(1,152)	1:14:A:GLY:H	1:154:A:PHE:HD1	17	0.46
(1,152)	1:14:A:GLY:H	1:154:A:PHE:HD2	17	0.46
(1,152)	1:14:A:GLY:H	1:154:A:PHE:HD1	19	0.46
(1,152)	1:14:A:GLY:H	1:154:A:PHE:HD2	19	0.46
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG21	16	0.46
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG22	16	0.46
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG23	16	0.46
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG21	16	0.46
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG22	16	0.46
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG23	16	0.46
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG21	16	0.46
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG22	16	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG23	16	0.46
(1,79)	1:125:A:ASN:HD21	1:129:A:ASN:HD22	15	0.46
(1,63)	1:20:A:ALA:HB1	1:63:A:THR:H	16	0.46
(1,63)	1:20:A:ALA:HB2	1:63:A:THR:H	16	0.46
(1,63)	1:20:A:ALA:HB3	1:63:A:THR:H	16	0.46
(1,54)	1:74:A:LEU:HG	1:152:A:ALA:HA	17	0.46
(1,42)	1:156:A:VAL:HA	1:158:A:TYR:H	11	0.46
(1,39)	1:100:A:GLY:H	1:139:A:ALA:H	8	0.46
(1,36)	1:137:A:TYR:HD1	1:148:A:ALA:HA	10	0.46
(1,36)	1:137:A:TYR:HD2	1:148:A:ALA:HA	10	0.46
(1,3391)	1:99:A:VAL:HG11	1:137:A:TYR:HD1	8	0.45
(1,3391)	1:99:A:VAL:HG11	1:137:A:TYR:HD2	8	0.45
(1,3391)	1:99:A:VAL:HG12	1:137:A:TYR:HD1	8	0.45
(1,3391)	1:99:A:VAL:HG12	1:137:A:TYR:HD2	8	0.45
(1,3391)	1:99:A:VAL:HG13	1:137:A:TYR:HD1	8	0.45
(1,3391)	1:99:A:VAL:HG13	1:137:A:TYR:HD2	8	0.45
(1,3391)	1:99:A:VAL:HG21	1:137:A:TYR:HD1	8	0.45
(1,3391)	1:99:A:VAL:HG21	1:137:A:TYR:HD2	8	0.45
(1,3391)	1:99:A:VAL:HG22	1:137:A:TYR:HD1	8	0.45
(1,3391)	1:99:A:VAL:HG22	1:137:A:TYR:HD2	8	0.45
(1,3391)	1:99:A:VAL:HG23	1:137:A:TYR:HD1	8	0.45
(1,3391)	1:99:A:VAL:HG23	1:137:A:TYR:HD2	8	0.45
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB1	9	0.45
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB2	9	0.45
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB3	9	0.45
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB1	9	0.45
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB2	9	0.45
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB3	9	0.45
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB1	9	0.45
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB2	9	0.45
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB3	9	0.45
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB1	9	0.45
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB2	9	0.45
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB3	9	0.45
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB1	9	0.45
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB2	9	0.45
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB3	9	0.45
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB1	9	0.45
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB2	9	0.45
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB3	9	0.45
(1,3123)	1:51:A:ALA:HA	1:136:A:ARG:HD2	5	0.45
(1,3123)	1:51:A:ALA:HA	1:136:A:ARG:HD3	5	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG11	6	0.45
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG12	6	0.45
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG13	6	0.45
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG11	6	0.45
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG12	6	0.45
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG13	6	0.45
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG11	6	0.45
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG12	6	0.45
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG13	6	0.45
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG11	6	0.45
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG12	6	0.45
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG13	6	0.45
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG11	6	0.45
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG12	6	0.45
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG13	6	0.45
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG11	6	0.45
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG12	6	0.45
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG13	6	0.45
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG11	7	0.45
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG12	7	0.45
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG13	7	0.45
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG11	7	0.45
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG12	7	0.45
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG13	7	0.45
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG11	7	0.45
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG12	7	0.45
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG13	7	0.45
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG11	7	0.45
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG12	7	0.45
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG13	7	0.45
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG11	7	0.45
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG12	7	0.45
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG13	7	0.45
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG11	7	0.45
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG12	7	0.45
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG13	7	0.45
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG11	14	0.45
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG12	14	0.45
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG13	14	0.45
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG11	14	0.45
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG12	14	0.45
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG13	14	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG11	14	0.45
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG12	14	0.45
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG13	14	0.45
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG11	14	0.45
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG12	14	0.45
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG13	14	0.45
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG11	14	0.45
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG12	14	0.45
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG13	14	0.45
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG11	14	0.45
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG12	14	0.45
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG13	14	0.45
(1,2988)	1:28:A:VAL:HG11	1:154:A:PHE:HE1	16	0.45
(1,2988)	1:28:A:VAL:HG11	1:154:A:PHE:HE2	16	0.45
(1,2988)	1:28:A:VAL:HG12	1:154:A:PHE:HE1	16	0.45
(1,2988)	1:28:A:VAL:HG12	1:154:A:PHE:HE2	16	0.45
(1,2988)	1:28:A:VAL:HG13	1:154:A:PHE:HE1	16	0.45
(1,2988)	1:28:A:VAL:HG13	1:154:A:PHE:HE2	16	0.45
(1,2988)	1:28:A:VAL:HG21	1:154:A:PHE:HE1	16	0.45
(1,2988)	1:28:A:VAL:HG21	1:154:A:PHE:HE2	16	0.45
(1,2988)	1:28:A:VAL:HG22	1:154:A:PHE:HE1	16	0.45
(1,2988)	1:28:A:VAL:HG22	1:154:A:PHE:HE2	16	0.45
(1,2988)	1:28:A:VAL:HG23	1:154:A:PHE:HE1	16	0.45
(1,2988)	1:28:A:VAL:HG23	1:154:A:PHE:HE2	16	0.45
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG11	16	0.45
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG12	16	0.45
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG13	16	0.45
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG21	16	0.45
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG22	16	0.45
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG23	16	0.45
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG11	17	0.45
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG12	17	0.45
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG13	17	0.45
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG21	17	0.45
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG22	17	0.45
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG23	17	0.45
(1,2790)	1:9:A:THR:HA	1:34:A:LEU:HG	13	0.45
(1,2778)	1:99:A:VAL:HG11	1:137:A:TYR:HE1	13	0.45
(1,2778)	1:99:A:VAL:HG11	1:137:A:TYR:HE2	13	0.45
(1,2778)	1:99:A:VAL:HG12	1:137:A:TYR:HE1	13	0.45
(1,2778)	1:99:A:VAL:HG12	1:137:A:TYR:HE2	13	0.45
(1,2778)	1:99:A:VAL:HG13	1:137:A:TYR:HE1	13	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2778)	1:99:A:VAL:HG13	1:137:A:TYR:HE2	13	0.45
(1,2766)	1:98:A:ASN:HD22	1:142:A:ALA:H	6	0.45
(1,2719)	1:89:A:GLN:H	1:89:A:GLN:HE21	12	0.45
(1,2709)	1:87:A:ALA:HA	1:88:A:LEU:HG	15	0.45
(1,2705)	1:86:A:LEU:HD21	1:101:A:VAL:H	10	0.45
(1,2705)	1:86:A:LEU:HD22	1:101:A:VAL:H	10	0.45
(1,2705)	1:86:A:LEU:HD23	1:101:A:VAL:H	10	0.45
(1,2602)	1:74:A:LEU:HB2	1:153:A:THR:HB	20	0.45
(1,2242)	1:20:A:ALA:HB1	1:158:A:TYR:HA	19	0.45
(1,2242)	1:20:A:ALA:HB2	1:158:A:TYR:HA	19	0.45
(1,2242)	1:20:A:ALA:HB3	1:158:A:TYR:HA	19	0.45
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD1	4	0.45
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD2	4	0.45
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD1	4	0.45
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD2	4	0.45
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD1	4	0.45
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD2	4	0.45
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB1	17	0.45
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB2	17	0.45
(1,1936)	1:94:A:GLY:H	1:147:A:ALA:HB3	17	0.45
(1,1280)	1:27:A:SER:H	1:28:A:VAL:HB	9	0.45
(1,1280)	1:27:A:SER:H	1:28:A:VAL:HB	15	0.45
(1,1280)	1:27:A:SER:H	1:28:A:VAL:HB	17	0.45
(1,1085)	1:34:A:LEU:HA	1:52:A:VAL:HB	13	0.45
(1,1076)	1:155:A:LYS:HB3	1:156:A:VAL:H	11	0.45
(1,963)	1:32:A:VAL:HG21	1:54:A:PHE:HA	8	0.45
(1,963)	1:32:A:VAL:HG22	1:54:A:PHE:HA	8	0.45
(1,963)	1:32:A:VAL:HG23	1:54:A:PHE:HA	8	0.45
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG21	3	0.45
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG22	3	0.45
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG23	3	0.45
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG21	3	0.45
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG22	3	0.45
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG23	3	0.45
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG21	8	0.45
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG22	8	0.45
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG23	8	0.45
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG21	8	0.45
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG22	8	0.45
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG23	8	0.45
(1,877)	1:65:A:VAL:HB	1:66:A:ALA:H	6	0.45
(1,770)	1:79:A:ASP:HB2	1:81:A:GLY:H	10	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB1	12	0.45
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB2	12	0.45
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB3	12	0.45
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB1	19	0.45
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB2	19	0.45
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB3	19	0.45
(1,509)	1:70:A:ALA:HA	1:71:A:VAL:HB	7	0.45
(1,509)	1:70:A:ALA:HA	1:71:A:VAL:HB	14	0.45
(1,509)	1:70:A:ALA:HA	1:71:A:VAL:HB	18	0.45
(1,509)	1:70:A:ALA:HA	1:71:A:VAL:HB	20	0.45
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD11	2	0.45
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD12	2	0.45
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD13	2	0.45
(1,389)	1:20:A:ALA:HB1	1:66:A:ALA:H	20	0.45
(1,389)	1:20:A:ALA:HB2	1:66:A:ALA:H	20	0.45
(1,389)	1:20:A:ALA:HB3	1:66:A:ALA:H	20	0.45
(1,359)	1:113:A:LEU:HD11	1:151:A:ASP:H	14	0.45
(1,359)	1:113:A:LEU:HD12	1:151:A:ASP:H	14	0.45
(1,359)	1:113:A:LEU:HD13	1:151:A:ASP:H	14	0.45
(1,359)	1:113:A:LEU:HD21	1:151:A:ASP:H	14	0.45
(1,359)	1:113:A:LEU:HD22	1:151:A:ASP:H	14	0.45
(1,359)	1:113:A:LEU:HD23	1:151:A:ASP:H	14	0.45
(1,307)	1:158:A:TYR:HA	1:159:A:GLN:H	11	0.45
(1,295)	1:39:A:THR:HA	1:42:A:LEU:HG	6	0.45
(1,285)	1:96:A:ALA:HB1	1:144:A:THR:HB	8	0.45
(1,285)	1:96:A:ALA:HB2	1:144:A:THR:HB	8	0.45
(1,285)	1:96:A:ALA:HB3	1:144:A:THR:HB	8	0.45
(1,285)	1:96:A:ALA:HB1	1:144:A:THR:HB	10	0.45
(1,285)	1:96:A:ALA:HB2	1:144:A:THR:HB	10	0.45
(1,285)	1:96:A:ALA:HB3	1:144:A:THR:HB	10	0.45
(1,285)	1:96:A:ALA:HB1	1:144:A:THR:HB	16	0.45
(1,285)	1:96:A:ALA:HB2	1:144:A:THR:HB	16	0.45
(1,285)	1:96:A:ALA:HB3	1:144:A:THR:HB	16	0.45
(1,241)	1:6:A:ASN:HA	1:146:A:GLY:H	16	0.45
(1,81)	1:71:A:VAL:H	1:156:A:VAL:HG11	1	0.45
(1,81)	1:71:A:VAL:H	1:156:A:VAL:HG12	1	0.45
(1,81)	1:71:A:VAL:H	1:156:A:VAL:HG13	1	0.45
(1,79)	1:125:A:ASN:HD21	1:129:A:ASN:HD22	17	0.45
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG11	20	0.45
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG12	20	0.45
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG13	20	0.45
(1,42)	1:156:A:VAL:HA	1:158:A:TYR:H	19	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,39)	1:100:A:GLY:H	1:139:A:ALA:H	13	0.45
(1,3498)	1:159:A:GLN:H	1:159:A:GLN:HG2	11	0.44
(1,3498)	1:159:A:GLN:H	1:159:A:GLN:HG3	11	0.44
(1,3391)	1:99:A:VAL:HG11	1:137:A:TYR:HD1	20	0.44
(1,3391)	1:99:A:VAL:HG11	1:137:A:TYR:HD2	20	0.44
(1,3391)	1:99:A:VAL:HG12	1:137:A:TYR:HD1	20	0.44
(1,3391)	1:99:A:VAL:HG12	1:137:A:TYR:HD2	20	0.44
(1,3391)	1:99:A:VAL:HG13	1:137:A:TYR:HD1	20	0.44
(1,3391)	1:99:A:VAL:HG13	1:137:A:TYR:HD2	20	0.44
(1,3391)	1:99:A:VAL:HG21	1:137:A:TYR:HD1	20	0.44
(1,3391)	1:99:A:VAL:HG21	1:137:A:TYR:HD2	20	0.44
(1,3391)	1:99:A:VAL:HG22	1:137:A:TYR:HD1	20	0.44
(1,3391)	1:99:A:VAL:HG22	1:137:A:TYR:HD2	20	0.44
(1,3391)	1:99:A:VAL:HG23	1:137:A:TYR:HD1	20	0.44
(1,3391)	1:99:A:VAL:HG23	1:137:A:TYR:HD2	20	0.44
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB1	1	0.44
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB2	1	0.44
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB3	1	0.44
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB1	1	0.44
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB2	1	0.44
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB3	1	0.44
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB1	1	0.44
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB2	1	0.44
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB3	1	0.44
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB1	1	0.44
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB2	1	0.44
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB3	1	0.44
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB1	1	0.44
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB2	1	0.44
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB3	1	0.44
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB1	1	0.44
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB2	1	0.44
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB3	1	0.44
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB1	3	0.44
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB2	3	0.44
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB3	3	0.44
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB1	3	0.44
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB2	3	0.44
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB3	3	0.44
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB1	14	0.44
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB2	14	0.44
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB3	14	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB1	14	0.44
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB2	14	0.44
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB3	14	0.44
(1,3191)	1:62:A:ASP:HB2	1:65:A:VAL:HB	12	0.44
(1,3191)	1:62:A:ASP:HB3	1:65:A:VAL:HB	12	0.44
(1,2867)	1:10:A:VAL:HG11	1:152:A:ALA:H	1	0.44
(1,2867)	1:10:A:VAL:HG12	1:152:A:ALA:H	1	0.44
(1,2867)	1:10:A:VAL:HG13	1:152:A:ALA:H	1	0.44
(1,2867)	1:10:A:VAL:HG21	1:152:A:ALA:H	1	0.44
(1,2867)	1:10:A:VAL:HG22	1:152:A:ALA:H	1	0.44
(1,2867)	1:10:A:VAL:HG23	1:152:A:ALA:H	1	0.44
(1,2790)	1:9:A:THR:HA	1:34:A:LEU:HG	18	0.44
(1,2778)	1:99:A:VAL:HG11	1:137:A:TYR:HE1	8	0.44
(1,2778)	1:99:A:VAL:HG11	1:137:A:TYR:HE2	8	0.44
(1,2778)	1:99:A:VAL:HG12	1:137:A:TYR:HE1	8	0.44
(1,2778)	1:99:A:VAL:HG12	1:137:A:TYR:HE2	8	0.44
(1,2778)	1:99:A:VAL:HG13	1:137:A:TYR:HE1	8	0.44
(1,2778)	1:99:A:VAL:HG13	1:137:A:TYR:HE2	8	0.44
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB1	13	0.44
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB2	13	0.44
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB3	13	0.44
(1,2726)	1:89:A:GLN:HG2	1:90:A:SER:H	16	0.44
(1,2726)	1:89:A:GLN:HG3	1:90:A:SER:H	16	0.44
(1,2709)	1:87:A:ALA:HA	1:88:A:LEU:HG	10	0.44
(1,2623)	1:77:A:ALA:HB1	1:81:A:GLY:H	7	0.44
(1,2623)	1:77:A:ALA:HB2	1:81:A:GLY:H	7	0.44
(1,2623)	1:77:A:ALA:HB3	1:81:A:GLY:H	7	0.44
(1,2356)	1:3:A:THR:HB	1:145:A:PRO:HB3	8	0.44
(1,2229)	1:18:A:ASN:H	1:18:A:ASN:HD21	12	0.44
(1,2044)	1:10:A:VAL:HB	1:32:A:VAL:HB	19	0.44
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB1	18	0.44
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB2	18	0.44
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB3	18	0.44
(1,1885)	1:79:A:ASP:H	1:81:A:GLY:H	3	0.44
(1,1885)	1:79:A:ASP:H	1:81:A:GLY:H	12	0.44
(1,1634)	1:16:A:VAL:H	1:155:A:LYS:HA	12	0.44
(1,1634)	1:16:A:VAL:H	1:155:A:LYS:HA	14	0.44
(1,1634)	1:16:A:VAL:H	1:155:A:LYS:HA	16	0.44
(1,1634)	1:16:A:VAL:H	1:155:A:LYS:HA	20	0.44
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE1	19	0.44
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE2	19	0.44
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE1	19	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE2	19	0.44
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE1	19	0.44
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE2	19	0.44
(1,1322)	1:4:A:THR:HG21	1:36:A:GLN:HG3	12	0.44
(1,1322)	1:4:A:THR:HG22	1:36:A:GLN:HG3	12	0.44
(1,1322)	1:4:A:THR:HG23	1:36:A:GLN:HG3	12	0.44
(1,1289)	1:32:A:VAL:HG21	1:55:A:ASN:H	3	0.44
(1,1289)	1:32:A:VAL:HG22	1:55:A:ASN:H	3	0.44
(1,1289)	1:32:A:VAL:HG23	1:55:A:ASN:H	3	0.44
(1,1257)	1:158:A:TYR:H	1:158:A:TYR:HB2	3	0.44
(1,1257)	1:158:A:TYR:H	1:158:A:TYR:HB2	8	0.44
(1,1257)	1:158:A:TYR:H	1:158:A:TYR:HB2	11	0.44
(1,1211)	1:124:A:LEU:HD11	1:159:A:GLN:H	9	0.44
(1,1211)	1:124:A:LEU:HD12	1:159:A:GLN:H	9	0.44
(1,1211)	1:124:A:LEU:HD13	1:159:A:GLN:H	9	0.44
(1,1211)	1:124:A:LEU:HD21	1:159:A:GLN:H	9	0.44
(1,1211)	1:124:A:LEU:HD22	1:159:A:GLN:H	9	0.44
(1,1211)	1:124:A:LEU:HD23	1:159:A:GLN:H	9	0.44
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG21	4	0.44
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG22	4	0.44
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG23	4	0.44
(1,1085)	1:34:A:LEU:HA	1:52:A:VAL:HB	17	0.44
(1,1076)	1:155:A:LYS:HB3	1:156:A:VAL:H	6	0.44
(1,1076)	1:155:A:LYS:HB3	1:156:A:VAL:H	7	0.44
(1,1076)	1:155:A:LYS:HB3	1:156:A:VAL:H	9	0.44
(1,949)	1:14:A:GLY:HA3	1:155:A:LYS:HA	5	0.44
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB1	7	0.44
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB2	7	0.44
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB3	7	0.44
(1,626)	1:116:A:ALA:HA	1:118:A:PHE:H	6	0.44
(1,536)	1:42:A:LEU:HD11	1:138:A:PHE:H	19	0.44
(1,536)	1:42:A:LEU:HD12	1:138:A:PHE:H	19	0.44
(1,536)	1:42:A:LEU:HD13	1:138:A:PHE:H	19	0.44
(1,509)	1:70:A:ALA:HA	1:71:A:VAL:HB	5	0.44
(1,509)	1:70:A:ALA:HA	1:71:A:VAL:HB	17	0.44
(1,509)	1:70:A:ALA:HA	1:71:A:VAL:HB	19	0.44
(1,425)	1:74:A:LEU:HD21	1:153:A:THR:HB	6	0.44
(1,425)	1:74:A:LEU:HD22	1:153:A:THR:HB	6	0.44
(1,425)	1:74:A:LEU:HD23	1:153:A:THR:HB	6	0.44
(1,359)	1:113:A:LEU:HD11	1:151:A:ASP:H	2	0.44
(1,359)	1:113:A:LEU:HD12	1:151:A:ASP:H	2	0.44
(1,359)	1:113:A:LEU:HD13	1:151:A:ASP:H	2	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,359)	1:113:A:LEU:HD21	1:151:A:ASP:H	2	0.44
(1,359)	1:113:A:LEU:HD22	1:151:A:ASP:H	2	0.44
(1,359)	1:113:A:LEU:HD23	1:151:A:ASP:H	2	0.44
(1,336)	1:18:A:ASN:HA	1:19:A:ALA:H	1	0.44
(1,307)	1:158:A:TYR:HA	1:159:A:GLN:H	14	0.44
(1,295)	1:39:A:THR:HA	1:42:A:LEU:HG	1	0.44
(1,293)	1:16:A:VAL:HA	1:155:A:LYS:HA	13	0.44
(1,181)	1:74:A:LEU:HG	1:115:A:GLY:HA2	13	0.44
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG21	8	0.44
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG22	8	0.44
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG23	8	0.44
(1,176)	1:32:A:VAL:HG11	1:54:A:PHE:HB2	12	0.44
(1,176)	1:32:A:VAL:HG11	1:54:A:PHE:HB3	12	0.44
(1,176)	1:32:A:VAL:HG12	1:54:A:PHE:HB2	12	0.44
(1,176)	1:32:A:VAL:HG12	1:54:A:PHE:HB3	12	0.44
(1,176)	1:32:A:VAL:HG13	1:54:A:PHE:HB2	12	0.44
(1,176)	1:32:A:VAL:HG13	1:54:A:PHE:HB3	12	0.44
(1,95)	1:152:A:ALA:HB1	1:154:A:PHE:H	19	0.44
(1,95)	1:152:A:ALA:HB2	1:154:A:PHE:H	19	0.44
(1,95)	1:152:A:ALA:HB3	1:154:A:PHE:H	19	0.44
(1,76)	1:69:A:ALA:HA	1:159:A:GLN:H	5	0.44
(1,76)	1:69:A:ALA:HA	1:159:A:GLN:H	11	0.44
(1,63)	1:20:A:ALA:HB1	1:63:A:THR:H	4	0.44
(1,63)	1:20:A:ALA:HB2	1:63:A:THR:H	4	0.44
(1,63)	1:20:A:ALA:HB3	1:63:A:THR:H	4	0.44
(1,42)	1:156:A:VAL:HA	1:158:A:TYR:H	4	0.44
(1,36)	1:137:A:TYR:HD1	1:148:A:ALA:HA	3	0.44
(1,36)	1:137:A:TYR:HD2	1:148:A:ALA:HA	3	0.44
(1,3389)	1:99:A:VAL:HG11	1:137:A:TYR:HA	4	0.43
(1,3389)	1:99:A:VAL:HG12	1:137:A:TYR:HA	4	0.43
(1,3389)	1:99:A:VAL:HG13	1:137:A:TYR:HA	4	0.43
(1,3389)	1:99:A:VAL:HG21	1:137:A:TYR:HA	4	0.43
(1,3389)	1:99:A:VAL:HG22	1:137:A:TYR:HA	4	0.43
(1,3389)	1:99:A:VAL:HG23	1:137:A:TYR:HA	4	0.43
(1,3389)	1:99:A:VAL:HG11	1:137:A:TYR:HA	9	0.43
(1,3389)	1:99:A:VAL:HG12	1:137:A:TYR:HA	9	0.43
(1,3389)	1:99:A:VAL:HG13	1:137:A:TYR:HA	9	0.43
(1,3389)	1:99:A:VAL:HG21	1:137:A:TYR:HA	9	0.43
(1,3389)	1:99:A:VAL:HG22	1:137:A:TYR:HA	9	0.43
(1,3389)	1:99:A:VAL:HG23	1:137:A:TYR:HA	9	0.43
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG11	9	0.43
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG12	9	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG13	9	0.43
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG21	9	0.43
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG22	9	0.43
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG23	9	0.43
(1,3366)	1:89:A:GLN:HB2	1:149:A:ASN:HD21	19	0.43
(1,3366)	1:89:A:GLN:HB3	1:149:A:ASN:HD21	19	0.43
(1,3169)	1:57:A:GLN:HE21	1:128:A:THR:HG21	15	0.43
(1,3169)	1:57:A:GLN:HE21	1:128:A:THR:HG22	15	0.43
(1,3169)	1:57:A:GLN:HE21	1:128:A:THR:HG23	15	0.43
(1,3169)	1:57:A:GLN:HE22	1:128:A:THR:HG21	15	0.43
(1,3169)	1:57:A:GLN:HE22	1:128:A:THR:HG22	15	0.43
(1,3169)	1:57:A:GLN:HE22	1:128:A:THR:HG23	15	0.43
(1,3024)	1:34:A:LEU:HD11	1:150:A:ALA:H	20	0.43
(1,3024)	1:34:A:LEU:HD12	1:150:A:ALA:H	20	0.43
(1,3024)	1:34:A:LEU:HD13	1:150:A:ALA:H	20	0.43
(1,3024)	1:34:A:LEU:HD21	1:150:A:ALA:H	20	0.43
(1,3024)	1:34:A:LEU:HD22	1:150:A:ALA:H	20	0.43
(1,3024)	1:34:A:LEU:HD23	1:150:A:ALA:H	20	0.43
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG11	5	0.43
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG12	5	0.43
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG13	5	0.43
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG11	5	0.43
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG12	5	0.43
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG13	5	0.43
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG11	5	0.43
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG12	5	0.43
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG13	5	0.43
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG11	5	0.43
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG12	5	0.43
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG13	5	0.43
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG11	5	0.43
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG12	5	0.43
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG13	5	0.43
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG11	5	0.43
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG12	5	0.43
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG13	5	0.43
(1,2903)	1:16:A:VAL:HG11	1:23:A:VAL:H	5	0.43
(1,2903)	1:16:A:VAL:HG12	1:23:A:VAL:H	5	0.43
(1,2903)	1:16:A:VAL:HG13	1:23:A:VAL:H	5	0.43
(1,2903)	1:16:A:VAL:HG21	1:23:A:VAL:H	5	0.43
(1,2903)	1:16:A:VAL:HG22	1:23:A:VAL:H	5	0.43
(1,2903)	1:16:A:VAL:HG23	1:23:A:VAL:H	5	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2778)	1:99:A:VAL:HG11	1:137:A:TYR:HE1	3	0.43
(1,2778)	1:99:A:VAL:HG11	1:137:A:TYR:HE2	3	0.43
(1,2778)	1:99:A:VAL:HG12	1:137:A:TYR:HE1	3	0.43
(1,2778)	1:99:A:VAL:HG12	1:137:A:TYR:HE2	3	0.43
(1,2778)	1:99:A:VAL:HG13	1:137:A:TYR:HE1	3	0.43
(1,2778)	1:99:A:VAL:HG13	1:137:A:TYR:HE2	3	0.43
(1,2766)	1:98:A:ASN:HD22	1:142:A:ALA:H	8	0.43
(1,2705)	1:86:A:LEU:HD21	1:101:A:VAL:H	14	0.43
(1,2705)	1:86:A:LEU:HD22	1:101:A:VAL:H	14	0.43
(1,2705)	1:86:A:LEU:HD23	1:101:A:VAL:H	14	0.43
(1,2705)	1:86:A:LEU:HD21	1:101:A:VAL:H	15	0.43
(1,2705)	1:86:A:LEU:HD22	1:101:A:VAL:H	15	0.43
(1,2705)	1:86:A:LEU:HD23	1:101:A:VAL:H	15	0.43
(1,2602)	1:74:A:LEU:HB2	1:153:A:THR:HB	9	0.43
(1,2356)	1:3:A:THR:HB	1:145:A:PRO:HB3	5	0.43
(1,2242)	1:20:A:ALA:HB1	1:158:A:TYR:HA	11	0.43
(1,2242)	1:20:A:ALA:HB2	1:158:A:TYR:HA	11	0.43
(1,2242)	1:20:A:ALA:HB3	1:158:A:TYR:HA	11	0.43
(1,1963)	1:98:A:ASN:HD22	1:141:A:GLY:HA3	20	0.43
(1,1723)	1:47:A:ALA:H	1:141:A:GLY:H	17	0.43
(1,1680)	1:32:A:VAL:HG11	1:33:A:GLN:H	5	0.43
(1,1680)	1:32:A:VAL:HG12	1:33:A:GLN:H	5	0.43
(1,1680)	1:32:A:VAL:HG13	1:33:A:GLN:H	5	0.43
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE1	9	0.43
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE2	9	0.43
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE1	9	0.43
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE2	9	0.43
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE1	9	0.43
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE2	9	0.43
(1,1553)	1:129:A:ASN:HA	1:130:A:THR:HB	2	0.43
(1,1553)	1:129:A:ASN:HA	1:130:A:THR:HB	7	0.43
(1,1553)	1:129:A:ASN:HA	1:130:A:THR:HB	15	0.43
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE1	1	0.43
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE2	1	0.43
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE1	1	0.43
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE2	1	0.43
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE1	1	0.43
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE2	1	0.43
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE1	4	0.43
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE2	4	0.43
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE1	4	0.43
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE2	4	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE1	4	0.43
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE2	4	0.43
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE1	9	0.43
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE2	9	0.43
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE1	9	0.43
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE2	9	0.43
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE1	9	0.43
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE2	9	0.43
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD1	4	0.43
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD2	4	0.43
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD1	4	0.43
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD2	4	0.43
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD1	4	0.43
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD2	4	0.43
(1,1322)	1:4:A:THR:HG21	1:36:A:GLN:HG3	14	0.43
(1,1322)	1:4:A:THR:HG22	1:36:A:GLN:HG3	14	0.43
(1,1322)	1:4:A:THR:HG23	1:36:A:GLN:HG3	14	0.43
(1,1289)	1:32:A:VAL:HG21	1:55:A:ASN:H	17	0.43
(1,1289)	1:32:A:VAL:HG22	1:55:A:ASN:H	17	0.43
(1,1289)	1:32:A:VAL:HG23	1:55:A:ASN:H	17	0.43
(1,1257)	1:158:A:TYR:H	1:158:A:TYR:HB2	13	0.43
(1,1211)	1:124:A:LEU:HD11	1:159:A:GLN:H	20	0.43
(1,1211)	1:124:A:LEU:HD12	1:159:A:GLN:H	20	0.43
(1,1211)	1:124:A:LEU:HD13	1:159:A:GLN:H	20	0.43
(1,1211)	1:124:A:LEU:HD21	1:159:A:GLN:H	20	0.43
(1,1211)	1:124:A:LEU:HD22	1:159:A:GLN:H	20	0.43
(1,1211)	1:124:A:LEU:HD23	1:159:A:GLN:H	20	0.43
(1,1076)	1:155:A:LYS:HB3	1:156:A:VAL:H	2	0.43
(1,1076)	1:155:A:LYS:HB3	1:156:A:VAL:H	3	0.43
(1,1076)	1:155:A:LYS:HB3	1:156:A:VAL:H	12	0.43
(1,1076)	1:155:A:LYS:HB3	1:156:A:VAL:H	14	0.43
(1,1076)	1:155:A:LYS:HB3	1:156:A:VAL:H	16	0.43
(1,1076)	1:155:A:LYS:HB3	1:156:A:VAL:H	17	0.43
(1,1076)	1:155:A:LYS:HB3	1:156:A:VAL:H	20	0.43
(1,1000)	1:6:A:ASN:H	1:6:A:ASN:HB2	6	0.43
(1,1000)	1:6:A:ASN:H	1:6:A:ASN:HB2	16	0.43
(1,928)	1:116:A:ALA:HA	1:117:A:THR:HB	14	0.43
(1,834)	1:15:A:GLU:H	1:15:A:GLU:HB3	2	0.43
(1,725)	1:19:A:ALA:HB1	1:21:A:CYS:H	6	0.43
(1,725)	1:19:A:ALA:HB2	1:21:A:CYS:H	6	0.43
(1,725)	1:19:A:ALA:HB3	1:21:A:CYS:H	6	0.43
(1,725)	1:19:A:ALA:HB1	1:21:A:CYS:H	17	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,725)	1:19:A:ALA:HB2	1:21:A:CYS:H	17	0.43
(1,725)	1:19:A:ALA:HB3	1:21:A:CYS:H	17	0.43
(1,721)	1:17:A:VAL:HG21	1:18:A:ASN:H	9	0.43
(1,721)	1:17:A:VAL:HG22	1:18:A:ASN:H	9	0.43
(1,721)	1:17:A:VAL:HG23	1:18:A:ASN:H	9	0.43
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB1	9	0.43
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB2	9	0.43
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB3	9	0.43
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB1	11	0.43
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB2	11	0.43
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB3	11	0.43
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB1	15	0.43
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB2	15	0.43
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB3	15	0.43
(1,519)	1:90:A:SER:HA	1:95:A:SER:HA	12	0.43
(1,509)	1:70:A:ALA:HA	1:71:A:VAL:HB	2	0.43
(1,509)	1:70:A:ALA:HA	1:71:A:VAL:HB	10	0.43
(1,425)	1:74:A:LEU:HD21	1:153:A:THR:HB	2	0.43
(1,425)	1:74:A:LEU:HD22	1:153:A:THR:HB	2	0.43
(1,425)	1:74:A:LEU:HD23	1:153:A:THR:HB	2	0.43
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG21	2	0.43
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG22	2	0.43
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG23	2	0.43
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG21	2	0.43
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG22	2	0.43
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG23	2	0.43
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG21	2	0.43
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG22	2	0.43
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG23	2	0.43
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG21	3	0.43
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG22	3	0.43
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG23	3	0.43
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG21	3	0.43
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG22	3	0.43
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG23	3	0.43
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG21	3	0.43
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG22	3	0.43
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG23	3	0.43
(1,413)	1:30:A:GLN:HE22	1:54:A:PHE:HD1	5	0.43
(1,413)	1:30:A:GLN:HE22	1:54:A:PHE:HD2	5	0.43
(1,330)	1:131:A:ILE:HG21	1:133:A:PHE:HB2	19	0.43
(1,330)	1:131:A:ILE:HG22	1:133:A:PHE:HB2	19	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,330)	1:131:A:ILE:HG23	1:133:A:PHE:HB2	19	0.43
(1,307)	1:158:A:TYR:HA	1:159:A:GLN:H	16	0.43
(1,295)	1:39:A:THR:HA	1:42:A:LEU:HG	19	0.43
(1,285)	1:96:A:ALA:HB1	1:144:A:THR:HB	18	0.43
(1,285)	1:96:A:ALA:HB2	1:144:A:THR:HB	18	0.43
(1,285)	1:96:A:ALA:HB3	1:144:A:THR:HB	18	0.43
(1,269)	1:34:A:LEU:HA	1:52:A:VAL:HA	15	0.43
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG21	10	0.43
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG22	10	0.43
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG23	10	0.43
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG21	3	0.43
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG22	3	0.43
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG23	3	0.43
(1,142)	1:148:A:ALA:H	1:149:A:ASN:HB3	17	0.43
(1,117)	1:124:A:LEU:HA	1:125:A:ASN:HD22	8	0.43
(1,85)	1:100:A:GLY:H	1:138:A:PHE:HD1	20	0.43
(1,85)	1:100:A:GLY:H	1:138:A:PHE:HD2	20	0.43
(1,63)	1:20:A:ALA:HB1	1:63:A:THR:H	2	0.43
(1,63)	1:20:A:ALA:HB2	1:63:A:THR:H	2	0.43
(1,63)	1:20:A:ALA:HB3	1:63:A:THR:H	2	0.43
(1,63)	1:20:A:ALA:HB1	1:63:A:THR:H	7	0.43
(1,63)	1:20:A:ALA:HB2	1:63:A:THR:H	7	0.43
(1,63)	1:20:A:ALA:HB3	1:63:A:THR:H	7	0.43
(1,63)	1:20:A:ALA:HB1	1:63:A:THR:H	10	0.43
(1,63)	1:20:A:ALA:HB2	1:63:A:THR:H	10	0.43
(1,63)	1:20:A:ALA:HB3	1:63:A:THR:H	10	0.43
(1,63)	1:20:A:ALA:HB1	1:63:A:THR:H	18	0.43
(1,63)	1:20:A:ALA:HB2	1:63:A:THR:H	18	0.43
(1,63)	1:20:A:ALA:HB3	1:63:A:THR:H	18	0.43
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB1	7	0.43
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB2	7	0.43
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB3	7	0.43
(1,39)	1:100:A:GLY:H	1:139:A:ALA:H	2	0.43
(1,3498)	1:159:A:GLN:H	1:159:A:GLN:HG2	2	0.42
(1,3498)	1:159:A:GLN:H	1:159:A:GLN:HG3	2	0.42
(1,3498)	1:159:A:GLN:H	1:159:A:GLN:HG2	10	0.42
(1,3498)	1:159:A:GLN:H	1:159:A:GLN:HG3	10	0.42
(1,3402)	1:100:A:GLY:HA3	1:102:A:GLN:HG2	2	0.42
(1,3402)	1:100:A:GLY:HA3	1:102:A:GLN:HG3	2	0.42
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB1	9	0.42
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB2	9	0.42
(1,3401)	1:99:A:VAL:HG11	1:148:A:ALA:HB3	9	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB1	9	0.42
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB2	9	0.42
(1,3401)	1:99:A:VAL:HG12	1:148:A:ALA:HB3	9	0.42
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB1	9	0.42
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB2	9	0.42
(1,3401)	1:99:A:VAL:HG13	1:148:A:ALA:HB3	9	0.42
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB1	9	0.42
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB2	9	0.42
(1,3401)	1:99:A:VAL:HG21	1:148:A:ALA:HB3	9	0.42
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB1	9	0.42
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB2	9	0.42
(1,3401)	1:99:A:VAL:HG22	1:148:A:ALA:HB3	9	0.42
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB1	9	0.42
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB2	9	0.42
(1,3401)	1:99:A:VAL:HG23	1:148:A:ALA:HB3	9	0.42
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG11	9	0.42
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG12	9	0.42
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG13	9	0.42
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG21	9	0.42
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG22	9	0.42
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG23	9	0.42
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG11	9	0.42
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG12	9	0.42
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG13	9	0.42
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG21	9	0.42
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG22	9	0.42
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG23	9	0.42
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG11	9	0.42
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG12	9	0.42
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG13	9	0.42
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG21	9	0.42
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG22	9	0.42
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG23	9	0.42
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG11	9	0.42
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG12	9	0.42
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG13	9	0.42
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG21	9	0.42
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG22	9	0.42
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG23	9	0.42
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG11	9	0.42
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG12	9	0.42
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG13	9	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG21	9	0.42
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG22	9	0.42
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG23	9	0.42
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG11	9	0.42
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG12	9	0.42
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG13	9	0.42
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG21	9	0.42
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG22	9	0.42
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG23	9	0.42
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG11	16	0.42
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG12	16	0.42
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG13	16	0.42
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG21	16	0.42
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG22	16	0.42
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG23	16	0.42
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG11	16	0.42
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG12	16	0.42
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG13	16	0.42
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG21	16	0.42
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG22	16	0.42
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG23	16	0.42
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG11	16	0.42
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG12	16	0.42
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG13	16	0.42
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG21	16	0.42
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG22	16	0.42
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG23	16	0.42
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG11	16	0.42
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG12	16	0.42
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG13	16	0.42
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG21	16	0.42
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG22	16	0.42
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG23	16	0.42
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG11	16	0.42
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG12	16	0.42
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG13	16	0.42
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG21	16	0.42
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG22	16	0.42
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG23	16	0.42
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG11	16	0.42
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG12	16	0.42
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG13	16	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG21	16	0.42
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG22	16	0.42
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG23	16	0.42
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB1	13	0.42
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB2	13	0.42
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB3	13	0.42
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB1	13	0.42
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB2	13	0.42
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB3	13	0.42
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB1	13	0.42
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB2	13	0.42
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB3	13	0.42
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB1	13	0.42
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB2	13	0.42
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB3	13	0.42
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB1	13	0.42
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB2	13	0.42
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB3	13	0.42
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB1	13	0.42
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB2	13	0.42
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB3	13	0.42
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB1	17	0.42
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB2	17	0.42
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB3	17	0.42
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB1	17	0.42
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB2	17	0.42
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB3	17	0.42
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB1	17	0.42
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB2	17	0.42
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB3	17	0.42
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB1	17	0.42
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB2	17	0.42
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB3	17	0.42
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB1	17	0.42
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB2	17	0.42
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB3	17	0.42
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB1	17	0.42
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB2	17	0.42
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB3	17	0.42
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB1	2	0.42
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB2	2	0.42
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB3	2	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB1	2	0.42
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB2	2	0.42
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB3	2	0.42
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB1	6	0.42
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB2	6	0.42
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB3	6	0.42
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB1	6	0.42
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB2	6	0.42
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB3	6	0.42
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB1	18	0.42
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB2	18	0.42
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB3	18	0.42
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB1	18	0.42
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB2	18	0.42
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB3	18	0.42
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB1	19	0.42
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB2	19	0.42
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB3	19	0.42
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB1	19	0.42
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB2	19	0.42
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB3	19	0.42
(1,3024)	1:34:A:LEU:HD11	1:150:A:ALA:H	6	0.42
(1,3024)	1:34:A:LEU:HD12	1:150:A:ALA:H	6	0.42
(1,3024)	1:34:A:LEU:HD13	1:150:A:ALA:H	6	0.42
(1,3024)	1:34:A:LEU:HD21	1:150:A:ALA:H	6	0.42
(1,3024)	1:34:A:LEU:HD22	1:150:A:ALA:H	6	0.42
(1,3024)	1:34:A:LEU:HD23	1:150:A:ALA:H	6	0.42
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG11	1	0.42
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG12	1	0.42
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG13	1	0.42
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG11	1	0.42
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG12	1	0.42
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG13	1	0.42
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG11	1	0.42
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG12	1	0.42
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG13	1	0.42
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG11	1	0.42
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG12	1	0.42
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG13	1	0.42
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG11	1	0.42
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG12	1	0.42
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG13	1	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG11	1	0.42
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG12	1	0.42
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG13	1	0.42
(1,2792)	1:9:A:THR:HG21	1:32:A:VAL:H	4	0.42
(1,2792)	1:9:A:THR:HG22	1:32:A:VAL:H	4	0.42
(1,2792)	1:9:A:THR:HG23	1:32:A:VAL:H	4	0.42
(1,2792)	1:9:A:THR:HG21	1:32:A:VAL:H	13	0.42
(1,2792)	1:9:A:THR:HG22	1:32:A:VAL:H	13	0.42
(1,2792)	1:9:A:THR:HG23	1:32:A:VAL:H	13	0.42
(1,2766)	1:98:A:ASN:HD22	1:142:A:ALA:H	14	0.42
(1,2709)	1:87:A:ALA:HA	1:88:A:LEU:HG	2	0.42
(1,2623)	1:77:A:ALA:HB1	1:81:A:GLY:H	11	0.42
(1,2623)	1:77:A:ALA:HB2	1:81:A:GLY:H	11	0.42
(1,2623)	1:77:A:ALA:HB3	1:81:A:GLY:H	11	0.42
(1,2503)	1:5:A:VAL:HG21	1:39:A:THR:HA	2	0.42
(1,2503)	1:5:A:VAL:HG22	1:39:A:THR:HA	2	0.42
(1,2503)	1:5:A:VAL:HG23	1:39:A:THR:HA	2	0.42
(1,2403)	1:45:A:GLU:HB3	1:141:A:GLY:H	20	0.42
(1,2356)	1:3:A:THR:HB	1:145:A:PRO:HB3	20	0.42
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD1	6	0.42
(1,2211)	1:156:A:VAL:HG11	1:158:A:TYR:HD2	6	0.42
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD1	6	0.42
(1,2211)	1:156:A:VAL:HG12	1:158:A:TYR:HD2	6	0.42
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD1	6	0.42
(1,2211)	1:156:A:VAL:HG13	1:158:A:TYR:HD2	6	0.42
(1,2191)	1:149:A:ASN:HD21	1:150:A:ALA:H	3	0.42
(1,2044)	1:10:A:VAL:HB	1:32:A:VAL:HB	16	0.42
(1,2044)	1:10:A:VAL:HB	1:32:A:VAL:HB	20	0.42
(1,1963)	1:98:A:ASN:HD22	1:141:A:GLY:HA3	4	0.42
(1,1963)	1:98:A:ASN:HD22	1:141:A:GLY:HA3	8	0.42
(1,1923)	1:8:A:GLY:H	1:148:A:ALA:HB1	7	0.42
(1,1923)	1:8:A:GLY:H	1:148:A:ALA:HB2	7	0.42
(1,1923)	1:8:A:GLY:H	1:148:A:ALA:HB3	7	0.42
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE1	3	0.42
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE2	3	0.42
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE1	3	0.42
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE2	3	0.42
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE1	3	0.42
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE2	3	0.42
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE1	11	0.42
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE2	11	0.42
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE1	11	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE2	11	0.42
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE1	11	0.42
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE2	11	0.42
(1,1634)	1:16:A:VAL:H	1:155:A:LYS:HA	8	0.42
(1,1634)	1:16:A:VAL:H	1:155:A:LYS:HA	18	0.42
(1,1580)	1:138:A:PHE:H	1:139:A:ALA:H	6	0.42
(1,1578)	1:137:A:TYR:HB3	1:138:A:PHE:HB2	3	0.42
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE1	13	0.42
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE2	13	0.42
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE1	13	0.42
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE2	13	0.42
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE1	13	0.42
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE2	13	0.42
(1,1377)	1:74:A:LEU:HB3	1:153:A:THR:HB	3	0.42
(1,1344)	1:63:A:THR:H	1:64:A:ASN:HD21	11	0.42
(1,1280)	1:27:A:SER:H	1:28:A:VAL:HB	11	0.42
(1,1257)	1:158:A:TYR:H	1:158:A:TYR:HB2	4	0.42
(1,1257)	1:158:A:TYR:H	1:158:A:TYR:HB2	7	0.42
(1,1257)	1:158:A:TYR:H	1:158:A:TYR:HB2	17	0.42
(1,1099)	1:48:A:THR:HG21	1:136:A:ARG:HG2	16	0.42
(1,1099)	1:48:A:THR:HG21	1:136:A:ARG:HG3	16	0.42
(1,1099)	1:48:A:THR:HG22	1:136:A:ARG:HG2	16	0.42
(1,1099)	1:48:A:THR:HG22	1:136:A:ARG:HG3	16	0.42
(1,1099)	1:48:A:THR:HG23	1:136:A:ARG:HG2	16	0.42
(1,1099)	1:48:A:THR:HG23	1:136:A:ARG:HG3	16	0.42
(1,1099)	1:48:A:THR:HG21	1:136:A:ARG:HG2	20	0.42
(1,1099)	1:48:A:THR:HG21	1:136:A:ARG:HG3	20	0.42
(1,1099)	1:48:A:THR:HG22	1:136:A:ARG:HG2	20	0.42
(1,1099)	1:48:A:THR:HG22	1:136:A:ARG:HG3	20	0.42
(1,1099)	1:48:A:THR:HG23	1:136:A:ARG:HG2	20	0.42
(1,1099)	1:48:A:THR:HG23	1:136:A:ARG:HG3	20	0.42
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG21	14	0.42
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG22	14	0.42
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG23	14	0.42
(1,1076)	1:155:A:LYS:HB3	1:156:A:VAL:H	1	0.42
(1,1076)	1:155:A:LYS:HB3	1:156:A:VAL:H	5	0.42
(1,1076)	1:155:A:LYS:HB3	1:156:A:VAL:H	13	0.42
(1,1000)	1:6:A:ASN:H	1:6:A:ASN:HB2	2	0.42
(1,1000)	1:6:A:ASN:H	1:6:A:ASN:HB2	20	0.42
(1,845)	1:28:A:VAL:HA	1:154:A:PHE:HE1	12	0.42
(1,845)	1:28:A:VAL:HA	1:154:A:PHE:HE2	12	0.42
(1,845)	1:28:A:VAL:HA	1:154:A:PHE:HE1	15	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,845)	1:28:A:VAL:HA	1:154:A:PHE:HE2	15	0.42
(1,725)	1:19:A:ALA:HB1	1:21:A:CYS:H	1	0.42
(1,725)	1:19:A:ALA:HB2	1:21:A:CYS:H	1	0.42
(1,725)	1:19:A:ALA:HB3	1:21:A:CYS:H	1	0.42
(1,626)	1:116:A:ALA:HA	1:118:A:PHE:H	15	0.42
(1,571)	1:15:A:GLU:H	1:15:A:GLU:HB2	4	0.42
(1,571)	1:15:A:GLU:H	1:15:A:GLU:HB2	6	0.42
(1,571)	1:15:A:GLU:H	1:15:A:GLU:HB2	9	0.42
(1,571)	1:15:A:GLU:H	1:15:A:GLU:HB2	18	0.42
(1,545)	1:70:A:ALA:HA	1:157:A:GLN:HB3	11	0.42
(1,509)	1:70:A:ALA:HA	1:71:A:VAL:HB	8	0.42
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG21	5	0.42
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG22	5	0.42
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG23	5	0.42
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG21	5	0.42
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG22	5	0.42
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG23	5	0.42
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG21	5	0.42
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG22	5	0.42
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG23	5	0.42
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD11	8	0.42
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD12	8	0.42
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD13	8	0.42
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD11	20	0.42
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD12	20	0.42
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD13	20	0.42
(1,350)	1:90:A:SER:HA	1:93:A:ALA:H	15	0.42
(1,330)	1:131:A:ILE:HG21	1:133:A:PHE:HB2	7	0.42
(1,330)	1:131:A:ILE:HG22	1:133:A:PHE:HB2	7	0.42
(1,330)	1:131:A:ILE:HG23	1:133:A:PHE:HB2	7	0.42
(1,285)	1:96:A:ALA:HB1	1:144:A:THR:HB	17	0.42
(1,285)	1:96:A:ALA:HB2	1:144:A:THR:HB	17	0.42
(1,285)	1:96:A:ALA:HB3	1:144:A:THR:HB	17	0.42
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD21	11	0.42
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD22	11	0.42
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD23	11	0.42
(1,200)	1:32:A:VAL:HA	1:34:A:LEU:H	6	0.42
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG21	3	0.42
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG22	3	0.42
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG23	3	0.42
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG21	19	0.42
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG22	19	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG23	19	0.42
(1,151)	1:106:A:ARG:HA	1:133:A:PHE:HE1	11	0.42
(1,151)	1:106:A:ARG:HA	1:133:A:PHE:HE2	11	0.42
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG21	6	0.42
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG22	6	0.42
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG23	6	0.42
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG21	10	0.42
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG22	10	0.42
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG23	10	0.42
(1,88)	1:115:A:GLY:HA2	1:155:A:LYS:HE2	7	0.42
(1,88)	1:115:A:GLY:HA2	1:155:A:LYS:HE3	7	0.42
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG11	2	0.42
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG12	2	0.42
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG13	2	0.42
(1,50)	1:24:A:ASP:H	1:28:A:VAL:H	2	0.42
(1,36)	1:137:A:TYR:HD1	1:148:A:ALA:HA	20	0.42
(1,36)	1:137:A:TYR:HD2	1:148:A:ALA:HA	20	0.42
(1,29)	1:45:A:GLU:HA	1:138:A:PHE:HD1	1	0.42
(1,29)	1:45:A:GLU:HA	1:138:A:PHE:HD2	1	0.42
(1,1)	1:112:A:THR:HB	1:116:A:ALA:H	9	0.42
(1,3391)	1:99:A:VAL:HG11	1:137:A:TYR:HD1	4	0.41
(1,3391)	1:99:A:VAL:HG11	1:137:A:TYR:HD2	4	0.41
(1,3391)	1:99:A:VAL:HG12	1:137:A:TYR:HD1	4	0.41
(1,3391)	1:99:A:VAL:HG12	1:137:A:TYR:HD2	4	0.41
(1,3391)	1:99:A:VAL:HG13	1:137:A:TYR:HD1	4	0.41
(1,3391)	1:99:A:VAL:HG13	1:137:A:TYR:HD2	4	0.41
(1,3391)	1:99:A:VAL:HG21	1:137:A:TYR:HD1	4	0.41
(1,3391)	1:99:A:VAL:HG21	1:137:A:TYR:HD2	4	0.41
(1,3391)	1:99:A:VAL:HG22	1:137:A:TYR:HD1	4	0.41
(1,3391)	1:99:A:VAL:HG22	1:137:A:TYR:HD2	4	0.41
(1,3391)	1:99:A:VAL:HG23	1:137:A:TYR:HD1	4	0.41
(1,3391)	1:99:A:VAL:HG23	1:137:A:TYR:HD2	4	0.41
(1,3391)	1:99:A:VAL:HG11	1:137:A:TYR:HD1	15	0.41
(1,3391)	1:99:A:VAL:HG11	1:137:A:TYR:HD2	15	0.41
(1,3391)	1:99:A:VAL:HG12	1:137:A:TYR:HD1	15	0.41
(1,3391)	1:99:A:VAL:HG12	1:137:A:TYR:HD2	15	0.41
(1,3391)	1:99:A:VAL:HG13	1:137:A:TYR:HD1	15	0.41
(1,3391)	1:99:A:VAL:HG13	1:137:A:TYR:HD2	15	0.41
(1,3391)	1:99:A:VAL:HG21	1:137:A:TYR:HD1	15	0.41
(1,3391)	1:99:A:VAL:HG21	1:137:A:TYR:HD2	15	0.41
(1,3391)	1:99:A:VAL:HG22	1:137:A:TYR:HD1	15	0.41
(1,3391)	1:99:A:VAL:HG22	1:137:A:TYR:HD2	15	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3391)	1:99:A:VAL:HG23	1:137:A:TYR:HD1	15	0.41
(1,3391)	1:99:A:VAL:HG23	1:137:A:TYR:HD2	15	0.41
(1,3389)	1:99:A:VAL:HG11	1:137:A:TYR:HA	12	0.41
(1,3389)	1:99:A:VAL:HG12	1:137:A:TYR:HA	12	0.41
(1,3389)	1:99:A:VAL:HG13	1:137:A:TYR:HA	12	0.41
(1,3389)	1:99:A:VAL:HG21	1:137:A:TYR:HA	12	0.41
(1,3389)	1:99:A:VAL:HG22	1:137:A:TYR:HA	12	0.41
(1,3389)	1:99:A:VAL:HG23	1:137:A:TYR:HA	12	0.41
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG11	16	0.41
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG12	16	0.41
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG13	16	0.41
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG21	16	0.41
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG22	16	0.41
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG23	16	0.41
(1,3123)	1:51:A:ALA:HA	1:136:A:ARG:HD2	9	0.41
(1,3123)	1:51:A:ALA:HA	1:136:A:ARG:HD3	9	0.41
(1,3123)	1:51:A:ALA:HA	1:136:A:ARG:HD2	11	0.41
(1,3123)	1:51:A:ALA:HA	1:136:A:ARG:HD3	11	0.41
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD1	13	0.41
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD2	13	0.41
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD1	13	0.41
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD2	13	0.41
(1,3040)	1:38:A:ARG:H	1:38:A:ARG:HG2	16	0.41
(1,3040)	1:38:A:ARG:H	1:38:A:ARG:HG3	16	0.41
(1,3040)	1:38:A:ARG:H	1:38:A:ARG:HG2	20	0.41
(1,3040)	1:38:A:ARG:H	1:38:A:ARG:HG3	20	0.41
(1,3024)	1:34:A:LEU:HD11	1:150:A:ALA:H	10	0.41
(1,3024)	1:34:A:LEU:HD12	1:150:A:ALA:H	10	0.41
(1,3024)	1:34:A:LEU:HD13	1:150:A:ALA:H	10	0.41
(1,3024)	1:34:A:LEU:HD21	1:150:A:ALA:H	10	0.41
(1,3024)	1:34:A:LEU:HD22	1:150:A:ALA:H	10	0.41
(1,3024)	1:34:A:LEU:HD23	1:150:A:ALA:H	10	0.41
(1,2976)	1:27:A:SER:HB2	1:28:A:VAL:HB	14	0.41
(1,2976)	1:27:A:SER:HB3	1:28:A:VAL:HB	14	0.41
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG11	11	0.41
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG12	11	0.41
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG13	11	0.41
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG21	11	0.41
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG22	11	0.41
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG23	11	0.41
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG11	19	0.41
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG12	19	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG13	19	0.41
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG21	19	0.41
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG22	19	0.41
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG23	19	0.41
(1,2778)	1:99:A:VAL:HG11	1:137:A:TYR:HE1	18	0.41
(1,2778)	1:99:A:VAL:HG11	1:137:A:TYR:HE2	18	0.41
(1,2778)	1:99:A:VAL:HG12	1:137:A:TYR:HE1	18	0.41
(1,2778)	1:99:A:VAL:HG12	1:137:A:TYR:HE2	18	0.41
(1,2778)	1:99:A:VAL:HG13	1:137:A:TYR:HE1	18	0.41
(1,2778)	1:99:A:VAL:HG13	1:137:A:TYR:HE2	18	0.41
(1,2778)	1:99:A:VAL:HG11	1:137:A:TYR:HE1	19	0.41
(1,2778)	1:99:A:VAL:HG11	1:137:A:TYR:HE2	19	0.41
(1,2778)	1:99:A:VAL:HG12	1:137:A:TYR:HE1	19	0.41
(1,2778)	1:99:A:VAL:HG12	1:137:A:TYR:HE2	19	0.41
(1,2778)	1:99:A:VAL:HG13	1:137:A:TYR:HE1	19	0.41
(1,2778)	1:99:A:VAL:HG13	1:137:A:TYR:HE2	19	0.41
(1,2778)	1:99:A:VAL:HG11	1:137:A:TYR:HE1	20	0.41
(1,2778)	1:99:A:VAL:HG11	1:137:A:TYR:HE2	20	0.41
(1,2778)	1:99:A:VAL:HG12	1:137:A:TYR:HE1	20	0.41
(1,2778)	1:99:A:VAL:HG12	1:137:A:TYR:HE2	20	0.41
(1,2778)	1:99:A:VAL:HG13	1:137:A:TYR:HE1	20	0.41
(1,2778)	1:99:A:VAL:HG13	1:137:A:TYR:HE2	20	0.41
(1,2709)	1:87:A:ALA:HA	1:88:A:LEU:HG	18	0.41
(1,2602)	1:74:A:LEU:HB2	1:153:A:THR:HB	4	0.41
(1,2602)	1:74:A:LEU:HB2	1:153:A:THR:HB	5	0.41
(1,2503)	1:5:A:VAL:HG21	1:39:A:THR:HA	18	0.41
(1,2503)	1:5:A:VAL:HG22	1:39:A:THR:HA	18	0.41
(1,2503)	1:5:A:VAL:HG23	1:39:A:THR:HA	18	0.41
(1,2436)	1:4:A:THR:HG21	1:38:A:ARG:HD2	12	0.41
(1,2436)	1:4:A:THR:HG21	1:38:A:ARG:HD3	12	0.41
(1,2436)	1:4:A:THR:HG22	1:38:A:ARG:HD2	12	0.41
(1,2436)	1:4:A:THR:HG22	1:38:A:ARG:HD3	12	0.41
(1,2436)	1:4:A:THR:HG23	1:38:A:ARG:HD2	12	0.41
(1,2436)	1:4:A:THR:HG23	1:38:A:ARG:HD3	12	0.41
(1,2242)	1:20:A:ALA:HB1	1:158:A:TYR:HA	16	0.41
(1,2242)	1:20:A:ALA:HB2	1:158:A:TYR:HA	16	0.41
(1,2242)	1:20:A:ALA:HB3	1:158:A:TYR:HA	16	0.41
(1,2044)	1:10:A:VAL:HB	1:32:A:VAL:HB	4	0.41
(1,1885)	1:79:A:ASP:H	1:81:A:GLY:H	6	0.41
(1,1885)	1:79:A:ASP:H	1:81:A:GLY:H	8	0.41
(1,1723)	1:47:A:ALA:H	1:141:A:GLY:H	18	0.41
(1,1469)	1:104:A:LEU:HD21	1:136:A:ARG:HE	9	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1469)	1:104:A:LEU:HD22	1:136:A:ARG:HE	9	0.41
(1,1469)	1:104:A:LEU:HD23	1:136:A:ARG:HE	9	0.41
(1,1396)	1:7:A:GLY:HA3	1:37:A:VAL:H	5	0.41
(1,1289)	1:32:A:VAL:HG21	1:55:A:ASN:H	7	0.41
(1,1289)	1:32:A:VAL:HG22	1:55:A:ASN:H	7	0.41
(1,1289)	1:32:A:VAL:HG23	1:55:A:ASN:H	7	0.41
(1,1257)	1:158:A:TYR:H	1:158:A:TYR:HB2	5	0.41
(1,1085)	1:34:A:LEU:HA	1:52:A:VAL:HB	7	0.41
(1,1085)	1:34:A:LEU:HA	1:52:A:VAL:HB	15	0.41
(1,1076)	1:155:A:LYS:HB3	1:156:A:VAL:H	18	0.41
(1,1000)	1:6:A:ASN:H	1:6:A:ASN:HB2	3	0.41
(1,1000)	1:6:A:ASN:H	1:6:A:ASN:HB2	8	0.41
(1,1000)	1:6:A:ASN:H	1:6:A:ASN:HB2	10	0.41
(1,1000)	1:6:A:ASN:H	1:6:A:ASN:HB2	18	0.41
(1,1000)	1:6:A:ASN:H	1:6:A:ASN:HB2	19	0.41
(1,980)	1:50:A:SER:H	1:137:A:TYR:HD1	3	0.41
(1,980)	1:50:A:SER:H	1:137:A:TYR:HD2	3	0.41
(1,878)	1:67:A:SER:H	1:159:A:GLN:H	14	0.41
(1,877)	1:65:A:VAL:HB	1:66:A:ALA:H	4	0.41
(1,877)	1:65:A:VAL:HB	1:66:A:ALA:H	19	0.41
(1,845)	1:28:A:VAL:HA	1:154:A:PHE:HE1	8	0.41
(1,845)	1:28:A:VAL:HA	1:154:A:PHE:HE2	8	0.41
(1,737)	1:32:A:VAL:HG11	1:34:A:LEU:HA	8	0.41
(1,737)	1:32:A:VAL:HG12	1:34:A:LEU:HA	8	0.41
(1,737)	1:32:A:VAL:HG13	1:34:A:LEU:HA	8	0.41
(1,615)	1:96:A:ALA:HA	1:147:A:ALA:H	10	0.41
(1,571)	1:15:A:GLU:H	1:15:A:GLU:HB2	8	0.41
(1,571)	1:15:A:GLU:H	1:15:A:GLU:HB2	19	0.41
(1,509)	1:70:A:ALA:HA	1:71:A:VAL:HB	12	0.41
(1,425)	1:74:A:LEU:HD21	1:153:A:THR:HB	1	0.41
(1,425)	1:74:A:LEU:HD22	1:153:A:THR:HB	1	0.41
(1,425)	1:74:A:LEU:HD23	1:153:A:THR:HB	1	0.41
(1,425)	1:74:A:LEU:HD21	1:153:A:THR:HB	10	0.41
(1,425)	1:74:A:LEU:HD22	1:153:A:THR:HB	10	0.41
(1,425)	1:74:A:LEU:HD23	1:153:A:THR:HB	10	0.41
(1,425)	1:74:A:LEU:HD21	1:153:A:THR:HB	16	0.41
(1,425)	1:74:A:LEU:HD22	1:153:A:THR:HB	16	0.41
(1,425)	1:74:A:LEU:HD23	1:153:A:THR:HB	16	0.41
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG21	10	0.41
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG22	10	0.41
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG23	10	0.41
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG21	10	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG22	10	0.41
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG23	10	0.41
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG21	10	0.41
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG22	10	0.41
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG23	10	0.41
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD11	11	0.41
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD12	11	0.41
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD13	11	0.41
(1,389)	1:20:A:ALA:HB1	1:66:A:ALA:H	10	0.41
(1,389)	1:20:A:ALA:HB2	1:66:A:ALA:H	10	0.41
(1,389)	1:20:A:ALA:HB3	1:66:A:ALA:H	10	0.41
(1,354)	1:99:A:VAL:HG21	1:137:A:TYR:HD1	19	0.41
(1,354)	1:99:A:VAL:HG21	1:137:A:TYR:HD2	19	0.41
(1,354)	1:99:A:VAL:HG22	1:137:A:TYR:HD1	19	0.41
(1,354)	1:99:A:VAL:HG22	1:137:A:TYR:HD2	19	0.41
(1,354)	1:99:A:VAL:HG23	1:137:A:TYR:HD1	19	0.41
(1,354)	1:99:A:VAL:HG23	1:137:A:TYR:HD2	19	0.41
(1,351)	1:92:A:ALA:HA	1:95:A:SER:HB2	3	0.41
(1,351)	1:92:A:ALA:HA	1:95:A:SER:HB3	3	0.41
(1,336)	1:18:A:ASN:HA	1:19:A:ALA:H	11	0.41
(1,336)	1:18:A:ASN:HA	1:19:A:ALA:H	13	0.41
(1,231)	1:31:A:THR:HG21	1:33:A:GLN:HG2	5	0.41
(1,231)	1:31:A:THR:HG21	1:33:A:GLN:HG3	5	0.41
(1,231)	1:31:A:THR:HG22	1:33:A:GLN:HG2	5	0.41
(1,231)	1:31:A:THR:HG22	1:33:A:GLN:HG3	5	0.41
(1,231)	1:31:A:THR:HG23	1:33:A:GLN:HG2	5	0.41
(1,231)	1:31:A:THR:HG23	1:33:A:GLN:HG3	5	0.41
(1,220)	1:70:A:ALA:H	1:121:A:GLU:HA	10	0.41
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG21	15	0.41
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG22	15	0.41
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG23	15	0.41
(1,152)	1:14:A:GLY:H	1:154:A:PHE:HD1	15	0.41
(1,152)	1:14:A:GLY:H	1:154:A:PHE:HD2	15	0.41
(1,131)	1:14:A:GLY:HA2	1:154:A:PHE:H	12	0.41
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG21	13	0.41
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG22	13	0.41
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG23	13	0.41
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG21	13	0.41
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG22	13	0.41
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG23	13	0.41
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG21	13	0.41
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG22	13	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG23	13	0.41
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB1	4	0.41
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB2	4	0.41
(1,91)	1:95:A:SER:H	1:96:A:ALA:HB3	4	0.41
(1,76)	1:69:A:ALA:HA	1:159:A:GLN:H	9	0.41
(1,39)	1:100:A:GLY:H	1:139:A:ALA:H	9	0.41
(1,32)	1:78:A:ILE:HD11	1:101:A:VAL:H	16	0.41
(1,32)	1:78:A:ILE:HD12	1:101:A:VAL:H	16	0.41
(1,32)	1:78:A:ILE:HD13	1:101:A:VAL:H	16	0.41
(1,3)	1:12:A:PHE:HZ	1:73:A:PHE:HZ	5	0.41
(1,3389)	1:99:A:VAL:HG11	1:137:A:TYR:HA	14	0.4
(1,3389)	1:99:A:VAL:HG12	1:137:A:TYR:HA	14	0.4
(1,3389)	1:99:A:VAL:HG13	1:137:A:TYR:HA	14	0.4
(1,3389)	1:99:A:VAL:HG21	1:137:A:TYR:HA	14	0.4
(1,3389)	1:99:A:VAL:HG22	1:137:A:TYR:HA	14	0.4
(1,3389)	1:99:A:VAL:HG23	1:137:A:TYR:HA	14	0.4
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG11	17	0.4
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG12	17	0.4
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG13	17	0.4
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG21	17	0.4
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG22	17	0.4
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG23	17	0.4
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG11	17	0.4
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG12	17	0.4
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG13	17	0.4
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG21	17	0.4
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG22	17	0.4
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG23	17	0.4
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG11	17	0.4
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG12	17	0.4
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG13	17	0.4
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG21	17	0.4
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG22	17	0.4
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG23	17	0.4
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG11	17	0.4
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG12	17	0.4
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG13	17	0.4
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG21	17	0.4
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG22	17	0.4
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG23	17	0.4
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG11	17	0.4
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG12	17	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG13	17	0.4
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG21	17	0.4
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG22	17	0.4
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG23	17	0.4
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG11	17	0.4
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG12	17	0.4
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG13	17	0.4
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG21	17	0.4
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG22	17	0.4
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG23	17	0.4
(1,2766)	1:98:A:ASN:HD22	1:142:A:ALA:H	2	0.4
(1,2719)	1:89:A:GLN:H	1:89:A:GLN:HE21	20	0.4
(1,2716)	1:88:A:LEU:HD21	1:148:A:ALA:HA	7	0.4
(1,2716)	1:88:A:LEU:HD22	1:148:A:ALA:HA	7	0.4
(1,2716)	1:88:A:LEU:HD23	1:148:A:ALA:HA	7	0.4
(1,2503)	1:5:A:VAL:HG21	1:39:A:THR:HA	12	0.4
(1,2503)	1:5:A:VAL:HG22	1:39:A:THR:HA	12	0.4
(1,2503)	1:5:A:VAL:HG23	1:39:A:THR:HA	12	0.4
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG21	7	0.4
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG22	7	0.4
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG23	7	0.4
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG21	17	0.4
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG22	17	0.4
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG23	17	0.4
(1,2356)	1:3:A:THR:HB	1:145:A:PRO:HB3	19	0.4
(1,2240)	1:20:A:ALA:HA	1:65:A:VAL:HB	17	0.4
(1,1885)	1:79:A:ASP:H	1:81:A:GLY:H	19	0.4
(1,1688)	1:34:A:LEU:HD21	1:136:A:ARG:H	20	0.4
(1,1688)	1:34:A:LEU:HD22	1:136:A:ARG:H	20	0.4
(1,1688)	1:34:A:LEU:HD23	1:136:A:ARG:H	20	0.4
(1,1469)	1:104:A:LEU:HD21	1:136:A:ARG:HE	17	0.4
(1,1469)	1:104:A:LEU:HD22	1:136:A:ARG:HE	17	0.4
(1,1469)	1:104:A:LEU:HD23	1:136:A:ARG:HE	17	0.4
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD1	5	0.4
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD2	5	0.4
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD1	5	0.4
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD2	5	0.4
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD1	5	0.4
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD2	5	0.4
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD1	9	0.4
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD2	9	0.4
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD1	9	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD2	9	0.4
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD1	9	0.4
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD2	9	0.4
(1,1407)	1:89:A:GLN:HB2	1:90:A:SER:H	3	0.4
(1,1322)	1:4:A:THR:HG21	1:36:A:GLN:HG3	20	0.4
(1,1322)	1:4:A:THR:HG22	1:36:A:GLN:HG3	20	0.4
(1,1322)	1:4:A:THR:HG23	1:36:A:GLN:HG3	20	0.4
(1,1289)	1:32:A:VAL:HG21	1:55:A:ASN:H	4	0.4
(1,1289)	1:32:A:VAL:HG22	1:55:A:ASN:H	4	0.4
(1,1289)	1:32:A:VAL:HG23	1:55:A:ASN:H	4	0.4
(1,1286)	1:30:A:GLN:HB3	1:31:A:THR:H	3	0.4
(1,1211)	1:124:A:LEU:HD11	1:159:A:GLN:H	15	0.4
(1,1211)	1:124:A:LEU:HD12	1:159:A:GLN:H	15	0.4
(1,1211)	1:124:A:LEU:HD13	1:159:A:GLN:H	15	0.4
(1,1211)	1:124:A:LEU:HD21	1:159:A:GLN:H	15	0.4
(1,1211)	1:124:A:LEU:HD22	1:159:A:GLN:H	15	0.4
(1,1211)	1:124:A:LEU:HD23	1:159:A:GLN:H	15	0.4
(1,1198)	1:10:A:VAL:HB	1:150:A:ALA:H	1	0.4
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB2	13	0.4
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB3	13	0.4
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG21	18	0.4
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG22	18	0.4
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG23	18	0.4
(1,1076)	1:155:A:LYS:HB3	1:156:A:VAL:H	19	0.4
(1,1000)	1:6:A:ASN:H	1:6:A:ASN:HB2	1	0.4
(1,1000)	1:6:A:ASN:H	1:6:A:ASN:HB2	14	0.4
(1,877)	1:65:A:VAL:HB	1:66:A:ALA:H	7	0.4
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG21	8	0.4
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG22	8	0.4
(1,848)	1:30:A:GLN:HG3	1:32:A:VAL:HG23	8	0.4
(1,845)	1:28:A:VAL:HA	1:154:A:PHE:HE1	1	0.4
(1,845)	1:28:A:VAL:HA	1:154:A:PHE:HE2	1	0.4
(1,845)	1:28:A:VAL:HA	1:154:A:PHE:HE1	14	0.4
(1,845)	1:28:A:VAL:HA	1:154:A:PHE:HE2	14	0.4
(1,845)	1:28:A:VAL:HA	1:154:A:PHE:HE1	16	0.4
(1,845)	1:28:A:VAL:HA	1:154:A:PHE:HE2	16	0.4
(1,845)	1:28:A:VAL:HA	1:154:A:PHE:HE1	19	0.4
(1,845)	1:28:A:VAL:HA	1:154:A:PHE:HE2	19	0.4
(1,830)	1:14:A:GLY:HA2	1:15:A:GLU:HA	5	0.4
(1,830)	1:14:A:GLY:HA2	1:15:A:GLU:HA	11	0.4
(1,774)	1:8:A:GLY:H	1:148:A:ALA:H	3	0.4
(1,774)	1:8:A:GLY:H	1:148:A:ALA:H	13	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,737)	1:32:A:VAL:HG11	1:34:A:LEU:HA	6	0.4
(1,737)	1:32:A:VAL:HG12	1:34:A:LEU:HA	6	0.4
(1,737)	1:32:A:VAL:HG13	1:34:A:LEU:HA	6	0.4
(1,571)	1:15:A:GLU:H	1:15:A:GLU:HB2	20	0.4
(1,549)	1:74:A:LEU:HD21	1:155:A:LYS:HE2	5	0.4
(1,549)	1:74:A:LEU:HD21	1:155:A:LYS:HE3	5	0.4
(1,549)	1:74:A:LEU:HD22	1:155:A:LYS:HE2	5	0.4
(1,549)	1:74:A:LEU:HD22	1:155:A:LYS:HE3	5	0.4
(1,549)	1:74:A:LEU:HD23	1:155:A:LYS:HE2	5	0.4
(1,549)	1:74:A:LEU:HD23	1:155:A:LYS:HE3	5	0.4
(1,517)	1:88:A:LEU:HD21	1:149:A:ASN:H	1	0.4
(1,517)	1:88:A:LEU:HD22	1:149:A:ASN:H	1	0.4
(1,517)	1:88:A:LEU:HD23	1:149:A:ASN:H	1	0.4
(1,517)	1:88:A:LEU:HD21	1:149:A:ASN:H	9	0.4
(1,517)	1:88:A:LEU:HD22	1:149:A:ASN:H	9	0.4
(1,517)	1:88:A:LEU:HD23	1:149:A:ASN:H	9	0.4
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG21	8	0.4
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG22	8	0.4
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG23	8	0.4
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG21	8	0.4
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG22	8	0.4
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG23	8	0.4
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG21	8	0.4
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG22	8	0.4
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG23	8	0.4
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD11	16	0.4
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD12	16	0.4
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD13	16	0.4
(1,354)	1:99:A:VAL:HG21	1:137:A:TYR:HD1	13	0.4
(1,354)	1:99:A:VAL:HG21	1:137:A:TYR:HD2	13	0.4
(1,354)	1:99:A:VAL:HG22	1:137:A:TYR:HD1	13	0.4
(1,354)	1:99:A:VAL:HG22	1:137:A:TYR:HD2	13	0.4
(1,354)	1:99:A:VAL:HG23	1:137:A:TYR:HD1	13	0.4
(1,354)	1:99:A:VAL:HG23	1:137:A:TYR:HD2	13	0.4
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG21	14	0.4
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG22	14	0.4
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG23	14	0.4
(1,293)	1:16:A:VAL:HA	1:155:A:LYS:HA	18	0.4
(1,220)	1:70:A:ALA:H	1:121:A:GLU:HA	6	0.4
(1,220)	1:70:A:ALA:H	1:121:A:GLU:HA	13	0.4
(1,200)	1:32:A:VAL:HA	1:34:A:LEU:H	3	0.4
(1,160)	1:10:A:VAL:HG11	1:12:A:PHE:HD1	7	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,160)	1:10:A:VAL:HG11	1:12:A:PHE:HD2	7	0.4
(1,160)	1:10:A:VAL:HG12	1:12:A:PHE:HD1	7	0.4
(1,160)	1:10:A:VAL:HG12	1:12:A:PHE:HD2	7	0.4
(1,160)	1:10:A:VAL:HG13	1:12:A:PHE:HD1	7	0.4
(1,160)	1:10:A:VAL:HG13	1:12:A:PHE:HD2	7	0.4
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG21	1	0.4
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG22	1	0.4
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG23	1	0.4
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG21	5	0.4
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG22	5	0.4
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG23	5	0.4
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG21	15	0.4
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG22	15	0.4
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG23	15	0.4
(1,142)	1:148:A:ALA:H	1:149:A:ASN:HB3	5	0.4
(1,42)	1:156:A:VAL:HA	1:158:A:TYR:H	7	0.4
(1,39)	1:100:A:GLY:H	1:139:A:ALA:H	6	0.4
(1,3498)	1:159:A:GLN:H	1:159:A:GLN:HG2	6	0.39
(1,3498)	1:159:A:GLN:H	1:159:A:GLN:HG3	6	0.39
(1,3391)	1:99:A:VAL:HG11	1:137:A:TYR:HD1	6	0.39
(1,3391)	1:99:A:VAL:HG11	1:137:A:TYR:HD2	6	0.39
(1,3391)	1:99:A:VAL:HG12	1:137:A:TYR:HD1	6	0.39
(1,3391)	1:99:A:VAL:HG12	1:137:A:TYR:HD2	6	0.39
(1,3391)	1:99:A:VAL:HG13	1:137:A:TYR:HD1	6	0.39
(1,3391)	1:99:A:VAL:HG13	1:137:A:TYR:HD2	6	0.39
(1,3391)	1:99:A:VAL:HG21	1:137:A:TYR:HD1	6	0.39
(1,3391)	1:99:A:VAL:HG21	1:137:A:TYR:HD2	6	0.39
(1,3391)	1:99:A:VAL:HG22	1:137:A:TYR:HD1	6	0.39
(1,3391)	1:99:A:VAL:HG22	1:137:A:TYR:HD2	6	0.39
(1,3391)	1:99:A:VAL:HG23	1:137:A:TYR:HD1	6	0.39
(1,3391)	1:99:A:VAL:HG23	1:137:A:TYR:HD2	6	0.39
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG11	12	0.39
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG12	12	0.39
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG13	12	0.39
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG21	12	0.39
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG22	12	0.39
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG23	12	0.39
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB1	18	0.39
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB2	18	0.39
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB3	18	0.39
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB1	18	0.39
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB2	18	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB3	18	0.39
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB1	18	0.39
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB2	18	0.39
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB3	18	0.39
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB1	18	0.39
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB2	18	0.39
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB3	18	0.39
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB1	18	0.39
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB2	18	0.39
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB3	18	0.39
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB1	18	0.39
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB2	18	0.39
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB3	18	0.39
(1,3024)	1:34:A:LEU:HD11	1:150:A:ALA:H	11	0.39
(1,3024)	1:34:A:LEU:HD12	1:150:A:ALA:H	11	0.39
(1,3024)	1:34:A:LEU:HD13	1:150:A:ALA:H	11	0.39
(1,3024)	1:34:A:LEU:HD21	1:150:A:ALA:H	11	0.39
(1,3024)	1:34:A:LEU:HD22	1:150:A:ALA:H	11	0.39
(1,3024)	1:34:A:LEU:HD23	1:150:A:ALA:H	11	0.39
(1,2977)	1:27:A:SER:HB2	1:30:A:GLN:HG2	8	0.39
(1,2977)	1:27:A:SER:HB3	1:30:A:GLN:HG2	8	0.39
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG11	20	0.39
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG12	20	0.39
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG13	20	0.39
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG21	20	0.39
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG22	20	0.39
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG23	20	0.39
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG11	20	0.39
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG12	20	0.39
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG13	20	0.39
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG21	20	0.39
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG22	20	0.39
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG23	20	0.39
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG11	20	0.39
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG12	20	0.39
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG13	20	0.39
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG21	20	0.39
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG22	20	0.39
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG23	20	0.39
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG11	6	0.39
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG12	6	0.39
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG13	6	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG21	6	0.39
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG22	6	0.39
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG23	6	0.39
(1,2790)	1:9:A:THR:HA	1:34:A:LEU:HG	4	0.39
(1,2766)	1:98:A:ASN:HD22	1:142:A:ALA:H	13	0.39
(1,2709)	1:87:A:ALA:HA	1:88:A:LEU:HG	16	0.39
(1,2312)	1:32:A:VAL:HG11	1:52:A:VAL:H	1	0.39
(1,2312)	1:32:A:VAL:HG12	1:52:A:VAL:H	1	0.39
(1,2312)	1:32:A:VAL:HG13	1:52:A:VAL:H	1	0.39
(1,2122)	1:130:A:THR:H	1:130:A:THR:HB	10	0.39
(1,1961)	1:98:A:ASN:HD21	1:141:A:GLY:HA3	3	0.39
(1,1664)	1:27:A:SER:HA	1:30:A:GLN:HE21	8	0.39
(1,1553)	1:129:A:ASN:HA	1:130:A:THR:HB	10	0.39
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE1	16	0.39
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE2	16	0.39
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE1	16	0.39
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE2	16	0.39
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE1	16	0.39
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE2	16	0.39
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD1	11	0.39
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD2	11	0.39
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD1	11	0.39
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD2	11	0.39
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD1	11	0.39
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD2	11	0.39
(1,1407)	1:89:A:GLN:HB2	1:90:A:SER:H	1	0.39
(1,1407)	1:89:A:GLN:HB2	1:90:A:SER:H	19	0.39
(1,1322)	1:4:A:THR:HG21	1:36:A:GLN:HG3	18	0.39
(1,1322)	1:4:A:THR:HG22	1:36:A:GLN:HG3	18	0.39
(1,1322)	1:4:A:THR:HG23	1:36:A:GLN:HG3	18	0.39
(1,1280)	1:27:A:SER:H	1:28:A:VAL:HB	1	0.39
(1,1280)	1:27:A:SER:H	1:28:A:VAL:HB	10	0.39
(1,1280)	1:27:A:SER:H	1:28:A:VAL:HB	12	0.39
(1,1257)	1:158:A:TYR:H	1:158:A:TYR:HB2	10	0.39
(1,1085)	1:34:A:LEU:HA	1:52:A:VAL:HB	6	0.39
(1,1085)	1:34:A:LEU:HA	1:52:A:VAL:HB	19	0.39
(1,1076)	1:155:A:LYS:HB3	1:156:A:VAL:H	15	0.39
(1,1000)	1:6:A:ASN:H	1:6:A:ASN:HB2	7	0.39
(1,1000)	1:6:A:ASN:H	1:6:A:ASN:HB2	11	0.39
(1,1000)	1:6:A:ASN:H	1:6:A:ASN:HB2	12	0.39
(1,949)	1:14:A:GLY:HA3	1:155:A:LYS:HA	2	0.39
(1,928)	1:116:A:ALA:HA	1:117:A:THR:HB	3	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,878)	1:67:A:SER:H	1:159:A:GLN:H	10	0.39
(1,875)	1:61:A:CYS:HB2	1:126:A:ASN:HA	18	0.39
(1,845)	1:28:A:VAL:HA	1:154:A:PHE:HE1	13	0.39
(1,845)	1:28:A:VAL:HA	1:154:A:PHE:HE2	13	0.39
(1,845)	1:28:A:VAL:HA	1:154:A:PHE:HE1	17	0.39
(1,845)	1:28:A:VAL:HA	1:154:A:PHE:HE2	17	0.39
(1,845)	1:28:A:VAL:HA	1:154:A:PHE:HE1	18	0.39
(1,845)	1:28:A:VAL:HA	1:154:A:PHE:HE2	18	0.39
(1,845)	1:28:A:VAL:HA	1:154:A:PHE:HE1	20	0.39
(1,845)	1:28:A:VAL:HA	1:154:A:PHE:HE2	20	0.39
(1,830)	1:14:A:GLY:HA2	1:15:A:GLU:HA	2	0.39
(1,830)	1:14:A:GLY:HA2	1:15:A:GLU:HA	9	0.39
(1,782)	1:97:A:THR:HA	1:99:A:VAL:HB	16	0.39
(1,762)	1:70:A:ALA:HB1	1:121:A:GLU:HG3	16	0.39
(1,762)	1:70:A:ALA:HB2	1:121:A:GLU:HG3	16	0.39
(1,762)	1:70:A:ALA:HB3	1:121:A:GLU:HG3	16	0.39
(1,725)	1:19:A:ALA:HB1	1:21:A:CYS:H	11	0.39
(1,725)	1:19:A:ALA:HB2	1:21:A:CYS:H	11	0.39
(1,725)	1:19:A:ALA:HB3	1:21:A:CYS:H	11	0.39
(1,615)	1:96:A:ALA:HA	1:147:A:ALA:H	12	0.39
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB1	10	0.39
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB2	10	0.39
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB3	10	0.39
(1,549)	1:74:A:LEU:HD21	1:155:A:LYS:HE2	19	0.39
(1,549)	1:74:A:LEU:HD21	1:155:A:LYS:HE3	19	0.39
(1,549)	1:74:A:LEU:HD22	1:155:A:LYS:HE2	19	0.39
(1,549)	1:74:A:LEU:HD22	1:155:A:LYS:HE3	19	0.39
(1,549)	1:74:A:LEU:HD23	1:155:A:LYS:HE2	19	0.39
(1,549)	1:74:A:LEU:HD23	1:155:A:LYS:HE3	19	0.39
(1,509)	1:70:A:ALA:HA	1:71:A:VAL:HB	11	0.39
(1,509)	1:70:A:ALA:HA	1:71:A:VAL:HB	15	0.39
(1,359)	1:113:A:LEU:HD11	1:151:A:ASP:H	11	0.39
(1,359)	1:113:A:LEU:HD12	1:151:A:ASP:H	11	0.39
(1,359)	1:113:A:LEU:HD13	1:151:A:ASP:H	11	0.39
(1,359)	1:113:A:LEU:HD21	1:151:A:ASP:H	11	0.39
(1,359)	1:113:A:LEU:HD22	1:151:A:ASP:H	11	0.39
(1,359)	1:113:A:LEU:HD23	1:151:A:ASP:H	11	0.39
(1,351)	1:92:A:ALA:HA	1:95:A:SER:HB2	6	0.39
(1,351)	1:92:A:ALA:HA	1:95:A:SER:HB3	6	0.39
(1,330)	1:131:A:ILE:HG21	1:133:A:PHE:HB2	5	0.39
(1,330)	1:131:A:ILE:HG22	1:133:A:PHE:HB2	5	0.39
(1,330)	1:131:A:ILE:HG23	1:133:A:PHE:HB2	5	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG21	1	0.39
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG22	1	0.39
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG23	1	0.39
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG21	5	0.39
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG22	5	0.39
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG23	5	0.39
(1,293)	1:16:A:VAL:HA	1:155:A:LYS:HA	19	0.39
(1,285)	1:96:A:ALA:HB1	1:144:A:THR:HB	5	0.39
(1,285)	1:96:A:ALA:HB2	1:144:A:THR:HB	5	0.39
(1,285)	1:96:A:ALA:HB3	1:144:A:THR:HB	5	0.39
(1,269)	1:34:A:LEU:HA	1:52:A:VAL:HA	17	0.39
(1,220)	1:70:A:ALA:H	1:121:A:GLU:HA	15	0.39
(1,200)	1:32:A:VAL:HA	1:34:A:LEU:H	11	0.39
(1,181)	1:74:A:LEU:HG	1:115:A:GLY:HA2	15	0.39
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG21	4	0.39
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG22	4	0.39
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG23	4	0.39
(1,131)	1:14:A:GLY:HA2	1:154:A:PHE:H	1	0.39
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG21	4	0.39
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG22	4	0.39
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG23	4	0.39
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG21	4	0.39
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG22	4	0.39
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG23	4	0.39
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG21	4	0.39
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG22	4	0.39
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG23	4	0.39
(1,99)	1:61:A:CYS:H	1:128:A:THR:H	4	0.39
(1,76)	1:69:A:ALA:HA	1:159:A:GLN:H	13	0.39
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG11	12	0.39
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG12	12	0.39
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG13	12	0.39
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB1	13	0.39
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB2	13	0.39
(1,52)	1:34:A:LEU:H	1:135:A:ALA:HB3	13	0.39
(1,39)	1:100:A:GLY:H	1:139:A:ALA:H	12	0.39
(1,32)	1:78:A:ILE:HD11	1:101:A:VAL:H	18	0.39
(1,32)	1:78:A:ILE:HD12	1:101:A:VAL:H	18	0.39
(1,32)	1:78:A:ILE:HD13	1:101:A:VAL:H	18	0.39
(1,14)	1:115:A:GLY:HA2	1:155:A:LYS:HD2	8	0.39
(1,14)	1:115:A:GLY:HA2	1:155:A:LYS:HD3	8	0.39
(1,3391)	1:99:A:VAL:HG11	1:137:A:TYR:HD1	11	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3391)	1:99:A:VAL:HG11	1:137:A:TYR:HD2	11	0.38
(1,3391)	1:99:A:VAL:HG12	1:137:A:TYR:HD1	11	0.38
(1,3391)	1:99:A:VAL:HG12	1:137:A:TYR:HD2	11	0.38
(1,3391)	1:99:A:VAL:HG13	1:137:A:TYR:HD1	11	0.38
(1,3391)	1:99:A:VAL:HG13	1:137:A:TYR:HD2	11	0.38
(1,3391)	1:99:A:VAL:HG21	1:137:A:TYR:HD1	11	0.38
(1,3391)	1:99:A:VAL:HG21	1:137:A:TYR:HD2	11	0.38
(1,3391)	1:99:A:VAL:HG22	1:137:A:TYR:HD1	11	0.38
(1,3391)	1:99:A:VAL:HG22	1:137:A:TYR:HD2	11	0.38
(1,3391)	1:99:A:VAL:HG23	1:137:A:TYR:HD1	11	0.38
(1,3391)	1:99:A:VAL:HG23	1:137:A:TYR:HD2	11	0.38
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB1	8	0.38
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB2	8	0.38
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB3	8	0.38
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB1	8	0.38
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB2	8	0.38
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB3	8	0.38
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB1	8	0.38
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB2	8	0.38
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB3	8	0.38
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB1	8	0.38
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB2	8	0.38
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB3	8	0.38
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB1	8	0.38
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB2	8	0.38
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB3	8	0.38
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB1	8	0.38
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB2	8	0.38
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB3	8	0.38
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB1	11	0.38
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB2	11	0.38
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB3	11	0.38
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB1	11	0.38
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB2	11	0.38
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB3	11	0.38
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB1	11	0.38
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB2	11	0.38
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB3	11	0.38
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB1	11	0.38
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB2	11	0.38
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB3	11	0.38
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB1	11	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB2	11	0.38
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB3	11	0.38
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB1	11	0.38
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB2	11	0.38
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB3	11	0.38
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB1	4	0.38
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB2	4	0.38
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB3	4	0.38
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB1	4	0.38
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB2	4	0.38
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB3	4	0.38
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB1	4	0.38
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB2	4	0.38
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB3	4	0.38
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB1	4	0.38
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB2	4	0.38
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB3	4	0.38
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB1	4	0.38
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB2	4	0.38
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB3	4	0.38
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB1	4	0.38
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB2	4	0.38
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB3	4	0.38
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD1	17	0.38
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD2	17	0.38
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD1	17	0.38
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD2	17	0.38
(1,3024)	1:34:A:LEU:HD11	1:150:A:ALA:H	14	0.38
(1,3024)	1:34:A:LEU:HD12	1:150:A:ALA:H	14	0.38
(1,3024)	1:34:A:LEU:HD13	1:150:A:ALA:H	14	0.38
(1,3024)	1:34:A:LEU:HD21	1:150:A:ALA:H	14	0.38
(1,3024)	1:34:A:LEU:HD22	1:150:A:ALA:H	14	0.38
(1,3024)	1:34:A:LEU:HD23	1:150:A:ALA:H	14	0.38
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG11	17	0.38
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG12	17	0.38
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG13	17	0.38
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG11	17	0.38
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG12	17	0.38
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG13	17	0.38
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG11	17	0.38
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG12	17	0.38
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG13	17	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG11	17	0.38
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG12	17	0.38
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG13	17	0.38
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG11	17	0.38
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG12	17	0.38
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG13	17	0.38
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG11	17	0.38
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG12	17	0.38
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG13	17	0.38
(1,2792)	1:9:A:THR:HG21	1:32:A:VAL:H	20	0.38
(1,2792)	1:9:A:THR:HG22	1:32:A:VAL:H	20	0.38
(1,2792)	1:9:A:THR:HG23	1:32:A:VAL:H	20	0.38
(1,2766)	1:98:A:ASN:HD22	1:142:A:ALA:H	1	0.38
(1,2709)	1:87:A:ALA:HA	1:88:A:LEU:HG	4	0.38
(1,2709)	1:87:A:ALA:HA	1:88:A:LEU:HG	17	0.38
(1,2709)	1:87:A:ALA:HA	1:88:A:LEU:HG	20	0.38
(1,2422)	1:49:A:SER:H	1:136:A:ARG:HG2	17	0.38
(1,2422)	1:49:A:SER:H	1:136:A:ARG:HG3	17	0.38
(1,2403)	1:45:A:GLU:HB3	1:141:A:GLY:H	5	0.38
(1,2240)	1:20:A:ALA:HA	1:65:A:VAL:HB	11	0.38
(1,2122)	1:130:A:THR:H	1:130:A:THR:HB	15	0.38
(1,1963)	1:98:A:ASN:HD22	1:141:A:GLY:HA3	2	0.38
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD11	10	0.38
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD12	10	0.38
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD13	10	0.38
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD11	17	0.38
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD12	17	0.38
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD13	17	0.38
(1,1923)	1:8:A:GLY:H	1:148:A:ALA:HB1	9	0.38
(1,1923)	1:8:A:GLY:H	1:148:A:ALA:HB2	9	0.38
(1,1923)	1:8:A:GLY:H	1:148:A:ALA:HB3	9	0.38
(1,1885)	1:79:A:ASP:H	1:81:A:GLY:H	13	0.38
(1,1734)	1:48:A:THR:HG21	1:138:A:PHE:H	1	0.38
(1,1734)	1:48:A:THR:HG22	1:138:A:PHE:H	1	0.38
(1,1734)	1:48:A:THR:HG23	1:138:A:PHE:H	1	0.38
(1,1723)	1:47:A:ALA:H	1:141:A:GLY:H	14	0.38
(1,1634)	1:16:A:VAL:H	1:155:A:LYS:HA	1	0.38
(1,1590)	1:13:A:LYS:H	1:14:A:GLY:H	6	0.38
(1,1469)	1:104:A:LEU:HD21	1:136:A:ARG:HE	8	0.38
(1,1469)	1:104:A:LEU:HD22	1:136:A:ARG:HE	8	0.38
(1,1469)	1:104:A:LEU:HD23	1:136:A:ARG:HE	8	0.38
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD1	12	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD2	12	0.38
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD1	12	0.38
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD2	12	0.38
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD1	12	0.38
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD2	12	0.38
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD1	19	0.38
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD2	19	0.38
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD1	19	0.38
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD2	19	0.38
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD1	19	0.38
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD2	19	0.38
(1,1407)	1:89:A:GLN:HB2	1:90:A:SER:H	18	0.38
(1,1322)	1:4:A:THR:HG21	1:36:A:GLN:HG3	5	0.38
(1,1322)	1:4:A:THR:HG22	1:36:A:GLN:HG3	5	0.38
(1,1322)	1:4:A:THR:HG23	1:36:A:GLN:HG3	5	0.38
(1,1257)	1:158:A:TYR:H	1:158:A:TYR:HB2	1	0.38
(1,1257)	1:158:A:TYR:H	1:158:A:TYR:HB2	20	0.38
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD1	12	0.38
(1,1256)	1:157:A:GLN:HA	1:158:A:TYR:HD2	12	0.38
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB2	15	0.38
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB3	15	0.38
(1,980)	1:50:A:SER:H	1:137:A:TYR:HD1	5	0.38
(1,980)	1:50:A:SER:H	1:137:A:TYR:HD2	5	0.38
(1,980)	1:50:A:SER:H	1:137:A:TYR:HD1	8	0.38
(1,980)	1:50:A:SER:H	1:137:A:TYR:HD2	8	0.38
(1,963)	1:32:A:VAL:HG21	1:54:A:PHE:HA	19	0.38
(1,963)	1:32:A:VAL:HG22	1:54:A:PHE:HA	19	0.38
(1,963)	1:32:A:VAL:HG23	1:54:A:PHE:HA	19	0.38
(1,928)	1:116:A:ALA:HA	1:117:A:THR:HB	4	0.38
(1,877)	1:65:A:VAL:HB	1:66:A:ALA:H	8	0.38
(1,830)	1:14:A:GLY:HA2	1:15:A:GLU:HA	3	0.38
(1,774)	1:8:A:GLY:H	1:148:A:ALA:H	18	0.38
(1,737)	1:32:A:VAL:HG11	1:34:A:LEU:HA	15	0.38
(1,737)	1:32:A:VAL:HG12	1:34:A:LEU:HA	15	0.38
(1,737)	1:32:A:VAL:HG13	1:34:A:LEU:HA	15	0.38
(1,725)	1:19:A:ALA:HB1	1:21:A:CYS:H	8	0.38
(1,725)	1:19:A:ALA:HB2	1:21:A:CYS:H	8	0.38
(1,725)	1:19:A:ALA:HB3	1:21:A:CYS:H	8	0.38
(1,725)	1:19:A:ALA:HB1	1:21:A:CYS:H	16	0.38
(1,725)	1:19:A:ALA:HB2	1:21:A:CYS:H	16	0.38
(1,725)	1:19:A:ALA:HB3	1:21:A:CYS:H	16	0.38
(1,721)	1:17:A:VAL:HG21	1:18:A:ASN:H	20	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,721)	1:17:A:VAL:HG22	1:18:A:ASN:H	20	0.38
(1,721)	1:17:A:VAL:HG23	1:18:A:ASN:H	20	0.38
(1,615)	1:96:A:ALA:HA	1:147:A:ALA:H	8	0.38
(1,571)	1:15:A:GLU:H	1:15:A:GLU:HB2	1	0.38
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB1	20	0.38
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB2	20	0.38
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB3	20	0.38
(1,441)	1:16:A:VAL:H	1:156:A:VAL:HG21	13	0.38
(1,441)	1:16:A:VAL:H	1:156:A:VAL:HG22	13	0.38
(1,441)	1:16:A:VAL:H	1:156:A:VAL:HG23	13	0.38
(1,359)	1:113:A:LEU:HD11	1:151:A:ASP:H	12	0.38
(1,359)	1:113:A:LEU:HD12	1:151:A:ASP:H	12	0.38
(1,359)	1:113:A:LEU:HD13	1:151:A:ASP:H	12	0.38
(1,359)	1:113:A:LEU:HD21	1:151:A:ASP:H	12	0.38
(1,359)	1:113:A:LEU:HD22	1:151:A:ASP:H	12	0.38
(1,359)	1:113:A:LEU:HD23	1:151:A:ASP:H	12	0.38
(1,336)	1:18:A:ASN:HA	1:19:A:ALA:H	18	0.38
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG21	2	0.38
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG22	2	0.38
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG23	2	0.38
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG21	8	0.38
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG22	8	0.38
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG23	8	0.38
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG21	16	0.38
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG22	16	0.38
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG23	16	0.38
(1,285)	1:96:A:ALA:HB1	1:144:A:THR:HB	11	0.38
(1,285)	1:96:A:ALA:HB2	1:144:A:THR:HB	11	0.38
(1,285)	1:96:A:ALA:HB3	1:144:A:THR:HB	11	0.38
(1,228)	1:18:A:ASN:HA	1:158:A:TYR:HE1	12	0.38
(1,228)	1:18:A:ASN:HA	1:158:A:TYR:HE2	12	0.38
(1,220)	1:70:A:ALA:H	1:121:A:GLU:HA	12	0.38
(1,200)	1:32:A:VAL:HA	1:34:A:LEU:H	18	0.38
(1,176)	1:32:A:VAL:HG11	1:54:A:PHE:HB2	16	0.38
(1,176)	1:32:A:VAL:HG11	1:54:A:PHE:HB3	16	0.38
(1,176)	1:32:A:VAL:HG12	1:54:A:PHE:HB2	16	0.38
(1,176)	1:32:A:VAL:HG12	1:54:A:PHE:HB3	16	0.38
(1,176)	1:32:A:VAL:HG13	1:54:A:PHE:HB2	16	0.38
(1,176)	1:32:A:VAL:HG13	1:54:A:PHE:HB3	16	0.38
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG21	7	0.38
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG22	7	0.38
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG23	7	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG21	2	0.38
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG22	2	0.38
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG23	2	0.38
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG21	8	0.38
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG22	8	0.38
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG23	8	0.38
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG21	13	0.38
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG22	13	0.38
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG23	13	0.38
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG11	5	0.38
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG12	5	0.38
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG13	5	0.38
(1,63)	1:20:A:ALA:HB1	1:63:A:THR:H	1	0.38
(1,63)	1:20:A:ALA:HB2	1:63:A:THR:H	1	0.38
(1,63)	1:20:A:ALA:HB3	1:63:A:THR:H	1	0.38
(1,54)	1:74:A:LEU:HG	1:152:A:ALA:HA	3	0.38
(1,32)	1:78:A:ILE:HD11	1:101:A:VAL:H	15	0.38
(1,32)	1:78:A:ILE:HD12	1:101:A:VAL:H	15	0.38
(1,32)	1:78:A:ILE:HD13	1:101:A:VAL:H	15	0.38
(1,3392)	1:99:A:VAL:HG11	1:137:A:TYR:HE1	13	0.37
(1,3392)	1:99:A:VAL:HG11	1:137:A:TYR:HE2	13	0.37
(1,3392)	1:99:A:VAL:HG12	1:137:A:TYR:HE1	13	0.37
(1,3392)	1:99:A:VAL:HG12	1:137:A:TYR:HE2	13	0.37
(1,3392)	1:99:A:VAL:HG13	1:137:A:TYR:HE1	13	0.37
(1,3392)	1:99:A:VAL:HG13	1:137:A:TYR:HE2	13	0.37
(1,3392)	1:99:A:VAL:HG21	1:137:A:TYR:HE1	13	0.37
(1,3392)	1:99:A:VAL:HG21	1:137:A:TYR:HE2	13	0.37
(1,3392)	1:99:A:VAL:HG22	1:137:A:TYR:HE1	13	0.37
(1,3392)	1:99:A:VAL:HG22	1:137:A:TYR:HE2	13	0.37
(1,3392)	1:99:A:VAL:HG23	1:137:A:TYR:HE1	13	0.37
(1,3392)	1:99:A:VAL:HG23	1:137:A:TYR:HE2	13	0.37
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG11	5	0.37
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG12	5	0.37
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG13	5	0.37
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG21	5	0.37
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG22	5	0.37
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG23	5	0.37
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG11	18	0.37
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG12	18	0.37
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG13	18	0.37
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG21	18	0.37
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG22	18	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG23	18	0.37
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB2	16	0.37
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB3	16	0.37
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB2	16	0.37
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB3	16	0.37
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB2	16	0.37
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB3	16	0.37
(1,3123)	1:51:A:ALA:HA	1:136:A:ARG:HD2	10	0.37
(1,3123)	1:51:A:ALA:HA	1:136:A:ARG:HD3	10	0.37
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG11	17	0.37
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG12	17	0.37
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG13	17	0.37
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG21	17	0.37
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG22	17	0.37
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG23	17	0.37
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG11	17	0.37
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG12	17	0.37
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG13	17	0.37
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG21	17	0.37
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG22	17	0.37
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG23	17	0.37
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG11	17	0.37
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG12	17	0.37
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG13	17	0.37
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG21	17	0.37
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG22	17	0.37
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG23	17	0.37
(1,2790)	1:9:A:THR:HA	1:34:A:LEU:HG	2	0.37
(1,2790)	1:9:A:THR:HA	1:34:A:LEU:HG	10	0.37
(1,2790)	1:9:A:THR:HA	1:34:A:LEU:HG	20	0.37
(1,2766)	1:98:A:ASN:HD22	1:142:A:ALA:H	20	0.37
(1,2719)	1:89:A:GLN:H	1:89:A:GLN:HE21	1	0.37
(1,2709)	1:87:A:ALA:HA	1:88:A:LEU:HG	6	0.37
(1,2709)	1:87:A:ALA:HA	1:88:A:LEU:HG	19	0.37
(1,2705)	1:86:A:LEU:HD21	1:101:A:VAL:H	9	0.37
(1,2705)	1:86:A:LEU:HD22	1:101:A:VAL:H	9	0.37
(1,2705)	1:86:A:LEU:HD23	1:101:A:VAL:H	9	0.37
(1,2705)	1:86:A:LEU:HD21	1:101:A:VAL:H	16	0.37
(1,2705)	1:86:A:LEU:HD22	1:101:A:VAL:H	16	0.37
(1,2705)	1:86:A:LEU:HD23	1:101:A:VAL:H	16	0.37
(1,2357)	1:3:A:THR:HB	1:4:A:THR:H	16	0.37
(1,2191)	1:149:A:ASN:HD21	1:150:A:ALA:H	2	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2106)	1:125:A:ASN:H	1:125:A:ASN:HD21	13	0.37
(1,2106)	1:125:A:ASN:H	1:125:A:ASN:HD22	13	0.37
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB1	10	0.37
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB2	10	0.37
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB3	10	0.37
(1,1961)	1:98:A:ASN:HD21	1:141:A:GLY:HA3	2	0.37
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD11	9	0.37
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD12	9	0.37
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD13	9	0.37
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD11	16	0.37
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD12	16	0.37
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD13	16	0.37
(1,1885)	1:79:A:ASP:H	1:81:A:GLY:H	4	0.37
(1,1734)	1:48:A:THR:HG21	1:138:A:PHE:H	16	0.37
(1,1734)	1:48:A:THR:HG22	1:138:A:PHE:H	16	0.37
(1,1734)	1:48:A:THR:HG23	1:138:A:PHE:H	16	0.37
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE1	5	0.37
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE2	5	0.37
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE1	5	0.37
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE2	5	0.37
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE1	5	0.37
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE2	5	0.37
(1,1425)	1:98:A:ASN:HD21	1:142:A:ALA:HA	1	0.37
(1,1289)	1:32:A:VAL:HG21	1:55:A:ASN:H	9	0.37
(1,1289)	1:32:A:VAL:HG22	1:55:A:ASN:H	9	0.37
(1,1289)	1:32:A:VAL:HG23	1:55:A:ASN:H	9	0.37
(1,1286)	1:30:A:GLN:HB3	1:31:A:THR:H	13	0.37
(1,1261)	1:16:A:VAL:HB	1:17:A:VAL:H	7	0.37
(1,1261)	1:16:A:VAL:HB	1:17:A:VAL:H	12	0.37
(1,1261)	1:16:A:VAL:HB	1:17:A:VAL:H	18	0.37
(1,1261)	1:16:A:VAL:HB	1:17:A:VAL:H	20	0.37
(1,1000)	1:6:A:ASN:H	1:6:A:ASN:HB2	4	0.37
(1,1000)	1:6:A:ASN:H	1:6:A:ASN:HB2	17	0.37
(1,980)	1:50:A:SER:H	1:137:A:TYR:HD1	10	0.37
(1,980)	1:50:A:SER:H	1:137:A:TYR:HD2	10	0.37
(1,928)	1:116:A:ALA:HA	1:117:A:THR:HB	7	0.37
(1,928)	1:116:A:ALA:HA	1:117:A:THR:HB	11	0.37
(1,928)	1:116:A:ALA:HA	1:117:A:THR:HB	13	0.37
(1,928)	1:116:A:ALA:HA	1:117:A:THR:HB	17	0.37
(1,877)	1:65:A:VAL:HB	1:66:A:ALA:H	20	0.37
(1,770)	1:79:A:ASP:HB2	1:81:A:GLY:H	5	0.37
(1,725)	1:19:A:ALA:HB1	1:21:A:CYS:H	3	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,725)	1:19:A:ALA:HB2	1:21:A:CYS:H	3	0.37
(1,725)	1:19:A:ALA:HB3	1:21:A:CYS:H	3	0.37
(1,536)	1:42:A:LEU:HD11	1:138:A:PHE:H	1	0.37
(1,536)	1:42:A:LEU:HD12	1:138:A:PHE:H	1	0.37
(1,536)	1:42:A:LEU:HD13	1:138:A:PHE:H	1	0.37
(1,517)	1:88:A:LEU:HD21	1:149:A:ASN:H	14	0.37
(1,517)	1:88:A:LEU:HD22	1:149:A:ASN:H	14	0.37
(1,517)	1:88:A:LEU:HD23	1:149:A:ASN:H	14	0.37
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD11	10	0.37
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD12	10	0.37
(1,391)	1:28:A:VAL:HA	1:56:A:ILE:HD13	10	0.37
(1,373)	1:78:A:ILE:HD11	1:100:A:GLY:HA2	3	0.37
(1,373)	1:78:A:ILE:HD12	1:100:A:GLY:HA2	3	0.37
(1,373)	1:78:A:ILE:HD13	1:100:A:GLY:HA2	3	0.37
(1,359)	1:113:A:LEU:HD11	1:151:A:ASP:H	10	0.37
(1,359)	1:113:A:LEU:HD12	1:151:A:ASP:H	10	0.37
(1,359)	1:113:A:LEU:HD13	1:151:A:ASP:H	10	0.37
(1,359)	1:113:A:LEU:HD21	1:151:A:ASP:H	10	0.37
(1,359)	1:113:A:LEU:HD22	1:151:A:ASP:H	10	0.37
(1,359)	1:113:A:LEU:HD23	1:151:A:ASP:H	10	0.37
(1,350)	1:90:A:SER:HA	1:93:A:ALA:H	2	0.37
(1,334)	1:16:A:VAL:HG11	1:23:A:VAL:HB	2	0.37
(1,334)	1:16:A:VAL:HG12	1:23:A:VAL:HB	2	0.37
(1,334)	1:16:A:VAL:HG13	1:23:A:VAL:HB	2	0.37
(1,334)	1:16:A:VAL:HG21	1:23:A:VAL:HB	2	0.37
(1,334)	1:16:A:VAL:HG22	1:23:A:VAL:HB	2	0.37
(1,334)	1:16:A:VAL:HG23	1:23:A:VAL:HB	2	0.37
(1,331)	1:14:A:GLY:HA2	1:15:A:GLU:H	2	0.37
(1,269)	1:34:A:LEU:HA	1:52:A:VAL:HA	19	0.37
(1,181)	1:74:A:LEU:HG	1:115:A:GLY:HA2	14	0.37
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG21	17	0.37
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG22	17	0.37
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG23	17	0.37
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG21	5	0.37
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG22	5	0.37
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG23	5	0.37
(1,152)	1:14:A:GLY:H	1:154:A:PHE:HD1	16	0.37
(1,152)	1:14:A:GLY:H	1:154:A:PHE:HD2	16	0.37
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG21	14	0.37
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG22	14	0.37
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG23	14	0.37
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG21	18	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG22	18	0.37
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG23	18	0.37
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG21	2	0.37
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG22	2	0.37
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG23	2	0.37
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG21	2	0.37
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG22	2	0.37
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG23	2	0.37
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG21	2	0.37
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG22	2	0.37
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG23	2	0.37
(1,50)	1:24:A:ASP:H	1:28:A:VAL:H	6	0.37
(1,40)	1:103:A:ILE:HA	1:110:A:ALA:HA	7	0.37
(1,3389)	1:99:A:VAL:HG11	1:137:A:TYR:HA	16	0.36
(1,3389)	1:99:A:VAL:HG12	1:137:A:TYR:HA	16	0.36
(1,3389)	1:99:A:VAL:HG13	1:137:A:TYR:HA	16	0.36
(1,3389)	1:99:A:VAL:HG21	1:137:A:TYR:HA	16	0.36
(1,3389)	1:99:A:VAL:HG22	1:137:A:TYR:HA	16	0.36
(1,3389)	1:99:A:VAL:HG23	1:137:A:TYR:HA	16	0.36
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG11	1	0.36
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG12	1	0.36
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG13	1	0.36
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG21	1	0.36
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG22	1	0.36
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG23	1	0.36
(1,3135)	1:52:A:VAL:HG11	1:134:A:GLN:HB3	11	0.36
(1,3135)	1:52:A:VAL:HG12	1:134:A:GLN:HB3	11	0.36
(1,3135)	1:52:A:VAL:HG13	1:134:A:GLN:HB3	11	0.36
(1,3135)	1:52:A:VAL:HG21	1:134:A:GLN:HB3	11	0.36
(1,3135)	1:52:A:VAL:HG22	1:134:A:GLN:HB3	11	0.36
(1,3135)	1:52:A:VAL:HG23	1:134:A:GLN:HB3	11	0.36
(1,3024)	1:34:A:LEU:HD11	1:150:A:ALA:H	18	0.36
(1,3024)	1:34:A:LEU:HD12	1:150:A:ALA:H	18	0.36
(1,3024)	1:34:A:LEU:HD13	1:150:A:ALA:H	18	0.36
(1,3024)	1:34:A:LEU:HD21	1:150:A:ALA:H	18	0.36
(1,3024)	1:34:A:LEU:HD22	1:150:A:ALA:H	18	0.36
(1,3024)	1:34:A:LEU:HD23	1:150:A:ALA:H	18	0.36
(1,2988)	1:28:A:VAL:HG11	1:154:A:PHE:HE1	5	0.36
(1,2988)	1:28:A:VAL:HG11	1:154:A:PHE:HE2	5	0.36
(1,2988)	1:28:A:VAL:HG12	1:154:A:PHE:HE1	5	0.36
(1,2988)	1:28:A:VAL:HG12	1:154:A:PHE:HE2	5	0.36
(1,2988)	1:28:A:VAL:HG13	1:154:A:PHE:HE1	5	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2988)	1:28:A:VAL:HG13	1:154:A:PHE:HE2	5	0.36
(1,2988)	1:28:A:VAL:HG21	1:154:A:PHE:HE1	5	0.36
(1,2988)	1:28:A:VAL:HG21	1:154:A:PHE:HE2	5	0.36
(1,2988)	1:28:A:VAL:HG22	1:154:A:PHE:HE1	5	0.36
(1,2988)	1:28:A:VAL:HG22	1:154:A:PHE:HE2	5	0.36
(1,2988)	1:28:A:VAL:HG23	1:154:A:PHE:HE1	5	0.36
(1,2988)	1:28:A:VAL:HG23	1:154:A:PHE:HE2	5	0.36
(1,2976)	1:27:A:SER:HB2	1:28:A:VAL:HB	18	0.36
(1,2976)	1:27:A:SER:HB3	1:28:A:VAL:HB	18	0.36
(1,2742)	1:96:A:ALA:HA	1:144:A:THR:H	9	0.36
(1,2742)	1:96:A:ALA:HA	1:144:A:THR:H	11	0.36
(1,2709)	1:87:A:ALA:HA	1:88:A:LEU:HG	8	0.36
(1,2706)	1:87:A:ALA:H	1:101:A:VAL:H	13	0.36
(1,2705)	1:86:A:LEU:HD21	1:101:A:VAL:H	18	0.36
(1,2705)	1:86:A:LEU:HD22	1:101:A:VAL:H	18	0.36
(1,2705)	1:86:A:LEU:HD23	1:101:A:VAL:H	18	0.36
(1,2547)	1:69:A:ALA:HB1	1:158:A:TYR:HE1	12	0.36
(1,2547)	1:69:A:ALA:HB1	1:158:A:TYR:HE2	12	0.36
(1,2547)	1:69:A:ALA:HB2	1:158:A:TYR:HE1	12	0.36
(1,2547)	1:69:A:ALA:HB2	1:158:A:TYR:HE2	12	0.36
(1,2547)	1:69:A:ALA:HB3	1:158:A:TYR:HE1	12	0.36
(1,2547)	1:69:A:ALA:HB3	1:158:A:TYR:HE2	12	0.36
(1,2503)	1:5:A:VAL:HG21	1:39:A:THR:HA	19	0.36
(1,2503)	1:5:A:VAL:HG22	1:39:A:THR:HA	19	0.36
(1,2503)	1:5:A:VAL:HG23	1:39:A:THR:HA	19	0.36
(1,2436)	1:4:A:THR:HG21	1:38:A:ARG:HD2	17	0.36
(1,2436)	1:4:A:THR:HG21	1:38:A:ARG:HD3	17	0.36
(1,2436)	1:4:A:THR:HG22	1:38:A:ARG:HD2	17	0.36
(1,2436)	1:4:A:THR:HG22	1:38:A:ARG:HD3	17	0.36
(1,2436)	1:4:A:THR:HG23	1:38:A:ARG:HD2	17	0.36
(1,2436)	1:4:A:THR:HG23	1:38:A:ARG:HD3	17	0.36
(1,2382)	1:43:A:ALA:H	1:47:A:ALA:HA	14	0.36
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG21	12	0.36
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG22	12	0.36
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG23	12	0.36
(1,2357)	1:3:A:THR:HB	1:4:A:THR:H	1	0.36
(1,2356)	1:3:A:THR:HB	1:145:A:PRO:HB3	4	0.36
(1,2310)	1:32:A:VAL:HG11	1:135:A:ALA:H	6	0.36
(1,2310)	1:32:A:VAL:HG12	1:135:A:ALA:H	6	0.36
(1,2310)	1:32:A:VAL:HG13	1:135:A:ALA:H	6	0.36
(1,2240)	1:20:A:ALA:HA	1:65:A:VAL:HB	14	0.36
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB1	12	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB2	12	0.36
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB3	12	0.36
(1,1961)	1:98:A:ASN:HD21	1:141:A:GLY:HA3	8	0.36
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD11	13	0.36
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD12	13	0.36
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD13	13	0.36
(1,1885)	1:79:A:ASP:H	1:81:A:GLY:H	11	0.36
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE1	1	0.36
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE2	1	0.36
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE1	6	0.36
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE2	6	0.36
(1,1590)	1:13:A:LYS:H	1:14:A:GLY:H	3	0.36
(1,1590)	1:13:A:LYS:H	1:14:A:GLY:H	17	0.36
(1,1580)	1:138:A:PHE:H	1:139:A:ALA:H	16	0.36
(1,1578)	1:137:A:TYR:HB3	1:138:A:PHE:HB2	17	0.36
(1,1469)	1:104:A:LEU:HD21	1:136:A:ARG:HE	12	0.36
(1,1469)	1:104:A:LEU:HD22	1:136:A:ARG:HE	12	0.36
(1,1469)	1:104:A:LEU:HD23	1:136:A:ARG:HE	12	0.36
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE1	11	0.36
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE2	11	0.36
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE1	11	0.36
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE2	11	0.36
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE1	11	0.36
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE2	11	0.36
(1,1322)	1:4:A:THR:HG21	1:36:A:GLN:HG3	15	0.36
(1,1322)	1:4:A:THR:HG22	1:36:A:GLN:HG3	15	0.36
(1,1322)	1:4:A:THR:HG23	1:36:A:GLN:HG3	15	0.36
(1,1289)	1:32:A:VAL:HG21	1:55:A:ASN:H	6	0.36
(1,1289)	1:32:A:VAL:HG22	1:55:A:ASN:H	6	0.36
(1,1289)	1:32:A:VAL:HG23	1:55:A:ASN:H	6	0.36
(1,1261)	1:16:A:VAL:HB	1:17:A:VAL:H	10	0.36
(1,1257)	1:158:A:TYR:H	1:158:A:TYR:HB2	9	0.36
(1,1085)	1:34:A:LEU:HA	1:52:A:VAL:HB	18	0.36
(1,1000)	1:6:A:ASN:H	1:6:A:ASN:HB2	15	0.36
(1,980)	1:50:A:SER:H	1:137:A:TYR:HD1	1	0.36
(1,980)	1:50:A:SER:H	1:137:A:TYR:HD2	1	0.36
(1,980)	1:50:A:SER:H	1:137:A:TYR:HD1	6	0.36
(1,980)	1:50:A:SER:H	1:137:A:TYR:HD2	6	0.36
(1,963)	1:32:A:VAL:HG21	1:54:A:PHE:HA	10	0.36
(1,963)	1:32:A:VAL:HG22	1:54:A:PHE:HA	10	0.36
(1,963)	1:32:A:VAL:HG23	1:54:A:PHE:HA	10	0.36
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG21	13	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG22	13	0.36
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG23	13	0.36
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG21	13	0.36
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG22	13	0.36
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG23	13	0.36
(1,845)	1:28:A:VAL:HA	1:154:A:PHE:HE1	7	0.36
(1,845)	1:28:A:VAL:HA	1:154:A:PHE:HE2	7	0.36
(1,830)	1:14:A:GLY:HA2	1:15:A:GLU:HA	10	0.36
(1,774)	1:8:A:GLY:H	1:148:A:ALA:H	14	0.36
(1,620)	1:103:A:ILE:HG21	1:152:A:ALA:HB1	2	0.36
(1,620)	1:103:A:ILE:HG21	1:152:A:ALA:HB2	2	0.36
(1,620)	1:103:A:ILE:HG21	1:152:A:ALA:HB3	2	0.36
(1,620)	1:103:A:ILE:HG22	1:152:A:ALA:HB1	2	0.36
(1,620)	1:103:A:ILE:HG22	1:152:A:ALA:HB2	2	0.36
(1,620)	1:103:A:ILE:HG22	1:152:A:ALA:HB3	2	0.36
(1,620)	1:103:A:ILE:HG23	1:152:A:ALA:HB1	2	0.36
(1,620)	1:103:A:ILE:HG23	1:152:A:ALA:HB2	2	0.36
(1,620)	1:103:A:ILE:HG23	1:152:A:ALA:HB3	2	0.36
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD2	7	0.36
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD3	7	0.36
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD2	11	0.36
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD3	11	0.36
(1,494)	1:19:A:ALA:HA	1:20:A:ALA:H	5	0.36
(1,494)	1:19:A:ALA:HA	1:20:A:ALA:H	6	0.36
(1,494)	1:19:A:ALA:HA	1:20:A:ALA:H	16	0.36
(1,494)	1:19:A:ALA:HA	1:20:A:ALA:H	18	0.36
(1,389)	1:20:A:ALA:HB1	1:66:A:ALA:H	19	0.36
(1,389)	1:20:A:ALA:HB2	1:66:A:ALA:H	19	0.36
(1,389)	1:20:A:ALA:HB3	1:66:A:ALA:H	19	0.36
(1,373)	1:78:A:ILE:HD11	1:100:A:GLY:HA2	13	0.36
(1,373)	1:78:A:ILE:HD12	1:100:A:GLY:HA2	13	0.36
(1,373)	1:78:A:ILE:HD13	1:100:A:GLY:HA2	13	0.36
(1,373)	1:78:A:ILE:HD11	1:100:A:GLY:HA2	17	0.36
(1,373)	1:78:A:ILE:HD12	1:100:A:GLY:HA2	17	0.36
(1,373)	1:78:A:ILE:HD13	1:100:A:GLY:HA2	17	0.36
(1,359)	1:113:A:LEU:HD11	1:151:A:ASP:H	8	0.36
(1,359)	1:113:A:LEU:HD12	1:151:A:ASP:H	8	0.36
(1,359)	1:113:A:LEU:HD13	1:151:A:ASP:H	8	0.36
(1,359)	1:113:A:LEU:HD21	1:151:A:ASP:H	8	0.36
(1,359)	1:113:A:LEU:HD22	1:151:A:ASP:H	8	0.36
(1,359)	1:113:A:LEU:HD23	1:151:A:ASP:H	8	0.36
(1,354)	1:99:A:VAL:HG21	1:137:A:TYR:HD1	5	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,354)	1:99:A:VAL:HG21	1:137:A:TYR:HD2	5	0.36
(1,354)	1:99:A:VAL:HG22	1:137:A:TYR:HD1	5	0.36
(1,354)	1:99:A:VAL:HG22	1:137:A:TYR:HD2	5	0.36
(1,354)	1:99:A:VAL:HG23	1:137:A:TYR:HD1	5	0.36
(1,354)	1:99:A:VAL:HG23	1:137:A:TYR:HD2	5	0.36
(1,351)	1:92:A:ALA:HA	1:95:A:SER:HB2	9	0.36
(1,351)	1:92:A:ALA:HA	1:95:A:SER:HB3	9	0.36
(1,350)	1:90:A:SER:HA	1:93:A:ALA:H	11	0.36
(1,334)	1:16:A:VAL:HG11	1:23:A:VAL:HB	7	0.36
(1,334)	1:16:A:VAL:HG12	1:23:A:VAL:HB	7	0.36
(1,334)	1:16:A:VAL:HG13	1:23:A:VAL:HB	7	0.36
(1,334)	1:16:A:VAL:HG21	1:23:A:VAL:HB	7	0.36
(1,334)	1:16:A:VAL:HG22	1:23:A:VAL:HB	7	0.36
(1,334)	1:16:A:VAL:HG23	1:23:A:VAL:HB	7	0.36
(1,334)	1:16:A:VAL:HG11	1:23:A:VAL:HB	9	0.36
(1,334)	1:16:A:VAL:HG12	1:23:A:VAL:HB	9	0.36
(1,334)	1:16:A:VAL:HG13	1:23:A:VAL:HB	9	0.36
(1,334)	1:16:A:VAL:HG21	1:23:A:VAL:HB	9	0.36
(1,334)	1:16:A:VAL:HG22	1:23:A:VAL:HB	9	0.36
(1,334)	1:16:A:VAL:HG23	1:23:A:VAL:HB	9	0.36
(1,330)	1:131:A:ILE:HG21	1:133:A:PHE:HB2	1	0.36
(1,330)	1:131:A:ILE:HG22	1:133:A:PHE:HB2	1	0.36
(1,330)	1:131:A:ILE:HG23	1:133:A:PHE:HB2	1	0.36
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD1	1	0.36
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD2	1	0.36
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD1	1	0.36
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD2	1	0.36
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD1	1	0.36
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD2	1	0.36
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG21	12	0.36
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG22	12	0.36
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG23	12	0.36
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG21	19	0.36
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG22	19	0.36
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG23	19	0.36
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG21	20	0.36
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG22	20	0.36
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG23	20	0.36
(1,293)	1:16:A:VAL:HA	1:155:A:LYS:HA	7	0.36
(1,293)	1:16:A:VAL:HA	1:155:A:LYS:HA	11	0.36
(1,285)	1:96:A:ALA:HB1	1:144:A:THR:HB	12	0.36
(1,285)	1:96:A:ALA:HB2	1:144:A:THR:HB	12	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,285)	1:96:A:ALA:HB3	1:144:A:THR:HB	12	0.36
(1,269)	1:34:A:LEU:HA	1:52:A:VAL:HA	7	0.36
(1,220)	1:70:A:ALA:H	1:121:A:GLU:HA	7	0.36
(1,200)	1:32:A:VAL:HA	1:34:A:LEU:H	15	0.36
(1,199)	1:17:A:VAL:HG11	1:155:A:LYS:HB2	2	0.36
(1,199)	1:17:A:VAL:HG12	1:155:A:LYS:HB2	2	0.36
(1,199)	1:17:A:VAL:HG13	1:155:A:LYS:HB2	2	0.36
(1,181)	1:74:A:LEU:HG	1:115:A:GLY:HA2	5	0.36
(1,181)	1:74:A:LEU:HG	1:115:A:GLY:HA2	19	0.36
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG21	1	0.36
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG22	1	0.36
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG23	1	0.36
(1,176)	1:32:A:VAL:HG11	1:54:A:PHE:HB2	14	0.36
(1,176)	1:32:A:VAL:HG11	1:54:A:PHE:HB3	14	0.36
(1,176)	1:32:A:VAL:HG12	1:54:A:PHE:HB2	14	0.36
(1,176)	1:32:A:VAL:HG12	1:54:A:PHE:HB3	14	0.36
(1,176)	1:32:A:VAL:HG13	1:54:A:PHE:HB2	14	0.36
(1,176)	1:32:A:VAL:HG13	1:54:A:PHE:HB3	14	0.36
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG21	7	0.36
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG22	7	0.36
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG23	7	0.36
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG21	9	0.36
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG22	9	0.36
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG23	9	0.36
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG21	17	0.36
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG22	17	0.36
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG23	17	0.36
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG21	20	0.36
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG22	20	0.36
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG23	20	0.36
(1,131)	1:14:A:GLY:HA2	1:154:A:PHE:H	13	0.36
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG11	11	0.36
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG12	11	0.36
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG13	11	0.36
(1,54)	1:74:A:LEU:HG	1:152:A:ALA:HA	18	0.36
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD11	18	0.35
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD12	18	0.35
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD13	18	0.35
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD11	18	0.35
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD12	18	0.35
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD13	18	0.35
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD11	18	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD12	18	0.35
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD13	18	0.35
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD11	18	0.35
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD12	18	0.35
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD13	18	0.35
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD11	18	0.35
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD12	18	0.35
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD13	18	0.35
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD11	18	0.35
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD12	18	0.35
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD13	18	0.35
(1,2976)	1:27:A:SER:HB2	1:28:A:VAL:HB	10	0.35
(1,2976)	1:27:A:SER:HB3	1:28:A:VAL:HB	10	0.35
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG11	2	0.35
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG12	2	0.35
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG13	2	0.35
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG21	2	0.35
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG22	2	0.35
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG23	2	0.35
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG11	2	0.35
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG12	2	0.35
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG13	2	0.35
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG21	2	0.35
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG22	2	0.35
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG23	2	0.35
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG11	2	0.35
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG12	2	0.35
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG13	2	0.35
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG21	2	0.35
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG22	2	0.35
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG23	2	0.35
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG11	10	0.35
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG12	10	0.35
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG13	10	0.35
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG21	10	0.35
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG22	10	0.35
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG23	10	0.35
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG11	10	0.35
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG12	10	0.35
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG13	10	0.35
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG21	10	0.35
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG22	10	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG23	10	0.35
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG11	10	0.35
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG12	10	0.35
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG13	10	0.35
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG21	10	0.35
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG22	10	0.35
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG23	10	0.35
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG11	4	0.35
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG12	4	0.35
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG13	4	0.35
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG21	4	0.35
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG22	4	0.35
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG23	4	0.35
(1,2801)	1:4:A:THR:HG21	1:38:A:ARG:HG2	16	0.35
(1,2801)	1:4:A:THR:HG21	1:38:A:ARG:HG3	16	0.35
(1,2801)	1:4:A:THR:HG22	1:38:A:ARG:HG2	16	0.35
(1,2801)	1:4:A:THR:HG22	1:38:A:ARG:HG3	16	0.35
(1,2801)	1:4:A:THR:HG23	1:38:A:ARG:HG2	16	0.35
(1,2801)	1:4:A:THR:HG23	1:38:A:ARG:HG3	16	0.35
(1,2792)	1:9:A:THR:HG21	1:32:A:VAL:H	9	0.35
(1,2792)	1:9:A:THR:HG22	1:32:A:VAL:H	9	0.35
(1,2792)	1:9:A:THR:HG23	1:32:A:VAL:H	9	0.35
(1,2792)	1:9:A:THR:HG21	1:32:A:VAL:H	16	0.35
(1,2792)	1:9:A:THR:HG22	1:32:A:VAL:H	16	0.35
(1,2792)	1:9:A:THR:HG23	1:32:A:VAL:H	16	0.35
(1,2790)	1:9:A:THR:HA	1:34:A:LEU:HG	3	0.35
(1,2790)	1:9:A:THR:HA	1:34:A:LEU:HG	16	0.35
(1,2766)	1:98:A:ASN:HD22	1:142:A:ALA:H	3	0.35
(1,2766)	1:98:A:ASN:HD22	1:142:A:ALA:H	9	0.35
(1,2705)	1:86:A:LEU:HD21	1:101:A:VAL:H	4	0.35
(1,2705)	1:86:A:LEU:HD22	1:101:A:VAL:H	4	0.35
(1,2705)	1:86:A:LEU:HD23	1:101:A:VAL:H	4	0.35
(1,2547)	1:69:A:ALA:HB1	1:158:A:TYR:HE1	16	0.35
(1,2547)	1:69:A:ALA:HB1	1:158:A:TYR:HE2	16	0.35
(1,2547)	1:69:A:ALA:HB2	1:158:A:TYR:HE1	16	0.35
(1,2547)	1:69:A:ALA:HB2	1:158:A:TYR:HE2	16	0.35
(1,2547)	1:69:A:ALA:HB3	1:158:A:TYR:HE1	16	0.35
(1,2547)	1:69:A:ALA:HB3	1:158:A:TYR:HE2	16	0.35
(1,2310)	1:32:A:VAL:HG11	1:135:A:ALA:H	20	0.35
(1,2310)	1:32:A:VAL:HG12	1:135:A:ALA:H	20	0.35
(1,2310)	1:32:A:VAL:HG13	1:135:A:ALA:H	20	0.35
(1,2229)	1:18:A:ASN:H	1:18:A:ASN:HD21	10	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD11	5	0.35
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD12	5	0.35
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD13	5	0.35
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD11	6	0.35
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD12	6	0.35
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD13	6	0.35
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD11	7	0.35
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD12	7	0.35
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD13	7	0.35
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD11	14	0.35
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD12	14	0.35
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD13	14	0.35
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD11	20	0.35
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD12	20	0.35
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD13	20	0.35
(1,1688)	1:34:A:LEU:HD21	1:136:A:ARG:H	6	0.35
(1,1688)	1:34:A:LEU:HD22	1:136:A:ARG:H	6	0.35
(1,1688)	1:34:A:LEU:HD23	1:136:A:ARG:H	6	0.35
(1,1673)	1:29:A:ASP:H	1:30:A:GLN:HG2	7	0.35
(1,1652)	1:23:A:VAL:H	1:58:A:LEU:HB3	8	0.35
(1,1634)	1:16:A:VAL:H	1:155:A:LYS:HA	19	0.35
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE1	16	0.35
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE2	16	0.35
(1,1590)	1:13:A:LYS:H	1:14:A:GLY:H	14	0.35
(1,1590)	1:13:A:LYS:H	1:14:A:GLY:H	18	0.35
(1,1590)	1:13:A:LYS:H	1:14:A:GLY:H	20	0.35
(1,1580)	1:138:A:PHE:H	1:139:A:ALA:H	5	0.35
(1,1580)	1:138:A:PHE:H	1:139:A:ALA:H	12	0.35
(1,1580)	1:138:A:PHE:H	1:139:A:ALA:H	19	0.35
(1,1469)	1:104:A:LEU:HD21	1:136:A:ARG:HE	1	0.35
(1,1469)	1:104:A:LEU:HD22	1:136:A:ARG:HE	1	0.35
(1,1469)	1:104:A:LEU:HD23	1:136:A:ARG:HE	1	0.35
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD1	1	0.35
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD2	1	0.35
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD1	1	0.35
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD2	1	0.35
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD1	1	0.35
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD2	1	0.35
(1,1407)	1:89:A:GLN:HB2	1:90:A:SER:H	2	0.35
(1,1407)	1:89:A:GLN:HB2	1:90:A:SER:H	4	0.35
(1,1407)	1:89:A:GLN:HB2	1:90:A:SER:H	10	0.35
(1,1407)	1:89:A:GLN:HB2	1:90:A:SER:H	15	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1377)	1:74:A:LEU:HB3	1:153:A:THR:HB	1	0.35
(1,1377)	1:74:A:LEU:HB3	1:153:A:THR:HB	11	0.35
(1,1211)	1:124:A:LEU:HD11	1:159:A:GLN:H	2	0.35
(1,1211)	1:124:A:LEU:HD12	1:159:A:GLN:H	2	0.35
(1,1211)	1:124:A:LEU:HD13	1:159:A:GLN:H	2	0.35
(1,1211)	1:124:A:LEU:HD21	1:159:A:GLN:H	2	0.35
(1,1211)	1:124:A:LEU:HD22	1:159:A:GLN:H	2	0.35
(1,1211)	1:124:A:LEU:HD23	1:159:A:GLN:H	2	0.35
(1,1098)	1:48:A:THR:HB	1:49:A:SER:H	17	0.35
(1,1000)	1:6:A:ASN:H	1:6:A:ASN:HB2	13	0.35
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB1	17	0.35
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB2	17	0.35
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB3	17	0.35
(1,878)	1:67:A:SER:H	1:159:A:GLN:H	11	0.35
(1,877)	1:65:A:VAL:HB	1:66:A:ALA:H	12	0.35
(1,845)	1:28:A:VAL:HA	1:154:A:PHE:HE1	9	0.35
(1,845)	1:28:A:VAL:HA	1:154:A:PHE:HE2	9	0.35
(1,830)	1:14:A:GLY:HA2	1:15:A:GLU:HA	17	0.35
(1,725)	1:19:A:ALA:HB1	1:21:A:CYS:H	9	0.35
(1,725)	1:19:A:ALA:HB2	1:21:A:CYS:H	9	0.35
(1,725)	1:19:A:ALA:HB3	1:21:A:CYS:H	9	0.35
(1,681)	1:90:A:SER:H	1:91:A:SER:H	9	0.35
(1,620)	1:103:A:ILE:HG21	1:152:A:ALA:HB1	13	0.35
(1,620)	1:103:A:ILE:HG21	1:152:A:ALA:HB2	13	0.35
(1,620)	1:103:A:ILE:HG21	1:152:A:ALA:HB3	13	0.35
(1,620)	1:103:A:ILE:HG22	1:152:A:ALA:HB1	13	0.35
(1,620)	1:103:A:ILE:HG22	1:152:A:ALA:HB2	13	0.35
(1,620)	1:103:A:ILE:HG22	1:152:A:ALA:HB3	13	0.35
(1,620)	1:103:A:ILE:HG23	1:152:A:ALA:HB1	13	0.35
(1,620)	1:103:A:ILE:HG23	1:152:A:ALA:HB2	13	0.35
(1,620)	1:103:A:ILE:HG23	1:152:A:ALA:HB3	13	0.35
(1,545)	1:70:A:ALA:HA	1:157:A:GLN:HB3	7	0.35
(1,494)	1:19:A:ALA:HA	1:20:A:ALA:H	1	0.35
(1,494)	1:19:A:ALA:HA	1:20:A:ALA:H	3	0.35
(1,494)	1:19:A:ALA:HA	1:20:A:ALA:H	11	0.35
(1,389)	1:20:A:ALA:HB1	1:66:A:ALA:H	13	0.35
(1,389)	1:20:A:ALA:HB2	1:66:A:ALA:H	13	0.35
(1,389)	1:20:A:ALA:HB3	1:66:A:ALA:H	13	0.35
(1,336)	1:18:A:ASN:HA	1:19:A:ALA:H	5	0.35
(1,331)	1:14:A:GLY:HA2	1:15:A:GLU:H	5	0.35
(1,331)	1:14:A:GLY:HA2	1:15:A:GLU:H	9	0.35
(1,331)	1:14:A:GLY:HA2	1:15:A:GLU:H	11	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,200)	1:32:A:VAL:HA	1:34:A:LEU:H	5	0.35
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG21	14	0.35
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG22	14	0.35
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG23	14	0.35
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG21	16	0.35
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG22	16	0.35
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG23	16	0.35
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG21	10	0.35
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG22	10	0.35
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG23	10	0.35
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG21	10	0.35
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG22	10	0.35
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG23	10	0.35
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG21	10	0.35
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG22	10	0.35
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG23	10	0.35
(1,54)	1:74:A:LEU:HG	1:152:A:ALA:HA	2	0.35
(1,42)	1:156:A:VAL:HA	1:158:A:TYR:H	2	0.35
(1,39)	1:100:A:GLY:H	1:139:A:ALA:H	1	0.35
(1,19)	1:57:A:GLN:HE22	1:128:A:THR:HG21	1	0.35
(1,19)	1:57:A:GLN:HE22	1:128:A:THR:HG22	1	0.35
(1,19)	1:57:A:GLN:HE22	1:128:A:THR:HG23	1	0.35
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB1	14	0.35
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB2	14	0.35
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB3	14	0.35
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG11	17	0.34
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG12	17	0.34
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG13	17	0.34
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG21	17	0.34
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG22	17	0.34
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG23	17	0.34
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB1	6	0.34
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB2	6	0.34
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB3	6	0.34
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB1	6	0.34
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB2	6	0.34
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB3	6	0.34
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB1	6	0.34
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB2	6	0.34
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB3	6	0.34
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB1	6	0.34
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB2	6	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB3	6	0.34
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB1	6	0.34
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB2	6	0.34
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB3	6	0.34
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB1	6	0.34
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB2	6	0.34
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB3	6	0.34
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB1	15	0.34
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB2	15	0.34
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB3	15	0.34
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB1	15	0.34
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB2	15	0.34
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB3	15	0.34
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB1	15	0.34
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB2	15	0.34
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB3	15	0.34
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB1	15	0.34
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB2	15	0.34
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB3	15	0.34
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB1	15	0.34
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB2	15	0.34
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB3	15	0.34
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB1	15	0.34
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB2	15	0.34
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB3	15	0.34
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB1	19	0.34
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB2	19	0.34
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB3	19	0.34
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB1	19	0.34
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB2	19	0.34
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB3	19	0.34
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB1	19	0.34
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB2	19	0.34
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB3	19	0.34
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB1	19	0.34
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB2	19	0.34
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB3	19	0.34
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB1	19	0.34
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB2	19	0.34
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB3	19	0.34
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB1	19	0.34
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB2	19	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB3	19	0.34
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB2	5	0.34
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB3	5	0.34
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB2	5	0.34
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB3	5	0.34
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB2	5	0.34
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB3	5	0.34
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB2	7	0.34
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB3	7	0.34
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB2	7	0.34
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB3	7	0.34
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB2	7	0.34
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB3	7	0.34
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB2	14	0.34
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB3	14	0.34
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB2	14	0.34
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB3	14	0.34
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB2	14	0.34
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB3	14	0.34
(1,3140)	1:54:A:PHE:HA	1:55:A:ASN:HD21	18	0.34
(1,3140)	1:54:A:PHE:HA	1:55:A:ASN:HD22	18	0.34
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD11	10	0.34
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD12	10	0.34
(1,3133)	1:52:A:VAL:HG11	1:103:A:ILE:HD13	10	0.34
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD11	10	0.34
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD12	10	0.34
(1,3133)	1:52:A:VAL:HG12	1:103:A:ILE:HD13	10	0.34
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD11	10	0.34
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD12	10	0.34
(1,3133)	1:52:A:VAL:HG13	1:103:A:ILE:HD13	10	0.34
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD11	10	0.34
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD12	10	0.34
(1,3133)	1:52:A:VAL:HG21	1:103:A:ILE:HD13	10	0.34
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD11	10	0.34
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD12	10	0.34
(1,3133)	1:52:A:VAL:HG22	1:103:A:ILE:HD13	10	0.34
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD11	10	0.34
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD12	10	0.34
(1,3133)	1:52:A:VAL:HG23	1:103:A:ILE:HD13	10	0.34
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG11	20	0.34
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG12	20	0.34
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG13	20	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG11	20	0.34
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG12	20	0.34
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG13	20	0.34
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG11	20	0.34
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG12	20	0.34
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG13	20	0.34
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG11	20	0.34
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG12	20	0.34
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG13	20	0.34
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG11	20	0.34
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG12	20	0.34
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG13	20	0.34
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG11	20	0.34
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG12	20	0.34
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG13	20	0.34
(1,2992)	1:30:A:GLN:HB2	1:31:A:THR:H	3	0.34
(1,2992)	1:30:A:GLN:HB3	1:31:A:THR:H	3	0.34
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG11	1	0.34
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG12	1	0.34
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG13	1	0.34
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG21	1	0.34
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG22	1	0.34
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG23	1	0.34
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG11	1	0.34
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG12	1	0.34
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG13	1	0.34
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG21	1	0.34
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG22	1	0.34
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG23	1	0.34
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG11	1	0.34
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG12	1	0.34
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG13	1	0.34
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG21	1	0.34
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG22	1	0.34
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG23	1	0.34
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG11	11	0.34
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG12	11	0.34
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG13	11	0.34
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG21	11	0.34
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG22	11	0.34
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG23	11	0.34
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG11	11	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG12	11	0.34
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG13	11	0.34
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG21	11	0.34
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG22	11	0.34
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG23	11	0.34
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG11	11	0.34
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG12	11	0.34
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG13	11	0.34
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG21	11	0.34
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG22	11	0.34
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG23	11	0.34
(1,2879)	1:13:A:LYS:HD2	1:153:A:THR:HG21	15	0.34
(1,2879)	1:13:A:LYS:HD2	1:153:A:THR:HG22	15	0.34
(1,2879)	1:13:A:LYS:HD2	1:153:A:THR:HG23	15	0.34
(1,2879)	1:13:A:LYS:HD3	1:153:A:THR:HG21	15	0.34
(1,2879)	1:13:A:LYS:HD3	1:153:A:THR:HG22	15	0.34
(1,2879)	1:13:A:LYS:HD3	1:153:A:THR:HG23	15	0.34
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD11	19	0.34
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD12	19	0.34
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD13	19	0.34
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD21	19	0.34
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD22	19	0.34
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD23	19	0.34
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD11	19	0.34
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD12	19	0.34
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD13	19	0.34
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD21	19	0.34
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD22	19	0.34
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD23	19	0.34
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD11	19	0.34
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD12	19	0.34
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD13	19	0.34
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD21	19	0.34
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD22	19	0.34
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD23	19	0.34
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD11	19	0.34
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD12	19	0.34
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD13	19	0.34
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD21	19	0.34
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD22	19	0.34
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD23	19	0.34
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD11	19	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD12	19	0.34
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD13	19	0.34
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD21	19	0.34
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD22	19	0.34
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD23	19	0.34
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD11	19	0.34
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD12	19	0.34
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD13	19	0.34
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD21	19	0.34
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD22	19	0.34
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD23	19	0.34
(1,2801)	1:4:A:THR:HG21	1:38:A:ARG:HG2	12	0.34
(1,2801)	1:4:A:THR:HG21	1:38:A:ARG:HG3	12	0.34
(1,2801)	1:4:A:THR:HG22	1:38:A:ARG:HG2	12	0.34
(1,2801)	1:4:A:THR:HG22	1:38:A:ARG:HG3	12	0.34
(1,2801)	1:4:A:THR:HG23	1:38:A:ARG:HG2	12	0.34
(1,2801)	1:4:A:THR:HG23	1:38:A:ARG:HG3	12	0.34
(1,2790)	1:9:A:THR:HA	1:34:A:LEU:HG	6	0.34
(1,2766)	1:98:A:ASN:HD22	1:142:A:ALA:H	5	0.34
(1,2766)	1:98:A:ASN:HD22	1:142:A:ALA:H	17	0.34
(1,2742)	1:96:A:ALA:HA	1:144:A:THR:H	16	0.34
(1,2726)	1:89:A:GLN:HG2	1:90:A:SER:H	8	0.34
(1,2726)	1:89:A:GLN:HG3	1:90:A:SER:H	8	0.34
(1,2403)	1:45:A:GLU:HB3	1:141:A:GLY:H	15	0.34
(1,2382)	1:43:A:ALA:H	1:47:A:ALA:HA	8	0.34
(1,2382)	1:43:A:ALA:H	1:47:A:ALA:HA	11	0.34
(1,2382)	1:43:A:ALA:H	1:47:A:ALA:HA	15	0.34
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG21	19	0.34
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG22	19	0.34
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG23	19	0.34
(1,2357)	1:3:A:THR:HB	1:4:A:THR:H	15	0.34
(1,2357)	1:3:A:THR:HB	1:4:A:THR:H	18	0.34
(1,1961)	1:98:A:ASN:HD21	1:141:A:GLY:HA3	7	0.34
(1,1946)	1:97:A:THR:H	1:143:A:ALA:HB1	19	0.34
(1,1946)	1:97:A:THR:H	1:143:A:ALA:HB2	19	0.34
(1,1946)	1:97:A:THR:H	1:143:A:ALA:HB3	19	0.34
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD11	2	0.34
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD12	2	0.34
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD13	2	0.34
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD11	3	0.34
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD12	3	0.34
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD13	3	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD11	4	0.34
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD12	4	0.34
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD13	4	0.34
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD11	8	0.34
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD12	8	0.34
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD13	8	0.34
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD11	11	0.34
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD12	11	0.34
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD13	11	0.34
(1,1734)	1:48:A:THR:HG21	1:138:A:PHE:H	4	0.34
(1,1734)	1:48:A:THR:HG22	1:138:A:PHE:H	4	0.34
(1,1734)	1:48:A:THR:HG23	1:138:A:PHE:H	4	0.34
(1,1652)	1:23:A:VAL:H	1:58:A:LEU:HB3	16	0.34
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE1	3	0.34
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE2	3	0.34
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE1	11	0.34
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE2	11	0.34
(1,1590)	1:13:A:LYS:H	1:14:A:GLY:H	2	0.34
(1,1590)	1:13:A:LYS:H	1:14:A:GLY:H	4	0.34
(1,1580)	1:138:A:PHE:H	1:139:A:ALA:H	2	0.34
(1,1580)	1:138:A:PHE:H	1:139:A:ALA:H	7	0.34
(1,1580)	1:138:A:PHE:H	1:139:A:ALA:H	15	0.34
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE1	12	0.34
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE2	12	0.34
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE1	12	0.34
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE2	12	0.34
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE1	12	0.34
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE2	12	0.34
(1,1322)	1:4:A:THR:HG21	1:36:A:GLN:HG3	13	0.34
(1,1322)	1:4:A:THR:HG22	1:36:A:GLN:HG3	13	0.34
(1,1322)	1:4:A:THR:HG23	1:36:A:GLN:HG3	13	0.34
(1,1322)	1:4:A:THR:HG21	1:36:A:GLN:HG3	17	0.34
(1,1322)	1:4:A:THR:HG22	1:36:A:GLN:HG3	17	0.34
(1,1322)	1:4:A:THR:HG23	1:36:A:GLN:HG3	17	0.34
(1,1302)	1:3:A:THR:HG21	1:145:A:PRO:HG3	15	0.34
(1,1302)	1:3:A:THR:HG22	1:145:A:PRO:HG3	15	0.34
(1,1302)	1:3:A:THR:HG23	1:145:A:PRO:HG3	15	0.34
(1,1280)	1:27:A:SER:H	1:28:A:VAL:HB	16	0.34
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG21	10	0.34
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG22	10	0.34
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG23	10	0.34
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG21	20	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG22	20	0.34
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG23	20	0.34
(1,1000)	1:6:A:ASN:H	1:6:A:ASN:HB2	5	0.34
(1,958)	1:17:A:VAL:H	1:155:A:LYS:HA	1	0.34
(1,928)	1:116:A:ALA:HA	1:117:A:THR:HB	5	0.34
(1,928)	1:116:A:ALA:HA	1:117:A:THR:HB	10	0.34
(1,877)	1:65:A:VAL:HB	1:66:A:ALA:H	15	0.34
(1,877)	1:65:A:VAL:HB	1:66:A:ALA:H	18	0.34
(1,845)	1:28:A:VAL:HA	1:154:A:PHE:HE1	3	0.34
(1,845)	1:28:A:VAL:HA	1:154:A:PHE:HE2	3	0.34
(1,845)	1:28:A:VAL:HA	1:154:A:PHE:HE1	5	0.34
(1,845)	1:28:A:VAL:HA	1:154:A:PHE:HE2	5	0.34
(1,830)	1:14:A:GLY:HA2	1:15:A:GLU:HA	15	0.34
(1,774)	1:8:A:GLY:H	1:148:A:ALA:H	1	0.34
(1,737)	1:32:A:VAL:HG11	1:34:A:LEU:HA	3	0.34
(1,737)	1:32:A:VAL:HG12	1:34:A:LEU:HA	3	0.34
(1,737)	1:32:A:VAL:HG13	1:34:A:LEU:HA	3	0.34
(1,725)	1:19:A:ALA:HB1	1:21:A:CYS:H	15	0.34
(1,725)	1:19:A:ALA:HB2	1:21:A:CYS:H	15	0.34
(1,725)	1:19:A:ALA:HB3	1:21:A:CYS:H	15	0.34
(1,615)	1:96:A:ALA:HA	1:147:A:ALA:H	6	0.34
(1,517)	1:88:A:LEU:HD21	1:149:A:ASN:H	6	0.34
(1,517)	1:88:A:LEU:HD22	1:149:A:ASN:H	6	0.34
(1,517)	1:88:A:LEU:HD23	1:149:A:ASN:H	6	0.34
(1,494)	1:19:A:ALA:HA	1:20:A:ALA:H	4	0.34
(1,494)	1:19:A:ALA:HA	1:20:A:ALA:H	8	0.34
(1,494)	1:19:A:ALA:HA	1:20:A:ALA:H	12	0.34
(1,494)	1:19:A:ALA:HA	1:20:A:ALA:H	13	0.34
(1,494)	1:19:A:ALA:HA	1:20:A:ALA:H	14	0.34
(1,475)	1:102:A:GLN:HB3	1:136:A:ARG:HG2	7	0.34
(1,475)	1:102:A:GLN:HB3	1:136:A:ARG:HG3	7	0.34
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG21	15	0.34
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG22	15	0.34
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG23	15	0.34
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG21	15	0.34
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG22	15	0.34
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG23	15	0.34
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG21	15	0.34
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG22	15	0.34
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG23	15	0.34
(1,372)	1:71:A:VAL:H	1:71:A:VAL:HB	1	0.34
(1,372)	1:71:A:VAL:H	1:71:A:VAL:HB	3	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,372)	1:71:A:VAL:H	1:71:A:VAL:HB	5	0.34
(1,334)	1:16:A:VAL:HG11	1:23:A:VAL:HB	4	0.34
(1,334)	1:16:A:VAL:HG12	1:23:A:VAL:HB	4	0.34
(1,334)	1:16:A:VAL:HG13	1:23:A:VAL:HB	4	0.34
(1,334)	1:16:A:VAL:HG21	1:23:A:VAL:HB	4	0.34
(1,334)	1:16:A:VAL:HG22	1:23:A:VAL:HB	4	0.34
(1,334)	1:16:A:VAL:HG23	1:23:A:VAL:HB	4	0.34
(1,331)	1:14:A:GLY:HA2	1:15:A:GLU:H	3	0.34
(1,299)	1:70:A:ALA:HB1	1:157:A:GLN:HB3	5	0.34
(1,299)	1:70:A:ALA:HB2	1:157:A:GLN:HB3	5	0.34
(1,299)	1:70:A:ALA:HB3	1:157:A:GLN:HB3	5	0.34
(1,293)	1:16:A:VAL:HA	1:155:A:LYS:HA	8	0.34
(1,220)	1:70:A:ALA:H	1:121:A:GLU:HA	11	0.34
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG21	11	0.34
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG22	11	0.34
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG23	11	0.34
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG21	19	0.34
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG22	19	0.34
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG23	19	0.34
(1,85)	1:100:A:GLY:H	1:138:A:PHE:HD1	10	0.34
(1,85)	1:100:A:GLY:H	1:138:A:PHE:HD2	10	0.34
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG11	15	0.34
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG12	15	0.34
(1,64)	1:70:A:ALA:HA	1:156:A:VAL:HG13	15	0.34
(1,50)	1:24:A:ASP:H	1:28:A:VAL:H	9	0.34
(1,42)	1:156:A:VAL:HA	1:158:A:TYR:H	6	0.34
(1,39)	1:100:A:GLY:H	1:139:A:ALA:H	19	0.34
(1,1)	1:112:A:THR:HB	1:116:A:ALA:H	19	0.34
(1,3468)	1:118:A:PHE:HD1	1:157:A:GLN:HG2	7	0.33
(1,3468)	1:118:A:PHE:HD1	1:157:A:GLN:HG3	7	0.33
(1,3468)	1:118:A:PHE:HD2	1:157:A:GLN:HG2	7	0.33
(1,3468)	1:118:A:PHE:HD2	1:157:A:GLN:HG3	7	0.33
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB2	10	0.33
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB3	10	0.33
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB2	10	0.33
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB3	10	0.33
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB2	10	0.33
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB3	10	0.33
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB2	17	0.33
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB3	17	0.33
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB2	17	0.33
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB3	17	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB2	17	0.33
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB3	17	0.33
(1,3191)	1:62:A:ASP:HB2	1:65:A:VAL:HB	19	0.33
(1,3191)	1:62:A:ASP:HB3	1:65:A:VAL:HB	19	0.33
(1,3135)	1:52:A:VAL:HG11	1:134:A:GLN:HB3	17	0.33
(1,3135)	1:52:A:VAL:HG12	1:134:A:GLN:HB3	17	0.33
(1,3135)	1:52:A:VAL:HG13	1:134:A:GLN:HB3	17	0.33
(1,3135)	1:52:A:VAL:HG21	1:134:A:GLN:HB3	17	0.33
(1,3135)	1:52:A:VAL:HG22	1:134:A:GLN:HB3	17	0.33
(1,3135)	1:52:A:VAL:HG23	1:134:A:GLN:HB3	17	0.33
(1,2988)	1:28:A:VAL:HG11	1:154:A:PHE:HE1	8	0.33
(1,2988)	1:28:A:VAL:HG11	1:154:A:PHE:HE2	8	0.33
(1,2988)	1:28:A:VAL:HG12	1:154:A:PHE:HE1	8	0.33
(1,2988)	1:28:A:VAL:HG12	1:154:A:PHE:HE2	8	0.33
(1,2988)	1:28:A:VAL:HG13	1:154:A:PHE:HE1	8	0.33
(1,2988)	1:28:A:VAL:HG13	1:154:A:PHE:HE2	8	0.33
(1,2988)	1:28:A:VAL:HG21	1:154:A:PHE:HE1	8	0.33
(1,2988)	1:28:A:VAL:HG21	1:154:A:PHE:HE2	8	0.33
(1,2988)	1:28:A:VAL:HG22	1:154:A:PHE:HE1	8	0.33
(1,2988)	1:28:A:VAL:HG22	1:154:A:PHE:HE2	8	0.33
(1,2988)	1:28:A:VAL:HG23	1:154:A:PHE:HE1	8	0.33
(1,2988)	1:28:A:VAL:HG23	1:154:A:PHE:HE2	8	0.33
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG11	14	0.33
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG12	14	0.33
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG13	14	0.33
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG21	14	0.33
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG22	14	0.33
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG23	14	0.33
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG11	14	0.33
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG12	14	0.33
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG13	14	0.33
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG21	14	0.33
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG22	14	0.33
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG23	14	0.33
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG11	14	0.33
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG12	14	0.33
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG13	14	0.33
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG21	14	0.33
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG22	14	0.33
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG23	14	0.33
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG11	19	0.33
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG12	19	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG13	19	0.33
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG21	19	0.33
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG22	19	0.33
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG23	19	0.33
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG11	19	0.33
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG12	19	0.33
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG13	19	0.33
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG21	19	0.33
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG22	19	0.33
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG23	19	0.33
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG11	19	0.33
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG12	19	0.33
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG13	19	0.33
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG21	19	0.33
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG22	19	0.33
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG23	19	0.33
(1,2879)	1:13:A:LYS:HD2	1:153:A:THR:HG21	4	0.33
(1,2879)	1:13:A:LYS:HD2	1:153:A:THR:HG22	4	0.33
(1,2879)	1:13:A:LYS:HD2	1:153:A:THR:HG23	4	0.33
(1,2879)	1:13:A:LYS:HD3	1:153:A:THR:HG21	4	0.33
(1,2879)	1:13:A:LYS:HD3	1:153:A:THR:HG22	4	0.33
(1,2879)	1:13:A:LYS:HD3	1:153:A:THR:HG23	4	0.33
(1,2853)	1:10:A:VAL:HG11	1:32:A:VAL:HA	9	0.33
(1,2853)	1:10:A:VAL:HG12	1:32:A:VAL:HA	9	0.33
(1,2853)	1:10:A:VAL:HG13	1:32:A:VAL:HA	9	0.33
(1,2853)	1:10:A:VAL:HG21	1:32:A:VAL:HA	9	0.33
(1,2853)	1:10:A:VAL:HG22	1:32:A:VAL:HA	9	0.33
(1,2853)	1:10:A:VAL:HG23	1:32:A:VAL:HA	9	0.33
(1,2853)	1:10:A:VAL:HG11	1:32:A:VAL:HA	12	0.33
(1,2853)	1:10:A:VAL:HG12	1:32:A:VAL:HA	12	0.33
(1,2853)	1:10:A:VAL:HG13	1:32:A:VAL:HA	12	0.33
(1,2853)	1:10:A:VAL:HG21	1:32:A:VAL:HA	12	0.33
(1,2853)	1:10:A:VAL:HG22	1:32:A:VAL:HA	12	0.33
(1,2853)	1:10:A:VAL:HG23	1:32:A:VAL:HA	12	0.33
(1,2853)	1:10:A:VAL:HG11	1:32:A:VAL:HA	14	0.33
(1,2853)	1:10:A:VAL:HG12	1:32:A:VAL:HA	14	0.33
(1,2853)	1:10:A:VAL:HG13	1:32:A:VAL:HA	14	0.33
(1,2853)	1:10:A:VAL:HG21	1:32:A:VAL:HA	14	0.33
(1,2853)	1:10:A:VAL:HG22	1:32:A:VAL:HA	14	0.33
(1,2853)	1:10:A:VAL:HG23	1:32:A:VAL:HA	14	0.33
(1,2726)	1:89:A:GLN:HG2	1:90:A:SER:H	19	0.33
(1,2726)	1:89:A:GLN:HG3	1:90:A:SER:H	19	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2709)	1:87:A:ALA:HA	1:88:A:LEU:HG	13	0.33
(1,2382)	1:43:A:ALA:H	1:47:A:ALA:HA	7	0.33
(1,2382)	1:43:A:ALA:H	1:47:A:ALA:HA	13	0.33
(1,2382)	1:43:A:ALA:H	1:47:A:ALA:HA	18	0.33
(1,2357)	1:3:A:THR:HB	1:4:A:THR:H	6	0.33
(1,2240)	1:20:A:ALA:HA	1:65:A:VAL:HB	16	0.33
(1,2159)	1:139:A:ALA:H	1:143:A:ALA:HB1	7	0.33
(1,2159)	1:139:A:ALA:H	1:143:A:ALA:HB2	7	0.33
(1,2159)	1:139:A:ALA:H	1:143:A:ALA:HB3	7	0.33
(1,2122)	1:130:A:THR:H	1:130:A:THR:HB	2	0.33
(1,2044)	1:10:A:VAL:HB	1:32:A:VAL:HB	10	0.33
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB1	6	0.33
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB2	6	0.33
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB3	6	0.33
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB1	13	0.33
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB2	13	0.33
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB3	13	0.33
(1,1945)	1:97:A:THR:H	1:143:A:ALA:HA	4	0.33
(1,1938)	1:95:A:SER:HA	1:148:A:ALA:HB1	13	0.33
(1,1938)	1:95:A:SER:HA	1:148:A:ALA:HB2	13	0.33
(1,1938)	1:95:A:SER:HA	1:148:A:ALA:HB3	13	0.33
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD11	1	0.33
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD12	1	0.33
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD13	1	0.33
(1,1920)	1:89:A:GLN:HA	1:89:A:GLN:HE21	17	0.33
(1,1885)	1:79:A:ASP:H	1:81:A:GLY:H	7	0.33
(1,1734)	1:48:A:THR:HG21	1:138:A:PHE:H	8	0.33
(1,1734)	1:48:A:THR:HG22	1:138:A:PHE:H	8	0.33
(1,1734)	1:48:A:THR:HG23	1:138:A:PHE:H	8	0.33
(1,1634)	1:16:A:VAL:H	1:155:A:LYS:HA	3	0.33
(1,1634)	1:16:A:VAL:H	1:155:A:LYS:HA	15	0.33
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE1	7	0.33
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE2	7	0.33
(1,1590)	1:13:A:LYS:H	1:14:A:GLY:H	1	0.33
(1,1590)	1:13:A:LYS:H	1:14:A:GLY:H	10	0.33
(1,1590)	1:13:A:LYS:H	1:14:A:GLY:H	13	0.33
(1,1580)	1:138:A:PHE:H	1:139:A:ALA:H	11	0.33
(1,1580)	1:138:A:PHE:H	1:139:A:ALA:H	17	0.33
(1,1578)	1:137:A:TYR:HB3	1:138:A:PHE:HB2	14	0.33
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE1	8	0.33
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE2	8	0.33
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE1	8	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE2	8	0.33
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE1	8	0.33
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE2	8	0.33
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD1	13	0.33
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD2	13	0.33
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD1	13	0.33
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD2	13	0.33
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD1	13	0.33
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD2	13	0.33
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD1	15	0.33
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD2	15	0.33
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD1	15	0.33
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD2	15	0.33
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD1	15	0.33
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD2	15	0.33
(1,1407)	1:89:A:GLN:HB2	1:90:A:SER:H	14	0.33
(1,1377)	1:74:A:LEU:HB3	1:153:A:THR:HB	17	0.33
(1,1322)	1:4:A:THR:HG21	1:36:A:GLN:HG3	2	0.33
(1,1322)	1:4:A:THR:HG22	1:36:A:GLN:HG3	2	0.33
(1,1322)	1:4:A:THR:HG23	1:36:A:GLN:HG3	2	0.33
(1,1322)	1:4:A:THR:HG21	1:36:A:GLN:HG3	9	0.33
(1,1322)	1:4:A:THR:HG22	1:36:A:GLN:HG3	9	0.33
(1,1322)	1:4:A:THR:HG23	1:36:A:GLN:HG3	9	0.33
(1,1322)	1:4:A:THR:HG21	1:36:A:GLN:HG3	11	0.33
(1,1322)	1:4:A:THR:HG22	1:36:A:GLN:HG3	11	0.33
(1,1322)	1:4:A:THR:HG23	1:36:A:GLN:HG3	11	0.33
(1,1302)	1:3:A:THR:HG21	1:145:A:PRO:HG3	1	0.33
(1,1302)	1:3:A:THR:HG22	1:145:A:PRO:HG3	1	0.33
(1,1302)	1:3:A:THR:HG23	1:145:A:PRO:HG3	1	0.33
(1,1302)	1:3:A:THR:HG21	1:145:A:PRO:HG3	5	0.33
(1,1302)	1:3:A:THR:HG22	1:145:A:PRO:HG3	5	0.33
(1,1302)	1:3:A:THR:HG23	1:145:A:PRO:HG3	5	0.33
(1,1302)	1:3:A:THR:HG21	1:145:A:PRO:HG3	13	0.33
(1,1302)	1:3:A:THR:HG22	1:145:A:PRO:HG3	13	0.33
(1,1302)	1:3:A:THR:HG23	1:145:A:PRO:HG3	13	0.33
(1,1289)	1:32:A:VAL:HG21	1:55:A:ASN:H	1	0.33
(1,1289)	1:32:A:VAL:HG22	1:55:A:ASN:H	1	0.33
(1,1289)	1:32:A:VAL:HG23	1:55:A:ASN:H	1	0.33
(1,1261)	1:16:A:VAL:HB	1:17:A:VAL:H	1	0.33
(1,1261)	1:16:A:VAL:HB	1:17:A:VAL:H	6	0.33
(1,1261)	1:16:A:VAL:HB	1:17:A:VAL:H	9	0.33
(1,928)	1:116:A:ALA:HA	1:117:A:THR:HB	2	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,928)	1:116:A:ALA:HA	1:117:A:THR:HB	6	0.33
(1,928)	1:116:A:ALA:HA	1:117:A:THR:HB	9	0.33
(1,928)	1:116:A:ALA:HA	1:117:A:THR:HB	16	0.33
(1,845)	1:28:A:VAL:HA	1:154:A:PHE:HE1	6	0.33
(1,845)	1:28:A:VAL:HA	1:154:A:PHE:HE2	6	0.33
(1,830)	1:14:A:GLY:HA2	1:15:A:GLU:HA	7	0.33
(1,830)	1:14:A:GLY:HA2	1:15:A:GLU:HA	14	0.33
(1,830)	1:14:A:GLY:HA2	1:15:A:GLU:HA	16	0.33
(1,796)	1:106:A:ARG:HE	1:120:A:SER:HB3	19	0.33
(1,774)	1:8:A:GLY:H	1:148:A:ALA:H	9	0.33
(1,774)	1:8:A:GLY:H	1:148:A:ALA:H	15	0.33
(1,725)	1:19:A:ALA:HB1	1:21:A:CYS:H	4	0.33
(1,725)	1:19:A:ALA:HB2	1:21:A:CYS:H	4	0.33
(1,725)	1:19:A:ALA:HB3	1:21:A:CYS:H	4	0.33
(1,571)	1:15:A:GLU:H	1:15:A:GLU:HB2	14	0.33
(1,519)	1:90:A:SER:HA	1:95:A:SER:HA	3	0.33
(1,519)	1:90:A:SER:HA	1:95:A:SER:HA	11	0.33
(1,494)	1:19:A:ALA:HA	1:20:A:ALA:H	9	0.33
(1,494)	1:19:A:ALA:HA	1:20:A:ALA:H	10	0.33
(1,494)	1:19:A:ALA:HA	1:20:A:ALA:H	15	0.33
(1,494)	1:19:A:ALA:HA	1:20:A:ALA:H	17	0.33
(1,494)	1:19:A:ALA:HA	1:20:A:ALA:H	19	0.33
(1,389)	1:20:A:ALA:HB1	1:66:A:ALA:H	18	0.33
(1,389)	1:20:A:ALA:HB2	1:66:A:ALA:H	18	0.33
(1,389)	1:20:A:ALA:HB3	1:66:A:ALA:H	18	0.33
(1,372)	1:71:A:VAL:H	1:71:A:VAL:HB	7	0.33
(1,372)	1:71:A:VAL:H	1:71:A:VAL:HB	10	0.33
(1,372)	1:71:A:VAL:H	1:71:A:VAL:HB	11	0.33
(1,372)	1:71:A:VAL:H	1:71:A:VAL:HB	16	0.33
(1,334)	1:16:A:VAL:HG11	1:23:A:VAL:HB	3	0.33
(1,334)	1:16:A:VAL:HG12	1:23:A:VAL:HB	3	0.33
(1,334)	1:16:A:VAL:HG13	1:23:A:VAL:HB	3	0.33
(1,334)	1:16:A:VAL:HG21	1:23:A:VAL:HB	3	0.33
(1,334)	1:16:A:VAL:HG22	1:23:A:VAL:HB	3	0.33
(1,334)	1:16:A:VAL:HG23	1:23:A:VAL:HB	3	0.33
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD1	11	0.33
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD2	11	0.33
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD1	11	0.33
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD2	11	0.33
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD1	11	0.33
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD2	11	0.33
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD1	14	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD2	14	0.33
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD1	14	0.33
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD2	14	0.33
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD1	14	0.33
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD2	14	0.33
(1,299)	1:70:A:ALA:HB1	1:157:A:GLN:HB3	12	0.33
(1,299)	1:70:A:ALA:HB2	1:157:A:GLN:HB3	12	0.33
(1,299)	1:70:A:ALA:HB3	1:157:A:GLN:HB3	12	0.33
(1,216)	1:27:A:SER:HB3	1:56:A:ILE:HG21	12	0.33
(1,216)	1:27:A:SER:HB3	1:56:A:ILE:HG22	12	0.33
(1,216)	1:27:A:SER:HB3	1:56:A:ILE:HG23	12	0.33
(1,201)	1:41:A:SER:HA	1:47:A:ALA:HB1	2	0.33
(1,201)	1:41:A:SER:HA	1:47:A:ALA:HB2	2	0.33
(1,201)	1:41:A:SER:HA	1:47:A:ALA:HB3	2	0.33
(1,200)	1:32:A:VAL:HA	1:34:A:LEU:H	9	0.33
(1,152)	1:14:A:GLY:H	1:154:A:PHE:HD1	7	0.33
(1,152)	1:14:A:GLY:H	1:154:A:PHE:HD2	7	0.33
(1,142)	1:148:A:ALA:H	1:149:A:ASN:HB3	4	0.33
(1,95)	1:152:A:ALA:HB1	1:154:A:PHE:H	6	0.33
(1,95)	1:152:A:ALA:HB2	1:154:A:PHE:H	6	0.33
(1,95)	1:152:A:ALA:HB3	1:154:A:PHE:H	6	0.33
(1,70)	1:103:A:ILE:H	1:110:A:ALA:HA	17	0.33
(1,63)	1:20:A:ALA:HB1	1:63:A:THR:H	19	0.33
(1,63)	1:20:A:ALA:HB2	1:63:A:THR:H	19	0.33
(1,63)	1:20:A:ALA:HB3	1:63:A:THR:H	19	0.33
(1,42)	1:156:A:VAL:HA	1:158:A:TYR:H	17	0.33
(1,42)	1:156:A:VAL:HA	1:158:A:TYR:H	18	0.33
(1,40)	1:103:A:ILE:HA	1:110:A:ALA:HA	13	0.33
(1,39)	1:100:A:GLY:H	1:139:A:ALA:H	5	0.33
(1,34)	1:11:A:HIS:HE1	1:13:A:LYS:HG2	19	0.33
(1,34)	1:11:A:HIS:HE1	1:13:A:LYS:HG3	19	0.33
(1,6)	1:4:A:THR:H	1:39:A:THR:HG21	11	0.33
(1,6)	1:4:A:THR:H	1:39:A:THR:HG22	11	0.33
(1,6)	1:4:A:THR:H	1:39:A:THR:HG23	11	0.33
(1,3478)	1:126:A:ASN:H	1:126:A:ASN:HD21	8	0.32
(1,3478)	1:126:A:ASN:H	1:126:A:ASN:HD22	8	0.32
(1,3478)	1:126:A:ASN:H	1:126:A:ASN:HD21	14	0.32
(1,3478)	1:126:A:ASN:H	1:126:A:ASN:HD22	14	0.32
(1,3478)	1:126:A:ASN:H	1:126:A:ASN:HD21	18	0.32
(1,3478)	1:126:A:ASN:H	1:126:A:ASN:HD22	18	0.32
(1,3468)	1:118:A:PHE:HD1	1:157:A:GLN:HG2	11	0.32
(1,3468)	1:118:A:PHE:HD1	1:157:A:GLN:HG3	11	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3468)	1:118:A:PHE:HD2	1:157:A:GLN:HG2	11	0.32
(1,3468)	1:118:A:PHE:HD2	1:157:A:GLN:HG3	11	0.32
(1,3391)	1:99:A:VAL:HG11	1:137:A:TYR:HD1	2	0.32
(1,3391)	1:99:A:VAL:HG11	1:137:A:TYR:HD2	2	0.32
(1,3391)	1:99:A:VAL:HG12	1:137:A:TYR:HD1	2	0.32
(1,3391)	1:99:A:VAL:HG12	1:137:A:TYR:HD2	2	0.32
(1,3391)	1:99:A:VAL:HG13	1:137:A:TYR:HD1	2	0.32
(1,3391)	1:99:A:VAL:HG13	1:137:A:TYR:HD2	2	0.32
(1,3391)	1:99:A:VAL:HG21	1:137:A:TYR:HD1	2	0.32
(1,3391)	1:99:A:VAL:HG21	1:137:A:TYR:HD2	2	0.32
(1,3391)	1:99:A:VAL:HG22	1:137:A:TYR:HD1	2	0.32
(1,3391)	1:99:A:VAL:HG22	1:137:A:TYR:HD2	2	0.32
(1,3391)	1:99:A:VAL:HG23	1:137:A:TYR:HD1	2	0.32
(1,3391)	1:99:A:VAL:HG23	1:137:A:TYR:HD2	2	0.32
(1,3391)	1:99:A:VAL:HG11	1:137:A:TYR:HD1	3	0.32
(1,3391)	1:99:A:VAL:HG11	1:137:A:TYR:HD2	3	0.32
(1,3391)	1:99:A:VAL:HG12	1:137:A:TYR:HD1	3	0.32
(1,3391)	1:99:A:VAL:HG12	1:137:A:TYR:HD2	3	0.32
(1,3391)	1:99:A:VAL:HG13	1:137:A:TYR:HD1	3	0.32
(1,3391)	1:99:A:VAL:HG13	1:137:A:TYR:HD2	3	0.32
(1,3391)	1:99:A:VAL:HG21	1:137:A:TYR:HD1	3	0.32
(1,3391)	1:99:A:VAL:HG21	1:137:A:TYR:HD2	3	0.32
(1,3391)	1:99:A:VAL:HG22	1:137:A:TYR:HD1	3	0.32
(1,3391)	1:99:A:VAL:HG22	1:137:A:TYR:HD2	3	0.32
(1,3391)	1:99:A:VAL:HG23	1:137:A:TYR:HD1	3	0.32
(1,3391)	1:99:A:VAL:HG23	1:137:A:TYR:HD2	3	0.32
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB1	16	0.32
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB2	16	0.32
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB3	16	0.32
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB1	16	0.32
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB2	16	0.32
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB3	16	0.32
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB1	16	0.32
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB2	16	0.32
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB3	16	0.32
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB1	16	0.32
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB2	16	0.32
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB3	16	0.32
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB1	16	0.32
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB2	16	0.32
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB3	16	0.32
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB1	16	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB2	16	0.32
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB3	16	0.32
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB1	10	0.32
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB2	10	0.32
(1,3298)	1:79:A:ASP:HB2	1:80:A:ALA:HB3	10	0.32
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB1	10	0.32
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB2	10	0.32
(1,3298)	1:79:A:ASP:HB3	1:80:A:ALA:HB3	10	0.32
(1,3191)	1:62:A:ASP:HB2	1:65:A:VAL:HB	8	0.32
(1,3191)	1:62:A:ASP:HB3	1:65:A:VAL:HB	8	0.32
(1,3176)	1:58:A:LEU:HD11	1:131:A:ILE:HG13	14	0.32
(1,3176)	1:58:A:LEU:HD12	1:131:A:ILE:HG13	14	0.32
(1,3176)	1:58:A:LEU:HD13	1:131:A:ILE:HG13	14	0.32
(1,3176)	1:58:A:LEU:HD21	1:131:A:ILE:HG13	14	0.32
(1,3176)	1:58:A:LEU:HD22	1:131:A:ILE:HG13	14	0.32
(1,3176)	1:58:A:LEU:HD23	1:131:A:ILE:HG13	14	0.32
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG11	18	0.32
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG12	18	0.32
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG13	18	0.32
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG11	18	0.32
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG12	18	0.32
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG13	18	0.32
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG11	18	0.32
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG12	18	0.32
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG13	18	0.32
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG11	18	0.32
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG12	18	0.32
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG13	18	0.32
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG11	18	0.32
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG12	18	0.32
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG13	18	0.32
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG11	18	0.32
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG12	18	0.32
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG13	18	0.32
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG11	7	0.32
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG12	7	0.32
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG13	7	0.32
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG21	7	0.32
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG22	7	0.32
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG23	7	0.32
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG11	7	0.32
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG12	7	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG13	7	0.32
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG21	7	0.32
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG22	7	0.32
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG23	7	0.32
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG11	7	0.32
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG12	7	0.32
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG13	7	0.32
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG21	7	0.32
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG22	7	0.32
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG23	7	0.32
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG11	9	0.32
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG12	9	0.32
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG13	9	0.32
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG21	9	0.32
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG22	9	0.32
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG23	9	0.32
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG11	9	0.32
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG12	9	0.32
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG13	9	0.32
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG21	9	0.32
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG22	9	0.32
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG23	9	0.32
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG11	9	0.32
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG12	9	0.32
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG13	9	0.32
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG21	9	0.32
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG22	9	0.32
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG23	9	0.32
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG11	20	0.32
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG12	20	0.32
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG13	20	0.32
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG21	20	0.32
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG22	20	0.32
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG23	20	0.32
(1,2781)	1:99:A:VAL:HG21	1:137:A:TYR:HE1	16	0.32
(1,2781)	1:99:A:VAL:HG21	1:137:A:TYR:HE2	16	0.32
(1,2781)	1:99:A:VAL:HG22	1:137:A:TYR:HE1	16	0.32
(1,2781)	1:99:A:VAL:HG22	1:137:A:TYR:HE2	16	0.32
(1,2781)	1:99:A:VAL:HG23	1:137:A:TYR:HE1	16	0.32
(1,2781)	1:99:A:VAL:HG23	1:137:A:TYR:HE2	16	0.32
(1,2766)	1:98:A:ASN:HD22	1:142:A:ALA:H	12	0.32
(1,2709)	1:87:A:ALA:HA	1:88:A:LEU:HG	11	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2709)	1:87:A:ALA:HA	1:88:A:LEU:HG	12	0.32
(1,2709)	1:87:A:ALA:HA	1:88:A:LEU:HG	14	0.32
(1,2602)	1:74:A:LEU:HB2	1:153:A:THR:HB	19	0.32
(1,2547)	1:69:A:ALA:HB1	1:158:A:TYR:HE1	4	0.32
(1,2547)	1:69:A:ALA:HB1	1:158:A:TYR:HE2	4	0.32
(1,2547)	1:69:A:ALA:HB2	1:158:A:TYR:HE1	4	0.32
(1,2547)	1:69:A:ALA:HB2	1:158:A:TYR:HE2	4	0.32
(1,2547)	1:69:A:ALA:HB3	1:158:A:TYR:HE1	4	0.32
(1,2547)	1:69:A:ALA:HB3	1:158:A:TYR:HE2	4	0.32
(1,2547)	1:69:A:ALA:HB1	1:158:A:TYR:HE1	5	0.32
(1,2547)	1:69:A:ALA:HB1	1:158:A:TYR:HE2	5	0.32
(1,2547)	1:69:A:ALA:HB2	1:158:A:TYR:HE1	5	0.32
(1,2547)	1:69:A:ALA:HB2	1:158:A:TYR:HE2	5	0.32
(1,2547)	1:69:A:ALA:HB3	1:158:A:TYR:HE1	5	0.32
(1,2547)	1:69:A:ALA:HB3	1:158:A:TYR:HE2	5	0.32
(1,2547)	1:69:A:ALA:HB1	1:158:A:TYR:HE1	6	0.32
(1,2547)	1:69:A:ALA:HB1	1:158:A:TYR:HE2	6	0.32
(1,2547)	1:69:A:ALA:HB2	1:158:A:TYR:HE1	6	0.32
(1,2547)	1:69:A:ALA:HB2	1:158:A:TYR:HE2	6	0.32
(1,2547)	1:69:A:ALA:HB3	1:158:A:TYR:HE1	6	0.32
(1,2547)	1:69:A:ALA:HB3	1:158:A:TYR:HE2	6	0.32
(1,2547)	1:69:A:ALA:HB1	1:158:A:TYR:HE1	17	0.32
(1,2547)	1:69:A:ALA:HB1	1:158:A:TYR:HE2	17	0.32
(1,2547)	1:69:A:ALA:HB2	1:158:A:TYR:HE1	17	0.32
(1,2547)	1:69:A:ALA:HB2	1:158:A:TYR:HE2	17	0.32
(1,2547)	1:69:A:ALA:HB3	1:158:A:TYR:HE1	17	0.32
(1,2547)	1:69:A:ALA:HB3	1:158:A:TYR:HE2	17	0.32
(1,2547)	1:69:A:ALA:HB1	1:158:A:TYR:HE1	18	0.32
(1,2547)	1:69:A:ALA:HB1	1:158:A:TYR:HE2	18	0.32
(1,2547)	1:69:A:ALA:HB2	1:158:A:TYR:HE1	18	0.32
(1,2547)	1:69:A:ALA:HB2	1:158:A:TYR:HE2	18	0.32
(1,2547)	1:69:A:ALA:HB3	1:158:A:TYR:HE1	18	0.32
(1,2547)	1:69:A:ALA:HB3	1:158:A:TYR:HE2	18	0.32
(1,2403)	1:45:A:GLU:HB3	1:141:A:GLY:H	17	0.32
(1,2382)	1:43:A:ALA:H	1:47:A:ALA:HA	1	0.32
(1,2382)	1:43:A:ALA:H	1:47:A:ALA:HA	3	0.32
(1,2367)	1:42:A:LEU:HA	1:47:A:ALA:H	9	0.32
(1,2357)	1:3:A:THR:HB	1:4:A:THR:H	3	0.32
(1,2312)	1:32:A:VAL:HG11	1:52:A:VAL:H	17	0.32
(1,2312)	1:32:A:VAL:HG12	1:52:A:VAL:H	17	0.32
(1,2312)	1:32:A:VAL:HG13	1:52:A:VAL:H	17	0.32
(1,2310)	1:32:A:VAL:HG11	1:135:A:ALA:H	4	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2310)	1:32:A:VAL:HG12	1:135:A:ALA:H	4	0.32
(1,2310)	1:32:A:VAL:HG13	1:135:A:ALA:H	4	0.32
(1,2229)	1:18:A:ASN:H	1:18:A:ASN:HD21	20	0.32
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD11	2	0.32
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD12	2	0.32
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD13	2	0.32
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD21	2	0.32
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD22	2	0.32
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD23	2	0.32
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB1	20	0.32
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB2	20	0.32
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB3	20	0.32
(1,1963)	1:98:A:ASN:HD22	1:141:A:GLY:HA3	3	0.32
(1,1962)	1:98:A:ASN:HD21	1:142:A:ALA:H	6	0.32
(1,1913)	1:88:A:LEU:H	1:88:A:LEU:HG	9	0.32
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB1	3	0.32
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB2	3	0.32
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB3	3	0.32
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB1	3	0.32
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB2	3	0.32
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB3	3	0.32
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB1	3	0.32
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB2	3	0.32
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB3	3	0.32
(1,1885)	1:79:A:ASP:H	1:81:A:GLY:H	14	0.32
(1,1734)	1:48:A:THR:HG21	1:138:A:PHE:H	19	0.32
(1,1734)	1:48:A:THR:HG22	1:138:A:PHE:H	19	0.32
(1,1734)	1:48:A:THR:HG23	1:138:A:PHE:H	19	0.32
(1,1688)	1:34:A:LEU:HD21	1:136:A:ARG:H	19	0.32
(1,1688)	1:34:A:LEU:HD22	1:136:A:ARG:H	19	0.32
(1,1688)	1:34:A:LEU:HD23	1:136:A:ARG:H	19	0.32
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE1	4	0.32
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE2	4	0.32
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE1	4	0.32
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE2	4	0.32
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE1	4	0.32
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE2	4	0.32
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE1	10	0.32
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE2	10	0.32
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE1	10	0.32
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE2	10	0.32
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE1	10	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE2	10	0.32
(1,1634)	1:16:A:VAL:H	1:155:A:LYS:HA	7	0.32
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE1	14	0.32
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE2	14	0.32
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE1	18	0.32
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE2	18	0.32
(1,1590)	1:13:A:LYS:H	1:14:A:GLY:H	9	0.32
(1,1590)	1:13:A:LYS:H	1:14:A:GLY:H	12	0.32
(1,1590)	1:13:A:LYS:H	1:14:A:GLY:H	15	0.32
(1,1580)	1:138:A:PHE:H	1:139:A:ALA:H	3	0.32
(1,1580)	1:138:A:PHE:H	1:139:A:ALA:H	4	0.32
(1,1580)	1:138:A:PHE:H	1:139:A:ALA:H	8	0.32
(1,1580)	1:138:A:PHE:H	1:139:A:ALA:H	10	0.32
(1,1580)	1:138:A:PHE:H	1:139:A:ALA:H	14	0.32
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE1	2	0.32
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE2	2	0.32
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE1	2	0.32
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE2	2	0.32
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE1	2	0.32
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE2	2	0.32
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE1	15	0.32
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE2	15	0.32
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE1	15	0.32
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE2	15	0.32
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE1	15	0.32
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE2	15	0.32
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE1	20	0.32
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE2	20	0.32
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE1	20	0.32
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE2	20	0.32
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE1	20	0.32
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE2	20	0.32
(1,1407)	1:89:A:GLN:HB2	1:90:A:SER:H	8	0.32
(1,1377)	1:74:A:LEU:HB3	1:153:A:THR:HB	2	0.32
(1,1377)	1:74:A:LEU:HB3	1:153:A:THR:HB	15	0.32
(1,1355)	1:6:A:ASN:HB3	1:7:A:GLY:H	6	0.32
(1,1322)	1:4:A:THR:HG21	1:36:A:GLN:HG3	10	0.32
(1,1322)	1:4:A:THR:HG22	1:36:A:GLN:HG3	10	0.32
(1,1322)	1:4:A:THR:HG23	1:36:A:GLN:HG3	10	0.32
(1,1302)	1:3:A:THR:HG21	1:145:A:PRO:HG3	11	0.32
(1,1302)	1:3:A:THR:HG22	1:145:A:PRO:HG3	11	0.32
(1,1302)	1:3:A:THR:HG23	1:145:A:PRO:HG3	11	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1296)	1:39:A:THR:HA	1:144:A:THR:HA	10	0.32
(1,1261)	1:16:A:VAL:HB	1:17:A:VAL:H	4	0.32
(1,1261)	1:16:A:VAL:HB	1:17:A:VAL:H	13	0.32
(1,1257)	1:158:A:TYR:H	1:158:A:TYR:HB2	14	0.32
(1,1099)	1:48:A:THR:HG21	1:136:A:ARG:HG2	4	0.32
(1,1099)	1:48:A:THR:HG21	1:136:A:ARG:HG3	4	0.32
(1,1099)	1:48:A:THR:HG22	1:136:A:ARG:HG2	4	0.32
(1,1099)	1:48:A:THR:HG22	1:136:A:ARG:HG3	4	0.32
(1,1099)	1:48:A:THR:HG23	1:136:A:ARG:HG2	4	0.32
(1,1099)	1:48:A:THR:HG23	1:136:A:ARG:HG3	4	0.32
(1,1000)	1:6:A:ASN:H	1:6:A:ASN:HB2	9	0.32
(1,963)	1:32:A:VAL:HG21	1:54:A:PHE:HA	13	0.32
(1,963)	1:32:A:VAL:HG22	1:54:A:PHE:HA	13	0.32
(1,963)	1:32:A:VAL:HG23	1:54:A:PHE:HA	13	0.32
(1,958)	1:17:A:VAL:H	1:155:A:LYS:HA	4	0.32
(1,958)	1:17:A:VAL:H	1:155:A:LYS:HA	6	0.32
(1,958)	1:17:A:VAL:H	1:155:A:LYS:HA	14	0.32
(1,958)	1:17:A:VAL:H	1:155:A:LYS:HA	16	0.32
(1,928)	1:116:A:ALA:HA	1:117:A:THR:HB	8	0.32
(1,878)	1:67:A:SER:H	1:159:A:GLN:H	4	0.32
(1,877)	1:65:A:VAL:HB	1:66:A:ALA:H	5	0.32
(1,877)	1:65:A:VAL:HB	1:66:A:ALA:H	11	0.32
(1,845)	1:28:A:VAL:HA	1:154:A:PHE:HE1	11	0.32
(1,845)	1:28:A:VAL:HA	1:154:A:PHE:HE2	11	0.32
(1,830)	1:14:A:GLY:HA2	1:15:A:GLU:HA	12	0.32
(1,830)	1:14:A:GLY:HA2	1:15:A:GLU:HA	13	0.32
(1,774)	1:8:A:GLY:H	1:148:A:ALA:H	12	0.32
(1,737)	1:32:A:VAL:HG11	1:34:A:LEU:HA	4	0.32
(1,737)	1:32:A:VAL:HG12	1:34:A:LEU:HA	4	0.32
(1,737)	1:32:A:VAL:HG13	1:34:A:LEU:HA	4	0.32
(1,737)	1:32:A:VAL:HG11	1:34:A:LEU:HA	10	0.32
(1,737)	1:32:A:VAL:HG12	1:34:A:LEU:HA	10	0.32
(1,737)	1:32:A:VAL:HG13	1:34:A:LEU:HA	10	0.32
(1,737)	1:32:A:VAL:HG11	1:34:A:LEU:HA	11	0.32
(1,737)	1:32:A:VAL:HG12	1:34:A:LEU:HA	11	0.32
(1,737)	1:32:A:VAL:HG13	1:34:A:LEU:HA	11	0.32
(1,692)	1:10:A:VAL:HA	1:149:A:ASN:HA	13	0.32
(1,639)	1:140:A:THR:H	1:143:A:ALA:H	7	0.32
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB1	6	0.32
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB2	6	0.32
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB3	6	0.32
(1,494)	1:19:A:ALA:HA	1:20:A:ALA:H	2	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG21	6	0.32
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG22	6	0.32
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG23	6	0.32
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG21	6	0.32
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG22	6	0.32
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG23	6	0.32
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG21	6	0.32
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG22	6	0.32
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG23	6	0.32
(1,398)	1:78:A:ILE:HD11	1:100:A:GLY:HA3	18	0.32
(1,398)	1:78:A:ILE:HD12	1:100:A:GLY:HA3	18	0.32
(1,398)	1:78:A:ILE:HD13	1:100:A:GLY:HA3	18	0.32
(1,372)	1:71:A:VAL:H	1:71:A:VAL:HB	4	0.32
(1,372)	1:71:A:VAL:H	1:71:A:VAL:HB	6	0.32
(1,372)	1:71:A:VAL:H	1:71:A:VAL:HB	18	0.32
(1,340)	1:63:A:THR:H	1:126:A:ASN:H	9	0.32
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG21	13	0.32
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG22	13	0.32
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG23	13	0.32
(1,285)	1:96:A:ALA:HB1	1:144:A:THR:HB	6	0.32
(1,285)	1:96:A:ALA:HB2	1:144:A:THR:HB	6	0.32
(1,285)	1:96:A:ALA:HB3	1:144:A:THR:HB	6	0.32
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD21	2	0.32
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD22	2	0.32
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD23	2	0.32
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD21	12	0.32
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD22	12	0.32
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD23	12	0.32
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD21	18	0.32
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD22	18	0.32
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD23	18	0.32
(1,269)	1:34:A:LEU:HA	1:52:A:VAL:HA	2	0.32
(1,242)	1:70:A:ALA:H	1:158:A:TYR:HA	19	0.32
(1,231)	1:31:A:THR:HG21	1:33:A:GLN:HG2	2	0.32
(1,231)	1:31:A:THR:HG21	1:33:A:GLN:HG3	2	0.32
(1,231)	1:31:A:THR:HG22	1:33:A:GLN:HG2	2	0.32
(1,231)	1:31:A:THR:HG22	1:33:A:GLN:HG3	2	0.32
(1,231)	1:31:A:THR:HG23	1:33:A:GLN:HG2	2	0.32
(1,231)	1:31:A:THR:HG23	1:33:A:GLN:HG3	2	0.32
(1,200)	1:32:A:VAL:HA	1:34:A:LEU:H	13	0.32
(1,200)	1:32:A:VAL:HA	1:34:A:LEU:H	17	0.32
(1,118)	1:19:A:ALA:H	1:21:A:CYS:HA	12	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,118)	1:19:A:ALA:H	1:21:A:CYS:HA	17	0.32
(1,95)	1:152:A:ALA:HB1	1:154:A:PHE:H	7	0.32
(1,95)	1:152:A:ALA:HB2	1:154:A:PHE:H	7	0.32
(1,95)	1:152:A:ALA:HB3	1:154:A:PHE:H	7	0.32
(1,94)	1:142:A:ALA:HB1	1:144:A:THR:HB	1	0.32
(1,94)	1:142:A:ALA:HB2	1:144:A:THR:HB	1	0.32
(1,94)	1:142:A:ALA:HB3	1:144:A:THR:HB	1	0.32
(1,94)	1:142:A:ALA:HB1	1:144:A:THR:HB	8	0.32
(1,94)	1:142:A:ALA:HB2	1:144:A:THR:HB	8	0.32
(1,94)	1:142:A:ALA:HB3	1:144:A:THR:HB	8	0.32
(1,94)	1:142:A:ALA:HB1	1:144:A:THR:HB	9	0.32
(1,94)	1:142:A:ALA:HB2	1:144:A:THR:HB	9	0.32
(1,94)	1:142:A:ALA:HB3	1:144:A:THR:HB	9	0.32
(1,94)	1:142:A:ALA:HB1	1:144:A:THR:HB	10	0.32
(1,94)	1:142:A:ALA:HB2	1:144:A:THR:HB	10	0.32
(1,94)	1:142:A:ALA:HB3	1:144:A:THR:HB	10	0.32
(1,85)	1:100:A:GLY:H	1:138:A:PHE:HD1	16	0.32
(1,85)	1:100:A:GLY:H	1:138:A:PHE:HD2	16	0.32
(1,79)	1:125:A:ASN:HD21	1:129:A:ASN:HD22	4	0.32
(1,70)	1:103:A:ILE:H	1:110:A:ALA:HA	18	0.32
(1,36)	1:137:A:TYR:HD1	1:148:A:ALA:HA	15	0.32
(1,36)	1:137:A:TYR:HD2	1:148:A:ALA:HA	15	0.32
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG21	4	0.32
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG22	4	0.32
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG23	4	0.32
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG21	4	0.32
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG22	4	0.32
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG23	4	0.32
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG21	4	0.32
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG22	4	0.32
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG23	4	0.32
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB1	3	0.32
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB2	3	0.32
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB3	3	0.32
(1,3478)	1:126:A:ASN:H	1:126:A:ASN:HD21	5	0.31
(1,3478)	1:126:A:ASN:H	1:126:A:ASN:HD22	5	0.31
(1,3392)	1:99:A:VAL:HG11	1:137:A:TYR:HE1	15	0.31
(1,3392)	1:99:A:VAL:HG11	1:137:A:TYR:HE2	15	0.31
(1,3392)	1:99:A:VAL:HG12	1:137:A:TYR:HE1	15	0.31
(1,3392)	1:99:A:VAL:HG12	1:137:A:TYR:HE2	15	0.31
(1,3392)	1:99:A:VAL:HG13	1:137:A:TYR:HE1	15	0.31
(1,3392)	1:99:A:VAL:HG13	1:137:A:TYR:HE2	15	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3392)	1:99:A:VAL:HG21	1:137:A:TYR:HE1	15	0.31
(1,3392)	1:99:A:VAL:HG21	1:137:A:TYR:HE2	15	0.31
(1,3392)	1:99:A:VAL:HG22	1:137:A:TYR:HE1	15	0.31
(1,3392)	1:99:A:VAL:HG22	1:137:A:TYR:HE2	15	0.31
(1,3392)	1:99:A:VAL:HG23	1:137:A:TYR:HE1	15	0.31
(1,3392)	1:99:A:VAL:HG23	1:137:A:TYR:HE2	15	0.31
(1,3392)	1:99:A:VAL:HG11	1:137:A:TYR:HE1	19	0.31
(1,3392)	1:99:A:VAL:HG11	1:137:A:TYR:HE2	19	0.31
(1,3392)	1:99:A:VAL:HG12	1:137:A:TYR:HE1	19	0.31
(1,3392)	1:99:A:VAL:HG12	1:137:A:TYR:HE2	19	0.31
(1,3392)	1:99:A:VAL:HG13	1:137:A:TYR:HE1	19	0.31
(1,3392)	1:99:A:VAL:HG13	1:137:A:TYR:HE2	19	0.31
(1,3392)	1:99:A:VAL:HG21	1:137:A:TYR:HE1	19	0.31
(1,3392)	1:99:A:VAL:HG21	1:137:A:TYR:HE2	19	0.31
(1,3392)	1:99:A:VAL:HG22	1:137:A:TYR:HE1	19	0.31
(1,3392)	1:99:A:VAL:HG22	1:137:A:TYR:HE2	19	0.31
(1,3392)	1:99:A:VAL:HG23	1:137:A:TYR:HE1	19	0.31
(1,3392)	1:99:A:VAL:HG23	1:137:A:TYR:HE2	19	0.31
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG11	3	0.31
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG12	3	0.31
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG13	3	0.31
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG21	3	0.31
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG22	3	0.31
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG23	3	0.31
(1,3366)	1:89:A:GLN:HB2	1:149:A:ASN:HD21	7	0.31
(1,3366)	1:89:A:GLN:HB3	1:149:A:ASN:HD21	7	0.31
(1,3269)	1:71:A:VAL:HG11	1:155:A:LYS:H	8	0.31
(1,3269)	1:71:A:VAL:HG12	1:155:A:LYS:H	8	0.31
(1,3269)	1:71:A:VAL:HG13	1:155:A:LYS:H	8	0.31
(1,3269)	1:71:A:VAL:HG21	1:155:A:LYS:H	8	0.31
(1,3269)	1:71:A:VAL:HG22	1:155:A:LYS:H	8	0.31
(1,3269)	1:71:A:VAL:HG23	1:155:A:LYS:H	8	0.31
(1,3151)	1:55:A:ASN:HD21	1:130:A:THR:HB	6	0.31
(1,3151)	1:55:A:ASN:HD22	1:130:A:THR:HB	6	0.31
(1,3140)	1:54:A:PHE:HA	1:55:A:ASN:HD21	3	0.31
(1,3140)	1:54:A:PHE:HA	1:55:A:ASN:HD22	3	0.31
(1,3140)	1:54:A:PHE:HA	1:55:A:ASN:HD21	19	0.31
(1,3140)	1:54:A:PHE:HA	1:55:A:ASN:HD22	19	0.31
(1,3135)	1:52:A:VAL:HG11	1:134:A:GLN:HB3	9	0.31
(1,3135)	1:52:A:VAL:HG12	1:134:A:GLN:HB3	9	0.31
(1,3135)	1:52:A:VAL:HG13	1:134:A:GLN:HB3	9	0.31
(1,3135)	1:52:A:VAL:HG21	1:134:A:GLN:HB3	9	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3135)	1:52:A:VAL:HG22	1:134:A:GLN:HB3	9	0.31
(1,3135)	1:52:A:VAL:HG23	1:134:A:GLN:HB3	9	0.31
(1,3135)	1:52:A:VAL:HG11	1:134:A:GLN:HB3	13	0.31
(1,3135)	1:52:A:VAL:HG12	1:134:A:GLN:HB3	13	0.31
(1,3135)	1:52:A:VAL:HG13	1:134:A:GLN:HB3	13	0.31
(1,3135)	1:52:A:VAL:HG21	1:134:A:GLN:HB3	13	0.31
(1,3135)	1:52:A:VAL:HG22	1:134:A:GLN:HB3	13	0.31
(1,3135)	1:52:A:VAL:HG23	1:134:A:GLN:HB3	13	0.31
(1,3123)	1:51:A:ALA:HA	1:136:A:ARG:HD2	16	0.31
(1,3123)	1:51:A:ALA:HA	1:136:A:ARG:HD3	16	0.31
(1,3123)	1:51:A:ALA:HA	1:136:A:ARG:HD2	18	0.31
(1,3123)	1:51:A:ALA:HA	1:136:A:ARG:HD3	18	0.31
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD1	15	0.31
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD2	15	0.31
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD1	15	0.31
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD2	15	0.31
(1,3065)	1:42:A:LEU:HD11	1:48:A:THR:HB	20	0.31
(1,3065)	1:42:A:LEU:HD12	1:48:A:THR:HB	20	0.31
(1,3065)	1:42:A:LEU:HD13	1:48:A:THR:HB	20	0.31
(1,3065)	1:42:A:LEU:HD21	1:48:A:THR:HB	20	0.31
(1,3065)	1:42:A:LEU:HD22	1:48:A:THR:HB	20	0.31
(1,3065)	1:42:A:LEU:HD23	1:48:A:THR:HB	20	0.31
(1,3023)	1:34:A:LEU:HD11	1:148:A:ALA:HB1	14	0.31
(1,3023)	1:34:A:LEU:HD11	1:148:A:ALA:HB2	14	0.31
(1,3023)	1:34:A:LEU:HD11	1:148:A:ALA:HB3	14	0.31
(1,3023)	1:34:A:LEU:HD12	1:148:A:ALA:HB1	14	0.31
(1,3023)	1:34:A:LEU:HD12	1:148:A:ALA:HB2	14	0.31
(1,3023)	1:34:A:LEU:HD12	1:148:A:ALA:HB3	14	0.31
(1,3023)	1:34:A:LEU:HD13	1:148:A:ALA:HB1	14	0.31
(1,3023)	1:34:A:LEU:HD13	1:148:A:ALA:HB2	14	0.31
(1,3023)	1:34:A:LEU:HD13	1:148:A:ALA:HB3	14	0.31
(1,3023)	1:34:A:LEU:HD21	1:148:A:ALA:HB1	14	0.31
(1,3023)	1:34:A:LEU:HD21	1:148:A:ALA:HB2	14	0.31
(1,3023)	1:34:A:LEU:HD21	1:148:A:ALA:HB3	14	0.31
(1,3023)	1:34:A:LEU:HD22	1:148:A:ALA:HB1	14	0.31
(1,3023)	1:34:A:LEU:HD22	1:148:A:ALA:HB2	14	0.31
(1,3023)	1:34:A:LEU:HD22	1:148:A:ALA:HB3	14	0.31
(1,3023)	1:34:A:LEU:HD23	1:148:A:ALA:HB1	14	0.31
(1,3023)	1:34:A:LEU:HD23	1:148:A:ALA:HB2	14	0.31
(1,3023)	1:34:A:LEU:HD23	1:148:A:ALA:HB3	14	0.31
(1,3022)	1:34:A:LEU:HD11	1:137:A:TYR:HE1	13	0.31
(1,3022)	1:34:A:LEU:HD11	1:137:A:TYR:HE2	13	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3022)	1:34:A:LEU:HD12	1:137:A:TYR:HE1	13	0.31
(1,3022)	1:34:A:LEU:HD12	1:137:A:TYR:HE2	13	0.31
(1,3022)	1:34:A:LEU:HD13	1:137:A:TYR:HE1	13	0.31
(1,3022)	1:34:A:LEU:HD13	1:137:A:TYR:HE2	13	0.31
(1,3022)	1:34:A:LEU:HD21	1:137:A:TYR:HE1	13	0.31
(1,3022)	1:34:A:LEU:HD21	1:137:A:TYR:HE2	13	0.31
(1,3022)	1:34:A:LEU:HD22	1:137:A:TYR:HE1	13	0.31
(1,3022)	1:34:A:LEU:HD22	1:137:A:TYR:HE2	13	0.31
(1,3022)	1:34:A:LEU:HD23	1:137:A:TYR:HE1	13	0.31
(1,3022)	1:34:A:LEU:HD23	1:137:A:TYR:HE2	13	0.31
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG11	10	0.31
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG12	10	0.31
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG13	10	0.31
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG11	10	0.31
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG12	10	0.31
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG13	10	0.31
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG11	10	0.31
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG12	10	0.31
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG13	10	0.31
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG11	10	0.31
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG12	10	0.31
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG13	10	0.31
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG11	10	0.31
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG12	10	0.31
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG13	10	0.31
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG11	10	0.31
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG12	10	0.31
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG13	10	0.31
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG11	5	0.31
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG12	5	0.31
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG13	5	0.31
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG21	5	0.31
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG22	5	0.31
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG23	5	0.31
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG11	5	0.31
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG12	5	0.31
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG13	5	0.31
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG21	5	0.31
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG22	5	0.31
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG23	5	0.31
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG11	5	0.31
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG12	5	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG13	5	0.31
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG21	5	0.31
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG22	5	0.31
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG23	5	0.31
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG11	6	0.31
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG12	6	0.31
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG13	6	0.31
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG21	6	0.31
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG22	6	0.31
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG23	6	0.31
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG11	6	0.31
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG12	6	0.31
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG13	6	0.31
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG21	6	0.31
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG22	6	0.31
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG23	6	0.31
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG11	6	0.31
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG12	6	0.31
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG13	6	0.31
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG21	6	0.31
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG22	6	0.31
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG23	6	0.31
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG11	13	0.31
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG12	13	0.31
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG13	13	0.31
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG21	13	0.31
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG22	13	0.31
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG23	13	0.31
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG11	13	0.31
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG12	13	0.31
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG13	13	0.31
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG21	13	0.31
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG22	13	0.31
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG23	13	0.31
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG11	13	0.31
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG12	13	0.31
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG13	13	0.31
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG21	13	0.31
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG22	13	0.31
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG23	13	0.31
(1,2902)	1:16:A:VAL:HG11	1:18:A:ASN:H	18	0.31
(1,2902)	1:16:A:VAL:HG12	1:18:A:ASN:H	18	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2902)	1:16:A:VAL:HG13	1:18:A:ASN:H	18	0.31
(1,2902)	1:16:A:VAL:HG21	1:18:A:ASN:H	18	0.31
(1,2902)	1:16:A:VAL:HG22	1:18:A:ASN:H	18	0.31
(1,2902)	1:16:A:VAL:HG23	1:18:A:ASN:H	18	0.31
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG11	7	0.31
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG12	7	0.31
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG13	7	0.31
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG21	7	0.31
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG22	7	0.31
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG23	7	0.31
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG11	10	0.31
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG12	10	0.31
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG13	10	0.31
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG21	10	0.31
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG22	10	0.31
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG23	10	0.31
(1,2792)	1:9:A:THR:HG21	1:32:A:VAL:H	7	0.31
(1,2792)	1:9:A:THR:HG22	1:32:A:VAL:H	7	0.31
(1,2792)	1:9:A:THR:HG23	1:32:A:VAL:H	7	0.31
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB1	8	0.31
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB2	8	0.31
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB3	8	0.31
(1,2709)	1:87:A:ALA:HA	1:88:A:LEU:HG	9	0.31
(1,2547)	1:69:A:ALA:HB1	1:158:A:TYR:HE1	10	0.31
(1,2547)	1:69:A:ALA:HB1	1:158:A:TYR:HE2	10	0.31
(1,2547)	1:69:A:ALA:HB2	1:158:A:TYR:HE1	10	0.31
(1,2547)	1:69:A:ALA:HB2	1:158:A:TYR:HE2	10	0.31
(1,2547)	1:69:A:ALA:HB3	1:158:A:TYR:HE1	10	0.31
(1,2547)	1:69:A:ALA:HB3	1:158:A:TYR:HE2	10	0.31
(1,2547)	1:69:A:ALA:HB1	1:158:A:TYR:HE1	13	0.31
(1,2547)	1:69:A:ALA:HB1	1:158:A:TYR:HE2	13	0.31
(1,2547)	1:69:A:ALA:HB2	1:158:A:TYR:HE1	13	0.31
(1,2547)	1:69:A:ALA:HB2	1:158:A:TYR:HE2	13	0.31
(1,2547)	1:69:A:ALA:HB3	1:158:A:TYR:HE1	13	0.31
(1,2547)	1:69:A:ALA:HB3	1:158:A:TYR:HE2	13	0.31
(1,2382)	1:43:A:ALA:H	1:47:A:ALA:HA	19	0.31
(1,2322)	1:33:A:GLN:HG2	1:35:A:GLY:H	5	0.31
(1,2322)	1:33:A:GLN:HG3	1:35:A:GLY:H	5	0.31
(1,2312)	1:32:A:VAL:HG11	1:52:A:VAL:H	2	0.31
(1,2312)	1:32:A:VAL:HG12	1:52:A:VAL:H	2	0.31
(1,2312)	1:32:A:VAL:HG13	1:52:A:VAL:H	2	0.31
(1,2191)	1:149:A:ASN:HD21	1:150:A:ALA:H	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2115)	1:129:A:ASN:HB2	1:130:A:THR:H	3	0.31
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB1	19	0.31
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB2	19	0.31
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB3	19	0.31
(1,1948)	1:97:A:THR:H	1:148:A:ALA:HB1	4	0.31
(1,1948)	1:97:A:THR:H	1:148:A:ALA:HB2	4	0.31
(1,1948)	1:97:A:THR:H	1:148:A:ALA:HB3	4	0.31
(1,1934)	1:92:A:ALA:H	1:95:A:SER:HB2	12	0.31
(1,1934)	1:92:A:ALA:H	1:95:A:SER:HB3	12	0.31
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD11	18	0.31
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD12	18	0.31
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD13	18	0.31
(1,1913)	1:88:A:LEU:H	1:88:A:LEU:HG	7	0.31
(1,1913)	1:88:A:LEU:H	1:88:A:LEU:HG	16	0.31
(1,1891)	1:80:A:ALA:HA	1:82:A:HIS:H	16	0.31
(1,1827)	1:70:A:ALA:HB1	1:157:A:GLN:HB2	5	0.31
(1,1827)	1:70:A:ALA:HB2	1:157:A:GLN:HB2	5	0.31
(1,1827)	1:70:A:ALA:HB3	1:157:A:GLN:HB2	5	0.31
(1,1652)	1:23:A:VAL:H	1:58:A:LEU:HB3	15	0.31
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE1	5	0.31
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE2	5	0.31
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE1	10	0.31
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE2	10	0.31
(1,1440)	1:102:A:GLN:HB3	1:103:A:ILE:H	14	0.31
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD1	20	0.31
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD2	20	0.31
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD1	20	0.31
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD2	20	0.31
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD1	20	0.31
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD2	20	0.31
(1,1407)	1:89:A:GLN:HB2	1:90:A:SER:H	11	0.31
(1,1309)	1:43:A:ALA:H	1:47:A:ALA:H	11	0.31
(1,1302)	1:3:A:THR:HG21	1:145:A:PRO:HG3	14	0.31
(1,1302)	1:3:A:THR:HG22	1:145:A:PRO:HG3	14	0.31
(1,1302)	1:3:A:THR:HG23	1:145:A:PRO:HG3	14	0.31
(1,1261)	1:16:A:VAL:HB	1:17:A:VAL:H	14	0.31
(1,1094)	1:45:A:GLU:H	1:142:A:ALA:H	14	0.31
(1,1085)	1:34:A:LEU:HA	1:52:A:VAL:HB	9	0.31
(1,1003)	1:72:A:ALA:H	1:73:A:PHE:HD1	18	0.31
(1,1003)	1:72:A:ALA:H	1:73:A:PHE:HD2	18	0.31
(1,980)	1:50:A:SER:H	1:137:A:TYR:HD1	17	0.31
(1,980)	1:50:A:SER:H	1:137:A:TYR:HD2	17	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,963)	1:32:A:VAL:HG21	1:54:A:PHE:HA	4	0.31
(1,963)	1:32:A:VAL:HG22	1:54:A:PHE:HA	4	0.31
(1,963)	1:32:A:VAL:HG23	1:54:A:PHE:HA	4	0.31
(1,963)	1:32:A:VAL:HG21	1:54:A:PHE:HA	14	0.31
(1,963)	1:32:A:VAL:HG22	1:54:A:PHE:HA	14	0.31
(1,963)	1:32:A:VAL:HG23	1:54:A:PHE:HA	14	0.31
(1,963)	1:32:A:VAL:HG21	1:54:A:PHE:HA	20	0.31
(1,963)	1:32:A:VAL:HG22	1:54:A:PHE:HA	20	0.31
(1,963)	1:32:A:VAL:HG23	1:54:A:PHE:HA	20	0.31
(1,958)	1:17:A:VAL:H	1:155:A:LYS:HA	2	0.31
(1,958)	1:17:A:VAL:H	1:155:A:LYS:HA	9	0.31
(1,958)	1:17:A:VAL:H	1:155:A:LYS:HA	18	0.31
(1,958)	1:17:A:VAL:H	1:155:A:LYS:HA	20	0.31
(1,928)	1:116:A:ALA:HA	1:117:A:THR:HB	15	0.31
(1,904)	1:88:A:LEU:HG	1:100:A:GLY:HA3	1	0.31
(1,877)	1:65:A:VAL:HB	1:66:A:ALA:H	13	0.31
(1,792)	1:103:A:ILE:HD11	1:135:A:ALA:HA	5	0.31
(1,792)	1:103:A:ILE:HD12	1:135:A:ALA:HA	5	0.31
(1,792)	1:103:A:ILE:HD13	1:135:A:ALA:HA	5	0.31
(1,791)	1:103:A:ILE:HD11	1:104:A:LEU:H	5	0.31
(1,791)	1:103:A:ILE:HD12	1:104:A:LEU:H	5	0.31
(1,791)	1:103:A:ILE:HD13	1:104:A:LEU:H	5	0.31
(1,669)	1:69:A:ALA:H	1:121:A:GLU:HA	4	0.31
(1,648)	1:19:A:ALA:H	1:22:A:ALA:HA	18	0.31
(1,639)	1:140:A:THR:H	1:143:A:ALA:H	12	0.31
(1,615)	1:96:A:ALA:HA	1:147:A:ALA:H	1	0.31
(1,587)	1:42:A:LEU:HG	1:48:A:THR:HA	14	0.31
(1,567)	1:136:A:ARG:HA	1:137:A:TYR:HE1	19	0.31
(1,567)	1:136:A:ARG:HA	1:137:A:TYR:HE2	19	0.31
(1,545)	1:70:A:ALA:HA	1:157:A:GLN:HB3	10	0.31
(1,517)	1:88:A:LEU:HD21	1:149:A:ASN:H	3	0.31
(1,517)	1:88:A:LEU:HD22	1:149:A:ASN:H	3	0.31
(1,517)	1:88:A:LEU:HD23	1:149:A:ASN:H	3	0.31
(1,494)	1:19:A:ALA:HA	1:20:A:ALA:H	7	0.31
(1,494)	1:19:A:ALA:HA	1:20:A:ALA:H	20	0.31
(1,472)	1:93:A:ALA:HB1	1:95:A:SER:H	9	0.31
(1,472)	1:93:A:ALA:HB2	1:95:A:SER:H	9	0.31
(1,472)	1:93:A:ALA:HB3	1:95:A:SER:H	9	0.31
(1,434)	1:111:A:LEU:HB3	1:119:A:SER:H	1	0.31
(1,373)	1:78:A:ILE:HD11	1:100:A:GLY:HA2	4	0.31
(1,373)	1:78:A:ILE:HD12	1:100:A:GLY:HA2	4	0.31
(1,373)	1:78:A:ILE:HD13	1:100:A:GLY:HA2	4	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,372)	1:71:A:VAL:H	1:71:A:VAL:HB	2	0.31
(1,372)	1:71:A:VAL:H	1:71:A:VAL:HB	8	0.31
(1,372)	1:71:A:VAL:H	1:71:A:VAL:HB	9	0.31
(1,372)	1:71:A:VAL:H	1:71:A:VAL:HB	12	0.31
(1,372)	1:71:A:VAL:H	1:71:A:VAL:HB	14	0.31
(1,372)	1:71:A:VAL:H	1:71:A:VAL:HB	15	0.31
(1,372)	1:71:A:VAL:H	1:71:A:VAL:HB	19	0.31
(1,359)	1:113:A:LEU:HD11	1:151:A:ASP:H	13	0.31
(1,359)	1:113:A:LEU:HD12	1:151:A:ASP:H	13	0.31
(1,359)	1:113:A:LEU:HD13	1:151:A:ASP:H	13	0.31
(1,359)	1:113:A:LEU:HD21	1:151:A:ASP:H	13	0.31
(1,359)	1:113:A:LEU:HD22	1:151:A:ASP:H	13	0.31
(1,359)	1:113:A:LEU:HD23	1:151:A:ASP:H	13	0.31
(1,350)	1:90:A:SER:HA	1:93:A:ALA:H	6	0.31
(1,340)	1:63:A:THR:H	1:126:A:ASN:H	2	0.31
(1,340)	1:63:A:THR:H	1:126:A:ASN:H	13	0.31
(1,334)	1:16:A:VAL:HG11	1:23:A:VAL:HB	14	0.31
(1,334)	1:16:A:VAL:HG12	1:23:A:VAL:HB	14	0.31
(1,334)	1:16:A:VAL:HG13	1:23:A:VAL:HB	14	0.31
(1,334)	1:16:A:VAL:HG21	1:23:A:VAL:HB	14	0.31
(1,334)	1:16:A:VAL:HG22	1:23:A:VAL:HB	14	0.31
(1,334)	1:16:A:VAL:HG23	1:23:A:VAL:HB	14	0.31
(1,334)	1:16:A:VAL:HG11	1:23:A:VAL:HB	16	0.31
(1,334)	1:16:A:VAL:HG12	1:23:A:VAL:HB	16	0.31
(1,334)	1:16:A:VAL:HG13	1:23:A:VAL:HB	16	0.31
(1,334)	1:16:A:VAL:HG21	1:23:A:VAL:HB	16	0.31
(1,334)	1:16:A:VAL:HG22	1:23:A:VAL:HB	16	0.31
(1,334)	1:16:A:VAL:HG23	1:23:A:VAL:HB	16	0.31
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB1	19	0.31
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB2	19	0.31
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB3	19	0.31
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD1	10	0.31
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD2	10	0.31
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD1	10	0.31
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD2	10	0.31
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD1	10	0.31
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD2	10	0.31
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD1	18	0.31
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD2	18	0.31
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD1	18	0.31
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD2	18	0.31
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD1	18	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD2	18	0.31
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD1	20	0.31
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD2	20	0.31
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD1	20	0.31
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD2	20	0.31
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD1	20	0.31
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD2	20	0.31
(1,295)	1:39:A:THR:HA	1:42:A:LEU:HG	10	0.31
(1,228)	1:18:A:ASN:HA	1:158:A:TYR:HE1	4	0.31
(1,228)	1:18:A:ASN:HA	1:158:A:TYR:HE2	4	0.31
(1,220)	1:70:A:ALA:H	1:121:A:GLU:HA	18	0.31
(1,217)	1:3:A:THR:HB	1:145:A:PRO:HB2	19	0.31
(1,214)	1:13:A:LYS:HD3	1:153:A:THR:HG21	12	0.31
(1,214)	1:13:A:LYS:HD3	1:153:A:THR:HG22	12	0.31
(1,214)	1:13:A:LYS:HD3	1:153:A:THR:HG23	12	0.31
(1,200)	1:32:A:VAL:HA	1:34:A:LEU:H	8	0.31
(1,200)	1:32:A:VAL:HA	1:34:A:LEU:H	14	0.31
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG21	13	0.31
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG22	13	0.31
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG23	13	0.31
(1,162)	1:18:A:ASN:HA	1:18:A:ASN:HD21	13	0.31
(1,118)	1:19:A:ALA:H	1:21:A:CYS:HA	4	0.31
(1,118)	1:19:A:ALA:H	1:21:A:CYS:HA	10	0.31
(1,118)	1:19:A:ALA:H	1:21:A:CYS:HA	19	0.31
(1,99)	1:61:A:CYS:H	1:128:A:THR:H	15	0.31
(1,99)	1:61:A:CYS:H	1:128:A:THR:H	18	0.31
(1,94)	1:142:A:ALA:HB1	1:144:A:THR:HB	2	0.31
(1,94)	1:142:A:ALA:HB2	1:144:A:THR:HB	2	0.31
(1,94)	1:142:A:ALA:HB3	1:144:A:THR:HB	2	0.31
(1,94)	1:142:A:ALA:HB1	1:144:A:THR:HB	3	0.31
(1,94)	1:142:A:ALA:HB2	1:144:A:THR:HB	3	0.31
(1,94)	1:142:A:ALA:HB3	1:144:A:THR:HB	3	0.31
(1,94)	1:142:A:ALA:HB1	1:144:A:THR:HB	15	0.31
(1,94)	1:142:A:ALA:HB2	1:144:A:THR:HB	15	0.31
(1,94)	1:142:A:ALA:HB3	1:144:A:THR:HB	15	0.31
(1,94)	1:142:A:ALA:HB1	1:144:A:THR:HB	18	0.31
(1,94)	1:142:A:ALA:HB2	1:144:A:THR:HB	18	0.31
(1,94)	1:142:A:ALA:HB3	1:144:A:THR:HB	18	0.31
(1,63)	1:20:A:ALA:HB1	1:63:A:THR:H	5	0.31
(1,63)	1:20:A:ALA:HB2	1:63:A:THR:H	5	0.31
(1,63)	1:20:A:ALA:HB3	1:63:A:THR:H	5	0.31
(1,48)	1:150:A:ALA:HB1	1:152:A:ALA:HA	15	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,48)	1:150:A:ALA:HB2	1:152:A:ALA:HA	15	0.31
(1,48)	1:150:A:ALA:HB3	1:152:A:ALA:HA	15	0.31
(1,32)	1:78:A:ILE:HD11	1:101:A:VAL:H	20	0.31
(1,32)	1:78:A:ILE:HD12	1:101:A:VAL:H	20	0.31
(1,32)	1:78:A:ILE:HD13	1:101:A:VAL:H	20	0.31
(1,6)	1:4:A:THR:H	1:39:A:THR:HG21	3	0.31
(1,6)	1:4:A:THR:H	1:39:A:THR:HG22	3	0.31
(1,6)	1:4:A:THR:H	1:39:A:THR:HG23	3	0.31
(1,3478)	1:126:A:ASN:H	1:126:A:ASN:HD21	3	0.3
(1,3478)	1:126:A:ASN:H	1:126:A:ASN:HD22	3	0.3
(1,3478)	1:126:A:ASN:H	1:126:A:ASN:HD21	12	0.3
(1,3478)	1:126:A:ASN:H	1:126:A:ASN:HD22	12	0.3
(1,3478)	1:126:A:ASN:H	1:126:A:ASN:HD21	16	0.3
(1,3478)	1:126:A:ASN:H	1:126:A:ASN:HD22	16	0.3
(1,3392)	1:99:A:VAL:HG11	1:137:A:TYR:HE1	5	0.3
(1,3392)	1:99:A:VAL:HG11	1:137:A:TYR:HE2	5	0.3
(1,3392)	1:99:A:VAL:HG12	1:137:A:TYR:HE1	5	0.3
(1,3392)	1:99:A:VAL:HG12	1:137:A:TYR:HE2	5	0.3
(1,3392)	1:99:A:VAL:HG13	1:137:A:TYR:HE1	5	0.3
(1,3392)	1:99:A:VAL:HG13	1:137:A:TYR:HE2	5	0.3
(1,3392)	1:99:A:VAL:HG21	1:137:A:TYR:HE1	5	0.3
(1,3392)	1:99:A:VAL:HG21	1:137:A:TYR:HE2	5	0.3
(1,3392)	1:99:A:VAL:HG22	1:137:A:TYR:HE1	5	0.3
(1,3392)	1:99:A:VAL:HG22	1:137:A:TYR:HE2	5	0.3
(1,3392)	1:99:A:VAL:HG23	1:137:A:TYR:HE1	5	0.3
(1,3392)	1:99:A:VAL:HG23	1:137:A:TYR:HE2	5	0.3
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG11	6	0.3
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG12	6	0.3
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG13	6	0.3
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG21	6	0.3
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG22	6	0.3
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG23	6	0.3
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB1	19	0.3
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB2	19	0.3
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB3	19	0.3
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB1	19	0.3
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB2	19	0.3
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB3	19	0.3
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB1	19	0.3
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB2	19	0.3
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB3	19	0.3
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB1	19	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB2	19	0.3
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB3	19	0.3
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB1	19	0.3
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB2	19	0.3
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB3	19	0.3
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB1	19	0.3
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB2	19	0.3
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB3	19	0.3
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB1	10	0.3
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB2	10	0.3
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB3	10	0.3
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB1	10	0.3
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB2	10	0.3
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB3	10	0.3
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB1	10	0.3
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB2	10	0.3
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB3	10	0.3
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB1	10	0.3
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB2	10	0.3
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB3	10	0.3
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB1	10	0.3
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB2	10	0.3
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB3	10	0.3
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB1	10	0.3
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB2	10	0.3
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB3	10	0.3
(1,3269)	1:71:A:VAL:HG11	1:155:A:LYS:H	19	0.3
(1,3269)	1:71:A:VAL:HG12	1:155:A:LYS:H	19	0.3
(1,3269)	1:71:A:VAL:HG13	1:155:A:LYS:H	19	0.3
(1,3269)	1:71:A:VAL:HG21	1:155:A:LYS:H	19	0.3
(1,3269)	1:71:A:VAL:HG22	1:155:A:LYS:H	19	0.3
(1,3269)	1:71:A:VAL:HG23	1:155:A:LYS:H	19	0.3
(1,3176)	1:58:A:LEU:HD11	1:131:A:ILE:HG13	2	0.3
(1,3176)	1:58:A:LEU:HD12	1:131:A:ILE:HG13	2	0.3
(1,3176)	1:58:A:LEU:HD13	1:131:A:ILE:HG13	2	0.3
(1,3176)	1:58:A:LEU:HD21	1:131:A:ILE:HG13	2	0.3
(1,3176)	1:58:A:LEU:HD22	1:131:A:ILE:HG13	2	0.3
(1,3176)	1:58:A:LEU:HD23	1:131:A:ILE:HG13	2	0.3
(1,3169)	1:57:A:GLN:HE21	1:128:A:THR:HG21	14	0.3
(1,3169)	1:57:A:GLN:HE21	1:128:A:THR:HG22	14	0.3
(1,3169)	1:57:A:GLN:HE21	1:128:A:THR:HG23	14	0.3
(1,3169)	1:57:A:GLN:HE22	1:128:A:THR:HG21	14	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3169)	1:57:A:GLN:HE22	1:128:A:THR:HG22	14	0.3
(1,3169)	1:57:A:GLN:HE22	1:128:A:THR:HG23	14	0.3
(1,3123)	1:51:A:ALA:HA	1:136:A:ARG:HD2	4	0.3
(1,3123)	1:51:A:ALA:HA	1:136:A:ARG:HD3	4	0.3
(1,3123)	1:51:A:ALA:HA	1:136:A:ARG:HD2	13	0.3
(1,3123)	1:51:A:ALA:HA	1:136:A:ARG:HD3	13	0.3
(1,3021)	1:34:A:LEU:HD11	1:137:A:TYR:HD1	16	0.3
(1,3021)	1:34:A:LEU:HD11	1:137:A:TYR:HD2	16	0.3
(1,3021)	1:34:A:LEU:HD12	1:137:A:TYR:HD1	16	0.3
(1,3021)	1:34:A:LEU:HD12	1:137:A:TYR:HD2	16	0.3
(1,3021)	1:34:A:LEU:HD13	1:137:A:TYR:HD1	16	0.3
(1,3021)	1:34:A:LEU:HD13	1:137:A:TYR:HD2	16	0.3
(1,3021)	1:34:A:LEU:HD21	1:137:A:TYR:HD1	16	0.3
(1,3021)	1:34:A:LEU:HD21	1:137:A:TYR:HD2	16	0.3
(1,3021)	1:34:A:LEU:HD22	1:137:A:TYR:HD1	16	0.3
(1,3021)	1:34:A:LEU:HD22	1:137:A:TYR:HD2	16	0.3
(1,3021)	1:34:A:LEU:HD23	1:137:A:TYR:HD1	16	0.3
(1,3021)	1:34:A:LEU:HD23	1:137:A:TYR:HD2	16	0.3
(1,2988)	1:28:A:VAL:HG11	1:154:A:PHE:HE1	13	0.3
(1,2988)	1:28:A:VAL:HG11	1:154:A:PHE:HE2	13	0.3
(1,2988)	1:28:A:VAL:HG12	1:154:A:PHE:HE1	13	0.3
(1,2988)	1:28:A:VAL:HG12	1:154:A:PHE:HE2	13	0.3
(1,2988)	1:28:A:VAL:HG13	1:154:A:PHE:HE1	13	0.3
(1,2988)	1:28:A:VAL:HG13	1:154:A:PHE:HE2	13	0.3
(1,2988)	1:28:A:VAL:HG21	1:154:A:PHE:HE1	13	0.3
(1,2988)	1:28:A:VAL:HG21	1:154:A:PHE:HE2	13	0.3
(1,2988)	1:28:A:VAL:HG22	1:154:A:PHE:HE1	13	0.3
(1,2988)	1:28:A:VAL:HG22	1:154:A:PHE:HE2	13	0.3
(1,2988)	1:28:A:VAL:HG23	1:154:A:PHE:HE1	13	0.3
(1,2988)	1:28:A:VAL:HG23	1:154:A:PHE:HE2	13	0.3
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG11	4	0.3
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG12	4	0.3
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG13	4	0.3
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG21	4	0.3
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG22	4	0.3
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG23	4	0.3
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG11	4	0.3
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG12	4	0.3
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG13	4	0.3
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG21	4	0.3
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG22	4	0.3
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG23	4	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG11	4	0.3
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG12	4	0.3
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG13	4	0.3
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG21	4	0.3
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG22	4	0.3
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG23	4	0.3
(1,2908)	1:16:A:VAL:HG11	1:154:A:PHE:HE1	2	0.3
(1,2908)	1:16:A:VAL:HG11	1:154:A:PHE:HE2	2	0.3
(1,2908)	1:16:A:VAL:HG12	1:154:A:PHE:HE1	2	0.3
(1,2908)	1:16:A:VAL:HG12	1:154:A:PHE:HE2	2	0.3
(1,2908)	1:16:A:VAL:HG13	1:154:A:PHE:HE1	2	0.3
(1,2908)	1:16:A:VAL:HG13	1:154:A:PHE:HE2	2	0.3
(1,2908)	1:16:A:VAL:HG21	1:154:A:PHE:HE1	2	0.3
(1,2908)	1:16:A:VAL:HG21	1:154:A:PHE:HE2	2	0.3
(1,2908)	1:16:A:VAL:HG22	1:154:A:PHE:HE1	2	0.3
(1,2908)	1:16:A:VAL:HG22	1:154:A:PHE:HE2	2	0.3
(1,2908)	1:16:A:VAL:HG23	1:154:A:PHE:HE1	2	0.3
(1,2908)	1:16:A:VAL:HG23	1:154:A:PHE:HE2	2	0.3
(1,2902)	1:16:A:VAL:HG11	1:18:A:ASN:H	20	0.3
(1,2902)	1:16:A:VAL:HG12	1:18:A:ASN:H	20	0.3
(1,2902)	1:16:A:VAL:HG13	1:18:A:ASN:H	20	0.3
(1,2902)	1:16:A:VAL:HG21	1:18:A:ASN:H	20	0.3
(1,2902)	1:16:A:VAL:HG22	1:18:A:ASN:H	20	0.3
(1,2902)	1:16:A:VAL:HG23	1:18:A:ASN:H	20	0.3
(1,2853)	1:10:A:VAL:HG11	1:32:A:VAL:HA	17	0.3
(1,2853)	1:10:A:VAL:HG12	1:32:A:VAL:HA	17	0.3
(1,2853)	1:10:A:VAL:HG13	1:32:A:VAL:HA	17	0.3
(1,2853)	1:10:A:VAL:HG21	1:32:A:VAL:HA	17	0.3
(1,2853)	1:10:A:VAL:HG22	1:32:A:VAL:HA	17	0.3
(1,2853)	1:10:A:VAL:HG23	1:32:A:VAL:HA	17	0.3
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG11	10	0.3
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG12	10	0.3
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG13	10	0.3
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG21	10	0.3
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG22	10	0.3
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG23	10	0.3
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG11	10	0.3
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG12	10	0.3
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG13	10	0.3
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG21	10	0.3
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG22	10	0.3
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG23	10	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2800)	1:4:A:THR:HG21	1:36:A:GLN:HE21	19	0.3
(1,2800)	1:4:A:THR:HG21	1:36:A:GLN:HE22	19	0.3
(1,2800)	1:4:A:THR:HG22	1:36:A:GLN:HE21	19	0.3
(1,2800)	1:4:A:THR:HG22	1:36:A:GLN:HE22	19	0.3
(1,2800)	1:4:A:THR:HG23	1:36:A:GLN:HE21	19	0.3
(1,2800)	1:4:A:THR:HG23	1:36:A:GLN:HE22	19	0.3
(1,2799)	1:4:A:THR:HG21	1:36:A:GLN:HG2	19	0.3
(1,2799)	1:4:A:THR:HG21	1:36:A:GLN:HG3	19	0.3
(1,2799)	1:4:A:THR:HG22	1:36:A:GLN:HG2	19	0.3
(1,2799)	1:4:A:THR:HG22	1:36:A:GLN:HG3	19	0.3
(1,2799)	1:4:A:THR:HG23	1:36:A:GLN:HG2	19	0.3
(1,2799)	1:4:A:THR:HG23	1:36:A:GLN:HG3	19	0.3
(1,2766)	1:98:A:ASN:HD22	1:142:A:ALA:H	16	0.3
(1,2742)	1:96:A:ALA:HA	1:144:A:THR:H	6	0.3
(1,2602)	1:74:A:LEU:HB2	1:153:A:THR:HB	18	0.3
(1,2578)	1:72:A:ALA:H	1:157:A:GLN:H	11	0.3
(1,2547)	1:69:A:ALA:HB1	1:158:A:TYR:HE1	7	0.3
(1,2547)	1:69:A:ALA:HB1	1:158:A:TYR:HE2	7	0.3
(1,2547)	1:69:A:ALA:HB2	1:158:A:TYR:HE1	7	0.3
(1,2547)	1:69:A:ALA:HB2	1:158:A:TYR:HE2	7	0.3
(1,2547)	1:69:A:ALA:HB3	1:158:A:TYR:HE1	7	0.3
(1,2547)	1:69:A:ALA:HB3	1:158:A:TYR:HE2	7	0.3
(1,2547)	1:69:A:ALA:HB1	1:158:A:TYR:HE1	14	0.3
(1,2547)	1:69:A:ALA:HB1	1:158:A:TYR:HE2	14	0.3
(1,2547)	1:69:A:ALA:HB2	1:158:A:TYR:HE1	14	0.3
(1,2547)	1:69:A:ALA:HB2	1:158:A:TYR:HE2	14	0.3
(1,2547)	1:69:A:ALA:HB3	1:158:A:TYR:HE1	14	0.3
(1,2547)	1:69:A:ALA:HB3	1:158:A:TYR:HE2	14	0.3
(1,2526)	1:66:A:ALA:HA	1:68:A:LYS:H	7	0.3
(1,2403)	1:45:A:GLU:HB3	1:141:A:GLY:H	13	0.3
(1,2355)	1:3:A:THR:HA	1:4:A:THR:HG21	2	0.3
(1,2355)	1:3:A:THR:HA	1:4:A:THR:HG22	2	0.3
(1,2355)	1:3:A:THR:HA	1:4:A:THR:HG23	2	0.3
(1,2313)	1:32:A:VAL:HG11	1:54:A:PHE:HD1	8	0.3
(1,2313)	1:32:A:VAL:HG11	1:54:A:PHE:HD2	8	0.3
(1,2313)	1:32:A:VAL:HG12	1:54:A:PHE:HD1	8	0.3
(1,2313)	1:32:A:VAL:HG12	1:54:A:PHE:HD2	8	0.3
(1,2313)	1:32:A:VAL:HG13	1:54:A:PHE:HD1	8	0.3
(1,2313)	1:32:A:VAL:HG13	1:54:A:PHE:HD2	8	0.3
(1,2242)	1:20:A:ALA:HB1	1:158:A:TYR:HA	17	0.3
(1,2242)	1:20:A:ALA:HB2	1:158:A:TYR:HA	17	0.3
(1,2242)	1:20:A:ALA:HB3	1:158:A:TYR:HA	17	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2240)	1:20:A:ALA:HA	1:65:A:VAL:HB	9	0.3
(1,2122)	1:130:A:THR:H	1:130:A:THR:HB	7	0.3
(1,1948)	1:97:A:THR:H	1:148:A:ALA:HB1	5	0.3
(1,1948)	1:97:A:THR:H	1:148:A:ALA:HB2	5	0.3
(1,1948)	1:97:A:THR:H	1:148:A:ALA:HB3	5	0.3
(1,1948)	1:97:A:THR:H	1:148:A:ALA:HB1	12	0.3
(1,1948)	1:97:A:THR:H	1:148:A:ALA:HB2	12	0.3
(1,1948)	1:97:A:THR:H	1:148:A:ALA:HB3	12	0.3
(1,1938)	1:95:A:SER:HA	1:148:A:ALA:HB1	10	0.3
(1,1938)	1:95:A:SER:HA	1:148:A:ALA:HB2	10	0.3
(1,1938)	1:95:A:SER:HA	1:148:A:ALA:HB3	10	0.3
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD11	12	0.3
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD12	12	0.3
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD13	12	0.3
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD11	19	0.3
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD12	19	0.3
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD13	19	0.3
(1,1913)	1:88:A:LEU:H	1:88:A:LEU:HG	14	0.3
(1,1867)	1:77:A:ALA:HB1	1:82:A:HIS:H	20	0.3
(1,1867)	1:77:A:ALA:HB2	1:82:A:HIS:H	20	0.3
(1,1867)	1:77:A:ALA:HB3	1:82:A:HIS:H	20	0.3
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE1	13	0.3
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE2	13	0.3
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE1	17	0.3
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE2	17	0.3
(1,1590)	1:13:A:LYS:H	1:14:A:GLY:H	11	0.3
(1,1590)	1:13:A:LYS:H	1:14:A:GLY:H	19	0.3
(1,1578)	1:137:A:TYR:HB3	1:138:A:PHE:HB2	10	0.3
(1,1469)	1:104:A:LEU:HD21	1:136:A:ARG:HE	11	0.3
(1,1469)	1:104:A:LEU:HD22	1:136:A:ARG:HE	11	0.3
(1,1469)	1:104:A:LEU:HD23	1:136:A:ARG:HE	11	0.3
(1,1468)	1:104:A:LEU:HD21	1:135:A:ALA:HA	2	0.3
(1,1468)	1:104:A:LEU:HD22	1:135:A:ALA:HA	2	0.3
(1,1468)	1:104:A:LEU:HD23	1:135:A:ALA:HA	2	0.3
(1,1468)	1:104:A:LEU:HD21	1:135:A:ALA:HA	10	0.3
(1,1468)	1:104:A:LEU:HD22	1:135:A:ALA:HA	10	0.3
(1,1468)	1:104:A:LEU:HD23	1:135:A:ALA:HA	10	0.3
(1,1440)	1:102:A:GLN:HB3	1:103:A:ILE:H	9	0.3
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD1	2	0.3
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD2	2	0.3
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD1	2	0.3
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD2	2	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD1	2	0.3
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD2	2	0.3
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD1	16	0.3
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD2	16	0.3
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD1	16	0.3
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD2	16	0.3
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD1	16	0.3
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD2	16	0.3
(1,1377)	1:74:A:LEU:HB3	1:153:A:THR:HB	10	0.3
(1,1309)	1:43:A:ALA:H	1:47:A:ALA:H	8	0.3
(1,1309)	1:43:A:ALA:H	1:47:A:ALA:H	15	0.3
(1,1309)	1:43:A:ALA:H	1:47:A:ALA:H	19	0.3
(1,1302)	1:3:A:THR:HG21	1:145:A:PRO:HG3	8	0.3
(1,1302)	1:3:A:THR:HG22	1:145:A:PRO:HG3	8	0.3
(1,1302)	1:3:A:THR:HG23	1:145:A:PRO:HG3	8	0.3
(1,1296)	1:39:A:THR:HA	1:144:A:THR:HA	16	0.3
(1,1296)	1:39:A:THR:HA	1:144:A:THR:HA	17	0.3
(1,1286)	1:30:A:GLN:HB3	1:31:A:THR:H	12	0.3
(1,1261)	1:16:A:VAL:HB	1:17:A:VAL:H	16	0.3
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG21	14	0.3
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG22	14	0.3
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG23	14	0.3
(1,1094)	1:45:A:GLU:H	1:142:A:ALA:H	4	0.3
(1,1094)	1:45:A:GLU:H	1:142:A:ALA:H	12	0.3
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG21	15	0.3
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG22	15	0.3
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG23	15	0.3
(1,1068)	1:142:A:ALA:H	1:143:A:ALA:H	17	0.3
(1,1003)	1:72:A:ALA:H	1:73:A:PHE:HD1	15	0.3
(1,1003)	1:72:A:ALA:H	1:73:A:PHE:HD2	15	0.3
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB1	6	0.3
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB2	6	0.3
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB3	6	0.3
(1,963)	1:32:A:VAL:HG21	1:54:A:PHE:HA	6	0.3
(1,963)	1:32:A:VAL:HG22	1:54:A:PHE:HA	6	0.3
(1,963)	1:32:A:VAL:HG23	1:54:A:PHE:HA	6	0.3
(1,958)	1:17:A:VAL:H	1:155:A:LYS:HA	3	0.3
(1,958)	1:17:A:VAL:H	1:155:A:LYS:HA	7	0.3
(1,958)	1:17:A:VAL:H	1:155:A:LYS:HA	10	0.3
(1,958)	1:17:A:VAL:H	1:155:A:LYS:HA	12	0.3
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG21	5	0.3
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG22	5	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG23	5	0.3
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG21	5	0.3
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG22	5	0.3
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG23	5	0.3
(1,904)	1:88:A:LEU:HG	1:100:A:GLY:HA3	12	0.3
(1,877)	1:65:A:VAL:HB	1:66:A:ALA:H	3	0.3
(1,877)	1:65:A:VAL:HB	1:66:A:ALA:H	9	0.3
(1,815)	1:127:A:GLY:H	1:128:A:THR:H	3	0.3
(1,815)	1:127:A:GLY:H	1:128:A:THR:H	7	0.3
(1,815)	1:127:A:GLY:H	1:128:A:THR:H	11	0.3
(1,815)	1:127:A:GLY:H	1:128:A:THR:H	20	0.3
(1,725)	1:19:A:ALA:HB1	1:21:A:CYS:H	10	0.3
(1,725)	1:19:A:ALA:HB2	1:21:A:CYS:H	10	0.3
(1,725)	1:19:A:ALA:HB3	1:21:A:CYS:H	10	0.3
(1,725)	1:19:A:ALA:HB1	1:21:A:CYS:H	12	0.3
(1,725)	1:19:A:ALA:HB2	1:21:A:CYS:H	12	0.3
(1,725)	1:19:A:ALA:HB3	1:21:A:CYS:H	12	0.3
(1,725)	1:19:A:ALA:HB1	1:21:A:CYS:H	19	0.3
(1,725)	1:19:A:ALA:HB2	1:21:A:CYS:H	19	0.3
(1,725)	1:19:A:ALA:HB3	1:21:A:CYS:H	19	0.3
(1,721)	1:17:A:VAL:HG21	1:18:A:ASN:H	17	0.3
(1,721)	1:17:A:VAL:HG22	1:18:A:ASN:H	17	0.3
(1,721)	1:17:A:VAL:HG23	1:18:A:ASN:H	17	0.3
(1,669)	1:69:A:ALA:H	1:121:A:GLU:HA	16	0.3
(1,648)	1:19:A:ALA:H	1:22:A:ALA:HA	6	0.3
(1,639)	1:140:A:THR:H	1:143:A:ALA:H	3	0.3
(1,639)	1:140:A:THR:H	1:143:A:ALA:H	4	0.3
(1,639)	1:140:A:THR:H	1:143:A:ALA:H	20	0.3
(1,626)	1:116:A:ALA:HA	1:118:A:PHE:H	10	0.3
(1,620)	1:103:A:ILE:HG21	1:152:A:ALA:HB1	7	0.3
(1,620)	1:103:A:ILE:HG21	1:152:A:ALA:HB2	7	0.3
(1,620)	1:103:A:ILE:HG21	1:152:A:ALA:HB3	7	0.3
(1,620)	1:103:A:ILE:HG22	1:152:A:ALA:HB1	7	0.3
(1,620)	1:103:A:ILE:HG22	1:152:A:ALA:HB2	7	0.3
(1,620)	1:103:A:ILE:HG22	1:152:A:ALA:HB3	7	0.3
(1,620)	1:103:A:ILE:HG23	1:152:A:ALA:HB1	7	0.3
(1,620)	1:103:A:ILE:HG23	1:152:A:ALA:HB2	7	0.3
(1,620)	1:103:A:ILE:HG23	1:152:A:ALA:HB3	7	0.3
(1,620)	1:103:A:ILE:HG21	1:152:A:ALA:HB1	11	0.3
(1,620)	1:103:A:ILE:HG21	1:152:A:ALA:HB2	11	0.3
(1,620)	1:103:A:ILE:HG21	1:152:A:ALA:HB3	11	0.3
(1,620)	1:103:A:ILE:HG22	1:152:A:ALA:HB1	11	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,620)	1:103:A:ILE:HG22	1:152:A:ALA:HB2	11	0.3
(1,620)	1:103:A:ILE:HG22	1:152:A:ALA:HB3	11	0.3
(1,620)	1:103:A:ILE:HG23	1:152:A:ALA:HB1	11	0.3
(1,620)	1:103:A:ILE:HG23	1:152:A:ALA:HB2	11	0.3
(1,620)	1:103:A:ILE:HG23	1:152:A:ALA:HB3	11	0.3
(1,524)	1:106:A:ARG:HE	1:120:A:SER:HB2	6	0.3
(1,519)	1:90:A:SER:HA	1:95:A:SER:HA	2	0.3
(1,512)	1:82:A:HIS:HB2	1:85:A:VAL:H	5	0.3
(1,475)	1:102:A:GLN:HB3	1:136:A:ARG:HG2	9	0.3
(1,475)	1:102:A:GLN:HB3	1:136:A:ARG:HG3	9	0.3
(1,372)	1:71:A:VAL:H	1:71:A:VAL:HB	13	0.3
(1,372)	1:71:A:VAL:H	1:71:A:VAL:HB	17	0.3
(1,354)	1:99:A:VAL:HG21	1:137:A:TYR:HD1	8	0.3
(1,354)	1:99:A:VAL:HG21	1:137:A:TYR:HD2	8	0.3
(1,354)	1:99:A:VAL:HG22	1:137:A:TYR:HD1	8	0.3
(1,354)	1:99:A:VAL:HG22	1:137:A:TYR:HD2	8	0.3
(1,354)	1:99:A:VAL:HG23	1:137:A:TYR:HD1	8	0.3
(1,354)	1:99:A:VAL:HG23	1:137:A:TYR:HD2	8	0.3
(1,334)	1:16:A:VAL:HG11	1:23:A:VAL:HB	20	0.3
(1,334)	1:16:A:VAL:HG12	1:23:A:VAL:HB	20	0.3
(1,334)	1:16:A:VAL:HG13	1:23:A:VAL:HB	20	0.3
(1,334)	1:16:A:VAL:HG21	1:23:A:VAL:HB	20	0.3
(1,334)	1:16:A:VAL:HG22	1:23:A:VAL:HB	20	0.3
(1,334)	1:16:A:VAL:HG23	1:23:A:VAL:HB	20	0.3
(1,331)	1:14:A:GLY:HA2	1:15:A:GLU:H	10	0.3
(1,331)	1:14:A:GLY:HA2	1:15:A:GLU:H	17	0.3
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD21	6	0.3
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD22	6	0.3
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD23	6	0.3
(1,228)	1:18:A:ASN:HA	1:158:A:TYR:HE1	1	0.3
(1,228)	1:18:A:ASN:HA	1:158:A:TYR:HE2	1	0.3
(1,217)	1:3:A:THR:HB	1:145:A:PRO:HB2	10	0.3
(1,201)	1:41:A:SER:HA	1:47:A:ALA:HB1	20	0.3
(1,201)	1:41:A:SER:HA	1:47:A:ALA:HB2	20	0.3
(1,201)	1:41:A:SER:HA	1:47:A:ALA:HB3	20	0.3
(1,176)	1:32:A:VAL:HG11	1:54:A:PHE:HB2	10	0.3
(1,176)	1:32:A:VAL:HG11	1:54:A:PHE:HB3	10	0.3
(1,176)	1:32:A:VAL:HG12	1:54:A:PHE:HB2	10	0.3
(1,176)	1:32:A:VAL:HG12	1:54:A:PHE:HB3	10	0.3
(1,176)	1:32:A:VAL:HG13	1:54:A:PHE:HB2	10	0.3
(1,176)	1:32:A:VAL:HG13	1:54:A:PHE:HB3	10	0.3
(1,161)	1:158:A:TYR:H	1:158:A:TYR:HE1	2	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,161)	1:158:A:TYR:H	1:158:A:TYR:HE2	2	0.3
(1,118)	1:19:A:ALA:H	1:21:A:CYS:HA	3	0.3
(1,118)	1:19:A:ALA:H	1:21:A:CYS:HA	6	0.3
(1,94)	1:142:A:ALA:HB1	1:144:A:THR:HB	4	0.3
(1,94)	1:142:A:ALA:HB2	1:144:A:THR:HB	4	0.3
(1,94)	1:142:A:ALA:HB3	1:144:A:THR:HB	4	0.3
(1,94)	1:142:A:ALA:HB1	1:144:A:THR:HB	11	0.3
(1,94)	1:142:A:ALA:HB2	1:144:A:THR:HB	11	0.3
(1,94)	1:142:A:ALA:HB3	1:144:A:THR:HB	11	0.3
(1,94)	1:142:A:ALA:HB1	1:144:A:THR:HB	13	0.3
(1,94)	1:142:A:ALA:HB2	1:144:A:THR:HB	13	0.3
(1,94)	1:142:A:ALA:HB3	1:144:A:THR:HB	13	0.3
(1,94)	1:142:A:ALA:HB1	1:144:A:THR:HB	14	0.3
(1,94)	1:142:A:ALA:HB2	1:144:A:THR:HB	14	0.3
(1,94)	1:142:A:ALA:HB3	1:144:A:THR:HB	14	0.3
(1,94)	1:142:A:ALA:HB1	1:144:A:THR:HB	20	0.3
(1,94)	1:142:A:ALA:HB2	1:144:A:THR:HB	20	0.3
(1,94)	1:142:A:ALA:HB3	1:144:A:THR:HB	20	0.3
(1,79)	1:125:A:ASN:HD21	1:129:A:ASN:HD22	10	0.3
(1,54)	1:74:A:LEU:HG	1:152:A:ALA:HA	6	0.3
(1,36)	1:137:A:TYR:HD1	1:148:A:ALA:HA	4	0.3
(1,36)	1:137:A:TYR:HD2	1:148:A:ALA:HA	4	0.3
(1,32)	1:78:A:ILE:HD11	1:101:A:VAL:H	10	0.3
(1,32)	1:78:A:ILE:HD12	1:101:A:VAL:H	10	0.3
(1,32)	1:78:A:ILE:HD13	1:101:A:VAL:H	10	0.3
(1,14)	1:115:A:GLY:HA2	1:155:A:LYS:HD2	13	0.3
(1,14)	1:115:A:GLY:HA2	1:155:A:LYS:HD3	13	0.3
(1,3449)	1:106:A:ARG:HA	1:119:A:SER:HB2	7	0.29
(1,3449)	1:106:A:ARG:HA	1:119:A:SER:HB3	7	0.29
(1,3392)	1:99:A:VAL:HG11	1:137:A:TYR:HE1	6	0.29
(1,3392)	1:99:A:VAL:HG11	1:137:A:TYR:HE2	6	0.29
(1,3392)	1:99:A:VAL:HG12	1:137:A:TYR:HE1	6	0.29
(1,3392)	1:99:A:VAL:HG12	1:137:A:TYR:HE2	6	0.29
(1,3392)	1:99:A:VAL:HG13	1:137:A:TYR:HE1	6	0.29
(1,3392)	1:99:A:VAL:HG13	1:137:A:TYR:HE2	6	0.29
(1,3392)	1:99:A:VAL:HG21	1:137:A:TYR:HE1	6	0.29
(1,3392)	1:99:A:VAL:HG21	1:137:A:TYR:HE2	6	0.29
(1,3392)	1:99:A:VAL:HG22	1:137:A:TYR:HE1	6	0.29
(1,3392)	1:99:A:VAL:HG22	1:137:A:TYR:HE2	6	0.29
(1,3392)	1:99:A:VAL:HG23	1:137:A:TYR:HE1	6	0.29
(1,3392)	1:99:A:VAL:HG23	1:137:A:TYR:HE2	6	0.29
(1,3391)	1:99:A:VAL:HG11	1:137:A:TYR:HD1	18	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3391)	1:99:A:VAL:HG11	1:137:A:TYR:HD2	18	0.29
(1,3391)	1:99:A:VAL:HG12	1:137:A:TYR:HD1	18	0.29
(1,3391)	1:99:A:VAL:HG12	1:137:A:TYR:HD2	18	0.29
(1,3391)	1:99:A:VAL:HG13	1:137:A:TYR:HD1	18	0.29
(1,3391)	1:99:A:VAL:HG13	1:137:A:TYR:HD2	18	0.29
(1,3391)	1:99:A:VAL:HG21	1:137:A:TYR:HD1	18	0.29
(1,3391)	1:99:A:VAL:HG21	1:137:A:TYR:HD2	18	0.29
(1,3391)	1:99:A:VAL:HG22	1:137:A:TYR:HD1	18	0.29
(1,3391)	1:99:A:VAL:HG22	1:137:A:TYR:HD2	18	0.29
(1,3391)	1:99:A:VAL:HG23	1:137:A:TYR:HD1	18	0.29
(1,3391)	1:99:A:VAL:HG23	1:137:A:TYR:HD2	18	0.29
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG11	6	0.29
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG12	6	0.29
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG13	6	0.29
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG21	6	0.29
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG22	6	0.29
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG23	6	0.29
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG11	6	0.29
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG12	6	0.29
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG13	6	0.29
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG21	6	0.29
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG22	6	0.29
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG23	6	0.29
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG11	6	0.29
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG12	6	0.29
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG13	6	0.29
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG21	6	0.29
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG22	6	0.29
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG23	6	0.29
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG11	6	0.29
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG12	6	0.29
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG13	6	0.29
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG21	6	0.29
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG22	6	0.29
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG23	6	0.29
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG11	6	0.29
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG12	6	0.29
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG13	6	0.29
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG21	6	0.29
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG22	6	0.29
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG23	6	0.29
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG11	6	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG12	6	0.29
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG13	6	0.29
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG21	6	0.29
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG22	6	0.29
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG23	6	0.29
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB1	1	0.29
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB2	1	0.29
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB3	1	0.29
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB1	1	0.29
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB2	1	0.29
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB3	1	0.29
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB1	1	0.29
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB2	1	0.29
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB3	1	0.29
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB1	1	0.29
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB2	1	0.29
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB3	1	0.29
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB1	1	0.29
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB2	1	0.29
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB3	1	0.29
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB1	1	0.29
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB2	1	0.29
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB3	1	0.29
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB1	3	0.29
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB2	3	0.29
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB3	3	0.29
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB1	3	0.29
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB2	3	0.29
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB3	3	0.29
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB1	3	0.29
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB2	3	0.29
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB3	3	0.29
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB1	3	0.29
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB2	3	0.29
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB3	3	0.29
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB1	3	0.29
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB2	3	0.29
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB3	3	0.29
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB1	3	0.29
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB2	3	0.29
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB3	3	0.29
(1,3269)	1:71:A:VAL:HG11	1:155:A:LYS:H	17	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3269)	1:71:A:VAL:HG12	1:155:A:LYS:H	17	0.29
(1,3269)	1:71:A:VAL:HG13	1:155:A:LYS:H	17	0.29
(1,3269)	1:71:A:VAL:HG21	1:155:A:LYS:H	17	0.29
(1,3269)	1:71:A:VAL:HG22	1:155:A:LYS:H	17	0.29
(1,3269)	1:71:A:VAL:HG23	1:155:A:LYS:H	17	0.29
(1,3269)	1:71:A:VAL:HG11	1:155:A:LYS:H	20	0.29
(1,3269)	1:71:A:VAL:HG12	1:155:A:LYS:H	20	0.29
(1,3269)	1:71:A:VAL:HG13	1:155:A:LYS:H	20	0.29
(1,3269)	1:71:A:VAL:HG21	1:155:A:LYS:H	20	0.29
(1,3269)	1:71:A:VAL:HG22	1:155:A:LYS:H	20	0.29
(1,3269)	1:71:A:VAL:HG23	1:155:A:LYS:H	20	0.29
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB2	3	0.29
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB3	3	0.29
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB2	3	0.29
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB3	3	0.29
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB2	3	0.29
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB3	3	0.29
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB2	6	0.29
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB3	6	0.29
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB2	6	0.29
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB3	6	0.29
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB2	6	0.29
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB3	6	0.29
(1,3191)	1:62:A:ASP:HB2	1:65:A:VAL:HB	5	0.29
(1,3191)	1:62:A:ASP:HB3	1:65:A:VAL:HB	5	0.29
(1,3140)	1:54:A:PHE:HA	1:55:A:ASN:HD21	7	0.29
(1,3140)	1:54:A:PHE:HA	1:55:A:ASN:HD22	7	0.29
(1,3135)	1:52:A:VAL:HG11	1:134:A:GLN:HB3	5	0.29
(1,3135)	1:52:A:VAL:HG12	1:134:A:GLN:HB3	5	0.29
(1,3135)	1:52:A:VAL:HG13	1:134:A:GLN:HB3	5	0.29
(1,3135)	1:52:A:VAL:HG21	1:134:A:GLN:HB3	5	0.29
(1,3135)	1:52:A:VAL:HG22	1:134:A:GLN:HB3	5	0.29
(1,3135)	1:52:A:VAL:HG23	1:134:A:GLN:HB3	5	0.29
(1,3123)	1:51:A:ALA:HA	1:136:A:ARG:HD2	20	0.29
(1,3123)	1:51:A:ALA:HA	1:136:A:ARG:HD3	20	0.29
(1,3065)	1:42:A:LEU:HD11	1:48:A:THR:HB	8	0.29
(1,3065)	1:42:A:LEU:HD12	1:48:A:THR:HB	8	0.29
(1,3065)	1:42:A:LEU:HD13	1:48:A:THR:HB	8	0.29
(1,3065)	1:42:A:LEU:HD21	1:48:A:THR:HB	8	0.29
(1,3065)	1:42:A:LEU:HD22	1:48:A:THR:HB	8	0.29
(1,3065)	1:42:A:LEU:HD23	1:48:A:THR:HB	8	0.29
(1,3024)	1:34:A:LEU:HD11	1:150:A:ALA:H	8	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3024)	1:34:A:LEU:HD12	1:150:A:ALA:H	8	0.29
(1,3024)	1:34:A:LEU:HD13	1:150:A:ALA:H	8	0.29
(1,3024)	1:34:A:LEU:HD21	1:150:A:ALA:H	8	0.29
(1,3024)	1:34:A:LEU:HD22	1:150:A:ALA:H	8	0.29
(1,3024)	1:34:A:LEU:HD23	1:150:A:ALA:H	8	0.29
(1,2976)	1:27:A:SER:HB2	1:28:A:VAL:HB	1	0.29
(1,2976)	1:27:A:SER:HB3	1:28:A:VAL:HB	1	0.29
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG11	12	0.29
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG12	12	0.29
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG13	12	0.29
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG21	12	0.29
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG22	12	0.29
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG23	12	0.29
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG11	12	0.29
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG12	12	0.29
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG13	12	0.29
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG21	12	0.29
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG22	12	0.29
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG23	12	0.29
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG11	12	0.29
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG12	12	0.29
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG13	12	0.29
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG21	12	0.29
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG22	12	0.29
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG23	12	0.29
(1,2908)	1:16:A:VAL:HG11	1:154:A:PHE:HE1	9	0.29
(1,2908)	1:16:A:VAL:HG11	1:154:A:PHE:HE2	9	0.29
(1,2908)	1:16:A:VAL:HG12	1:154:A:PHE:HE1	9	0.29
(1,2908)	1:16:A:VAL:HG12	1:154:A:PHE:HE2	9	0.29
(1,2908)	1:16:A:VAL:HG13	1:154:A:PHE:HE1	9	0.29
(1,2908)	1:16:A:VAL:HG13	1:154:A:PHE:HE2	9	0.29
(1,2908)	1:16:A:VAL:HG21	1:154:A:PHE:HE1	9	0.29
(1,2908)	1:16:A:VAL:HG21	1:154:A:PHE:HE2	9	0.29
(1,2908)	1:16:A:VAL:HG22	1:154:A:PHE:HE1	9	0.29
(1,2908)	1:16:A:VAL:HG22	1:154:A:PHE:HE2	9	0.29
(1,2908)	1:16:A:VAL:HG23	1:154:A:PHE:HE1	9	0.29
(1,2908)	1:16:A:VAL:HG23	1:154:A:PHE:HE2	9	0.29
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG11	18	0.29
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG12	18	0.29
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG13	18	0.29
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG21	18	0.29
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG22	18	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG23	18	0.29
(1,2853)	1:10:A:VAL:HG11	1:32:A:VAL:HA	15	0.29
(1,2853)	1:10:A:VAL:HG12	1:32:A:VAL:HA	15	0.29
(1,2853)	1:10:A:VAL:HG13	1:32:A:VAL:HA	15	0.29
(1,2853)	1:10:A:VAL:HG21	1:32:A:VAL:HA	15	0.29
(1,2853)	1:10:A:VAL:HG22	1:32:A:VAL:HA	15	0.29
(1,2853)	1:10:A:VAL:HG23	1:32:A:VAL:HA	15	0.29
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG11	14	0.29
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG12	14	0.29
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG13	14	0.29
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG21	14	0.29
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG22	14	0.29
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG23	14	0.29
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG11	15	0.29
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG12	15	0.29
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG13	15	0.29
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG21	15	0.29
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG22	15	0.29
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG23	15	0.29
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD11	7	0.29
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD12	7	0.29
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD13	7	0.29
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD21	7	0.29
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD22	7	0.29
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD23	7	0.29
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD11	7	0.29
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD12	7	0.29
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD13	7	0.29
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD21	7	0.29
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD22	7	0.29
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD23	7	0.29
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD11	7	0.29
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD12	7	0.29
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD13	7	0.29
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD21	7	0.29
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD22	7	0.29
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD23	7	0.29
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD11	7	0.29
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD12	7	0.29
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD13	7	0.29
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD21	7	0.29
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD22	7	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD23	7	0.29
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD11	7	0.29
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD12	7	0.29
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD13	7	0.29
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD21	7	0.29
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD22	7	0.29
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD23	7	0.29
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD11	7	0.29
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD12	7	0.29
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD13	7	0.29
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD21	7	0.29
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD22	7	0.29
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD23	7	0.29
(1,2800)	1:4:A:THR:HG21	1:36:A:GLN:HE21	3	0.29
(1,2800)	1:4:A:THR:HG21	1:36:A:GLN:HE22	3	0.29
(1,2800)	1:4:A:THR:HG22	1:36:A:GLN:HE21	3	0.29
(1,2800)	1:4:A:THR:HG22	1:36:A:GLN:HE22	3	0.29
(1,2800)	1:4:A:THR:HG23	1:36:A:GLN:HE21	3	0.29
(1,2800)	1:4:A:THR:HG23	1:36:A:GLN:HE22	3	0.29
(1,2790)	1:9:A:THR:HA	1:34:A:LEU:HG	9	0.29
(1,2778)	1:99:A:VAL:HG11	1:137:A:TYR:HE1	2	0.29
(1,2778)	1:99:A:VAL:HG11	1:137:A:TYR:HE2	2	0.29
(1,2778)	1:99:A:VAL:HG12	1:137:A:TYR:HE1	2	0.29
(1,2778)	1:99:A:VAL:HG12	1:137:A:TYR:HE2	2	0.29
(1,2778)	1:99:A:VAL:HG13	1:137:A:TYR:HE1	2	0.29
(1,2778)	1:99:A:VAL:HG13	1:137:A:TYR:HE2	2	0.29
(1,2766)	1:98:A:ASN:HD22	1:142:A:ALA:H	19	0.29
(1,2716)	1:88:A:LEU:HD21	1:148:A:ALA:HA	20	0.29
(1,2716)	1:88:A:LEU:HD22	1:148:A:ALA:HA	20	0.29
(1,2716)	1:88:A:LEU:HD23	1:148:A:ALA:HA	20	0.29
(1,2709)	1:87:A:ALA:HA	1:88:A:LEU:HG	5	0.29
(1,2612)	1:75:A:GLY:HA2	1:86:A:LEU:HD11	4	0.29
(1,2612)	1:75:A:GLY:HA2	1:86:A:LEU:HD12	4	0.29
(1,2612)	1:75:A:GLY:HA2	1:86:A:LEU:HD13	4	0.29
(1,2612)	1:75:A:GLY:HA2	1:86:A:LEU:HD11	11	0.29
(1,2612)	1:75:A:GLY:HA2	1:86:A:LEU:HD12	11	0.29
(1,2612)	1:75:A:GLY:HA2	1:86:A:LEU:HD13	11	0.29
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD11	8	0.29
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD12	8	0.29
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD13	8	0.29
(1,2609)	1:75:A:GLY:H	1:115:A:GLY:H	5	0.29
(1,2578)	1:72:A:ALA:H	1:157:A:GLN:H	7	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2578)	1:72:A:ALA:H	1:157:A:GLN:H	10	0.29
(1,2547)	1:69:A:ALA:HB1	1:158:A:TYR:HE1	3	0.29
(1,2547)	1:69:A:ALA:HB1	1:158:A:TYR:HE2	3	0.29
(1,2547)	1:69:A:ALA:HB2	1:158:A:TYR:HE1	3	0.29
(1,2547)	1:69:A:ALA:HB2	1:158:A:TYR:HE2	3	0.29
(1,2547)	1:69:A:ALA:HB3	1:158:A:TYR:HE1	3	0.29
(1,2547)	1:69:A:ALA:HB3	1:158:A:TYR:HE2	3	0.29
(1,2547)	1:69:A:ALA:HB1	1:158:A:TYR:HE1	11	0.29
(1,2547)	1:69:A:ALA:HB1	1:158:A:TYR:HE2	11	0.29
(1,2547)	1:69:A:ALA:HB2	1:158:A:TYR:HE1	11	0.29
(1,2547)	1:69:A:ALA:HB2	1:158:A:TYR:HE2	11	0.29
(1,2547)	1:69:A:ALA:HB3	1:158:A:TYR:HE1	11	0.29
(1,2547)	1:69:A:ALA:HB3	1:158:A:TYR:HE2	11	0.29
(1,2526)	1:66:A:ALA:HA	1:68:A:LYS:H	16	0.29
(1,2503)	1:5:A:VAL:HG21	1:39:A:THR:HA	16	0.29
(1,2503)	1:5:A:VAL:HG22	1:39:A:THR:HA	16	0.29
(1,2503)	1:5:A:VAL:HG23	1:39:A:THR:HA	16	0.29
(1,2382)	1:43:A:ALA:H	1:47:A:ALA:HA	10	0.29
(1,2382)	1:43:A:ALA:H	1:47:A:ALA:HA	17	0.29
(1,2382)	1:43:A:ALA:H	1:47:A:ALA:HA	20	0.29
(1,2357)	1:3:A:THR:HB	1:4:A:THR:H	17	0.29
(1,2322)	1:33:A:GLN:HG2	1:35:A:GLY:H	8	0.29
(1,2322)	1:33:A:GLN:HG3	1:35:A:GLY:H	8	0.29
(1,2115)	1:129:A:ASN:HB2	1:130:A:THR:H	18	0.29
(1,2115)	1:129:A:ASN:HB2	1:130:A:THR:H	20	0.29
(1,2044)	1:10:A:VAL:HB	1:32:A:VAL:HB	9	0.29
(1,1946)	1:97:A:THR:H	1:143:A:ALA:HB1	6	0.29
(1,1946)	1:97:A:THR:H	1:143:A:ALA:HB2	6	0.29
(1,1946)	1:97:A:THR:H	1:143:A:ALA:HB3	6	0.29
(1,1913)	1:88:A:LEU:H	1:88:A:LEU:HG	13	0.29
(1,1867)	1:77:A:ALA:HB1	1:82:A:HIS:H	7	0.29
(1,1867)	1:77:A:ALA:HB2	1:82:A:HIS:H	7	0.29
(1,1867)	1:77:A:ALA:HB3	1:82:A:HIS:H	7	0.29
(1,1867)	1:77:A:ALA:HB1	1:82:A:HIS:H	12	0.29
(1,1867)	1:77:A:ALA:HB2	1:82:A:HIS:H	12	0.29
(1,1867)	1:77:A:ALA:HB3	1:82:A:HIS:H	12	0.29
(1,1664)	1:27:A:SER:HA	1:30:A:GLN:HE21	16	0.29
(1,1652)	1:23:A:VAL:H	1:58:A:LEU:HB3	5	0.29
(1,1652)	1:23:A:VAL:H	1:58:A:LEU:HB3	19	0.29
(1,1634)	1:16:A:VAL:H	1:155:A:LYS:HA	9	0.29
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE1	4	0.29
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE2	4	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE1	19	0.29
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE2	19	0.29
(1,1590)	1:13:A:LYS:H	1:14:A:GLY:H	5	0.29
(1,1580)	1:138:A:PHE:H	1:139:A:ALA:H	1	0.29
(1,1580)	1:138:A:PHE:H	1:139:A:ALA:H	13	0.29
(1,1468)	1:104:A:LEU:HD21	1:135:A:ALA:HA	18	0.29
(1,1468)	1:104:A:LEU:HD22	1:135:A:ALA:HA	18	0.29
(1,1468)	1:104:A:LEU:HD23	1:135:A:ALA:HA	18	0.29
(1,1415)	1:93:A:ALA:H	1:95:A:SER:H	17	0.29
(1,1355)	1:6:A:ASN:HB3	1:7:A:GLY:H	3	0.29
(1,1349)	1:67:A:SER:HA	1:123:A:THR:HA	7	0.29
(1,1309)	1:43:A:ALA:H	1:47:A:ALA:H	18	0.29
(1,1302)	1:3:A:THR:HG21	1:145:A:PRO:HG3	6	0.29
(1,1302)	1:3:A:THR:HG22	1:145:A:PRO:HG3	6	0.29
(1,1302)	1:3:A:THR:HG23	1:145:A:PRO:HG3	6	0.29
(1,1302)	1:3:A:THR:HG21	1:145:A:PRO:HG3	18	0.29
(1,1302)	1:3:A:THR:HG22	1:145:A:PRO:HG3	18	0.29
(1,1302)	1:3:A:THR:HG23	1:145:A:PRO:HG3	18	0.29
(1,1296)	1:39:A:THR:HA	1:144:A:THR:HA	14	0.29
(1,1296)	1:39:A:THR:HA	1:144:A:THR:HA	18	0.29
(1,1286)	1:30:A:GLN:HB3	1:31:A:THR:H	8	0.29
(1,1286)	1:30:A:GLN:HB3	1:31:A:THR:H	11	0.29
(1,1280)	1:27:A:SER:H	1:28:A:VAL:HB	2	0.29
(1,1280)	1:27:A:SER:H	1:28:A:VAL:HB	5	0.29
(1,1261)	1:16:A:VAL:HB	1:17:A:VAL:H	2	0.29
(1,1261)	1:16:A:VAL:HB	1:17:A:VAL:H	3	0.29
(1,1261)	1:16:A:VAL:HB	1:17:A:VAL:H	8	0.29
(1,1099)	1:48:A:THR:HG21	1:136:A:ARG:HG2	2	0.29
(1,1099)	1:48:A:THR:HG21	1:136:A:ARG:HG3	2	0.29
(1,1099)	1:48:A:THR:HG22	1:136:A:ARG:HG2	2	0.29
(1,1099)	1:48:A:THR:HG22	1:136:A:ARG:HG3	2	0.29
(1,1099)	1:48:A:THR:HG23	1:136:A:ARG:HG2	2	0.29
(1,1099)	1:48:A:THR:HG23	1:136:A:ARG:HG3	2	0.29
(1,1094)	1:45:A:GLU:H	1:142:A:ALA:H	2	0.29
(1,1068)	1:142:A:ALA:H	1:143:A:ALA:H	1	0.29
(1,1068)	1:142:A:ALA:H	1:143:A:ALA:H	4	0.29
(1,1068)	1:142:A:ALA:H	1:143:A:ALA:H	13	0.29
(1,1068)	1:142:A:ALA:H	1:143:A:ALA:H	16	0.29
(1,1013)	1:82:A:HIS:H	1:84:A:ASN:H	15	0.29
(1,1003)	1:72:A:ALA:H	1:73:A:PHE:HD1	8	0.29
(1,1003)	1:72:A:ALA:H	1:73:A:PHE:HD2	8	0.29
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB1	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB2	2	0.29
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB3	2	0.29
(1,958)	1:17:A:VAL:H	1:155:A:LYS:HA	17	0.29
(1,879)	1:69:A:ALA:H	1:121:A:GLU:HB3	6	0.29
(1,815)	1:127:A:GLY:H	1:128:A:THR:H	17	0.29
(1,770)	1:79:A:ASP:HB2	1:81:A:GLY:H	17	0.29
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG11	2	0.29
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG12	2	0.29
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG13	2	0.29
(1,692)	1:10:A:VAL:HA	1:149:A:ASN:HA	16	0.29
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB1	2	0.29
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB2	2	0.29
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB3	2	0.29
(1,669)	1:69:A:ALA:H	1:121:A:GLU:HA	5	0.29
(1,648)	1:19:A:ALA:H	1:22:A:ALA:HA	12	0.29
(1,639)	1:140:A:THR:H	1:143:A:ALA:H	5	0.29
(1,639)	1:140:A:THR:H	1:143:A:ALA:H	17	0.29
(1,639)	1:140:A:THR:H	1:143:A:ALA:H	19	0.29
(1,587)	1:42:A:LEU:HG	1:48:A:THR:HA	11	0.29
(1,524)	1:106:A:ARG:HE	1:120:A:SER:HB2	9	0.29
(1,517)	1:88:A:LEU:HD21	1:149:A:ASN:H	8	0.29
(1,517)	1:88:A:LEU:HD22	1:149:A:ASN:H	8	0.29
(1,517)	1:88:A:LEU:HD23	1:149:A:ASN:H	8	0.29
(1,472)	1:93:A:ALA:HB1	1:95:A:SER:H	6	0.29
(1,472)	1:93:A:ALA:HB2	1:95:A:SER:H	6	0.29
(1,472)	1:93:A:ALA:HB3	1:95:A:SER:H	6	0.29
(1,472)	1:93:A:ALA:HB1	1:95:A:SER:H	8	0.29
(1,472)	1:93:A:ALA:HB2	1:95:A:SER:H	8	0.29
(1,472)	1:93:A:ALA:HB3	1:95:A:SER:H	8	0.29
(1,472)	1:93:A:ALA:HB1	1:95:A:SER:H	10	0.29
(1,472)	1:93:A:ALA:HB2	1:95:A:SER:H	10	0.29
(1,472)	1:93:A:ALA:HB3	1:95:A:SER:H	10	0.29
(1,472)	1:93:A:ALA:HB1	1:95:A:SER:H	18	0.29
(1,472)	1:93:A:ALA:HB2	1:95:A:SER:H	18	0.29
(1,472)	1:93:A:ALA:HB3	1:95:A:SER:H	18	0.29
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG21	14	0.29
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG22	14	0.29
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG23	14	0.29
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG21	14	0.29
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG22	14	0.29
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG23	14	0.29
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG21	14	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG22	14	0.29
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG23	14	0.29
(1,372)	1:71:A:VAL:H	1:71:A:VAL:HB	20	0.29
(1,359)	1:113:A:LEU:HD11	1:151:A:ASP:H	18	0.29
(1,359)	1:113:A:LEU:HD12	1:151:A:ASP:H	18	0.29
(1,359)	1:113:A:LEU:HD13	1:151:A:ASP:H	18	0.29
(1,359)	1:113:A:LEU:HD21	1:151:A:ASP:H	18	0.29
(1,359)	1:113:A:LEU:HD22	1:151:A:ASP:H	18	0.29
(1,359)	1:113:A:LEU:HD23	1:151:A:ASP:H	18	0.29
(1,334)	1:16:A:VAL:HG11	1:23:A:VAL:HB	1	0.29
(1,334)	1:16:A:VAL:HG12	1:23:A:VAL:HB	1	0.29
(1,334)	1:16:A:VAL:HG13	1:23:A:VAL:HB	1	0.29
(1,334)	1:16:A:VAL:HG21	1:23:A:VAL:HB	1	0.29
(1,334)	1:16:A:VAL:HG22	1:23:A:VAL:HB	1	0.29
(1,334)	1:16:A:VAL:HG23	1:23:A:VAL:HB	1	0.29
(1,334)	1:16:A:VAL:HG11	1:23:A:VAL:HB	8	0.29
(1,334)	1:16:A:VAL:HG12	1:23:A:VAL:HB	8	0.29
(1,334)	1:16:A:VAL:HG13	1:23:A:VAL:HB	8	0.29
(1,334)	1:16:A:VAL:HG21	1:23:A:VAL:HB	8	0.29
(1,334)	1:16:A:VAL:HG22	1:23:A:VAL:HB	8	0.29
(1,334)	1:16:A:VAL:HG23	1:23:A:VAL:HB	8	0.29
(1,331)	1:14:A:GLY:HA2	1:15:A:GLU:H	14	0.29
(1,331)	1:14:A:GLY:HA2	1:15:A:GLU:H	15	0.29
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD1	2	0.29
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD2	2	0.29
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD1	2	0.29
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD2	2	0.29
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD1	2	0.29
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD2	2	0.29
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD1	9	0.29
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD2	9	0.29
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD1	9	0.29
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD2	9	0.29
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD1	9	0.29
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD2	9	0.29
(1,293)	1:16:A:VAL:HA	1:155:A:LYS:HA	5	0.29
(1,285)	1:96:A:ALA:HB1	1:144:A:THR:HB	1	0.29
(1,285)	1:96:A:ALA:HB2	1:144:A:THR:HB	1	0.29
(1,285)	1:96:A:ALA:HB3	1:144:A:THR:HB	1	0.29
(1,285)	1:96:A:ALA:HB1	1:144:A:THR:HB	20	0.29
(1,285)	1:96:A:ALA:HB2	1:144:A:THR:HB	20	0.29
(1,285)	1:96:A:ALA:HB3	1:144:A:THR:HB	20	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,269)	1:34:A:LEU:HA	1:52:A:VAL:HA	4	0.29
(1,269)	1:34:A:LEU:HA	1:52:A:VAL:HA	12	0.29
(1,201)	1:41:A:SER:HA	1:47:A:ALA:HB1	3	0.29
(1,201)	1:41:A:SER:HA	1:47:A:ALA:HB2	3	0.29
(1,201)	1:41:A:SER:HA	1:47:A:ALA:HB3	3	0.29
(1,201)	1:41:A:SER:HA	1:47:A:ALA:HB1	9	0.29
(1,201)	1:41:A:SER:HA	1:47:A:ALA:HB2	9	0.29
(1,201)	1:41:A:SER:HA	1:47:A:ALA:HB3	9	0.29
(1,201)	1:41:A:SER:HA	1:47:A:ALA:HB1	16	0.29
(1,201)	1:41:A:SER:HA	1:47:A:ALA:HB2	16	0.29
(1,201)	1:41:A:SER:HA	1:47:A:ALA:HB3	16	0.29
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB1	1	0.29
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB2	1	0.29
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB3	1	0.29
(1,181)	1:74:A:LEU:HG	1:115:A:GLY:HA2	10	0.29
(1,162)	1:18:A:ASN:HA	1:18:A:ASN:HD21	5	0.29
(1,152)	1:14:A:GLY:H	1:154:A:PHE:HD1	9	0.29
(1,152)	1:14:A:GLY:H	1:154:A:PHE:HD2	9	0.29
(1,142)	1:148:A:ALA:H	1:149:A:ASN:HB3	18	0.29
(1,131)	1:14:A:GLY:HA2	1:154:A:PHE:H	16	0.29
(1,118)	1:19:A:ALA:H	1:21:A:CYS:HA	16	0.29
(1,94)	1:142:A:ALA:HB1	1:144:A:THR:HB	19	0.29
(1,94)	1:142:A:ALA:HB2	1:144:A:THR:HB	19	0.29
(1,94)	1:142:A:ALA:HB3	1:144:A:THR:HB	19	0.29
(1,81)	1:71:A:VAL:H	1:156:A:VAL:HG11	3	0.29
(1,81)	1:71:A:VAL:H	1:156:A:VAL:HG12	3	0.29
(1,81)	1:71:A:VAL:H	1:156:A:VAL:HG13	3	0.29
(1,14)	1:115:A:GLY:HA2	1:155:A:LYS:HD2	1	0.29
(1,14)	1:115:A:GLY:HA2	1:155:A:LYS:HD3	1	0.29
(1,6)	1:4:A:THR:H	1:39:A:THR:HG21	2	0.29
(1,6)	1:4:A:THR:H	1:39:A:THR:HG22	2	0.29
(1,6)	1:4:A:THR:H	1:39:A:THR:HG23	2	0.29
(1,6)	1:4:A:THR:H	1:39:A:THR:HG21	10	0.29
(1,6)	1:4:A:THR:H	1:39:A:THR:HG22	10	0.29
(1,6)	1:4:A:THR:H	1:39:A:THR:HG23	10	0.29
(1,3)	1:12:A:PHE:HZ	1:73:A:PHE:HZ	17	0.29
(1,3468)	1:118:A:PHE:HD1	1:157:A:GLN:HG2	3	0.28
(1,3468)	1:118:A:PHE:HD1	1:157:A:GLN:HG3	3	0.28
(1,3468)	1:118:A:PHE:HD2	1:157:A:GLN:HG2	3	0.28
(1,3468)	1:118:A:PHE:HD2	1:157:A:GLN:HG3	3	0.28
(1,3402)	1:100:A:GLY:HA3	1:102:A:GLN:HG2	18	0.28
(1,3402)	1:100:A:GLY:HA3	1:102:A:GLN:HG3	18	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3391)	1:99:A:VAL:HG11	1:137:A:TYR:HD1	14	0.28
(1,3391)	1:99:A:VAL:HG11	1:137:A:TYR:HD2	14	0.28
(1,3391)	1:99:A:VAL:HG12	1:137:A:TYR:HD1	14	0.28
(1,3391)	1:99:A:VAL:HG12	1:137:A:TYR:HD2	14	0.28
(1,3391)	1:99:A:VAL:HG13	1:137:A:TYR:HD1	14	0.28
(1,3391)	1:99:A:VAL:HG13	1:137:A:TYR:HD2	14	0.28
(1,3391)	1:99:A:VAL:HG21	1:137:A:TYR:HD1	14	0.28
(1,3391)	1:99:A:VAL:HG21	1:137:A:TYR:HD2	14	0.28
(1,3391)	1:99:A:VAL:HG22	1:137:A:TYR:HD1	14	0.28
(1,3391)	1:99:A:VAL:HG22	1:137:A:TYR:HD2	14	0.28
(1,3391)	1:99:A:VAL:HG23	1:137:A:TYR:HD1	14	0.28
(1,3391)	1:99:A:VAL:HG23	1:137:A:TYR:HD2	14	0.28
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG11	15	0.28
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG12	15	0.28
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG13	15	0.28
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG21	15	0.28
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG22	15	0.28
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG23	15	0.28
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB1	3	0.28
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB2	3	0.28
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB3	3	0.28
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB1	3	0.28
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB2	3	0.28
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB3	3	0.28
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB1	3	0.28
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB2	3	0.28
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB3	3	0.28
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB1	3	0.28
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB2	3	0.28
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB3	3	0.28
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB1	3	0.28
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB2	3	0.28
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB3	3	0.28
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB1	3	0.28
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB2	3	0.28
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB3	3	0.28
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB1	13	0.28
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB2	13	0.28
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB3	13	0.28
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB1	13	0.28
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB2	13	0.28
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB3	13	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB1	13	0.28
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB2	13	0.28
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB3	13	0.28
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB1	13	0.28
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB2	13	0.28
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB3	13	0.28
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB1	13	0.28
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB2	13	0.28
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB3	13	0.28
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB1	13	0.28
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB2	13	0.28
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB3	13	0.28
(1,3296)	1:79:A:ASP:HB2	1:80:A:ALA:H	17	0.28
(1,3296)	1:79:A:ASP:HB3	1:80:A:ALA:H	17	0.28
(1,3269)	1:71:A:VAL:HG11	1:155:A:LYS:H	2	0.28
(1,3269)	1:71:A:VAL:HG12	1:155:A:LYS:H	2	0.28
(1,3269)	1:71:A:VAL:HG13	1:155:A:LYS:H	2	0.28
(1,3269)	1:71:A:VAL:HG21	1:155:A:LYS:H	2	0.28
(1,3269)	1:71:A:VAL:HG22	1:155:A:LYS:H	2	0.28
(1,3269)	1:71:A:VAL:HG23	1:155:A:LYS:H	2	0.28
(1,3269)	1:71:A:VAL:HG11	1:155:A:LYS:H	7	0.28
(1,3269)	1:71:A:VAL:HG12	1:155:A:LYS:H	7	0.28
(1,3269)	1:71:A:VAL:HG13	1:155:A:LYS:H	7	0.28
(1,3269)	1:71:A:VAL:HG21	1:155:A:LYS:H	7	0.28
(1,3269)	1:71:A:VAL:HG22	1:155:A:LYS:H	7	0.28
(1,3269)	1:71:A:VAL:HG23	1:155:A:LYS:H	7	0.28
(1,3269)	1:71:A:VAL:HG11	1:155:A:LYS:H	10	0.28
(1,3269)	1:71:A:VAL:HG12	1:155:A:LYS:H	10	0.28
(1,3269)	1:71:A:VAL:HG13	1:155:A:LYS:H	10	0.28
(1,3269)	1:71:A:VAL:HG21	1:155:A:LYS:H	10	0.28
(1,3269)	1:71:A:VAL:HG22	1:155:A:LYS:H	10	0.28
(1,3269)	1:71:A:VAL:HG23	1:155:A:LYS:H	10	0.28
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB2	4	0.28
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB3	4	0.28
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB2	4	0.28
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB3	4	0.28
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB2	4	0.28
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB3	4	0.28
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB2	11	0.28
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB3	11	0.28
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB2	11	0.28
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB3	11	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB2	11	0.28
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB3	11	0.28
(1,3191)	1:62:A:ASP:HB2	1:65:A:VAL:HB	2	0.28
(1,3191)	1:62:A:ASP:HB3	1:65:A:VAL:HB	2	0.28
(1,3143)	1:55:A:ASN:H	1:55:A:ASN:HD21	18	0.28
(1,3143)	1:55:A:ASN:H	1:55:A:ASN:HD22	18	0.28
(1,3140)	1:54:A:PHE:HA	1:55:A:ASN:HD21	4	0.28
(1,3140)	1:54:A:PHE:HA	1:55:A:ASN:HD22	4	0.28
(1,3140)	1:54:A:PHE:HA	1:55:A:ASN:HD21	5	0.28
(1,3140)	1:54:A:PHE:HA	1:55:A:ASN:HD22	5	0.28
(1,3140)	1:54:A:PHE:HA	1:55:A:ASN:HD21	16	0.28
(1,3140)	1:54:A:PHE:HA	1:55:A:ASN:HD22	16	0.28
(1,3024)	1:34:A:LEU:HD11	1:150:A:ALA:H	2	0.28
(1,3024)	1:34:A:LEU:HD12	1:150:A:ALA:H	2	0.28
(1,3024)	1:34:A:LEU:HD13	1:150:A:ALA:H	2	0.28
(1,3024)	1:34:A:LEU:HD21	1:150:A:ALA:H	2	0.28
(1,3024)	1:34:A:LEU:HD22	1:150:A:ALA:H	2	0.28
(1,3024)	1:34:A:LEU:HD23	1:150:A:ALA:H	2	0.28
(1,3022)	1:34:A:LEU:HD11	1:137:A:TYR:HE1	16	0.28
(1,3022)	1:34:A:LEU:HD11	1:137:A:TYR:HE2	16	0.28
(1,3022)	1:34:A:LEU:HD12	1:137:A:TYR:HE1	16	0.28
(1,3022)	1:34:A:LEU:HD12	1:137:A:TYR:HE2	16	0.28
(1,3022)	1:34:A:LEU:HD13	1:137:A:TYR:HE1	16	0.28
(1,3022)	1:34:A:LEU:HD13	1:137:A:TYR:HE2	16	0.28
(1,3022)	1:34:A:LEU:HD21	1:137:A:TYR:HE1	16	0.28
(1,3022)	1:34:A:LEU:HD21	1:137:A:TYR:HE2	16	0.28
(1,3022)	1:34:A:LEU:HD22	1:137:A:TYR:HE1	16	0.28
(1,3022)	1:34:A:LEU:HD22	1:137:A:TYR:HE2	16	0.28
(1,3022)	1:34:A:LEU:HD23	1:137:A:TYR:HE1	16	0.28
(1,3022)	1:34:A:LEU:HD23	1:137:A:TYR:HE2	16	0.28
(1,2992)	1:30:A:GLN:HB2	1:31:A:THR:H	13	0.28
(1,2992)	1:30:A:GLN:HB3	1:31:A:THR:H	13	0.28
(1,2988)	1:28:A:VAL:HG11	1:154:A:PHE:HE1	18	0.28
(1,2988)	1:28:A:VAL:HG11	1:154:A:PHE:HE2	18	0.28
(1,2988)	1:28:A:VAL:HG12	1:154:A:PHE:HE1	18	0.28
(1,2988)	1:28:A:VAL:HG12	1:154:A:PHE:HE2	18	0.28
(1,2988)	1:28:A:VAL:HG13	1:154:A:PHE:HE1	18	0.28
(1,2988)	1:28:A:VAL:HG13	1:154:A:PHE:HE2	18	0.28
(1,2988)	1:28:A:VAL:HG21	1:154:A:PHE:HE1	18	0.28
(1,2988)	1:28:A:VAL:HG21	1:154:A:PHE:HE2	18	0.28
(1,2988)	1:28:A:VAL:HG22	1:154:A:PHE:HE1	18	0.28
(1,2988)	1:28:A:VAL:HG22	1:154:A:PHE:HE2	18	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2988)	1:28:A:VAL:HG23	1:154:A:PHE:HE1	18	0.28
(1,2988)	1:28:A:VAL:HG23	1:154:A:PHE:HE2	18	0.28
(1,2977)	1:27:A:SER:HB2	1:30:A:GLN:HG2	16	0.28
(1,2977)	1:27:A:SER:HB3	1:30:A:GLN:HG2	16	0.28
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG11	18	0.28
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG12	18	0.28
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG13	18	0.28
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG21	18	0.28
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG22	18	0.28
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG23	18	0.28
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG11	18	0.28
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG12	18	0.28
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG13	18	0.28
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG21	18	0.28
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG22	18	0.28
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG23	18	0.28
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG11	18	0.28
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG12	18	0.28
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG13	18	0.28
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG21	18	0.28
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG22	18	0.28
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG23	18	0.28
(1,2908)	1:16:A:VAL:HG11	1:154:A:PHE:HE1	11	0.28
(1,2908)	1:16:A:VAL:HG11	1:154:A:PHE:HE2	11	0.28
(1,2908)	1:16:A:VAL:HG12	1:154:A:PHE:HE1	11	0.28
(1,2908)	1:16:A:VAL:HG12	1:154:A:PHE:HE2	11	0.28
(1,2908)	1:16:A:VAL:HG13	1:154:A:PHE:HE1	11	0.28
(1,2908)	1:16:A:VAL:HG13	1:154:A:PHE:HE2	11	0.28
(1,2908)	1:16:A:VAL:HG21	1:154:A:PHE:HE1	11	0.28
(1,2908)	1:16:A:VAL:HG21	1:154:A:PHE:HE2	11	0.28
(1,2908)	1:16:A:VAL:HG22	1:154:A:PHE:HE1	11	0.28
(1,2908)	1:16:A:VAL:HG22	1:154:A:PHE:HE2	11	0.28
(1,2908)	1:16:A:VAL:HG23	1:154:A:PHE:HE1	11	0.28
(1,2908)	1:16:A:VAL:HG23	1:154:A:PHE:HE2	11	0.28
(1,2902)	1:16:A:VAL:HG11	1:18:A:ASN:H	1	0.28
(1,2902)	1:16:A:VAL:HG12	1:18:A:ASN:H	1	0.28
(1,2902)	1:16:A:VAL:HG13	1:18:A:ASN:H	1	0.28
(1,2902)	1:16:A:VAL:HG21	1:18:A:ASN:H	1	0.28
(1,2902)	1:16:A:VAL:HG22	1:18:A:ASN:H	1	0.28
(1,2902)	1:16:A:VAL:HG23	1:18:A:ASN:H	1	0.28
(1,2801)	1:4:A:THR:HG21	1:38:A:ARG:HG2	4	0.28
(1,2801)	1:4:A:THR:HG21	1:38:A:ARG:HG3	4	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2801)	1:4:A:THR:HG22	1:38:A:ARG:HG2	4	0.28
(1,2801)	1:4:A:THR:HG22	1:38:A:ARG:HG3	4	0.28
(1,2801)	1:4:A:THR:HG23	1:38:A:ARG:HG2	4	0.28
(1,2801)	1:4:A:THR:HG23	1:38:A:ARG:HG3	4	0.28
(1,2800)	1:4:A:THR:HG21	1:36:A:GLN:HE21	18	0.28
(1,2800)	1:4:A:THR:HG21	1:36:A:GLN:HE22	18	0.28
(1,2800)	1:4:A:THR:HG22	1:36:A:GLN:HE21	18	0.28
(1,2800)	1:4:A:THR:HG22	1:36:A:GLN:HE22	18	0.28
(1,2800)	1:4:A:THR:HG23	1:36:A:GLN:HE21	18	0.28
(1,2800)	1:4:A:THR:HG23	1:36:A:GLN:HE22	18	0.28
(1,2799)	1:4:A:THR:HG21	1:36:A:GLN:HG2	20	0.28
(1,2799)	1:4:A:THR:HG21	1:36:A:GLN:HG3	20	0.28
(1,2799)	1:4:A:THR:HG22	1:36:A:GLN:HG2	20	0.28
(1,2799)	1:4:A:THR:HG22	1:36:A:GLN:HG3	20	0.28
(1,2799)	1:4:A:THR:HG23	1:36:A:GLN:HG2	20	0.28
(1,2799)	1:4:A:THR:HG23	1:36:A:GLN:HG3	20	0.28
(1,2705)	1:86:A:LEU:HD21	1:101:A:VAL:H	1	0.28
(1,2705)	1:86:A:LEU:HD22	1:101:A:VAL:H	1	0.28
(1,2705)	1:86:A:LEU:HD23	1:101:A:VAL:H	1	0.28
(1,2612)	1:75:A:GLY:HA2	1:86:A:LEU:HD11	5	0.28
(1,2612)	1:75:A:GLY:HA2	1:86:A:LEU:HD12	5	0.28
(1,2612)	1:75:A:GLY:HA2	1:86:A:LEU:HD13	5	0.28
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD11	2	0.28
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD12	2	0.28
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD13	2	0.28
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD11	6	0.28
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD12	6	0.28
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD13	6	0.28
(1,2602)	1:74:A:LEU:HB2	1:153:A:THR:HB	16	0.28
(1,2578)	1:72:A:ALA:H	1:157:A:GLN:H	4	0.28
(1,2547)	1:69:A:ALA:HB1	1:158:A:TYR:HE1	19	0.28
(1,2547)	1:69:A:ALA:HB1	1:158:A:TYR:HE2	19	0.28
(1,2547)	1:69:A:ALA:HB2	1:158:A:TYR:HE1	19	0.28
(1,2547)	1:69:A:ALA:HB2	1:158:A:TYR:HE2	19	0.28
(1,2547)	1:69:A:ALA:HB3	1:158:A:TYR:HE1	19	0.28
(1,2547)	1:69:A:ALA:HB3	1:158:A:TYR:HE2	19	0.28
(1,2532)	1:66:A:ALA:HB1	1:68:A:LYS:H	12	0.28
(1,2532)	1:66:A:ALA:HB2	1:68:A:LYS:H	12	0.28
(1,2532)	1:66:A:ALA:HB3	1:68:A:LYS:H	12	0.28
(1,2526)	1:66:A:ALA:HA	1:68:A:LYS:H	13	0.28
(1,2526)	1:66:A:ALA:HA	1:68:A:LYS:H	18	0.28
(1,2403)	1:45:A:GLU:HB3	1:141:A:GLY:H	9	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2367)	1:42:A:LEU:HA	1:47:A:ALA:H	6	0.28
(1,2357)	1:3:A:THR:HB	1:4:A:THR:H	2	0.28
(1,2357)	1:3:A:THR:HB	1:4:A:THR:H	10	0.28
(1,2357)	1:3:A:THR:HB	1:4:A:THR:H	19	0.28
(1,2115)	1:129:A:ASN:HB2	1:130:A:THR:H	6	0.28
(1,2044)	1:10:A:VAL:HB	1:32:A:VAL:HB	18	0.28
(1,1913)	1:88:A:LEU:H	1:88:A:LEU:HG	6	0.28
(1,1867)	1:77:A:ALA:HB1	1:82:A:HIS:H	4	0.28
(1,1867)	1:77:A:ALA:HB2	1:82:A:HIS:H	4	0.28
(1,1867)	1:77:A:ALA:HB3	1:82:A:HIS:H	4	0.28
(1,1867)	1:77:A:ALA:HB1	1:82:A:HIS:H	5	0.28
(1,1867)	1:77:A:ALA:HB2	1:82:A:HIS:H	5	0.28
(1,1867)	1:77:A:ALA:HB3	1:82:A:HIS:H	5	0.28
(1,1867)	1:77:A:ALA:HB1	1:82:A:HIS:H	6	0.28
(1,1867)	1:77:A:ALA:HB2	1:82:A:HIS:H	6	0.28
(1,1867)	1:77:A:ALA:HB3	1:82:A:HIS:H	6	0.28
(1,1867)	1:77:A:ALA:HB1	1:82:A:HIS:H	13	0.28
(1,1867)	1:77:A:ALA:HB2	1:82:A:HIS:H	13	0.28
(1,1867)	1:77:A:ALA:HB3	1:82:A:HIS:H	13	0.28
(1,1867)	1:77:A:ALA:HB1	1:82:A:HIS:H	16	0.28
(1,1867)	1:77:A:ALA:HB2	1:82:A:HIS:H	16	0.28
(1,1867)	1:77:A:ALA:HB3	1:82:A:HIS:H	16	0.28
(1,1652)	1:23:A:VAL:H	1:58:A:LEU:HB3	2	0.28
(1,1652)	1:23:A:VAL:H	1:58:A:LEU:HB3	3	0.28
(1,1652)	1:23:A:VAL:H	1:58:A:LEU:HB3	4	0.28
(1,1652)	1:23:A:VAL:H	1:58:A:LEU:HB3	9	0.28
(1,1652)	1:23:A:VAL:H	1:58:A:LEU:HB3	12	0.28
(1,1652)	1:23:A:VAL:H	1:58:A:LEU:HB3	13	0.28
(1,1652)	1:23:A:VAL:H	1:58:A:LEU:HB3	14	0.28
(1,1652)	1:23:A:VAL:H	1:58:A:LEU:HB3	18	0.28
(1,1634)	1:16:A:VAL:H	1:155:A:LYS:HA	17	0.28
(1,1590)	1:13:A:LYS:H	1:14:A:GLY:H	8	0.28
(1,1468)	1:104:A:LEU:HD21	1:135:A:ALA:HA	11	0.28
(1,1468)	1:104:A:LEU:HD22	1:135:A:ALA:HA	11	0.28
(1,1468)	1:104:A:LEU:HD23	1:135:A:ALA:HA	11	0.28
(1,1468)	1:104:A:LEU:HD21	1:135:A:ALA:HA	15	0.28
(1,1468)	1:104:A:LEU:HD22	1:135:A:ALA:HA	15	0.28
(1,1468)	1:104:A:LEU:HD23	1:135:A:ALA:HA	15	0.28
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD1	7	0.28
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD2	7	0.28
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD1	7	0.28
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD2	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD1	7	0.28
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD2	7	0.28
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD1	8	0.28
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD2	8	0.28
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD1	8	0.28
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD2	8	0.28
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD1	8	0.28
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD2	8	0.28
(1,1355)	1:6:A:ASN:HB3	1:7:A:GLY:H	8	0.28
(1,1355)	1:6:A:ASN:HB3	1:7:A:GLY:H	19	0.28
(1,1349)	1:67:A:SER:HA	1:123:A:THR:HA	16	0.28
(1,1309)	1:43:A:ALA:H	1:47:A:ALA:H	1	0.28
(1,1309)	1:43:A:ALA:H	1:47:A:ALA:H	14	0.28
(1,1309)	1:43:A:ALA:H	1:47:A:ALA:H	20	0.28
(1,1296)	1:39:A:THR:HA	1:144:A:THR:HA	11	0.28
(1,1289)	1:32:A:VAL:HG21	1:55:A:ASN:H	11	0.28
(1,1289)	1:32:A:VAL:HG22	1:55:A:ASN:H	11	0.28
(1,1289)	1:32:A:VAL:HG23	1:55:A:ASN:H	11	0.28
(1,1286)	1:30:A:GLN:HB3	1:31:A:THR:H	17	0.28
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD11	8	0.28
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD12	8	0.28
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD13	8	0.28
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD21	8	0.28
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD22	8	0.28
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD23	8	0.28
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD11	8	0.28
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD12	8	0.28
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD13	8	0.28
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD21	8	0.28
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD22	8	0.28
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD23	8	0.28
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD11	8	0.28
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD12	8	0.28
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD13	8	0.28
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD21	8	0.28
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD22	8	0.28
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD23	8	0.28
(1,1068)	1:142:A:ALA:H	1:143:A:ALA:H	7	0.28
(1,1003)	1:72:A:ALA:H	1:73:A:PHE:HD1	5	0.28
(1,1003)	1:72:A:ALA:H	1:73:A:PHE:HD2	5	0.28
(1,1003)	1:72:A:ALA:H	1:73:A:PHE:HD1	16	0.28
(1,1003)	1:72:A:ALA:H	1:73:A:PHE:HD2	16	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,958)	1:17:A:VAL:H	1:155:A:LYS:HA	5	0.28
(1,958)	1:17:A:VAL:H	1:155:A:LYS:HA	11	0.28
(1,879)	1:69:A:ALA:H	1:121:A:GLU:HB3	1	0.28
(1,878)	1:67:A:SER:H	1:159:A:GLN:H	7	0.28
(1,876)	1:64:A:ASN:H	1:65:A:VAL:HB	5	0.28
(1,815)	1:127:A:GLY:H	1:128:A:THR:H	18	0.28
(1,775)	1:8:A:GLY:H	1:34:A:LEU:HA	4	0.28
(1,775)	1:8:A:GLY:H	1:34:A:LEU:HA	5	0.28
(1,762)	1:70:A:ALA:HB1	1:121:A:GLU:HG3	13	0.28
(1,762)	1:70:A:ALA:HB2	1:121:A:GLU:HG3	13	0.28
(1,762)	1:70:A:ALA:HB3	1:121:A:GLU:HG3	13	0.28
(1,669)	1:69:A:ALA:H	1:121:A:GLU:HA	10	0.28
(1,669)	1:69:A:ALA:H	1:121:A:GLU:HA	17	0.28
(1,648)	1:19:A:ALA:H	1:22:A:ALA:HA	10	0.28
(1,639)	1:140:A:THR:H	1:143:A:ALA:H	2	0.28
(1,639)	1:140:A:THR:H	1:143:A:ALA:H	8	0.28
(1,587)	1:42:A:LEU:HG	1:48:A:THR:HA	15	0.28
(1,587)	1:42:A:LEU:HG	1:48:A:THR:HA	18	0.28
(1,567)	1:136:A:ARG:HA	1:137:A:TYR:HE1	4	0.28
(1,567)	1:136:A:ARG:HA	1:137:A:TYR:HE2	4	0.28
(1,567)	1:136:A:ARG:HA	1:137:A:TYR:HE1	10	0.28
(1,567)	1:136:A:ARG:HA	1:137:A:TYR:HE2	10	0.28
(1,567)	1:136:A:ARG:HA	1:137:A:TYR:HE1	17	0.28
(1,567)	1:136:A:ARG:HA	1:137:A:TYR:HE2	17	0.28
(1,545)	1:70:A:ALA:HA	1:157:A:GLN:HB3	6	0.28
(1,536)	1:42:A:LEU:HD11	1:138:A:PHE:H	2	0.28
(1,536)	1:42:A:LEU:HD12	1:138:A:PHE:H	2	0.28
(1,536)	1:42:A:LEU:HD13	1:138:A:PHE:H	2	0.28
(1,517)	1:88:A:LEU:HD21	1:149:A:ASN:H	18	0.28
(1,517)	1:88:A:LEU:HD22	1:149:A:ASN:H	18	0.28
(1,517)	1:88:A:LEU:HD23	1:149:A:ASN:H	18	0.28
(1,472)	1:93:A:ALA:HB1	1:95:A:SER:H	7	0.28
(1,472)	1:93:A:ALA:HB2	1:95:A:SER:H	7	0.28
(1,472)	1:93:A:ALA:HB3	1:95:A:SER:H	7	0.28
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG21	11	0.28
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG22	11	0.28
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG23	11	0.28
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG21	11	0.28
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG22	11	0.28
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG23	11	0.28
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG21	11	0.28
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG22	11	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG23	11	0.28
(1,389)	1:20:A:ALA:HB1	1:66:A:ALA:H	6	0.28
(1,389)	1:20:A:ALA:HB2	1:66:A:ALA:H	6	0.28
(1,389)	1:20:A:ALA:HB3	1:66:A:ALA:H	6	0.28
(1,354)	1:99:A:VAL:HG21	1:137:A:TYR:HD1	20	0.28
(1,354)	1:99:A:VAL:HG21	1:137:A:TYR:HD2	20	0.28
(1,354)	1:99:A:VAL:HG22	1:137:A:TYR:HD1	20	0.28
(1,354)	1:99:A:VAL:HG22	1:137:A:TYR:HD2	20	0.28
(1,354)	1:99:A:VAL:HG23	1:137:A:TYR:HD1	20	0.28
(1,354)	1:99:A:VAL:HG23	1:137:A:TYR:HD2	20	0.28
(1,340)	1:63:A:THR:H	1:126:A:ASN:H	4	0.28
(1,340)	1:63:A:THR:H	1:126:A:ASN:H	11	0.28
(1,334)	1:16:A:VAL:HG11	1:23:A:VAL:HB	6	0.28
(1,334)	1:16:A:VAL:HG12	1:23:A:VAL:HB	6	0.28
(1,334)	1:16:A:VAL:HG13	1:23:A:VAL:HB	6	0.28
(1,334)	1:16:A:VAL:HG21	1:23:A:VAL:HB	6	0.28
(1,334)	1:16:A:VAL:HG22	1:23:A:VAL:HB	6	0.28
(1,334)	1:16:A:VAL:HG23	1:23:A:VAL:HB	6	0.28
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD1	8	0.28
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD2	8	0.28
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD1	8	0.28
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD2	8	0.28
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD1	8	0.28
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD2	8	0.28
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG21	15	0.28
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG22	15	0.28
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG23	15	0.28
(1,293)	1:16:A:VAL:HA	1:155:A:LYS:HA	15	0.28
(1,216)	1:27:A:SER:HB3	1:56:A:ILE:HG21	3	0.28
(1,216)	1:27:A:SER:HB3	1:56:A:ILE:HG22	3	0.28
(1,216)	1:27:A:SER:HB3	1:56:A:ILE:HG23	3	0.28
(1,200)	1:32:A:VAL:HA	1:34:A:LEU:H	20	0.28
(1,168)	1:103:A:ILE:H	1:110:A:ALA:HB1	13	0.28
(1,168)	1:103:A:ILE:H	1:110:A:ALA:HB2	13	0.28
(1,168)	1:103:A:ILE:H	1:110:A:ALA:HB3	13	0.28
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG21	17	0.28
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG22	17	0.28
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG23	17	0.28
(1,162)	1:18:A:ASN:HA	1:18:A:ASN:HD21	11	0.28
(1,142)	1:148:A:ALA:H	1:149:A:ASN:HB3	3	0.28
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG21	12	0.28
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG22	12	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG23	12	0.28
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG21	12	0.28
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG22	12	0.28
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG23	12	0.28
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG21	12	0.28
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG22	12	0.28
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG23	12	0.28
(1,118)	1:19:A:ALA:H	1:21:A:CYS:HA	7	0.28
(1,118)	1:19:A:ALA:H	1:21:A:CYS:HA	18	0.28
(1,94)	1:142:A:ALA:HB1	1:144:A:THR:HB	5	0.28
(1,94)	1:142:A:ALA:HB2	1:144:A:THR:HB	5	0.28
(1,94)	1:142:A:ALA:HB3	1:144:A:THR:HB	5	0.28
(1,94)	1:142:A:ALA:HB1	1:144:A:THR:HB	6	0.28
(1,94)	1:142:A:ALA:HB2	1:144:A:THR:HB	6	0.28
(1,94)	1:142:A:ALA:HB3	1:144:A:THR:HB	6	0.28
(1,94)	1:142:A:ALA:HB1	1:144:A:THR:HB	12	0.28
(1,94)	1:142:A:ALA:HB2	1:144:A:THR:HB	12	0.28
(1,94)	1:142:A:ALA:HB3	1:144:A:THR:HB	12	0.28
(1,76)	1:69:A:ALA:HA	1:159:A:GLN:H	14	0.28
(1,54)	1:74:A:LEU:HG	1:152:A:ALA:HA	10	0.28
(1,48)	1:150:A:ALA:HB1	1:152:A:ALA:HA	19	0.28
(1,48)	1:150:A:ALA:HB2	1:152:A:ALA:HA	19	0.28
(1,48)	1:150:A:ALA:HB3	1:152:A:ALA:HA	19	0.28
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG21	1	0.28
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG22	1	0.28
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG23	1	0.28
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG21	1	0.28
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG22	1	0.28
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG23	1	0.28
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG21	1	0.28
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG22	1	0.28
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG23	1	0.28
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG21	10	0.28
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG22	10	0.28
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG23	10	0.28
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG21	10	0.28
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG22	10	0.28
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG23	10	0.28
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG21	10	0.28
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG22	10	0.28
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG23	10	0.28
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG21	11	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG22	11	0.28
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG23	11	0.28
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG21	11	0.28
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG22	11	0.28
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG23	11	0.28
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG21	11	0.28
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG22	11	0.28
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG23	11	0.28
(1,34)	1:11:A:HIS:HE1	1:13:A:LYS:HG2	6	0.28
(1,34)	1:11:A:HIS:HE1	1:13:A:LYS:HG3	6	0.28
(1,3449)	1:106:A:ARG:HA	1:119:A:SER:HB2	3	0.27
(1,3449)	1:106:A:ARG:HA	1:119:A:SER:HB3	3	0.27
(1,3402)	1:100:A:GLY:HA3	1:102:A:GLN:HG2	17	0.27
(1,3402)	1:100:A:GLY:HA3	1:102:A:GLN:HG3	17	0.27
(1,3392)	1:99:A:VAL:HG11	1:137:A:TYR:HE1	8	0.27
(1,3392)	1:99:A:VAL:HG11	1:137:A:TYR:HE2	8	0.27
(1,3392)	1:99:A:VAL:HG12	1:137:A:TYR:HE1	8	0.27
(1,3392)	1:99:A:VAL:HG12	1:137:A:TYR:HE2	8	0.27
(1,3392)	1:99:A:VAL:HG13	1:137:A:TYR:HE1	8	0.27
(1,3392)	1:99:A:VAL:HG13	1:137:A:TYR:HE2	8	0.27
(1,3392)	1:99:A:VAL:HG21	1:137:A:TYR:HE1	8	0.27
(1,3392)	1:99:A:VAL:HG21	1:137:A:TYR:HE2	8	0.27
(1,3392)	1:99:A:VAL:HG22	1:137:A:TYR:HE1	8	0.27
(1,3392)	1:99:A:VAL:HG22	1:137:A:TYR:HE2	8	0.27
(1,3392)	1:99:A:VAL:HG23	1:137:A:TYR:HE1	8	0.27
(1,3392)	1:99:A:VAL:HG23	1:137:A:TYR:HE2	8	0.27
(1,3378)	1:94:A:GLY:HA2	1:147:A:ALA:HB1	13	0.27
(1,3378)	1:94:A:GLY:HA2	1:147:A:ALA:HB2	13	0.27
(1,3378)	1:94:A:GLY:HA2	1:147:A:ALA:HB3	13	0.27
(1,3378)	1:94:A:GLY:HA3	1:147:A:ALA:HB1	13	0.27
(1,3378)	1:94:A:GLY:HA3	1:147:A:ALA:HB2	13	0.27
(1,3378)	1:94:A:GLY:HA3	1:147:A:ALA:HB3	13	0.27
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB1	17	0.27
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB2	17	0.27
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB3	17	0.27
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB1	17	0.27
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB2	17	0.27
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB3	17	0.27
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB1	17	0.27
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB2	17	0.27
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB3	17	0.27
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB1	17	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB2	17	0.27
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB3	17	0.27
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB1	17	0.27
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB2	17	0.27
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB3	17	0.27
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB1	17	0.27
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB2	17	0.27
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB3	17	0.27
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG11	8	0.27
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG12	8	0.27
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG13	8	0.27
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG21	8	0.27
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG22	8	0.27
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG23	8	0.27
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG11	8	0.27
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG12	8	0.27
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG13	8	0.27
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG21	8	0.27
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG22	8	0.27
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG23	8	0.27
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG11	8	0.27
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG12	8	0.27
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG13	8	0.27
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG21	8	0.27
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG22	8	0.27
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG23	8	0.27
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG11	8	0.27
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG12	8	0.27
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG13	8	0.27
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG21	8	0.27
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG22	8	0.27
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG23	8	0.27
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG11	8	0.27
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG12	8	0.27
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG13	8	0.27
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG21	8	0.27
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG22	8	0.27
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG23	8	0.27
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG11	8	0.27
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG12	8	0.27
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG13	8	0.27
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG21	8	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG22	8	0.27
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG23	8	0.27
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB1	2	0.27
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB2	2	0.27
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB3	2	0.27
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB1	2	0.27
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB2	2	0.27
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB3	2	0.27
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB1	2	0.27
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB2	2	0.27
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB3	2	0.27
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB1	2	0.27
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB2	2	0.27
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB3	2	0.27
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB1	2	0.27
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB2	2	0.27
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB3	2	0.27
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB1	2	0.27
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB2	2	0.27
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB3	2	0.27
(1,3296)	1:79:A:ASP:HB2	1:80:A:ALA:H	13	0.27
(1,3296)	1:79:A:ASP:HB3	1:80:A:ALA:H	13	0.27
(1,3269)	1:71:A:VAL:HG11	1:155:A:LYS:H	14	0.27
(1,3269)	1:71:A:VAL:HG12	1:155:A:LYS:H	14	0.27
(1,3269)	1:71:A:VAL:HG13	1:155:A:LYS:H	14	0.27
(1,3269)	1:71:A:VAL:HG21	1:155:A:LYS:H	14	0.27
(1,3269)	1:71:A:VAL:HG22	1:155:A:LYS:H	14	0.27
(1,3269)	1:71:A:VAL:HG23	1:155:A:LYS:H	14	0.27
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB2	1	0.27
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB3	1	0.27
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB2	1	0.27
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB3	1	0.27
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB2	1	0.27
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB3	1	0.27
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB2	8	0.27
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB3	8	0.27
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB2	8	0.27
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB3	8	0.27
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB2	8	0.27
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB3	8	0.27
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB2	12	0.27
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB3	12	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB2	12	0.27
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB3	12	0.27
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB2	12	0.27
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB3	12	0.27
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB2	18	0.27
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB3	18	0.27
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB2	18	0.27
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB3	18	0.27
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB2	18	0.27
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB3	18	0.27
(1,3140)	1:54:A:PHE:HA	1:55:A:ASN:HD21	20	0.27
(1,3140)	1:54:A:PHE:HA	1:55:A:ASN:HD22	20	0.27
(1,3135)	1:52:A:VAL:HG11	1:134:A:GLN:HB3	6	0.27
(1,3135)	1:52:A:VAL:HG12	1:134:A:GLN:HB3	6	0.27
(1,3135)	1:52:A:VAL:HG13	1:134:A:GLN:HB3	6	0.27
(1,3135)	1:52:A:VAL:HG21	1:134:A:GLN:HB3	6	0.27
(1,3135)	1:52:A:VAL:HG22	1:134:A:GLN:HB3	6	0.27
(1,3135)	1:52:A:VAL:HG23	1:134:A:GLN:HB3	6	0.27
(1,3135)	1:52:A:VAL:HG11	1:134:A:GLN:HB3	15	0.27
(1,3135)	1:52:A:VAL:HG12	1:134:A:GLN:HB3	15	0.27
(1,3135)	1:52:A:VAL:HG13	1:134:A:GLN:HB3	15	0.27
(1,3135)	1:52:A:VAL:HG21	1:134:A:GLN:HB3	15	0.27
(1,3135)	1:52:A:VAL:HG22	1:134:A:GLN:HB3	15	0.27
(1,3135)	1:52:A:VAL:HG23	1:134:A:GLN:HB3	15	0.27
(1,3065)	1:42:A:LEU:HD11	1:48:A:THR:HB	12	0.27
(1,3065)	1:42:A:LEU:HD12	1:48:A:THR:HB	12	0.27
(1,3065)	1:42:A:LEU:HD13	1:48:A:THR:HB	12	0.27
(1,3065)	1:42:A:LEU:HD21	1:48:A:THR:HB	12	0.27
(1,3065)	1:42:A:LEU:HD22	1:48:A:THR:HB	12	0.27
(1,3065)	1:42:A:LEU:HD23	1:48:A:THR:HB	12	0.27
(1,2988)	1:28:A:VAL:HG11	1:154:A:PHE:HE1	15	0.27
(1,2988)	1:28:A:VAL:HG11	1:154:A:PHE:HE2	15	0.27
(1,2988)	1:28:A:VAL:HG12	1:154:A:PHE:HE1	15	0.27
(1,2988)	1:28:A:VAL:HG12	1:154:A:PHE:HE2	15	0.27
(1,2988)	1:28:A:VAL:HG13	1:154:A:PHE:HE1	15	0.27
(1,2988)	1:28:A:VAL:HG13	1:154:A:PHE:HE2	15	0.27
(1,2988)	1:28:A:VAL:HG21	1:154:A:PHE:HE1	15	0.27
(1,2988)	1:28:A:VAL:HG21	1:154:A:PHE:HE2	15	0.27
(1,2988)	1:28:A:VAL:HG22	1:154:A:PHE:HE1	15	0.27
(1,2988)	1:28:A:VAL:HG22	1:154:A:PHE:HE2	15	0.27
(1,2988)	1:28:A:VAL:HG23	1:154:A:PHE:HE1	15	0.27
(1,2988)	1:28:A:VAL:HG23	1:154:A:PHE:HE2	15	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG11	3	0.27
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG12	3	0.27
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG13	3	0.27
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG21	3	0.27
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG22	3	0.27
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG23	3	0.27
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG11	3	0.27
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG12	3	0.27
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG13	3	0.27
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG21	3	0.27
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG22	3	0.27
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG23	3	0.27
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG11	3	0.27
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG12	3	0.27
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG13	3	0.27
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG21	3	0.27
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG22	3	0.27
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG23	3	0.27
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG11	7	0.27
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG12	7	0.27
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG13	7	0.27
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG21	7	0.27
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG22	7	0.27
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG23	7	0.27
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG11	7	0.27
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG12	7	0.27
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG13	7	0.27
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG21	7	0.27
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG22	7	0.27
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG23	7	0.27
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD11	9	0.27
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD12	9	0.27
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD13	9	0.27
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD21	9	0.27
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD22	9	0.27
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD23	9	0.27
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD11	9	0.27
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD12	9	0.27
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD13	9	0.27
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD21	9	0.27
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD22	9	0.27
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD23	9	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD11	9	0.27
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD12	9	0.27
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD13	9	0.27
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD21	9	0.27
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD22	9	0.27
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD23	9	0.27
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD11	9	0.27
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD12	9	0.27
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD13	9	0.27
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD21	9	0.27
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD22	9	0.27
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD23	9	0.27
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD11	9	0.27
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD12	9	0.27
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD13	9	0.27
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD21	9	0.27
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD22	9	0.27
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD23	9	0.27
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD11	9	0.27
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD12	9	0.27
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD13	9	0.27
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD21	9	0.27
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD22	9	0.27
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD23	9	0.27
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD11	11	0.27
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD12	11	0.27
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD13	11	0.27
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD21	11	0.27
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD22	11	0.27
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD23	11	0.27
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD11	11	0.27
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD12	11	0.27
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD13	11	0.27
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD21	11	0.27
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD22	11	0.27
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD23	11	0.27
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD11	11	0.27
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD12	11	0.27
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD13	11	0.27
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD21	11	0.27
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD22	11	0.27
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD23	11	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD11	11	0.27
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD12	11	0.27
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD13	11	0.27
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD21	11	0.27
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD22	11	0.27
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD23	11	0.27
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD11	11	0.27
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD12	11	0.27
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD13	11	0.27
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD21	11	0.27
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD22	11	0.27
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD23	11	0.27
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD11	11	0.27
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD12	11	0.27
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD13	11	0.27
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD21	11	0.27
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD22	11	0.27
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD23	11	0.27
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD11	20	0.27
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD12	20	0.27
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD13	20	0.27
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD21	20	0.27
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD22	20	0.27
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD23	20	0.27
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD11	20	0.27
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD12	20	0.27
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD13	20	0.27
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD21	20	0.27
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD22	20	0.27
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD23	20	0.27
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD11	20	0.27
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD12	20	0.27
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD13	20	0.27
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD21	20	0.27
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD22	20	0.27
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD23	20	0.27
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD11	20	0.27
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD12	20	0.27
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD13	20	0.27
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD21	20	0.27
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD22	20	0.27
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD23	20	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD11	20	0.27
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD12	20	0.27
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD13	20	0.27
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD21	20	0.27
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD22	20	0.27
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD23	20	0.27
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD11	20	0.27
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD12	20	0.27
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD13	20	0.27
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD21	20	0.27
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD22	20	0.27
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD23	20	0.27
(1,2778)	1:99:A:VAL:HG11	1:137:A:TYR:HE1	7	0.27
(1,2778)	1:99:A:VAL:HG11	1:137:A:TYR:HE2	7	0.27
(1,2778)	1:99:A:VAL:HG12	1:137:A:TYR:HE1	7	0.27
(1,2778)	1:99:A:VAL:HG12	1:137:A:TYR:HE2	7	0.27
(1,2778)	1:99:A:VAL:HG13	1:137:A:TYR:HE1	7	0.27
(1,2778)	1:99:A:VAL:HG13	1:137:A:TYR:HE2	7	0.27
(1,2742)	1:96:A:ALA:HA	1:144:A:THR:H	12	0.27
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB1	18	0.27
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB2	18	0.27
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB3	18	0.27
(1,2726)	1:89:A:GLN:HG2	1:90:A:SER:H	7	0.27
(1,2726)	1:89:A:GLN:HG3	1:90:A:SER:H	7	0.27
(1,2716)	1:88:A:LEU:HD21	1:148:A:ALA:HA	2	0.27
(1,2716)	1:88:A:LEU:HD22	1:148:A:ALA:HA	2	0.27
(1,2716)	1:88:A:LEU:HD23	1:148:A:ALA:HA	2	0.27
(1,2716)	1:88:A:LEU:HD21	1:148:A:ALA:HA	13	0.27
(1,2716)	1:88:A:LEU:HD22	1:148:A:ALA:HA	13	0.27
(1,2716)	1:88:A:LEU:HD23	1:148:A:ALA:HA	13	0.27
(1,2705)	1:86:A:LEU:HD21	1:101:A:VAL:H	13	0.27
(1,2705)	1:86:A:LEU:HD22	1:101:A:VAL:H	13	0.27
(1,2705)	1:86:A:LEU:HD23	1:101:A:VAL:H	13	0.27
(1,2612)	1:75:A:GLY:HA2	1:86:A:LEU:HD11	7	0.27
(1,2612)	1:75:A:GLY:HA2	1:86:A:LEU:HD12	7	0.27
(1,2612)	1:75:A:GLY:HA2	1:86:A:LEU:HD13	7	0.27
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD11	3	0.27
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD12	3	0.27
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD13	3	0.27
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD11	19	0.27
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD12	19	0.27
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD13	19	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2609)	1:75:A:GLY:H	1:115:A:GLY:H	3	0.27
(1,2609)	1:75:A:GLY:H	1:115:A:GLY:H	13	0.27
(1,2602)	1:74:A:LEU:HB2	1:153:A:THR:HB	7	0.27
(1,2601)	1:74:A:LEU:HB2	1:153:A:THR:H	17	0.27
(1,2549)	1:6:A:ASN:H	1:146:A:GLY:H	2	0.27
(1,2549)	1:6:A:ASN:H	1:146:A:GLY:H	6	0.27
(1,2549)	1:6:A:ASN:H	1:146:A:GLY:H	8	0.27
(1,2549)	1:6:A:ASN:H	1:146:A:GLY:H	12	0.27
(1,2547)	1:69:A:ALA:HB1	1:158:A:TYR:HE1	2	0.27
(1,2547)	1:69:A:ALA:HB1	1:158:A:TYR:HE2	2	0.27
(1,2547)	1:69:A:ALA:HB2	1:158:A:TYR:HE1	2	0.27
(1,2547)	1:69:A:ALA:HB2	1:158:A:TYR:HE2	2	0.27
(1,2547)	1:69:A:ALA:HB3	1:158:A:TYR:HE1	2	0.27
(1,2547)	1:69:A:ALA:HB3	1:158:A:TYR:HE2	2	0.27
(1,2547)	1:69:A:ALA:HB1	1:158:A:TYR:HE1	20	0.27
(1,2547)	1:69:A:ALA:HB1	1:158:A:TYR:HE2	20	0.27
(1,2547)	1:69:A:ALA:HB2	1:158:A:TYR:HE1	20	0.27
(1,2547)	1:69:A:ALA:HB2	1:158:A:TYR:HE2	20	0.27
(1,2547)	1:69:A:ALA:HB3	1:158:A:TYR:HE1	20	0.27
(1,2547)	1:69:A:ALA:HB3	1:158:A:TYR:HE2	20	0.27
(1,2532)	1:66:A:ALA:HB1	1:68:A:LYS:H	5	0.27
(1,2532)	1:66:A:ALA:HB2	1:68:A:LYS:H	5	0.27
(1,2532)	1:66:A:ALA:HB3	1:68:A:LYS:H	5	0.27
(1,2532)	1:66:A:ALA:HB1	1:68:A:LYS:H	11	0.27
(1,2532)	1:66:A:ALA:HB2	1:68:A:LYS:H	11	0.27
(1,2532)	1:66:A:ALA:HB3	1:68:A:LYS:H	11	0.27
(1,2526)	1:66:A:ALA:HA	1:68:A:LYS:H	1	0.27
(1,2526)	1:66:A:ALA:HA	1:68:A:LYS:H	9	0.27
(1,2526)	1:66:A:ALA:HA	1:68:A:LYS:H	11	0.27
(1,2422)	1:49:A:SER:H	1:136:A:ARG:HG2	12	0.27
(1,2422)	1:49:A:SER:H	1:136:A:ARG:HG3	12	0.27
(1,2367)	1:42:A:LEU:HA	1:47:A:ALA:H	5	0.27
(1,2367)	1:42:A:LEU:HA	1:47:A:ALA:H	12	0.27
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG21	3	0.27
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG22	3	0.27
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG23	3	0.27
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG21	4	0.27
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG22	4	0.27
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG23	4	0.27
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG21	20	0.27
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG22	20	0.27
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG23	20	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2322)	1:33:A:GLN:HG2	1:35:A:GLY:H	16	0.27
(1,2322)	1:33:A:GLN:HG3	1:35:A:GLY:H	16	0.27
(1,2313)	1:32:A:VAL:HG11	1:54:A:PHE:HD1	14	0.27
(1,2313)	1:32:A:VAL:HG11	1:54:A:PHE:HD2	14	0.27
(1,2313)	1:32:A:VAL:HG12	1:54:A:PHE:HD1	14	0.27
(1,2313)	1:32:A:VAL:HG12	1:54:A:PHE:HD2	14	0.27
(1,2313)	1:32:A:VAL:HG13	1:54:A:PHE:HD1	14	0.27
(1,2313)	1:32:A:VAL:HG13	1:54:A:PHE:HD2	14	0.27
(1,2313)	1:32:A:VAL:HG11	1:54:A:PHE:HD1	15	0.27
(1,2313)	1:32:A:VAL:HG11	1:54:A:PHE:HD2	15	0.27
(1,2313)	1:32:A:VAL:HG12	1:54:A:PHE:HD1	15	0.27
(1,2313)	1:32:A:VAL:HG12	1:54:A:PHE:HD2	15	0.27
(1,2313)	1:32:A:VAL:HG13	1:54:A:PHE:HD1	15	0.27
(1,2313)	1:32:A:VAL:HG13	1:54:A:PHE:HD2	15	0.27
(1,2310)	1:32:A:VAL:HG11	1:135:A:ALA:H	19	0.27
(1,2310)	1:32:A:VAL:HG12	1:135:A:ALA:H	19	0.27
(1,2310)	1:32:A:VAL:HG13	1:135:A:ALA:H	19	0.27
(1,2242)	1:20:A:ALA:HB1	1:158:A:TYR:HA	2	0.27
(1,2242)	1:20:A:ALA:HB2	1:158:A:TYR:HA	2	0.27
(1,2242)	1:20:A:ALA:HB3	1:158:A:TYR:HA	2	0.27
(1,2204)	1:155:A:LYS:HB2	1:156:A:VAL:H	14	0.27
(1,2191)	1:149:A:ASN:HD21	1:150:A:ALA:H	17	0.27
(1,2000)	1:103:A:ILE:HG21	1:111:A:LEU:HD21	8	0.27
(1,2000)	1:103:A:ILE:HG21	1:111:A:LEU:HD22	8	0.27
(1,2000)	1:103:A:ILE:HG21	1:111:A:LEU:HD23	8	0.27
(1,2000)	1:103:A:ILE:HG22	1:111:A:LEU:HD21	8	0.27
(1,2000)	1:103:A:ILE:HG22	1:111:A:LEU:HD22	8	0.27
(1,2000)	1:103:A:ILE:HG22	1:111:A:LEU:HD23	8	0.27
(1,2000)	1:103:A:ILE:HG23	1:111:A:LEU:HD21	8	0.27
(1,2000)	1:103:A:ILE:HG23	1:111:A:LEU:HD22	8	0.27
(1,2000)	1:103:A:ILE:HG23	1:111:A:LEU:HD23	8	0.27
(1,1962)	1:98:A:ASN:HD21	1:142:A:ALA:H	10	0.27
(1,1961)	1:98:A:ASN:HD21	1:141:A:GLY:HA3	19	0.27
(1,1945)	1:97:A:THR:H	1:143:A:ALA:HA	9	0.27
(1,1913)	1:88:A:LEU:H	1:88:A:LEU:HG	17	0.27
(1,1913)	1:88:A:LEU:H	1:88:A:LEU:HG	19	0.27
(1,1913)	1:88:A:LEU:H	1:88:A:LEU:HG	20	0.27
(1,1872)	1:78:A:ILE:H	1:86:A:LEU:HA	8	0.27
(1,1734)	1:48:A:THR:HG21	1:138:A:PHE:H	11	0.27
(1,1734)	1:48:A:THR:HG22	1:138:A:PHE:H	11	0.27
(1,1734)	1:48:A:THR:HG23	1:138:A:PHE:H	11	0.27
(1,1732)	1:48:A:THR:HB	1:136:A:ARG:HE	16	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1708)	1:42:A:LEU:H	1:47:A:ALA:HB1	5	0.27
(1,1708)	1:42:A:LEU:H	1:47:A:ALA:HB2	5	0.27
(1,1708)	1:42:A:LEU:H	1:47:A:ALA:HB3	5	0.27
(1,1700)	1:3:A:THR:HB	1:145:A:PRO:HG3	11	0.27
(1,1652)	1:23:A:VAL:H	1:58:A:LEU:HB3	1	0.27
(1,1652)	1:23:A:VAL:H	1:58:A:LEU:HB3	7	0.27
(1,1652)	1:23:A:VAL:H	1:58:A:LEU:HB3	10	0.27
(1,1652)	1:23:A:VAL:H	1:58:A:LEU:HB3	11	0.27
(1,1652)	1:23:A:VAL:H	1:58:A:LEU:HB3	17	0.27
(1,1634)	1:16:A:VAL:H	1:155:A:LYS:HA	4	0.27
(1,1590)	1:13:A:LYS:H	1:14:A:GLY:H	16	0.27
(1,1580)	1:138:A:PHE:H	1:139:A:ALA:H	18	0.27
(1,1578)	1:137:A:TYR:HB3	1:138:A:PHE:HB2	11	0.27
(1,1468)	1:104:A:LEU:HD21	1:135:A:ALA:HA	6	0.27
(1,1468)	1:104:A:LEU:HD22	1:135:A:ALA:HA	6	0.27
(1,1468)	1:104:A:LEU:HD23	1:135:A:ALA:HA	6	0.27
(1,1440)	1:102:A:GLN:HB3	1:103:A:ILE:H	20	0.27
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE1	7	0.27
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE2	7	0.27
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE1	7	0.27
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE2	7	0.27
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE1	7	0.27
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE2	7	0.27
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD1	6	0.27
(1,1434)	1:101:A:VAL:HG21	1:137:A:TYR:HD2	6	0.27
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD1	6	0.27
(1,1434)	1:101:A:VAL:HG22	1:137:A:TYR:HD2	6	0.27
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD1	6	0.27
(1,1434)	1:101:A:VAL:HG23	1:137:A:TYR:HD2	6	0.27
(1,1425)	1:98:A:ASN:HD21	1:142:A:ALA:HA	19	0.27
(1,1395)	1:79:A:ASP:HA	1:81:A:GLY:H	10	0.27
(1,1382)	1:76:A:THR:H	1:86:A:LEU:HA	3	0.27
(1,1355)	1:6:A:ASN:HB3	1:7:A:GLY:H	4	0.27
(1,1355)	1:6:A:ASN:HB3	1:7:A:GLY:H	7	0.27
(1,1355)	1:6:A:ASN:HB3	1:7:A:GLY:H	9	0.27
(1,1354)	1:69:A:ALA:HB1	1:158:A:TYR:HA	2	0.27
(1,1354)	1:69:A:ALA:HB2	1:158:A:TYR:HA	2	0.27
(1,1354)	1:69:A:ALA:HB3	1:158:A:TYR:HA	2	0.27
(1,1349)	1:67:A:SER:HA	1:123:A:THR:HA	1	0.27
(1,1322)	1:4:A:THR:HG21	1:36:A:GLN:HG3	1	0.27
(1,1322)	1:4:A:THR:HG22	1:36:A:GLN:HG3	1	0.27
(1,1322)	1:4:A:THR:HG23	1:36:A:GLN:HG3	1	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1302)	1:3:A:THR:HG21	1:145:A:PRO:HG3	16	0.27
(1,1302)	1:3:A:THR:HG22	1:145:A:PRO:HG3	16	0.27
(1,1302)	1:3:A:THR:HG23	1:145:A:PRO:HG3	16	0.27
(1,1280)	1:27:A:SER:H	1:28:A:VAL:HB	8	0.27
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD11	7	0.27
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD12	7	0.27
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD13	7	0.27
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD21	7	0.27
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD22	7	0.27
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD23	7	0.27
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD11	7	0.27
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD12	7	0.27
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD13	7	0.27
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD21	7	0.27
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD22	7	0.27
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD23	7	0.27
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD11	7	0.27
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD12	7	0.27
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD13	7	0.27
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD21	7	0.27
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD22	7	0.27
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD23	7	0.27
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG21	2	0.27
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG22	2	0.27
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG23	2	0.27
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG21	9	0.27
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG22	9	0.27
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG23	9	0.27
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG21	13	0.27
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG22	13	0.27
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG23	13	0.27
(1,1098)	1:48:A:THR:HB	1:49:A:SER:H	12	0.27
(1,1085)	1:34:A:LEU:HA	1:52:A:VAL:HB	4	0.27
(1,1068)	1:142:A:ALA:H	1:143:A:ALA:H	11	0.27
(1,1068)	1:142:A:ALA:H	1:143:A:ALA:H	19	0.27
(1,1068)	1:142:A:ALA:H	1:143:A:ALA:H	20	0.27
(1,1003)	1:72:A:ALA:H	1:73:A:PHE:HD1	4	0.27
(1,1003)	1:72:A:ALA:H	1:73:A:PHE:HD2	4	0.27
(1,1003)	1:72:A:ALA:H	1:73:A:PHE:HD1	20	0.27
(1,1003)	1:72:A:ALA:H	1:73:A:PHE:HD2	20	0.27
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB1	3	0.27
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB2	3	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB3	3	0.27
(1,980)	1:50:A:SER:H	1:137:A:TYR:HD1	12	0.27
(1,980)	1:50:A:SER:H	1:137:A:TYR:HD2	12	0.27
(1,935)	1:124:A:LEU:HA	1:129:A:ASN:HD21	19	0.27
(1,909)	1:95:A:SER:HA	1:149:A:ASN:H	10	0.27
(1,879)	1:69:A:ALA:H	1:121:A:GLU:HB3	17	0.27
(1,830)	1:14:A:GLY:HA2	1:15:A:GLU:HA	4	0.27
(1,830)	1:14:A:GLY:HA2	1:15:A:GLU:HA	19	0.27
(1,815)	1:127:A:GLY:H	1:128:A:THR:H	5	0.27
(1,815)	1:127:A:GLY:H	1:128:A:THR:H	13	0.27
(1,815)	1:127:A:GLY:H	1:128:A:THR:H	19	0.27
(1,796)	1:106:A:ARG:HE	1:120:A:SER:HB3	4	0.27
(1,762)	1:70:A:ALA:HB1	1:121:A:GLU:HG3	20	0.27
(1,762)	1:70:A:ALA:HB2	1:121:A:GLU:HG3	20	0.27
(1,762)	1:70:A:ALA:HB3	1:121:A:GLU:HG3	20	0.27
(1,750)	1:55:A:ASN:HA	1:131:A:ILE:H	6	0.27
(1,750)	1:55:A:ASN:HA	1:131:A:ILE:H	12	0.27
(1,737)	1:32:A:VAL:HG11	1:34:A:LEU:HA	17	0.27
(1,737)	1:32:A:VAL:HG12	1:34:A:LEU:HA	17	0.27
(1,737)	1:32:A:VAL:HG13	1:34:A:LEU:HA	17	0.27
(1,725)	1:19:A:ALA:HB1	1:21:A:CYS:H	7	0.27
(1,725)	1:19:A:ALA:HB2	1:21:A:CYS:H	7	0.27
(1,725)	1:19:A:ALA:HB3	1:21:A:CYS:H	7	0.27
(1,725)	1:19:A:ALA:HB1	1:21:A:CYS:H	13	0.27
(1,725)	1:19:A:ALA:HB2	1:21:A:CYS:H	13	0.27
(1,725)	1:19:A:ALA:HB3	1:21:A:CYS:H	13	0.27
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG11	10	0.27
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG12	10	0.27
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG13	10	0.27
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB1	6	0.27
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB2	6	0.27
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB3	6	0.27
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB1	15	0.27
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB2	15	0.27
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB3	15	0.27
(1,669)	1:69:A:ALA:H	1:121:A:GLU:HA	12	0.27
(1,639)	1:140:A:THR:H	1:143:A:ALA:H	6	0.27
(1,639)	1:140:A:THR:H	1:143:A:ALA:H	13	0.27
(1,639)	1:140:A:THR:H	1:143:A:ALA:H	14	0.27
(1,639)	1:140:A:THR:H	1:143:A:ALA:H	16	0.27
(1,620)	1:103:A:ILE:HG21	1:152:A:ALA:HB1	18	0.27
(1,620)	1:103:A:ILE:HG21	1:152:A:ALA:HB2	18	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,620)	1:103:A:ILE:HG21	1:152:A:ALA:HB3	18	0.27
(1,620)	1:103:A:ILE:HG22	1:152:A:ALA:HB1	18	0.27
(1,620)	1:103:A:ILE:HG22	1:152:A:ALA:HB2	18	0.27
(1,620)	1:103:A:ILE:HG22	1:152:A:ALA:HB3	18	0.27
(1,620)	1:103:A:ILE:HG23	1:152:A:ALA:HB1	18	0.27
(1,620)	1:103:A:ILE:HG23	1:152:A:ALA:HB2	18	0.27
(1,620)	1:103:A:ILE:HG23	1:152:A:ALA:HB3	18	0.27
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB1	8	0.27
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB2	8	0.27
(1,576)	1:19:A:ALA:H	1:22:A:ALA:HB3	8	0.27
(1,567)	1:136:A:ARG:HA	1:137:A:TYR:HE1	8	0.27
(1,567)	1:136:A:ARG:HA	1:137:A:TYR:HE2	8	0.27
(1,567)	1:136:A:ARG:HA	1:137:A:TYR:HE1	11	0.27
(1,567)	1:136:A:ARG:HA	1:137:A:TYR:HE2	11	0.27
(1,567)	1:136:A:ARG:HA	1:137:A:TYR:HE1	14	0.27
(1,567)	1:136:A:ARG:HA	1:137:A:TYR:HE2	14	0.27
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB1	17	0.27
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB2	17	0.27
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB3	17	0.27
(1,512)	1:82:A:HIS:HB2	1:85:A:VAL:H	16	0.27
(1,472)	1:93:A:ALA:HB1	1:95:A:SER:H	5	0.27
(1,472)	1:93:A:ALA:HB2	1:95:A:SER:H	5	0.27
(1,472)	1:93:A:ALA:HB3	1:95:A:SER:H	5	0.27
(1,472)	1:93:A:ALA:HB1	1:95:A:SER:H	12	0.27
(1,472)	1:93:A:ALA:HB2	1:95:A:SER:H	12	0.27
(1,472)	1:93:A:ALA:HB3	1:95:A:SER:H	12	0.27
(1,469)	1:85:A:VAL:H	1:113:A:LEU:HD11	20	0.27
(1,469)	1:85:A:VAL:H	1:113:A:LEU:HD12	20	0.27
(1,469)	1:85:A:VAL:H	1:113:A:LEU:HD13	20	0.27
(1,469)	1:85:A:VAL:H	1:113:A:LEU:HD21	20	0.27
(1,469)	1:85:A:VAL:H	1:113:A:LEU:HD22	20	0.27
(1,469)	1:85:A:VAL:H	1:113:A:LEU:HD23	20	0.27
(1,434)	1:111:A:LEU:HB3	1:119:A:SER:H	3	0.27
(1,425)	1:74:A:LEU:HD21	1:153:A:THR:HB	18	0.27
(1,425)	1:74:A:LEU:HD22	1:153:A:THR:HB	18	0.27
(1,425)	1:74:A:LEU:HD23	1:153:A:THR:HB	18	0.27
(1,389)	1:20:A:ALA:HB1	1:66:A:ALA:H	8	0.27
(1,389)	1:20:A:ALA:HB2	1:66:A:ALA:H	8	0.27
(1,389)	1:20:A:ALA:HB3	1:66:A:ALA:H	8	0.27
(1,377)	1:92:A:ALA:HA	1:94:A:GLY:H	2	0.27
(1,377)	1:92:A:ALA:HA	1:94:A:GLY:H	4	0.27
(1,373)	1:78:A:ILE:HD11	1:100:A:GLY:HA2	9	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,373)	1:78:A:ILE:HD12	1:100:A:GLY:HA2	9	0.27
(1,373)	1:78:A:ILE:HD13	1:100:A:GLY:HA2	9	0.27
(1,350)	1:90:A:SER:HA	1:93:A:ALA:H	18	0.27
(1,340)	1:63:A:THR:H	1:126:A:ASN:H	3	0.27
(1,331)	1:14:A:GLY:HA2	1:15:A:GLU:H	16	0.27
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB1	13	0.27
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB2	13	0.27
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB3	13	0.27
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD1	3	0.27
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD2	3	0.27
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD1	3	0.27
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD2	3	0.27
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD1	3	0.27
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD2	3	0.27
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD1	17	0.27
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD2	17	0.27
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD1	17	0.27
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD2	17	0.27
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD1	17	0.27
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD2	17	0.27
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG21	17	0.27
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG22	17	0.27
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG23	17	0.27
(1,295)	1:39:A:THR:HA	1:42:A:LEU:HG	17	0.27
(1,285)	1:96:A:ALA:HB1	1:144:A:THR:HB	2	0.27
(1,285)	1:96:A:ALA:HB2	1:144:A:THR:HB	2	0.27
(1,285)	1:96:A:ALA:HB3	1:144:A:THR:HB	2	0.27
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD21	15	0.27
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD22	15	0.27
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD23	15	0.27
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD21	20	0.27
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD22	20	0.27
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD23	20	0.27
(1,228)	1:18:A:ASN:HA	1:158:A:TYR:HE1	3	0.27
(1,228)	1:18:A:ASN:HA	1:158:A:TYR:HE2	3	0.27
(1,228)	1:18:A:ASN:HA	1:158:A:TYR:HE1	13	0.27
(1,228)	1:18:A:ASN:HA	1:158:A:TYR:HE2	13	0.27
(1,201)	1:41:A:SER:HA	1:47:A:ALA:HB1	6	0.27
(1,201)	1:41:A:SER:HA	1:47:A:ALA:HB2	6	0.27
(1,201)	1:41:A:SER:HA	1:47:A:ALA:HB3	6	0.27
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB1	8	0.27
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB2	8	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB3	8	0.27
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB1	17	0.27
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB2	17	0.27
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB3	17	0.27
(1,180)	1:72:A:ALA:HA	1:111:A:LEU:HB2	1	0.27
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG21	4	0.27
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG22	4	0.27
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG23	4	0.27
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG21	12	0.27
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG22	12	0.27
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG23	12	0.27
(1,142)	1:148:A:ALA:H	1:149:A:ASN:HB3	10	0.27
(1,94)	1:142:A:ALA:HB1	1:144:A:THR:HB	7	0.27
(1,94)	1:142:A:ALA:HB2	1:144:A:THR:HB	7	0.27
(1,94)	1:142:A:ALA:HB3	1:144:A:THR:HB	7	0.27
(1,76)	1:69:A:ALA:HA	1:159:A:GLN:H	12	0.27
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG21	5	0.27
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG22	5	0.27
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG23	5	0.27
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG21	5	0.27
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG22	5	0.27
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG23	5	0.27
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG21	5	0.27
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG22	5	0.27
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG23	5	0.27
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG21	6	0.27
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG22	6	0.27
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG23	6	0.27
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG21	6	0.27
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG22	6	0.27
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG23	6	0.27
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG21	6	0.27
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG22	6	0.27
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG23	6	0.27
(1,3449)	1:106:A:ARG:HA	1:119:A:SER:HB2	1	0.26
(1,3449)	1:106:A:ARG:HA	1:119:A:SER:HB3	1	0.26
(1,3392)	1:99:A:VAL:HG11	1:137:A:TYR:HE1	20	0.26
(1,3392)	1:99:A:VAL:HG11	1:137:A:TYR:HE2	20	0.26
(1,3392)	1:99:A:VAL:HG12	1:137:A:TYR:HE1	20	0.26
(1,3392)	1:99:A:VAL:HG12	1:137:A:TYR:HE2	20	0.26
(1,3392)	1:99:A:VAL:HG13	1:137:A:TYR:HE1	20	0.26
(1,3392)	1:99:A:VAL:HG13	1:137:A:TYR:HE2	20	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3392)	1:99:A:VAL:HG21	1:137:A:TYR:HE1	20	0.26
(1,3392)	1:99:A:VAL:HG21	1:137:A:TYR:HE2	20	0.26
(1,3392)	1:99:A:VAL:HG22	1:137:A:TYR:HE1	20	0.26
(1,3392)	1:99:A:VAL:HG22	1:137:A:TYR:HE2	20	0.26
(1,3392)	1:99:A:VAL:HG23	1:137:A:TYR:HE1	20	0.26
(1,3392)	1:99:A:VAL:HG23	1:137:A:TYR:HE2	20	0.26
(1,3389)	1:99:A:VAL:HG11	1:137:A:TYR:HA	10	0.26
(1,3389)	1:99:A:VAL:HG12	1:137:A:TYR:HA	10	0.26
(1,3389)	1:99:A:VAL:HG13	1:137:A:TYR:HA	10	0.26
(1,3389)	1:99:A:VAL:HG21	1:137:A:TYR:HA	10	0.26
(1,3389)	1:99:A:VAL:HG22	1:137:A:TYR:HA	10	0.26
(1,3389)	1:99:A:VAL:HG23	1:137:A:TYR:HA	10	0.26
(1,3389)	1:99:A:VAL:HG11	1:137:A:TYR:HA	17	0.26
(1,3389)	1:99:A:VAL:HG12	1:137:A:TYR:HA	17	0.26
(1,3389)	1:99:A:VAL:HG13	1:137:A:TYR:HA	17	0.26
(1,3389)	1:99:A:VAL:HG21	1:137:A:TYR:HA	17	0.26
(1,3389)	1:99:A:VAL:HG22	1:137:A:TYR:HA	17	0.26
(1,3389)	1:99:A:VAL:HG23	1:137:A:TYR:HA	17	0.26
(1,3296)	1:79:A:ASP:HB2	1:80:A:ALA:H	4	0.26
(1,3296)	1:79:A:ASP:HB3	1:80:A:ALA:H	4	0.26
(1,3296)	1:79:A:ASP:HB2	1:80:A:ALA:H	9	0.26
(1,3296)	1:79:A:ASP:HB3	1:80:A:ALA:H	9	0.26
(1,3269)	1:71:A:VAL:HG11	1:155:A:LYS:H	9	0.26
(1,3269)	1:71:A:VAL:HG12	1:155:A:LYS:H	9	0.26
(1,3269)	1:71:A:VAL:HG13	1:155:A:LYS:H	9	0.26
(1,3269)	1:71:A:VAL:HG21	1:155:A:LYS:H	9	0.26
(1,3269)	1:71:A:VAL:HG22	1:155:A:LYS:H	9	0.26
(1,3269)	1:71:A:VAL:HG23	1:155:A:LYS:H	9	0.26
(1,3269)	1:71:A:VAL:HG11	1:155:A:LYS:H	13	0.26
(1,3269)	1:71:A:VAL:HG12	1:155:A:LYS:H	13	0.26
(1,3269)	1:71:A:VAL:HG13	1:155:A:LYS:H	13	0.26
(1,3269)	1:71:A:VAL:HG21	1:155:A:LYS:H	13	0.26
(1,3269)	1:71:A:VAL:HG22	1:155:A:LYS:H	13	0.26
(1,3269)	1:71:A:VAL:HG23	1:155:A:LYS:H	13	0.26
(1,3269)	1:71:A:VAL:HG11	1:155:A:LYS:H	18	0.26
(1,3269)	1:71:A:VAL:HG12	1:155:A:LYS:H	18	0.26
(1,3269)	1:71:A:VAL:HG13	1:155:A:LYS:H	18	0.26
(1,3269)	1:71:A:VAL:HG21	1:155:A:LYS:H	18	0.26
(1,3269)	1:71:A:VAL:HG22	1:155:A:LYS:H	18	0.26
(1,3269)	1:71:A:VAL:HG23	1:155:A:LYS:H	18	0.26
(1,3140)	1:54:A:PHE:HA	1:55:A:ASN:HD21	15	0.26
(1,3140)	1:54:A:PHE:HA	1:55:A:ASN:HD22	15	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3135)	1:52:A:VAL:HG11	1:134:A:GLN:HB3	1	0.26
(1,3135)	1:52:A:VAL:HG12	1:134:A:GLN:HB3	1	0.26
(1,3135)	1:52:A:VAL:HG13	1:134:A:GLN:HB3	1	0.26
(1,3135)	1:52:A:VAL:HG21	1:134:A:GLN:HB3	1	0.26
(1,3135)	1:52:A:VAL:HG22	1:134:A:GLN:HB3	1	0.26
(1,3135)	1:52:A:VAL:HG23	1:134:A:GLN:HB3	1	0.26
(1,3023)	1:34:A:LEU:HD11	1:148:A:ALA:HB1	7	0.26
(1,3023)	1:34:A:LEU:HD11	1:148:A:ALA:HB2	7	0.26
(1,3023)	1:34:A:LEU:HD11	1:148:A:ALA:HB3	7	0.26
(1,3023)	1:34:A:LEU:HD12	1:148:A:ALA:HB1	7	0.26
(1,3023)	1:34:A:LEU:HD12	1:148:A:ALA:HB2	7	0.26
(1,3023)	1:34:A:LEU:HD12	1:148:A:ALA:HB3	7	0.26
(1,3023)	1:34:A:LEU:HD13	1:148:A:ALA:HB1	7	0.26
(1,3023)	1:34:A:LEU:HD13	1:148:A:ALA:HB2	7	0.26
(1,3023)	1:34:A:LEU:HD13	1:148:A:ALA:HB3	7	0.26
(1,3023)	1:34:A:LEU:HD21	1:148:A:ALA:HB1	7	0.26
(1,3023)	1:34:A:LEU:HD21	1:148:A:ALA:HB2	7	0.26
(1,3023)	1:34:A:LEU:HD21	1:148:A:ALA:HB3	7	0.26
(1,3023)	1:34:A:LEU:HD22	1:148:A:ALA:HB1	7	0.26
(1,3023)	1:34:A:LEU:HD22	1:148:A:ALA:HB2	7	0.26
(1,3023)	1:34:A:LEU:HD22	1:148:A:ALA:HB3	7	0.26
(1,3023)	1:34:A:LEU:HD23	1:148:A:ALA:HB1	7	0.26
(1,3023)	1:34:A:LEU:HD23	1:148:A:ALA:HB2	7	0.26
(1,3023)	1:34:A:LEU:HD23	1:148:A:ALA:HB3	7	0.26
(1,3021)	1:34:A:LEU:HD11	1:137:A:TYR:HD1	13	0.26
(1,3021)	1:34:A:LEU:HD11	1:137:A:TYR:HD2	13	0.26
(1,3021)	1:34:A:LEU:HD12	1:137:A:TYR:HD1	13	0.26
(1,3021)	1:34:A:LEU:HD12	1:137:A:TYR:HD2	13	0.26
(1,3021)	1:34:A:LEU:HD13	1:137:A:TYR:HD1	13	0.26
(1,3021)	1:34:A:LEU:HD13	1:137:A:TYR:HD2	13	0.26
(1,3021)	1:34:A:LEU:HD21	1:137:A:TYR:HD1	13	0.26
(1,3021)	1:34:A:LEU:HD21	1:137:A:TYR:HD2	13	0.26
(1,3021)	1:34:A:LEU:HD22	1:137:A:TYR:HD1	13	0.26
(1,3021)	1:34:A:LEU:HD22	1:137:A:TYR:HD2	13	0.26
(1,3021)	1:34:A:LEU:HD23	1:137:A:TYR:HD1	13	0.26
(1,3021)	1:34:A:LEU:HD23	1:137:A:TYR:HD2	13	0.26
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG11	2	0.26
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG12	2	0.26
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG13	2	0.26
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG11	2	0.26
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG12	2	0.26
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG13	2	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG11	2	0.26
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG12	2	0.26
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG13	2	0.26
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG11	2	0.26
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG12	2	0.26
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG13	2	0.26
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG11	2	0.26
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG12	2	0.26
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG13	2	0.26
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG11	2	0.26
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG12	2	0.26
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG13	2	0.26
(1,2998)	1:33:A:GLN:HG2	1:35:A:GLY:HA2	15	0.26
(1,2998)	1:33:A:GLN:HG2	1:35:A:GLY:HA3	15	0.26
(1,2998)	1:33:A:GLN:HG3	1:35:A:GLY:HA2	15	0.26
(1,2998)	1:33:A:GLN:HG3	1:35:A:GLY:HA3	15	0.26
(1,2908)	1:16:A:VAL:HG11	1:154:A:PHE:HE1	15	0.26
(1,2908)	1:16:A:VAL:HG11	1:154:A:PHE:HE2	15	0.26
(1,2908)	1:16:A:VAL:HG12	1:154:A:PHE:HE1	15	0.26
(1,2908)	1:16:A:VAL:HG12	1:154:A:PHE:HE2	15	0.26
(1,2908)	1:16:A:VAL:HG13	1:154:A:PHE:HE1	15	0.26
(1,2908)	1:16:A:VAL:HG13	1:154:A:PHE:HE2	15	0.26
(1,2908)	1:16:A:VAL:HG21	1:154:A:PHE:HE1	15	0.26
(1,2908)	1:16:A:VAL:HG21	1:154:A:PHE:HE2	15	0.26
(1,2908)	1:16:A:VAL:HG22	1:154:A:PHE:HE1	15	0.26
(1,2908)	1:16:A:VAL:HG22	1:154:A:PHE:HE2	15	0.26
(1,2908)	1:16:A:VAL:HG23	1:154:A:PHE:HE1	15	0.26
(1,2908)	1:16:A:VAL:HG23	1:154:A:PHE:HE2	15	0.26
(1,2908)	1:16:A:VAL:HG11	1:154:A:PHE:HE1	19	0.26
(1,2908)	1:16:A:VAL:HG11	1:154:A:PHE:HE2	19	0.26
(1,2908)	1:16:A:VAL:HG12	1:154:A:PHE:HE1	19	0.26
(1,2908)	1:16:A:VAL:HG12	1:154:A:PHE:HE2	19	0.26
(1,2908)	1:16:A:VAL:HG13	1:154:A:PHE:HE1	19	0.26
(1,2908)	1:16:A:VAL:HG13	1:154:A:PHE:HE2	19	0.26
(1,2908)	1:16:A:VAL:HG21	1:154:A:PHE:HE1	19	0.26
(1,2908)	1:16:A:VAL:HG21	1:154:A:PHE:HE2	19	0.26
(1,2908)	1:16:A:VAL:HG22	1:154:A:PHE:HE1	19	0.26
(1,2908)	1:16:A:VAL:HG22	1:154:A:PHE:HE2	19	0.26
(1,2908)	1:16:A:VAL:HG23	1:154:A:PHE:HE1	19	0.26
(1,2908)	1:16:A:VAL:HG23	1:154:A:PHE:HE2	19	0.26
(1,2902)	1:16:A:VAL:HG11	1:18:A:ASN:H	17	0.26
(1,2902)	1:16:A:VAL:HG12	1:18:A:ASN:H	17	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2902)	1:16:A:VAL:HG13	1:18:A:ASN:H	17	0.26
(1,2902)	1:16:A:VAL:HG21	1:18:A:ASN:H	17	0.26
(1,2902)	1:16:A:VAL:HG22	1:18:A:ASN:H	17	0.26
(1,2902)	1:16:A:VAL:HG23	1:18:A:ASN:H	17	0.26
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG11	16	0.26
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG12	16	0.26
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG13	16	0.26
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG21	16	0.26
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG22	16	0.26
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG23	16	0.26
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG11	16	0.26
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG12	16	0.26
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG13	16	0.26
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG21	16	0.26
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG22	16	0.26
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG23	16	0.26
(1,2799)	1:4:A:THR:HG21	1:36:A:GLN:HG2	18	0.26
(1,2799)	1:4:A:THR:HG21	1:36:A:GLN:HG3	18	0.26
(1,2799)	1:4:A:THR:HG22	1:36:A:GLN:HG2	18	0.26
(1,2799)	1:4:A:THR:HG22	1:36:A:GLN:HG3	18	0.26
(1,2799)	1:4:A:THR:HG23	1:36:A:GLN:HG2	18	0.26
(1,2799)	1:4:A:THR:HG23	1:36:A:GLN:HG3	18	0.26
(1,2792)	1:9:A:THR:HG21	1:32:A:VAL:H	14	0.26
(1,2792)	1:9:A:THR:HG22	1:32:A:VAL:H	14	0.26
(1,2792)	1:9:A:THR:HG23	1:32:A:VAL:H	14	0.26
(1,2790)	1:9:A:THR:HA	1:34:A:LEU:HG	11	0.26
(1,2742)	1:96:A:ALA:HA	1:144:A:THR:H	14	0.26
(1,2716)	1:88:A:LEU:HD21	1:148:A:ALA:HA	14	0.26
(1,2716)	1:88:A:LEU:HD22	1:148:A:ALA:HA	14	0.26
(1,2716)	1:88:A:LEU:HD23	1:148:A:ALA:HA	14	0.26
(1,2644)	1:78:A:ILE:HG21	1:99:A:VAL:H	7	0.26
(1,2644)	1:78:A:ILE:HG22	1:99:A:VAL:H	7	0.26
(1,2644)	1:78:A:ILE:HG23	1:99:A:VAL:H	7	0.26
(1,2635)	1:78:A:ILE:HA	1:88:A:LEU:H	1	0.26
(1,2635)	1:78:A:ILE:HA	1:88:A:LEU:H	8	0.26
(1,2612)	1:75:A:GLY:HA2	1:86:A:LEU:HD11	17	0.26
(1,2612)	1:75:A:GLY:HA2	1:86:A:LEU:HD12	17	0.26
(1,2612)	1:75:A:GLY:HA2	1:86:A:LEU:HD13	17	0.26
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD11	5	0.26
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD12	5	0.26
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD13	5	0.26
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD11	9	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD12	9	0.26
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD13	9	0.26
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD11	11	0.26
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD12	11	0.26
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD13	11	0.26
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD11	12	0.26
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD12	12	0.26
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD13	12	0.26
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD11	15	0.26
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD12	15	0.26
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD13	15	0.26
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD11	16	0.26
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD12	16	0.26
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD13	16	0.26
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD11	17	0.26
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD12	17	0.26
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD13	17	0.26
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD11	18	0.26
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD12	18	0.26
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD13	18	0.26
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD11	20	0.26
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD12	20	0.26
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD13	20	0.26
(1,2609)	1:75:A:GLY:H	1:115:A:GLY:H	17	0.26
(1,2551)	1:6:A:ASN:H	1:6:A:ASN:HB3	11	0.26
(1,2549)	1:6:A:ASN:H	1:146:A:GLY:H	10	0.26
(1,2549)	1:6:A:ASN:H	1:146:A:GLY:H	14	0.26
(1,2547)	1:69:A:ALA:HB1	1:158:A:TYR:HE1	1	0.26
(1,2547)	1:69:A:ALA:HB1	1:158:A:TYR:HE2	1	0.26
(1,2547)	1:69:A:ALA:HB2	1:158:A:TYR:HE1	1	0.26
(1,2547)	1:69:A:ALA:HB2	1:158:A:TYR:HE2	1	0.26
(1,2547)	1:69:A:ALA:HB3	1:158:A:TYR:HE1	1	0.26
(1,2547)	1:69:A:ALA:HB3	1:158:A:TYR:HE2	1	0.26
(1,2532)	1:66:A:ALA:HB1	1:68:A:LYS:H	6	0.26
(1,2532)	1:66:A:ALA:HB2	1:68:A:LYS:H	6	0.26
(1,2532)	1:66:A:ALA:HB3	1:68:A:LYS:H	6	0.26
(1,2532)	1:66:A:ALA:HB1	1:68:A:LYS:H	7	0.26
(1,2532)	1:66:A:ALA:HB2	1:68:A:LYS:H	7	0.26
(1,2532)	1:66:A:ALA:HB3	1:68:A:LYS:H	7	0.26
(1,2532)	1:66:A:ALA:HB1	1:68:A:LYS:H	17	0.26
(1,2532)	1:66:A:ALA:HB2	1:68:A:LYS:H	17	0.26
(1,2532)	1:66:A:ALA:HB3	1:68:A:LYS:H	17	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2526)	1:66:A:ALA:HA	1:68:A:LYS:H	3	0.26
(1,2513)	1:63:A:THR:HA	1:65:A:VAL:H	3	0.26
(1,2508)	1:61:A:CYS:HB2	1:127:A:GLY:H	7	0.26
(1,2508)	1:61:A:CYS:HB2	1:127:A:GLY:H	14	0.26
(1,2459)	1:55:A:ASN:HA	1:130:A:THR:HG21	7	0.26
(1,2459)	1:55:A:ASN:HA	1:130:A:THR:HG22	7	0.26
(1,2459)	1:55:A:ASN:HA	1:130:A:THR:HG23	7	0.26
(1,2403)	1:45:A:GLU:HB3	1:141:A:GLY:H	7	0.26
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG21	5	0.26
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG22	5	0.26
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG23	5	0.26
(1,2357)	1:3:A:THR:HB	1:4:A:THR:H	4	0.26
(1,2355)	1:3:A:THR:HA	1:4:A:THR:HG21	7	0.26
(1,2355)	1:3:A:THR:HA	1:4:A:THR:HG22	7	0.26
(1,2355)	1:3:A:THR:HA	1:4:A:THR:HG23	7	0.26
(1,2322)	1:33:A:GLN:HG2	1:35:A:GLY:H	15	0.26
(1,2322)	1:33:A:GLN:HG3	1:35:A:GLY:H	15	0.26
(1,2312)	1:32:A:VAL:HG11	1:52:A:VAL:H	19	0.26
(1,2312)	1:32:A:VAL:HG12	1:52:A:VAL:H	19	0.26
(1,2312)	1:32:A:VAL:HG13	1:52:A:VAL:H	19	0.26
(1,2310)	1:32:A:VAL:HG11	1:135:A:ALA:H	12	0.26
(1,2310)	1:32:A:VAL:HG12	1:135:A:ALA:H	12	0.26
(1,2310)	1:32:A:VAL:HG13	1:135:A:ALA:H	12	0.26
(1,2191)	1:149:A:ASN:HD21	1:150:A:ALA:H	5	0.26
(1,2191)	1:149:A:ASN:HD21	1:150:A:ALA:H	8	0.26
(1,2191)	1:149:A:ASN:HD21	1:150:A:ALA:H	10	0.26
(1,1918)	1:89:A:GLN:H	1:148:A:ALA:HA	1	0.26
(1,1913)	1:88:A:LEU:H	1:88:A:LEU:HG	11	0.26
(1,1867)	1:77:A:ALA:HB1	1:82:A:HIS:H	11	0.26
(1,1867)	1:77:A:ALA:HB2	1:82:A:HIS:H	11	0.26
(1,1867)	1:77:A:ALA:HB3	1:82:A:HIS:H	11	0.26
(1,1867)	1:77:A:ALA:HB1	1:82:A:HIS:H	15	0.26
(1,1867)	1:77:A:ALA:HB2	1:82:A:HIS:H	15	0.26
(1,1867)	1:77:A:ALA:HB3	1:82:A:HIS:H	15	0.26
(1,1867)	1:77:A:ALA:HB1	1:82:A:HIS:H	17	0.26
(1,1867)	1:77:A:ALA:HB2	1:82:A:HIS:H	17	0.26
(1,1867)	1:77:A:ALA:HB3	1:82:A:HIS:H	17	0.26
(1,1827)	1:70:A:ALA:HB1	1:157:A:GLN:HB2	12	0.26
(1,1827)	1:70:A:ALA:HB2	1:157:A:GLN:HB2	12	0.26
(1,1827)	1:70:A:ALA:HB3	1:157:A:GLN:HB2	12	0.26
(1,1793)	1:63:A:THR:HB	1:65:A:VAL:H	16	0.26
(1,1732)	1:48:A:THR:HB	1:136:A:ARG:HE	18	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1669)	1:28:A:VAL:HG11	1:29:A:ASP:HB3	19	0.26
(1,1669)	1:28:A:VAL:HG12	1:29:A:ASP:HB3	19	0.26
(1,1669)	1:28:A:VAL:HG13	1:29:A:ASP:HB3	19	0.26
(1,1652)	1:23:A:VAL:H	1:58:A:LEU:HB3	6	0.26
(1,1652)	1:23:A:VAL:H	1:58:A:LEU:HB3	20	0.26
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB1	4	0.26
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB2	4	0.26
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB3	4	0.26
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE1	12	0.26
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE2	12	0.26
(1,1590)	1:13:A:LYS:H	1:14:A:GLY:H	7	0.26
(1,1580)	1:138:A:PHE:H	1:139:A:ALA:H	9	0.26
(1,1580)	1:138:A:PHE:H	1:139:A:ALA:H	20	0.26
(1,1468)	1:104:A:LEU:HD21	1:135:A:ALA:HA	4	0.26
(1,1468)	1:104:A:LEU:HD22	1:135:A:ALA:HA	4	0.26
(1,1468)	1:104:A:LEU:HD23	1:135:A:ALA:HA	4	0.26
(1,1468)	1:104:A:LEU:HD21	1:135:A:ALA:HA	9	0.26
(1,1468)	1:104:A:LEU:HD22	1:135:A:ALA:HA	9	0.26
(1,1468)	1:104:A:LEU:HD23	1:135:A:ALA:HA	9	0.26
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE1	6	0.26
(1,1435)	1:101:A:VAL:HG21	1:137:A:TYR:HE2	6	0.26
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE1	6	0.26
(1,1435)	1:101:A:VAL:HG22	1:137:A:TYR:HE2	6	0.26
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE1	6	0.26
(1,1435)	1:101:A:VAL:HG23	1:137:A:TYR:HE2	6	0.26
(1,1407)	1:89:A:GLN:HB2	1:90:A:SER:H	9	0.26
(1,1382)	1:76:A:THR:H	1:86:A:LEU:HA	16	0.26
(1,1382)	1:76:A:THR:H	1:86:A:LEU:HA	17	0.26
(1,1382)	1:76:A:THR:H	1:86:A:LEU:HA	19	0.26
(1,1361)	1:72:A:ALA:HB1	1:111:A:LEU:HD21	18	0.26
(1,1361)	1:72:A:ALA:HB1	1:111:A:LEU:HD22	18	0.26
(1,1361)	1:72:A:ALA:HB1	1:111:A:LEU:HD23	18	0.26
(1,1361)	1:72:A:ALA:HB2	1:111:A:LEU:HD21	18	0.26
(1,1361)	1:72:A:ALA:HB2	1:111:A:LEU:HD22	18	0.26
(1,1361)	1:72:A:ALA:HB2	1:111:A:LEU:HD23	18	0.26
(1,1361)	1:72:A:ALA:HB3	1:111:A:LEU:HD21	18	0.26
(1,1361)	1:72:A:ALA:HB3	1:111:A:LEU:HD22	18	0.26
(1,1361)	1:72:A:ALA:HB3	1:111:A:LEU:HD23	18	0.26
(1,1355)	1:6:A:ASN:HB3	1:7:A:GLY:H	2	0.26
(1,1355)	1:6:A:ASN:HB3	1:7:A:GLY:H	5	0.26
(1,1355)	1:6:A:ASN:HB3	1:7:A:GLY:H	10	0.26
(1,1355)	1:6:A:ASN:HB3	1:7:A:GLY:H	17	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1289)	1:32:A:VAL:HG21	1:55:A:ASN:H	15	0.26
(1,1289)	1:32:A:VAL:HG22	1:55:A:ASN:H	15	0.26
(1,1289)	1:32:A:VAL:HG23	1:55:A:ASN:H	15	0.26
(1,1289)	1:32:A:VAL:HG21	1:55:A:ASN:H	18	0.26
(1,1289)	1:32:A:VAL:HG22	1:55:A:ASN:H	18	0.26
(1,1289)	1:32:A:VAL:HG23	1:55:A:ASN:H	18	0.26
(1,1286)	1:30:A:GLN:HB3	1:31:A:THR:H	18	0.26
(1,1280)	1:27:A:SER:H	1:28:A:VAL:HB	7	0.26
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG21	4	0.26
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG22	4	0.26
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG23	4	0.26
(1,1141)	1:72:A:ALA:HB1	1:73:A:PHE:HD1	20	0.26
(1,1141)	1:72:A:ALA:HB1	1:73:A:PHE:HD2	20	0.26
(1,1141)	1:72:A:ALA:HB2	1:73:A:PHE:HD1	20	0.26
(1,1141)	1:72:A:ALA:HB2	1:73:A:PHE:HD2	20	0.26
(1,1141)	1:72:A:ALA:HB3	1:73:A:PHE:HD1	20	0.26
(1,1141)	1:72:A:ALA:HB3	1:73:A:PHE:HD2	20	0.26
(1,1098)	1:48:A:THR:HB	1:49:A:SER:H	20	0.26
(1,1094)	1:45:A:GLU:H	1:142:A:ALA:H	7	0.26
(1,1094)	1:45:A:GLU:H	1:142:A:ALA:H	13	0.26
(1,1068)	1:142:A:ALA:H	1:143:A:ALA:H	6	0.26
(1,1068)	1:142:A:ALA:H	1:143:A:ALA:H	10	0.26
(1,1068)	1:142:A:ALA:H	1:143:A:ALA:H	12	0.26
(1,1068)	1:142:A:ALA:H	1:143:A:ALA:H	15	0.26
(1,1003)	1:72:A:ALA:H	1:73:A:PHE:HD1	9	0.26
(1,1003)	1:72:A:ALA:H	1:73:A:PHE:HD2	9	0.26
(1,1003)	1:72:A:ALA:H	1:73:A:PHE:HD1	11	0.26
(1,1003)	1:72:A:ALA:H	1:73:A:PHE:HD2	11	0.26
(1,1003)	1:72:A:ALA:H	1:73:A:PHE:HD1	12	0.26
(1,1003)	1:72:A:ALA:H	1:73:A:PHE:HD2	12	0.26
(1,1003)	1:72:A:ALA:H	1:73:A:PHE:HD1	13	0.26
(1,1003)	1:72:A:ALA:H	1:73:A:PHE:HD2	13	0.26
(1,1003)	1:72:A:ALA:H	1:73:A:PHE:HD1	17	0.26
(1,1003)	1:72:A:ALA:H	1:73:A:PHE:HD2	17	0.26
(1,980)	1:50:A:SER:H	1:137:A:TYR:HD1	18	0.26
(1,980)	1:50:A:SER:H	1:137:A:TYR:HD2	18	0.26
(1,935)	1:124:A:LEU:HA	1:129:A:ASN:HD21	1	0.26
(1,928)	1:116:A:ALA:HA	1:117:A:THR:HB	19	0.26
(1,831)	1:154:A:PHE:HD1	1:155:A:LYS:H	13	0.26
(1,831)	1:154:A:PHE:HD2	1:155:A:LYS:H	13	0.26
(1,831)	1:154:A:PHE:HD1	1:155:A:LYS:H	19	0.26
(1,831)	1:154:A:PHE:HD2	1:155:A:LYS:H	19	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,815)	1:127:A:GLY:H	1:128:A:THR:H	6	0.26
(1,795)	1:106:A:ARG:HA	1:108:A:GLY:H	7	0.26
(1,770)	1:79:A:ASP:HB2	1:81:A:GLY:H	9	0.26
(1,737)	1:32:A:VAL:HG11	1:34:A:LEU:HA	9	0.26
(1,737)	1:32:A:VAL:HG12	1:34:A:LEU:HA	9	0.26
(1,737)	1:32:A:VAL:HG13	1:34:A:LEU:HA	9	0.26
(1,737)	1:32:A:VAL:HG11	1:34:A:LEU:HA	12	0.26
(1,737)	1:32:A:VAL:HG12	1:34:A:LEU:HA	12	0.26
(1,737)	1:32:A:VAL:HG13	1:34:A:LEU:HA	12	0.26
(1,725)	1:19:A:ALA:HB1	1:21:A:CYS:H	5	0.26
(1,725)	1:19:A:ALA:HB2	1:21:A:CYS:H	5	0.26
(1,725)	1:19:A:ALA:HB3	1:21:A:CYS:H	5	0.26
(1,721)	1:17:A:VAL:HG21	1:18:A:ASN:H	6	0.26
(1,721)	1:17:A:VAL:HG22	1:18:A:ASN:H	6	0.26
(1,721)	1:17:A:VAL:HG23	1:18:A:ASN:H	6	0.26
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG11	1	0.26
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG12	1	0.26
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG13	1	0.26
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB1	20	0.26
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB2	20	0.26
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB3	20	0.26
(1,683)	1:9:A:THR:H	1:149:A:ASN:H	16	0.26
(1,669)	1:69:A:ALA:H	1:121:A:GLU:HA	11	0.26
(1,669)	1:69:A:ALA:H	1:121:A:GLU:HA	19	0.26
(1,639)	1:140:A:THR:H	1:143:A:ALA:H	11	0.26
(1,567)	1:136:A:ARG:HA	1:137:A:TYR:HE1	1	0.26
(1,567)	1:136:A:ARG:HA	1:137:A:TYR:HE2	1	0.26
(1,567)	1:136:A:ARG:HA	1:137:A:TYR:HE1	2	0.26
(1,567)	1:136:A:ARG:HA	1:137:A:TYR:HE2	2	0.26
(1,567)	1:136:A:ARG:HA	1:137:A:TYR:HE1	20	0.26
(1,567)	1:136:A:ARG:HA	1:137:A:TYR:HE2	20	0.26
(1,563)	1:123:A:THR:HB	1:124:A:LEU:HA	17	0.26
(1,563)	1:123:A:THR:HB	1:124:A:LEU:HA	19	0.26
(1,493)	1:18:A:ASN:H	1:18:A:ASN:HB2	15	0.26
(1,472)	1:93:A:ALA:HB1	1:95:A:SER:H	13	0.26
(1,472)	1:93:A:ALA:HB2	1:95:A:SER:H	13	0.26
(1,472)	1:93:A:ALA:HB3	1:95:A:SER:H	13	0.26
(1,472)	1:93:A:ALA:HB1	1:95:A:SER:H	15	0.26
(1,472)	1:93:A:ALA:HB2	1:95:A:SER:H	15	0.26
(1,472)	1:93:A:ALA:HB3	1:95:A:SER:H	15	0.26
(1,472)	1:93:A:ALA:HB1	1:95:A:SER:H	20	0.26
(1,472)	1:93:A:ALA:HB2	1:95:A:SER:H	20	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,472)	1:93:A:ALA:HB3	1:95:A:SER:H	20	0.26
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG21	9	0.26
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG22	9	0.26
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG23	9	0.26
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG21	9	0.26
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG22	9	0.26
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG23	9	0.26
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG21	9	0.26
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG22	9	0.26
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG23	9	0.26
(1,353)	1:99:A:VAL:HG21	1:100:A:GLY:H	14	0.26
(1,353)	1:99:A:VAL:HG22	1:100:A:GLY:H	14	0.26
(1,353)	1:99:A:VAL:HG23	1:100:A:GLY:H	14	0.26
(1,350)	1:90:A:SER:HA	1:93:A:ALA:H	9	0.26
(1,340)	1:63:A:THR:H	1:126:A:ASN:H	6	0.26
(1,340)	1:63:A:THR:H	1:126:A:ASN:H	15	0.26
(1,340)	1:63:A:THR:H	1:126:A:ASN:H	16	0.26
(1,340)	1:63:A:THR:H	1:126:A:ASN:H	17	0.26
(1,331)	1:14:A:GLY:HA2	1:15:A:GLU:H	4	0.26
(1,331)	1:14:A:GLY:HA2	1:15:A:GLU:H	7	0.26
(1,326)	1:118:A:PHE:HB2	1:157:A:GLN:HB3	8	0.26
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB1	7	0.26
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB2	7	0.26
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB3	7	0.26
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD1	5	0.26
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD2	5	0.26
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD1	5	0.26
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD2	5	0.26
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD1	5	0.26
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD2	5	0.26
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD1	15	0.26
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD2	15	0.26
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD1	15	0.26
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD2	15	0.26
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD1	15	0.26
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD2	15	0.26
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG21	6	0.26
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG22	6	0.26
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG23	6	0.26
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG21	10	0.26
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG22	10	0.26
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG23	10	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD21	14	0.26
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD22	14	0.26
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD23	14	0.26
(1,220)	1:70:A:ALA:H	1:121:A:GLU:HA	14	0.26
(1,200)	1:32:A:VAL:HA	1:34:A:LEU:H	12	0.26
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB1	10	0.26
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB2	10	0.26
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB3	10	0.26
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB1	18	0.26
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB2	18	0.26
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB3	18	0.26
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB1	20	0.26
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB2	20	0.26
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB3	20	0.26
(1,152)	1:14:A:GLY:H	1:154:A:PHE:HD1	11	0.26
(1,152)	1:14:A:GLY:H	1:154:A:PHE:HD2	11	0.26
(1,136)	1:72:A:ALA:HB1	1:117:A:THR:HG21	13	0.26
(1,136)	1:72:A:ALA:HB1	1:117:A:THR:HG22	13	0.26
(1,136)	1:72:A:ALA:HB1	1:117:A:THR:HG23	13	0.26
(1,136)	1:72:A:ALA:HB2	1:117:A:THR:HG21	13	0.26
(1,136)	1:72:A:ALA:HB2	1:117:A:THR:HG22	13	0.26
(1,136)	1:72:A:ALA:HB2	1:117:A:THR:HG23	13	0.26
(1,136)	1:72:A:ALA:HB3	1:117:A:THR:HG21	13	0.26
(1,136)	1:72:A:ALA:HB3	1:117:A:THR:HG22	13	0.26
(1,136)	1:72:A:ALA:HB3	1:117:A:THR:HG23	13	0.26
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG21	14	0.26
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG22	14	0.26
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG23	14	0.26
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG21	14	0.26
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG22	14	0.26
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG23	14	0.26
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG21	14	0.26
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG22	14	0.26
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG23	14	0.26
(1,112)	1:68:A:LYS:H	1:158:A:TYR:HD1	20	0.26
(1,112)	1:68:A:LYS:H	1:158:A:TYR:HD2	20	0.26
(1,85)	1:100:A:GLY:H	1:138:A:PHE:HD1	18	0.26
(1,85)	1:100:A:GLY:H	1:138:A:PHE:HD2	18	0.26
(1,83)	1:78:A:ILE:HD11	1:139:A:ALA:HA	17	0.26
(1,83)	1:78:A:ILE:HD12	1:139:A:ALA:HA	17	0.26
(1,83)	1:78:A:ILE:HD13	1:139:A:ALA:HA	17	0.26
(1,81)	1:71:A:VAL:H	1:156:A:VAL:HG11	16	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,81)	1:71:A:VAL:H	1:156:A:VAL:HG12	16	0.26
(1,81)	1:71:A:VAL:H	1:156:A:VAL:HG13	16	0.26
(1,70)	1:103:A:ILE:H	1:110:A:ALA:HA	3	0.26
(1,54)	1:74:A:LEU:HG	1:152:A:ALA:HA	12	0.26
(1,43)	1:42:A:LEU:HD11	1:50:A:SER:H	14	0.26
(1,43)	1:42:A:LEU:HD12	1:50:A:SER:H	14	0.26
(1,43)	1:42:A:LEU:HD13	1:50:A:SER:H	14	0.26
(1,43)	1:42:A:LEU:HD21	1:50:A:SER:H	14	0.26
(1,43)	1:42:A:LEU:HD22	1:50:A:SER:H	14	0.26
(1,43)	1:42:A:LEU:HD23	1:50:A:SER:H	14	0.26
(1,39)	1:100:A:GLY:H	1:139:A:ALA:H	11	0.26
(1,39)	1:100:A:GLY:H	1:139:A:ALA:H	14	0.26
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG21	16	0.26
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG22	16	0.26
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG23	16	0.26
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG21	16	0.26
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG22	16	0.26
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG23	16	0.26
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG21	16	0.26
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG22	16	0.26
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG23	16	0.26
(1,29)	1:45:A:GLU:HA	1:138:A:PHE:HD1	20	0.26
(1,29)	1:45:A:GLU:HA	1:138:A:PHE:HD2	20	0.26
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB1	20	0.26
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB2	20	0.26
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB3	20	0.26
(1,3478)	1:126:A:ASN:H	1:126:A:ASN:HD21	11	0.25
(1,3478)	1:126:A:ASN:H	1:126:A:ASN:HD22	11	0.25
(1,3476)	1:125:A:ASN:HB2	1:126:A:ASN:H	9	0.25
(1,3476)	1:125:A:ASN:HB3	1:126:A:ASN:H	9	0.25
(1,3449)	1:106:A:ARG:HA	1:119:A:SER:HB2	17	0.25
(1,3449)	1:106:A:ARG:HA	1:119:A:SER:HB3	17	0.25
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB1	20	0.25
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB2	20	0.25
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB3	20	0.25
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB1	20	0.25
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB2	20	0.25
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB3	20	0.25
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB1	20	0.25
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB2	20	0.25
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB3	20	0.25
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB1	20	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB2	20	0.25
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB3	20	0.25
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB1	20	0.25
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB2	20	0.25
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB3	20	0.25
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB1	20	0.25
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB2	20	0.25
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB3	20	0.25
(1,3269)	1:71:A:VAL:HG11	1:155:A:LYS:H	3	0.25
(1,3269)	1:71:A:VAL:HG12	1:155:A:LYS:H	3	0.25
(1,3269)	1:71:A:VAL:HG13	1:155:A:LYS:H	3	0.25
(1,3269)	1:71:A:VAL:HG21	1:155:A:LYS:H	3	0.25
(1,3269)	1:71:A:VAL:HG22	1:155:A:LYS:H	3	0.25
(1,3269)	1:71:A:VAL:HG23	1:155:A:LYS:H	3	0.25
(1,3269)	1:71:A:VAL:HG11	1:155:A:LYS:H	4	0.25
(1,3269)	1:71:A:VAL:HG12	1:155:A:LYS:H	4	0.25
(1,3269)	1:71:A:VAL:HG13	1:155:A:LYS:H	4	0.25
(1,3269)	1:71:A:VAL:HG21	1:155:A:LYS:H	4	0.25
(1,3269)	1:71:A:VAL:HG22	1:155:A:LYS:H	4	0.25
(1,3269)	1:71:A:VAL:HG23	1:155:A:LYS:H	4	0.25
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB2	2	0.25
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB3	2	0.25
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB2	2	0.25
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB3	2	0.25
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB2	2	0.25
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB3	2	0.25
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB2	15	0.25
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB3	15	0.25
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB2	15	0.25
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB3	15	0.25
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB2	15	0.25
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB3	15	0.25
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB2	19	0.25
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB3	19	0.25
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB2	19	0.25
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB3	19	0.25
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB2	19	0.25
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB3	19	0.25
(1,3176)	1:58:A:LEU:HD11	1:131:A:ILE:HG13	17	0.25
(1,3176)	1:58:A:LEU:HD12	1:131:A:ILE:HG13	17	0.25
(1,3176)	1:58:A:LEU:HD13	1:131:A:ILE:HG13	17	0.25
(1,3176)	1:58:A:LEU:HD21	1:131:A:ILE:HG13	17	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3176)	1:58:A:LEU:HD22	1:131:A:ILE:HG13	17	0.25
(1,3176)	1:58:A:LEU:HD23	1:131:A:ILE:HG13	17	0.25
(1,3176)	1:58:A:LEU:HD11	1:131:A:ILE:HG13	18	0.25
(1,3176)	1:58:A:LEU:HD12	1:131:A:ILE:HG13	18	0.25
(1,3176)	1:58:A:LEU:HD13	1:131:A:ILE:HG13	18	0.25
(1,3176)	1:58:A:LEU:HD21	1:131:A:ILE:HG13	18	0.25
(1,3176)	1:58:A:LEU:HD22	1:131:A:ILE:HG13	18	0.25
(1,3176)	1:58:A:LEU:HD23	1:131:A:ILE:HG13	18	0.25
(1,3135)	1:52:A:VAL:HG11	1:134:A:GLN:HB3	14	0.25
(1,3135)	1:52:A:VAL:HG12	1:134:A:GLN:HB3	14	0.25
(1,3135)	1:52:A:VAL:HG13	1:134:A:GLN:HB3	14	0.25
(1,3135)	1:52:A:VAL:HG21	1:134:A:GLN:HB3	14	0.25
(1,3135)	1:52:A:VAL:HG22	1:134:A:GLN:HB3	14	0.25
(1,3135)	1:52:A:VAL:HG23	1:134:A:GLN:HB3	14	0.25
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD1	16	0.25
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD2	16	0.25
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD1	16	0.25
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD2	16	0.25
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD1	19	0.25
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD2	19	0.25
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD1	19	0.25
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD2	19	0.25
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG11	12	0.25
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG12	12	0.25
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG13	12	0.25
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG11	12	0.25
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG12	12	0.25
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG13	12	0.25
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG11	12	0.25
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG12	12	0.25
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG13	12	0.25
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG11	12	0.25
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG12	12	0.25
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG13	12	0.25
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG11	12	0.25
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG12	12	0.25
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG13	12	0.25
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG11	12	0.25
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG12	12	0.25
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG13	12	0.25
(1,2908)	1:16:A:VAL:HG11	1:154:A:PHE:HE1	14	0.25
(1,2908)	1:16:A:VAL:HG11	1:154:A:PHE:HE2	14	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2908)	1:16:A:VAL:HG12	1:154:A:PHE:HE1	14	0.25
(1,2908)	1:16:A:VAL:HG12	1:154:A:PHE:HE2	14	0.25
(1,2908)	1:16:A:VAL:HG13	1:154:A:PHE:HE1	14	0.25
(1,2908)	1:16:A:VAL:HG13	1:154:A:PHE:HE2	14	0.25
(1,2908)	1:16:A:VAL:HG21	1:154:A:PHE:HE1	14	0.25
(1,2908)	1:16:A:VAL:HG21	1:154:A:PHE:HE2	14	0.25
(1,2908)	1:16:A:VAL:HG22	1:154:A:PHE:HE1	14	0.25
(1,2908)	1:16:A:VAL:HG22	1:154:A:PHE:HE2	14	0.25
(1,2908)	1:16:A:VAL:HG23	1:154:A:PHE:HE1	14	0.25
(1,2908)	1:16:A:VAL:HG23	1:154:A:PHE:HE2	14	0.25
(1,2902)	1:16:A:VAL:HG11	1:18:A:ASN:H	5	0.25
(1,2902)	1:16:A:VAL:HG12	1:18:A:ASN:H	5	0.25
(1,2902)	1:16:A:VAL:HG13	1:18:A:ASN:H	5	0.25
(1,2902)	1:16:A:VAL:HG21	1:18:A:ASN:H	5	0.25
(1,2902)	1:16:A:VAL:HG22	1:18:A:ASN:H	5	0.25
(1,2902)	1:16:A:VAL:HG23	1:18:A:ASN:H	5	0.25
(1,2867)	1:10:A:VAL:HG11	1:152:A:ALA:H	7	0.25
(1,2867)	1:10:A:VAL:HG12	1:152:A:ALA:H	7	0.25
(1,2867)	1:10:A:VAL:HG13	1:152:A:ALA:H	7	0.25
(1,2867)	1:10:A:VAL:HG21	1:152:A:ALA:H	7	0.25
(1,2867)	1:10:A:VAL:HG22	1:152:A:ALA:H	7	0.25
(1,2867)	1:10:A:VAL:HG23	1:152:A:ALA:H	7	0.25
(1,2853)	1:10:A:VAL:HG11	1:32:A:VAL:HA	3	0.25
(1,2853)	1:10:A:VAL:HG12	1:32:A:VAL:HA	3	0.25
(1,2853)	1:10:A:VAL:HG13	1:32:A:VAL:HA	3	0.25
(1,2853)	1:10:A:VAL:HG21	1:32:A:VAL:HA	3	0.25
(1,2853)	1:10:A:VAL:HG22	1:32:A:VAL:HA	3	0.25
(1,2853)	1:10:A:VAL:HG23	1:32:A:VAL:HA	3	0.25
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG11	4	0.25
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG12	4	0.25
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG13	4	0.25
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG21	4	0.25
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG22	4	0.25
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG23	4	0.25
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG11	16	0.25
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG12	16	0.25
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG13	16	0.25
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG21	16	0.25
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG22	16	0.25
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG23	16	0.25
(1,2799)	1:4:A:THR:HG21	1:36:A:GLN:HG2	7	0.25
(1,2799)	1:4:A:THR:HG21	1:36:A:GLN:HG3	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2799)	1:4:A:THR:HG22	1:36:A:GLN:HG2	7	0.25
(1,2799)	1:4:A:THR:HG22	1:36:A:GLN:HG3	7	0.25
(1,2799)	1:4:A:THR:HG23	1:36:A:GLN:HG2	7	0.25
(1,2799)	1:4:A:THR:HG23	1:36:A:GLN:HG3	7	0.25
(1,2799)	1:4:A:THR:HG21	1:36:A:GLN:HG2	8	0.25
(1,2799)	1:4:A:THR:HG21	1:36:A:GLN:HG3	8	0.25
(1,2799)	1:4:A:THR:HG22	1:36:A:GLN:HG2	8	0.25
(1,2799)	1:4:A:THR:HG22	1:36:A:GLN:HG3	8	0.25
(1,2799)	1:4:A:THR:HG23	1:36:A:GLN:HG2	8	0.25
(1,2799)	1:4:A:THR:HG23	1:36:A:GLN:HG3	8	0.25
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB1	16	0.25
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB2	16	0.25
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB3	16	0.25
(1,2735)	1:93:A:ALA:H	1:95:A:SER:HB2	20	0.25
(1,2735)	1:93:A:ALA:H	1:95:A:SER:HB3	20	0.25
(1,2644)	1:78:A:ILE:HG21	1:99:A:VAL:H	13	0.25
(1,2644)	1:78:A:ILE:HG22	1:99:A:VAL:H	13	0.25
(1,2644)	1:78:A:ILE:HG23	1:99:A:VAL:H	13	0.25
(1,2612)	1:75:A:GLY:HA2	1:86:A:LEU:HD11	3	0.25
(1,2612)	1:75:A:GLY:HA2	1:86:A:LEU:HD12	3	0.25
(1,2612)	1:75:A:GLY:HA2	1:86:A:LEU:HD13	3	0.25
(1,2612)	1:75:A:GLY:HA2	1:86:A:LEU:HD11	14	0.25
(1,2612)	1:75:A:GLY:HA2	1:86:A:LEU:HD12	14	0.25
(1,2612)	1:75:A:GLY:HA2	1:86:A:LEU:HD13	14	0.25
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD11	7	0.25
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD12	7	0.25
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD13	7	0.25
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD11	10	0.25
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD12	10	0.25
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD13	10	0.25
(1,2578)	1:72:A:ALA:H	1:157:A:GLN:H	15	0.25
(1,2560)	1:70:A:ALA:HB1	1:118:A:PHE:H	14	0.25
(1,2560)	1:70:A:ALA:HB2	1:118:A:PHE:H	14	0.25
(1,2560)	1:70:A:ALA:HB3	1:118:A:PHE:H	14	0.25
(1,2560)	1:70:A:ALA:HB1	1:118:A:PHE:H	20	0.25
(1,2560)	1:70:A:ALA:HB2	1:118:A:PHE:H	20	0.25
(1,2560)	1:70:A:ALA:HB3	1:118:A:PHE:H	20	0.25
(1,2551)	1:6:A:ASN:H	1:6:A:ASN:HB3	12	0.25
(1,2549)	1:6:A:ASN:H	1:146:A:GLY:H	1	0.25
(1,2549)	1:6:A:ASN:H	1:146:A:GLY:H	3	0.25
(1,2532)	1:66:A:ALA:HB1	1:68:A:LYS:H	16	0.25
(1,2532)	1:66:A:ALA:HB2	1:68:A:LYS:H	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2532)	1:66:A:ALA:HB3	1:68:A:LYS:H	16	0.25
(1,2529)	1:66:A:ALA:HB1	1:158:A:TYR:HA	12	0.25
(1,2529)	1:66:A:ALA:HB2	1:158:A:TYR:HA	12	0.25
(1,2529)	1:66:A:ALA:HB3	1:158:A:TYR:HA	12	0.25
(1,2526)	1:66:A:ALA:HA	1:68:A:LYS:H	4	0.25
(1,2526)	1:66:A:ALA:HA	1:68:A:LYS:H	6	0.25
(1,2526)	1:66:A:ALA:HA	1:68:A:LYS:H	10	0.25
(1,2526)	1:66:A:ALA:HA	1:68:A:LYS:H	17	0.25
(1,2513)	1:63:A:THR:HA	1:65:A:VAL:H	4	0.25
(1,2513)	1:63:A:THR:HA	1:65:A:VAL:H	6	0.25
(1,2503)	1:5:A:VAL:HG21	1:39:A:THR:HA	11	0.25
(1,2503)	1:5:A:VAL:HG22	1:39:A:THR:HA	11	0.25
(1,2503)	1:5:A:VAL:HG23	1:39:A:THR:HA	11	0.25
(1,2382)	1:43:A:ALA:H	1:47:A:ALA:HA	2	0.25
(1,2367)	1:42:A:LEU:HA	1:47:A:ALA:H	16	0.25
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG21	1	0.25
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG22	1	0.25
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG23	1	0.25
(1,2355)	1:3:A:THR:HA	1:4:A:THR:HG21	10	0.25
(1,2355)	1:3:A:THR:HA	1:4:A:THR:HG22	10	0.25
(1,2355)	1:3:A:THR:HA	1:4:A:THR:HG23	10	0.25
(1,2310)	1:32:A:VAL:HG11	1:135:A:ALA:H	18	0.25
(1,2310)	1:32:A:VAL:HG12	1:135:A:ALA:H	18	0.25
(1,2310)	1:32:A:VAL:HG13	1:135:A:ALA:H	18	0.25
(1,2219)	1:159:A:GLN:H	1:159:A:GLN:HG2	8	0.25
(1,2219)	1:159:A:GLN:H	1:159:A:GLN:HG3	8	0.25
(1,2191)	1:149:A:ASN:HD21	1:150:A:ALA:H	20	0.25
(1,2159)	1:139:A:ALA:H	1:143:A:ALA:HB1	5	0.25
(1,2159)	1:139:A:ALA:H	1:143:A:ALA:HB2	5	0.25
(1,2159)	1:139:A:ALA:H	1:143:A:ALA:HB3	5	0.25
(1,2000)	1:103:A:ILE:HG21	1:111:A:LEU:HD21	9	0.25
(1,2000)	1:103:A:ILE:HG21	1:111:A:LEU:HD22	9	0.25
(1,2000)	1:103:A:ILE:HG21	1:111:A:LEU:HD23	9	0.25
(1,2000)	1:103:A:ILE:HG22	1:111:A:LEU:HD21	9	0.25
(1,2000)	1:103:A:ILE:HG22	1:111:A:LEU:HD22	9	0.25
(1,2000)	1:103:A:ILE:HG22	1:111:A:LEU:HD23	9	0.25
(1,2000)	1:103:A:ILE:HG23	1:111:A:LEU:HD21	9	0.25
(1,2000)	1:103:A:ILE:HG23	1:111:A:LEU:HD22	9	0.25
(1,2000)	1:103:A:ILE:HG23	1:111:A:LEU:HD23	9	0.25
(1,1947)	1:97:A:THR:H	1:144:A:THR:H	19	0.25
(1,1938)	1:95:A:SER:HA	1:148:A:ALA:HB1	4	0.25
(1,1938)	1:95:A:SER:HA	1:148:A:ALA:HB2	4	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1938)	1:95:A:SER:HA	1:148:A:ALA:HB3	4	0.25
(1,1938)	1:95:A:SER:HA	1:148:A:ALA:HB1	9	0.25
(1,1938)	1:95:A:SER:HA	1:148:A:ALA:HB2	9	0.25
(1,1938)	1:95:A:SER:HA	1:148:A:ALA:HB3	9	0.25
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD11	15	0.25
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD12	15	0.25
(1,1925)	1:8:A:GLY:H	1:34:A:LEU:HD13	15	0.25
(1,1923)	1:8:A:GLY:H	1:148:A:ALA:HB1	8	0.25
(1,1923)	1:8:A:GLY:H	1:148:A:ALA:HB2	8	0.25
(1,1923)	1:8:A:GLY:H	1:148:A:ALA:HB3	8	0.25
(1,1913)	1:88:A:LEU:H	1:88:A:LEU:HG	5	0.25
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB1	8	0.25
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB2	8	0.25
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB3	8	0.25
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB1	8	0.25
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB2	8	0.25
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB3	8	0.25
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB1	8	0.25
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB2	8	0.25
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB3	8	0.25
(1,1867)	1:77:A:ALA:HB1	1:82:A:HIS:H	3	0.25
(1,1867)	1:77:A:ALA:HB2	1:82:A:HIS:H	3	0.25
(1,1867)	1:77:A:ALA:HB3	1:82:A:HIS:H	3	0.25
(1,1867)	1:77:A:ALA:HB1	1:82:A:HIS:H	8	0.25
(1,1867)	1:77:A:ALA:HB2	1:82:A:HIS:H	8	0.25
(1,1867)	1:77:A:ALA:HB3	1:82:A:HIS:H	8	0.25
(1,1793)	1:63:A:THR:HB	1:65:A:VAL:H	13	0.25
(1,1753)	1:51:A:ALA:HB1	1:134:A:GLN:HE22	18	0.25
(1,1753)	1:51:A:ALA:HB2	1:134:A:GLN:HE22	18	0.25
(1,1753)	1:51:A:ALA:HB3	1:134:A:GLN:HE22	18	0.25
(1,1708)	1:42:A:LEU:H	1:47:A:ALA:HB1	2	0.25
(1,1708)	1:42:A:LEU:H	1:47:A:ALA:HB2	2	0.25
(1,1708)	1:42:A:LEU:H	1:47:A:ALA:HB3	2	0.25
(1,1677)	1:31:A:THR:HG21	1:33:A:GLN:HE21	2	0.25
(1,1677)	1:31:A:THR:HG22	1:33:A:GLN:HE21	2	0.25
(1,1677)	1:31:A:THR:HG23	1:33:A:GLN:HE21	2	0.25
(1,1677)	1:31:A:THR:HG21	1:33:A:GLN:HE21	20	0.25
(1,1677)	1:31:A:THR:HG22	1:33:A:GLN:HE21	20	0.25
(1,1677)	1:31:A:THR:HG23	1:33:A:GLN:HE21	20	0.25
(1,1669)	1:28:A:VAL:HG11	1:29:A:ASP:HB3	5	0.25
(1,1669)	1:28:A:VAL:HG12	1:29:A:ASP:HB3	5	0.25
(1,1669)	1:28:A:VAL:HG13	1:29:A:ASP:HB3	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB1	3	0.25
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB2	3	0.25
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB3	3	0.25
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB1	7	0.25
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB2	7	0.25
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB3	7	0.25
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB1	10	0.25
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB2	10	0.25
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB3	10	0.25
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB1	12	0.25
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB2	12	0.25
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB3	12	0.25
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE1	20	0.25
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE2	20	0.25
(1,1468)	1:104:A:LEU:HD21	1:135:A:ALA:HA	5	0.25
(1,1468)	1:104:A:LEU:HD22	1:135:A:ALA:HA	5	0.25
(1,1468)	1:104:A:LEU:HD23	1:135:A:ALA:HA	5	0.25
(1,1468)	1:104:A:LEU:HD21	1:135:A:ALA:HA	8	0.25
(1,1468)	1:104:A:LEU:HD22	1:135:A:ALA:HA	8	0.25
(1,1468)	1:104:A:LEU:HD23	1:135:A:ALA:HA	8	0.25
(1,1468)	1:104:A:LEU:HD21	1:135:A:ALA:HA	16	0.25
(1,1468)	1:104:A:LEU:HD22	1:135:A:ALA:HA	16	0.25
(1,1468)	1:104:A:LEU:HD23	1:135:A:ALA:HA	16	0.25
(1,1440)	1:102:A:GLN:HB3	1:103:A:ILE:H	8	0.25
(1,1440)	1:102:A:GLN:HB3	1:103:A:ILE:H	11	0.25
(1,1415)	1:93:A:ALA:H	1:95:A:SER:H	5	0.25
(1,1415)	1:93:A:ALA:H	1:95:A:SER:H	20	0.25
(1,1395)	1:79:A:ASP:HA	1:81:A:GLY:H	18	0.25
(1,1382)	1:76:A:THR:H	1:86:A:LEU:HA	7	0.25
(1,1382)	1:76:A:THR:H	1:86:A:LEU:HA	8	0.25
(1,1382)	1:76:A:THR:H	1:86:A:LEU:HA	10	0.25
(1,1382)	1:76:A:THR:H	1:86:A:LEU:HA	13	0.25
(1,1377)	1:74:A:LEU:HB3	1:153:A:THR:HB	20	0.25
(1,1361)	1:72:A:ALA:HB1	1:111:A:LEU:HD21	1	0.25
(1,1361)	1:72:A:ALA:HB1	1:111:A:LEU:HD22	1	0.25
(1,1361)	1:72:A:ALA:HB1	1:111:A:LEU:HD23	1	0.25
(1,1361)	1:72:A:ALA:HB2	1:111:A:LEU:HD21	1	0.25
(1,1361)	1:72:A:ALA:HB2	1:111:A:LEU:HD22	1	0.25
(1,1361)	1:72:A:ALA:HB2	1:111:A:LEU:HD23	1	0.25
(1,1361)	1:72:A:ALA:HB3	1:111:A:LEU:HD21	1	0.25
(1,1361)	1:72:A:ALA:HB3	1:111:A:LEU:HD22	1	0.25
(1,1361)	1:72:A:ALA:HB3	1:111:A:LEU:HD23	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1361)	1:72:A:ALA:HB1	1:111:A:LEU:HD21	5	0.25
(1,1361)	1:72:A:ALA:HB1	1:111:A:LEU:HD22	5	0.25
(1,1361)	1:72:A:ALA:HB1	1:111:A:LEU:HD23	5	0.25
(1,1361)	1:72:A:ALA:HB2	1:111:A:LEU:HD21	5	0.25
(1,1361)	1:72:A:ALA:HB2	1:111:A:LEU:HD22	5	0.25
(1,1361)	1:72:A:ALA:HB2	1:111:A:LEU:HD23	5	0.25
(1,1361)	1:72:A:ALA:HB3	1:111:A:LEU:HD21	5	0.25
(1,1361)	1:72:A:ALA:HB3	1:111:A:LEU:HD22	5	0.25
(1,1361)	1:72:A:ALA:HB3	1:111:A:LEU:HD23	5	0.25
(1,1355)	1:6:A:ASN:HB3	1:7:A:GLY:H	13	0.25
(1,1355)	1:6:A:ASN:HB3	1:7:A:GLY:H	14	0.25
(1,1355)	1:6:A:ASN:HB3	1:7:A:GLY:H	18	0.25
(1,1355)	1:6:A:ASN:HB3	1:7:A:GLY:H	20	0.25
(1,1302)	1:3:A:THR:HG21	1:145:A:PRO:HG3	20	0.25
(1,1302)	1:3:A:THR:HG22	1:145:A:PRO:HG3	20	0.25
(1,1302)	1:3:A:THR:HG23	1:145:A:PRO:HG3	20	0.25
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD11	2	0.25
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD12	2	0.25
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD13	2	0.25
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD21	2	0.25
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD22	2	0.25
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD23	2	0.25
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD11	2	0.25
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD12	2	0.25
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD13	2	0.25
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD21	2	0.25
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD22	2	0.25
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD23	2	0.25
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD11	2	0.25
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD12	2	0.25
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD13	2	0.25
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD21	2	0.25
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD22	2	0.25
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD23	2	0.25
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD11	6	0.25
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD12	6	0.25
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD13	6	0.25
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD21	6	0.25
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD22	6	0.25
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD23	6	0.25
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD11	6	0.25
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD12	6	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD13	6	0.25
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD21	6	0.25
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD22	6	0.25
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD23	6	0.25
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD11	6	0.25
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD12	6	0.25
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD13	6	0.25
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD21	6	0.25
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD22	6	0.25
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD23	6	0.25
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD11	9	0.25
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD12	9	0.25
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD13	9	0.25
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD21	9	0.25
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD22	9	0.25
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD23	9	0.25
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD11	9	0.25
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD12	9	0.25
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD13	9	0.25
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD21	9	0.25
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD22	9	0.25
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD23	9	0.25
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD11	9	0.25
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD12	9	0.25
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD13	9	0.25
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD21	9	0.25
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD22	9	0.25
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD23	9	0.25
(1,1261)	1:16:A:VAL:HB	1:17:A:VAL:H	11	0.25
(1,1174)	1:100:A:GLY:H	1:140:A:THR:HG21	4	0.25
(1,1174)	1:100:A:GLY:H	1:140:A:THR:HG22	4	0.25
(1,1174)	1:100:A:GLY:H	1:140:A:THR:HG23	4	0.25
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG21	1	0.25
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG22	1	0.25
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG23	1	0.25
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG21	5	0.25
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG22	5	0.25
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG23	5	0.25
(1,1099)	1:48:A:THR:HG21	1:136:A:ARG:HG2	13	0.25
(1,1099)	1:48:A:THR:HG21	1:136:A:ARG:HG3	13	0.25
(1,1099)	1:48:A:THR:HG22	1:136:A:ARG:HG2	13	0.25
(1,1099)	1:48:A:THR:HG22	1:136:A:ARG:HG3	13	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1099)	1:48:A:THR:HG23	1:136:A:ARG:HG2	13	0.25
(1,1099)	1:48:A:THR:HG23	1:136:A:ARG:HG3	13	0.25
(1,1098)	1:48:A:THR:HB	1:49:A:SER:H	13	0.25
(1,1094)	1:45:A:GLU:H	1:142:A:ALA:H	3	0.25
(1,1085)	1:34:A:LEU:HA	1:52:A:VAL:HB	12	0.25
(1,1068)	1:142:A:ALA:H	1:143:A:ALA:H	2	0.25
(1,1068)	1:142:A:ALA:H	1:143:A:ALA:H	8	0.25
(1,876)	1:64:A:ASN:H	1:65:A:VAL:HB	3	0.25
(1,831)	1:154:A:PHE:HD1	1:155:A:LYS:H	8	0.25
(1,831)	1:154:A:PHE:HD2	1:155:A:LYS:H	8	0.25
(1,795)	1:106:A:ARG:HA	1:108:A:GLY:H	10	0.25
(1,795)	1:106:A:ARG:HA	1:108:A:GLY:H	17	0.25
(1,775)	1:8:A:GLY:H	1:34:A:LEU:HA	20	0.25
(1,750)	1:55:A:ASN:HA	1:131:A:ILE:H	5	0.25
(1,748)	1:54:A:PHE:HD1	1:134:A:GLN:H	10	0.25
(1,748)	1:54:A:PHE:HD2	1:134:A:GLN:H	10	0.25
(1,721)	1:17:A:VAL:HG21	1:18:A:ASN:H	3	0.25
(1,721)	1:17:A:VAL:HG22	1:18:A:ASN:H	3	0.25
(1,721)	1:17:A:VAL:HG23	1:18:A:ASN:H	3	0.25
(1,692)	1:10:A:VAL:HA	1:149:A:ASN:HA	7	0.25
(1,683)	1:9:A:THR:H	1:149:A:ASN:H	7	0.25
(1,669)	1:69:A:ALA:H	1:121:A:GLU:HA	1	0.25
(1,669)	1:69:A:ALA:H	1:121:A:GLU:HA	2	0.25
(1,669)	1:69:A:ALA:H	1:121:A:GLU:HA	7	0.25
(1,669)	1:69:A:ALA:H	1:121:A:GLU:HA	13	0.25
(1,669)	1:69:A:ALA:H	1:121:A:GLU:HA	14	0.25
(1,669)	1:69:A:ALA:H	1:121:A:GLU:HA	18	0.25
(1,648)	1:19:A:ALA:H	1:22:A:ALA:HA	16	0.25
(1,639)	1:140:A:THR:H	1:143:A:ALA:H	1	0.25
(1,587)	1:42:A:LEU:HG	1:48:A:THR:HA	3	0.25
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB1	8	0.25
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB2	8	0.25
(1,556)	1:101:A:VAL:HB	1:150:A:ALA:HB3	8	0.25
(1,549)	1:74:A:LEU:HD21	1:155:A:LYS:HE2	17	0.25
(1,549)	1:74:A:LEU:HD21	1:155:A:LYS:HE3	17	0.25
(1,549)	1:74:A:LEU:HD22	1:155:A:LYS:HE2	17	0.25
(1,549)	1:74:A:LEU:HD22	1:155:A:LYS:HE3	17	0.25
(1,549)	1:74:A:LEU:HD23	1:155:A:LYS:HE2	17	0.25
(1,549)	1:74:A:LEU:HD23	1:155:A:LYS:HE3	17	0.25
(1,536)	1:42:A:LEU:HD11	1:138:A:PHE:H	6	0.25
(1,536)	1:42:A:LEU:HD12	1:138:A:PHE:H	6	0.25
(1,536)	1:42:A:LEU:HD13	1:138:A:PHE:H	6	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD2	4	0.25
(1,510)	1:72:A:ALA:HA	1:155:A:LYS:HD3	4	0.25
(1,492)	1:17:A:VAL:HG21	1:19:A:ALA:H	15	0.25
(1,492)	1:17:A:VAL:HG22	1:19:A:ALA:H	15	0.25
(1,492)	1:17:A:VAL:HG23	1:19:A:ALA:H	15	0.25
(1,489)	1:14:A:GLY:HA2	1:153:A:THR:HA	8	0.25
(1,472)	1:93:A:ALA:HB1	1:95:A:SER:H	4	0.25
(1,472)	1:93:A:ALA:HB2	1:95:A:SER:H	4	0.25
(1,472)	1:93:A:ALA:HB3	1:95:A:SER:H	4	0.25
(1,472)	1:93:A:ALA:HB1	1:95:A:SER:H	19	0.25
(1,472)	1:93:A:ALA:HB2	1:95:A:SER:H	19	0.25
(1,472)	1:93:A:ALA:HB3	1:95:A:SER:H	19	0.25
(1,441)	1:16:A:VAL:H	1:156:A:VAL:HG21	16	0.25
(1,441)	1:16:A:VAL:H	1:156:A:VAL:HG22	16	0.25
(1,441)	1:16:A:VAL:H	1:156:A:VAL:HG23	16	0.25
(1,398)	1:78:A:ILE:HD11	1:100:A:GLY:HA3	16	0.25
(1,398)	1:78:A:ILE:HD12	1:100:A:GLY:HA3	16	0.25
(1,398)	1:78:A:ILE:HD13	1:100:A:GLY:HA3	16	0.25
(1,377)	1:92:A:ALA:HA	1:94:A:GLY:H	11	0.25
(1,373)	1:78:A:ILE:HD11	1:100:A:GLY:HA2	8	0.25
(1,373)	1:78:A:ILE:HD12	1:100:A:GLY:HA2	8	0.25
(1,373)	1:78:A:ILE:HD13	1:100:A:GLY:HA2	8	0.25
(1,359)	1:113:A:LEU:HD11	1:151:A:ASP:H	1	0.25
(1,359)	1:113:A:LEU:HD12	1:151:A:ASP:H	1	0.25
(1,359)	1:113:A:LEU:HD13	1:151:A:ASP:H	1	0.25
(1,359)	1:113:A:LEU:HD21	1:151:A:ASP:H	1	0.25
(1,359)	1:113:A:LEU:HD22	1:151:A:ASP:H	1	0.25
(1,359)	1:113:A:LEU:HD23	1:151:A:ASP:H	1	0.25
(1,340)	1:63:A:THR:H	1:126:A:ASN:H	1	0.25
(1,340)	1:63:A:THR:H	1:126:A:ASN:H	12	0.25
(1,340)	1:63:A:THR:H	1:126:A:ASN:H	19	0.25
(1,331)	1:14:A:GLY:HA2	1:15:A:GLU:H	12	0.25
(1,331)	1:14:A:GLY:HA2	1:15:A:GLU:H	13	0.25
(1,295)	1:39:A:THR:HA	1:42:A:LEU:HG	8	0.25
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB1	11	0.25
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB2	11	0.25
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB3	11	0.25
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB1	12	0.25
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB2	12	0.25
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB3	12	0.25
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB1	13	0.25
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB2	13	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB3	13	0.25
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB1	19	0.25
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB2	19	0.25
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB3	19	0.25
(1,181)	1:74:A:LEU:HG	1:115:A:GLY:HA2	7	0.25
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG21	12	0.25
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG22	12	0.25
(1,148)	1:96:A:ALA:H	1:97:A:THR:HG23	12	0.25
(1,99)	1:61:A:CYS:H	1:128:A:THR:H	3	0.25
(1,99)	1:61:A:CYS:H	1:128:A:THR:H	16	0.25
(1,94)	1:142:A:ALA:HB1	1:144:A:THR:HB	17	0.25
(1,94)	1:142:A:ALA:HB2	1:144:A:THR:HB	17	0.25
(1,94)	1:142:A:ALA:HB3	1:144:A:THR:HB	17	0.25
(1,85)	1:100:A:GLY:H	1:138:A:PHE:HD1	3	0.25
(1,85)	1:100:A:GLY:H	1:138:A:PHE:HD2	3	0.25
(1,85)	1:100:A:GLY:H	1:138:A:PHE:HD1	17	0.25
(1,85)	1:100:A:GLY:H	1:138:A:PHE:HD2	17	0.25
(1,81)	1:71:A:VAL:H	1:156:A:VAL:HG11	4	0.25
(1,81)	1:71:A:VAL:H	1:156:A:VAL:HG12	4	0.25
(1,81)	1:71:A:VAL:H	1:156:A:VAL:HG13	4	0.25
(1,81)	1:71:A:VAL:H	1:156:A:VAL:HG11	6	0.25
(1,81)	1:71:A:VAL:H	1:156:A:VAL:HG12	6	0.25
(1,81)	1:71:A:VAL:H	1:156:A:VAL:HG13	6	0.25
(1,70)	1:103:A:ILE:H	1:110:A:ALA:HA	10	0.25
(1,50)	1:24:A:ASP:H	1:28:A:VAL:H	4	0.25
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG21	18	0.25
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG22	18	0.25
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG23	18	0.25
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG21	18	0.25
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG22	18	0.25
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG23	18	0.25
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG21	18	0.25
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG22	18	0.25
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG23	18	0.25
(1,6)	1:4:A:THR:H	1:39:A:THR:HG21	17	0.25
(1,6)	1:4:A:THR:H	1:39:A:THR:HG22	17	0.25
(1,6)	1:4:A:THR:H	1:39:A:THR:HG23	17	0.25
(1,3478)	1:126:A:ASN:H	1:126:A:ASN:HD21	15	0.24
(1,3478)	1:126:A:ASN:H	1:126:A:ASN:HD22	15	0.24
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD11	18	0.24
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD12	18	0.24
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD13	18	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD21	18	0.24
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD22	18	0.24
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD23	18	0.24
(1,3392)	1:99:A:VAL:HG11	1:137:A:TYR:HE1	4	0.24
(1,3392)	1:99:A:VAL:HG11	1:137:A:TYR:HE2	4	0.24
(1,3392)	1:99:A:VAL:HG12	1:137:A:TYR:HE1	4	0.24
(1,3392)	1:99:A:VAL:HG12	1:137:A:TYR:HE2	4	0.24
(1,3392)	1:99:A:VAL:HG13	1:137:A:TYR:HE1	4	0.24
(1,3392)	1:99:A:VAL:HG13	1:137:A:TYR:HE2	4	0.24
(1,3392)	1:99:A:VAL:HG21	1:137:A:TYR:HE1	4	0.24
(1,3392)	1:99:A:VAL:HG21	1:137:A:TYR:HE2	4	0.24
(1,3392)	1:99:A:VAL:HG22	1:137:A:TYR:HE1	4	0.24
(1,3392)	1:99:A:VAL:HG22	1:137:A:TYR:HE2	4	0.24
(1,3392)	1:99:A:VAL:HG23	1:137:A:TYR:HE1	4	0.24
(1,3392)	1:99:A:VAL:HG23	1:137:A:TYR:HE2	4	0.24
(1,3318)	1:85:A:VAL:HA	1:102:A:GLN:HG2	5	0.24
(1,3318)	1:85:A:VAL:HA	1:102:A:GLN:HG3	5	0.24
(1,3318)	1:85:A:VAL:HA	1:102:A:GLN:HG2	6	0.24
(1,3318)	1:85:A:VAL:HA	1:102:A:GLN:HG3	6	0.24
(1,3318)	1:85:A:VAL:HA	1:102:A:GLN:HG2	11	0.24
(1,3318)	1:85:A:VAL:HA	1:102:A:GLN:HG3	11	0.24
(1,3296)	1:79:A:ASP:HB2	1:80:A:ALA:H	1	0.24
(1,3296)	1:79:A:ASP:HB3	1:80:A:ALA:H	1	0.24
(1,3269)	1:71:A:VAL:HG11	1:155:A:LYS:H	15	0.24
(1,3269)	1:71:A:VAL:HG12	1:155:A:LYS:H	15	0.24
(1,3269)	1:71:A:VAL:HG13	1:155:A:LYS:H	15	0.24
(1,3269)	1:71:A:VAL:HG21	1:155:A:LYS:H	15	0.24
(1,3269)	1:71:A:VAL:HG22	1:155:A:LYS:H	15	0.24
(1,3269)	1:71:A:VAL:HG23	1:155:A:LYS:H	15	0.24
(1,3169)	1:57:A:GLN:HE21	1:128:A:THR:HG21	13	0.24
(1,3169)	1:57:A:GLN:HE21	1:128:A:THR:HG22	13	0.24
(1,3169)	1:57:A:GLN:HE21	1:128:A:THR:HG23	13	0.24
(1,3169)	1:57:A:GLN:HE22	1:128:A:THR:HG21	13	0.24
(1,3169)	1:57:A:GLN:HE22	1:128:A:THR:HG22	13	0.24
(1,3169)	1:57:A:GLN:HE22	1:128:A:THR:HG23	13	0.24
(1,3135)	1:52:A:VAL:HG11	1:134:A:GLN:HB3	2	0.24
(1,3135)	1:52:A:VAL:HG12	1:134:A:GLN:HB3	2	0.24
(1,3135)	1:52:A:VAL:HG13	1:134:A:GLN:HB3	2	0.24
(1,3135)	1:52:A:VAL:HG21	1:134:A:GLN:HB3	2	0.24
(1,3135)	1:52:A:VAL:HG22	1:134:A:GLN:HB3	2	0.24
(1,3135)	1:52:A:VAL:HG23	1:134:A:GLN:HB3	2	0.24
(1,3135)	1:52:A:VAL:HG11	1:134:A:GLN:HB3	8	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3135)	1:52:A:VAL:HG12	1:134:A:GLN:HB3	8	0.24
(1,3135)	1:52:A:VAL:HG13	1:134:A:GLN:HB3	8	0.24
(1,3135)	1:52:A:VAL:HG21	1:134:A:GLN:HB3	8	0.24
(1,3135)	1:52:A:VAL:HG22	1:134:A:GLN:HB3	8	0.24
(1,3135)	1:52:A:VAL:HG23	1:134:A:GLN:HB3	8	0.24
(1,3135)	1:52:A:VAL:HG11	1:134:A:GLN:HB3	10	0.24
(1,3135)	1:52:A:VAL:HG12	1:134:A:GLN:HB3	10	0.24
(1,3135)	1:52:A:VAL:HG13	1:134:A:GLN:HB3	10	0.24
(1,3135)	1:52:A:VAL:HG21	1:134:A:GLN:HB3	10	0.24
(1,3135)	1:52:A:VAL:HG22	1:134:A:GLN:HB3	10	0.24
(1,3135)	1:52:A:VAL:HG23	1:134:A:GLN:HB3	10	0.24
(1,3024)	1:34:A:LEU:HD11	1:150:A:ALA:H	1	0.24
(1,3024)	1:34:A:LEU:HD12	1:150:A:ALA:H	1	0.24
(1,3024)	1:34:A:LEU:HD13	1:150:A:ALA:H	1	0.24
(1,3024)	1:34:A:LEU:HD21	1:150:A:ALA:H	1	0.24
(1,3024)	1:34:A:LEU:HD22	1:150:A:ALA:H	1	0.24
(1,3024)	1:34:A:LEU:HD23	1:150:A:ALA:H	1	0.24
(1,3024)	1:34:A:LEU:HD11	1:150:A:ALA:H	9	0.24
(1,3024)	1:34:A:LEU:HD12	1:150:A:ALA:H	9	0.24
(1,3024)	1:34:A:LEU:HD13	1:150:A:ALA:H	9	0.24
(1,3024)	1:34:A:LEU:HD21	1:150:A:ALA:H	9	0.24
(1,3024)	1:34:A:LEU:HD22	1:150:A:ALA:H	9	0.24
(1,3024)	1:34:A:LEU:HD23	1:150:A:ALA:H	9	0.24
(1,3022)	1:34:A:LEU:HD11	1:137:A:TYR:HE1	19	0.24
(1,3022)	1:34:A:LEU:HD11	1:137:A:TYR:HE2	19	0.24
(1,3022)	1:34:A:LEU:HD12	1:137:A:TYR:HE1	19	0.24
(1,3022)	1:34:A:LEU:HD12	1:137:A:TYR:HE2	19	0.24
(1,3022)	1:34:A:LEU:HD13	1:137:A:TYR:HE1	19	0.24
(1,3022)	1:34:A:LEU:HD13	1:137:A:TYR:HE2	19	0.24
(1,3022)	1:34:A:LEU:HD21	1:137:A:TYR:HE1	19	0.24
(1,3022)	1:34:A:LEU:HD21	1:137:A:TYR:HE2	19	0.24
(1,3022)	1:34:A:LEU:HD22	1:137:A:TYR:HE1	19	0.24
(1,3022)	1:34:A:LEU:HD22	1:137:A:TYR:HE2	19	0.24
(1,3022)	1:34:A:LEU:HD23	1:137:A:TYR:HE1	19	0.24
(1,3022)	1:34:A:LEU:HD23	1:137:A:TYR:HE2	19	0.24
(1,3022)	1:34:A:LEU:HD11	1:137:A:TYR:HE1	20	0.24
(1,3022)	1:34:A:LEU:HD11	1:137:A:TYR:HE2	20	0.24
(1,3022)	1:34:A:LEU:HD12	1:137:A:TYR:HE1	20	0.24
(1,3022)	1:34:A:LEU:HD12	1:137:A:TYR:HE2	20	0.24
(1,3022)	1:34:A:LEU:HD13	1:137:A:TYR:HE1	20	0.24
(1,3022)	1:34:A:LEU:HD13	1:137:A:TYR:HE2	20	0.24
(1,3022)	1:34:A:LEU:HD21	1:137:A:TYR:HE1	20	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3022)	1:34:A:LEU:HD21	1:137:A:TYR:HE2	20	0.24
(1,3022)	1:34:A:LEU:HD22	1:137:A:TYR:HE1	20	0.24
(1,3022)	1:34:A:LEU:HD22	1:137:A:TYR:HE2	20	0.24
(1,3022)	1:34:A:LEU:HD23	1:137:A:TYR:HE1	20	0.24
(1,3022)	1:34:A:LEU:HD23	1:137:A:TYR:HE2	20	0.24
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG11	15	0.24
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG12	15	0.24
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG13	15	0.24
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG21	15	0.24
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG22	15	0.24
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG23	15	0.24
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG11	15	0.24
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG12	15	0.24
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG13	15	0.24
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG21	15	0.24
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG22	15	0.24
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG23	15	0.24
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG11	15	0.24
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG12	15	0.24
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG13	15	0.24
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG21	15	0.24
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG22	15	0.24
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG23	15	0.24
(1,2902)	1:16:A:VAL:HG11	1:18:A:ASN:H	7	0.24
(1,2902)	1:16:A:VAL:HG12	1:18:A:ASN:H	7	0.24
(1,2902)	1:16:A:VAL:HG13	1:18:A:ASN:H	7	0.24
(1,2902)	1:16:A:VAL:HG21	1:18:A:ASN:H	7	0.24
(1,2902)	1:16:A:VAL:HG22	1:18:A:ASN:H	7	0.24
(1,2902)	1:16:A:VAL:HG23	1:18:A:ASN:H	7	0.24
(1,2902)	1:16:A:VAL:HG11	1:18:A:ASN:H	10	0.24
(1,2902)	1:16:A:VAL:HG12	1:18:A:ASN:H	10	0.24
(1,2902)	1:16:A:VAL:HG13	1:18:A:ASN:H	10	0.24
(1,2902)	1:16:A:VAL:HG21	1:18:A:ASN:H	10	0.24
(1,2902)	1:16:A:VAL:HG22	1:18:A:ASN:H	10	0.24
(1,2902)	1:16:A:VAL:HG23	1:18:A:ASN:H	10	0.24
(1,2902)	1:16:A:VAL:HG11	1:18:A:ASN:H	14	0.24
(1,2902)	1:16:A:VAL:HG12	1:18:A:ASN:H	14	0.24
(1,2902)	1:16:A:VAL:HG13	1:18:A:ASN:H	14	0.24
(1,2902)	1:16:A:VAL:HG21	1:18:A:ASN:H	14	0.24
(1,2902)	1:16:A:VAL:HG22	1:18:A:ASN:H	14	0.24
(1,2902)	1:16:A:VAL:HG23	1:18:A:ASN:H	14	0.24
(1,2853)	1:10:A:VAL:HG11	1:32:A:VAL:HA	16	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2853)	1:10:A:VAL:HG12	1:32:A:VAL:HA	16	0.24
(1,2853)	1:10:A:VAL:HG13	1:32:A:VAL:HA	16	0.24
(1,2853)	1:10:A:VAL:HG21	1:32:A:VAL:HA	16	0.24
(1,2853)	1:10:A:VAL:HG22	1:32:A:VAL:HA	16	0.24
(1,2853)	1:10:A:VAL:HG23	1:32:A:VAL:HA	16	0.24
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG11	9	0.24
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG12	9	0.24
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG13	9	0.24
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG21	9	0.24
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG22	9	0.24
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG23	9	0.24
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG11	9	0.24
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG12	9	0.24
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG13	9	0.24
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG21	9	0.24
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG22	9	0.24
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG23	9	0.24
(1,2799)	1:4:A:THR:HG21	1:36:A:GLN:HG2	5	0.24
(1,2799)	1:4:A:THR:HG21	1:36:A:GLN:HG3	5	0.24
(1,2799)	1:4:A:THR:HG22	1:36:A:GLN:HG2	5	0.24
(1,2799)	1:4:A:THR:HG22	1:36:A:GLN:HG3	5	0.24
(1,2799)	1:4:A:THR:HG23	1:36:A:GLN:HG2	5	0.24
(1,2799)	1:4:A:THR:HG23	1:36:A:GLN:HG3	5	0.24
(1,2799)	1:4:A:THR:HG21	1:36:A:GLN:HG2	15	0.24
(1,2799)	1:4:A:THR:HG21	1:36:A:GLN:HG3	15	0.24
(1,2799)	1:4:A:THR:HG22	1:36:A:GLN:HG2	15	0.24
(1,2799)	1:4:A:THR:HG22	1:36:A:GLN:HG3	15	0.24
(1,2799)	1:4:A:THR:HG23	1:36:A:GLN:HG2	15	0.24
(1,2799)	1:4:A:THR:HG23	1:36:A:GLN:HG3	15	0.24
(1,2792)	1:9:A:THR:HG21	1:32:A:VAL:H	10	0.24
(1,2792)	1:9:A:THR:HG22	1:32:A:VAL:H	10	0.24
(1,2792)	1:9:A:THR:HG23	1:32:A:VAL:H	10	0.24
(1,2742)	1:96:A:ALA:HA	1:144:A:THR:H	1	0.24
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB1	10	0.24
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB2	10	0.24
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB3	10	0.24
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB1	19	0.24
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB2	19	0.24
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB3	19	0.24
(1,2717)	1:88:A:LEU:HD21	1:89:A:GLN:H	1	0.24
(1,2717)	1:88:A:LEU:HD22	1:89:A:GLN:H	1	0.24
(1,2717)	1:88:A:LEU:HD23	1:89:A:GLN:H	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD11	14	0.24
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD12	14	0.24
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD13	14	0.24
(1,2601)	1:74:A:LEU:HB2	1:153:A:THR:H	20	0.24
(1,2578)	1:72:A:ALA:H	1:157:A:GLN:H	2	0.24
(1,2560)	1:70:A:ALA:HB1	1:118:A:PHE:H	1	0.24
(1,2560)	1:70:A:ALA:HB2	1:118:A:PHE:H	1	0.24
(1,2560)	1:70:A:ALA:HB3	1:118:A:PHE:H	1	0.24
(1,2551)	1:6:A:ASN:H	1:6:A:ASN:HB3	15	0.24
(1,2551)	1:6:A:ASN:H	1:6:A:ASN:HB3	16	0.24
(1,2549)	1:6:A:ASN:H	1:146:A:GLY:H	4	0.24
(1,2549)	1:6:A:ASN:H	1:146:A:GLY:H	7	0.24
(1,2549)	1:6:A:ASN:H	1:146:A:GLY:H	17	0.24
(1,2549)	1:6:A:ASN:H	1:146:A:GLY:H	18	0.24
(1,2526)	1:66:A:ALA:HA	1:68:A:LYS:H	2	0.24
(1,2526)	1:66:A:ALA:HA	1:68:A:LYS:H	5	0.24
(1,2526)	1:66:A:ALA:HA	1:68:A:LYS:H	14	0.24
(1,2508)	1:61:A:CYS:HB2	1:127:A:GLY:H	3	0.24
(1,2459)	1:55:A:ASN:HA	1:130:A:THR:HG21	2	0.24
(1,2459)	1:55:A:ASN:HA	1:130:A:THR:HG22	2	0.24
(1,2459)	1:55:A:ASN:HA	1:130:A:THR:HG23	2	0.24
(1,2367)	1:42:A:LEU:HA	1:47:A:ALA:H	2	0.24
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG21	15	0.24
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG22	15	0.24
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG23	15	0.24
(1,2357)	1:3:A:THR:HB	1:4:A:THR:H	14	0.24
(1,2350)	1:39:A:THR:HG21	1:145:A:PRO:HG2	12	0.24
(1,2350)	1:39:A:THR:HG22	1:145:A:PRO:HG2	12	0.24
(1,2350)	1:39:A:THR:HG23	1:145:A:PRO:HG2	12	0.24
(1,2350)	1:39:A:THR:HG21	1:145:A:PRO:HG2	17	0.24
(1,2350)	1:39:A:THR:HG22	1:145:A:PRO:HG2	17	0.24
(1,2350)	1:39:A:THR:HG23	1:145:A:PRO:HG2	17	0.24
(1,2229)	1:18:A:ASN:H	1:18:A:ASN:HD21	7	0.24
(1,2202)	1:155:A:LYS:H	1:155:A:LYS:HG3	2	0.24
(1,2202)	1:155:A:LYS:H	1:155:A:LYS:HG2	2	0.24
(1,2202)	1:155:A:LYS:H	1:155:A:LYS:HG3	8	0.24
(1,2202)	1:155:A:LYS:H	1:155:A:LYS:HG2	8	0.24
(1,2202)	1:155:A:LYS:H	1:155:A:LYS:HG3	11	0.24
(1,2202)	1:155:A:LYS:H	1:155:A:LYS:HG2	11	0.24
(1,2202)	1:155:A:LYS:H	1:155:A:LYS:HG3	13	0.24
(1,2202)	1:155:A:LYS:H	1:155:A:LYS:HG2	13	0.24
(1,2170)	1:13:A:LYS:HB2	1:153:A:THR:HA	13	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB1	17	0.24
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB2	17	0.24
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB3	17	0.24
(1,1947)	1:97:A:THR:H	1:144:A:THR:H	6	0.24
(1,1920)	1:89:A:GLN:HA	1:89:A:GLN:HE21	6	0.24
(1,1913)	1:88:A:LEU:H	1:88:A:LEU:HG	1	0.24
(1,1913)	1:88:A:LEU:H	1:88:A:LEU:HG	4	0.24
(1,1913)	1:88:A:LEU:H	1:88:A:LEU:HG	8	0.24
(1,1913)	1:88:A:LEU:H	1:88:A:LEU:HG	10	0.24
(1,1913)	1:88:A:LEU:H	1:88:A:LEU:HG	15	0.24
(1,1913)	1:88:A:LEU:H	1:88:A:LEU:HG	18	0.24
(1,1891)	1:80:A:ALA:HA	1:82:A:HIS:H	15	0.24
(1,1891)	1:80:A:ALA:HA	1:82:A:HIS:H	20	0.24
(1,1872)	1:78:A:ILE:H	1:86:A:LEU:HA	16	0.24
(1,1867)	1:77:A:ALA:HB1	1:82:A:HIS:H	19	0.24
(1,1867)	1:77:A:ALA:HB2	1:82:A:HIS:H	19	0.24
(1,1867)	1:77:A:ALA:HB3	1:82:A:HIS:H	19	0.24
(1,1793)	1:63:A:THR:HB	1:65:A:VAL:H	2	0.24
(1,1793)	1:63:A:THR:HB	1:65:A:VAL:H	3	0.24
(1,1753)	1:51:A:ALA:HB1	1:134:A:GLN:HE22	1	0.24
(1,1753)	1:51:A:ALA:HB2	1:134:A:GLN:HE22	1	0.24
(1,1753)	1:51:A:ALA:HB3	1:134:A:GLN:HE22	1	0.24
(1,1753)	1:51:A:ALA:HB1	1:134:A:GLN:HE22	13	0.24
(1,1753)	1:51:A:ALA:HB2	1:134:A:GLN:HE22	13	0.24
(1,1753)	1:51:A:ALA:HB3	1:134:A:GLN:HE22	13	0.24
(1,1708)	1:42:A:LEU:H	1:47:A:ALA:HB1	3	0.24
(1,1708)	1:42:A:LEU:H	1:47:A:ALA:HB2	3	0.24
(1,1708)	1:42:A:LEU:H	1:47:A:ALA:HB3	3	0.24
(1,1640)	1:18:A:ASN:HD21	1:19:A:ALA:H	19	0.24
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB1	20	0.24
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB2	20	0.24
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB3	20	0.24
(1,1578)	1:137:A:TYR:HB3	1:138:A:PHE:HB2	4	0.24
(1,1578)	1:137:A:TYR:HB3	1:138:A:PHE:HB2	8	0.24
(1,1578)	1:137:A:TYR:HB3	1:138:A:PHE:HB2	9	0.24
(1,1425)	1:98:A:ASN:HD21	1:142:A:ALA:HA	3	0.24
(1,1418)	1:96:A:ALA:HB1	1:144:A:THR:H	16	0.24
(1,1418)	1:96:A:ALA:HB2	1:144:A:THR:H	16	0.24
(1,1418)	1:96:A:ALA:HB3	1:144:A:THR:H	16	0.24
(1,1418)	1:96:A:ALA:HB1	1:144:A:THR:H	19	0.24
(1,1418)	1:96:A:ALA:HB2	1:144:A:THR:H	19	0.24
(1,1418)	1:96:A:ALA:HB3	1:144:A:THR:H	19	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1378)	1:74:A:LEU:HG	1:153:A:THR:H	16	0.24
(1,1355)	1:6:A:ASN:HB3	1:7:A:GLY:H	1	0.24
(1,1322)	1:4:A:THR:HG21	1:36:A:GLN:HG3	16	0.24
(1,1322)	1:4:A:THR:HG22	1:36:A:GLN:HG3	16	0.24
(1,1322)	1:4:A:THR:HG23	1:36:A:GLN:HG3	16	0.24
(1,1295)	1:38:A:ARG:HB2	1:41:A:SER:H	16	0.24
(1,1289)	1:32:A:VAL:HG21	1:55:A:ASN:H	20	0.24
(1,1289)	1:32:A:VAL:HG22	1:55:A:ASN:H	20	0.24
(1,1289)	1:32:A:VAL:HG23	1:55:A:ASN:H	20	0.24
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD11	3	0.24
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD12	3	0.24
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD13	3	0.24
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD21	3	0.24
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD22	3	0.24
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD23	3	0.24
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD11	3	0.24
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD12	3	0.24
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD13	3	0.24
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD21	3	0.24
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD22	3	0.24
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD23	3	0.24
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD11	3	0.24
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD12	3	0.24
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD13	3	0.24
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD21	3	0.24
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD22	3	0.24
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD23	3	0.24
(1,1257)	1:158:A:TYR:H	1:158:A:TYR:HB2	16	0.24
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG21	7	0.24
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG22	7	0.24
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG23	7	0.24
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG21	10	0.24
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG22	10	0.24
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG23	10	0.24
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG21	11	0.24
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG22	11	0.24
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG23	11	0.24
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG21	15	0.24
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG22	15	0.24
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG23	15	0.24
(1,1141)	1:72:A:ALA:HB1	1:73:A:PHE:HD1	1	0.24
(1,1141)	1:72:A:ALA:HB1	1:73:A:PHE:HD2	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1141)	1:72:A:ALA:HB2	1:73:A:PHE:HD1	1	0.24
(1,1141)	1:72:A:ALA:HB2	1:73:A:PHE:HD2	1	0.24
(1,1141)	1:72:A:ALA:HB3	1:73:A:PHE:HD1	1	0.24
(1,1141)	1:72:A:ALA:HB3	1:73:A:PHE:HD2	1	0.24
(1,1098)	1:48:A:THR:HB	1:49:A:SER:H	8	0.24
(1,1068)	1:142:A:ALA:H	1:143:A:ALA:H	5	0.24
(1,1022)	1:91:A:SER:H	1:94:A:GLY:H	10	0.24
(1,998)	1:68:A:LYS:HB2	1:69:A:ALA:H	12	0.24
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB1	8	0.24
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB2	8	0.24
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB3	8	0.24
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB1	11	0.24
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB2	11	0.24
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB3	11	0.24
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB1	15	0.24
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB2	15	0.24
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB3	15	0.24
(1,981)	1:52:A:VAL:HA	1:54:A:PHE:H	12	0.24
(1,877)	1:65:A:VAL:HB	1:66:A:ALA:H	2	0.24
(1,831)	1:154:A:PHE:HD1	1:155:A:LYS:H	10	0.24
(1,831)	1:154:A:PHE:HD2	1:155:A:LYS:H	10	0.24
(1,831)	1:154:A:PHE:HD1	1:155:A:LYS:H	15	0.24
(1,831)	1:154:A:PHE:HD2	1:155:A:LYS:H	15	0.24
(1,830)	1:14:A:GLY:HA2	1:15:A:GLU:HA	18	0.24
(1,815)	1:127:A:GLY:H	1:128:A:THR:H	16	0.24
(1,795)	1:106:A:ARG:HA	1:108:A:GLY:H	8	0.24
(1,795)	1:106:A:ARG:HA	1:108:A:GLY:H	11	0.24
(1,773)	1:86:A:LEU:HD21	1:151:A:ASP:H	4	0.24
(1,773)	1:86:A:LEU:HD22	1:151:A:ASP:H	4	0.24
(1,773)	1:86:A:LEU:HD23	1:151:A:ASP:H	4	0.24
(1,773)	1:86:A:LEU:HD21	1:151:A:ASP:H	7	0.24
(1,773)	1:86:A:LEU:HD22	1:151:A:ASP:H	7	0.24
(1,773)	1:86:A:LEU:HD23	1:151:A:ASP:H	7	0.24
(1,750)	1:55:A:ASN:HA	1:131:A:ILE:H	4	0.24
(1,740)	1:42:A:LEU:HA	1:43:A:ALA:HB1	11	0.24
(1,740)	1:42:A:LEU:HA	1:43:A:ALA:HB2	11	0.24
(1,740)	1:42:A:LEU:HA	1:43:A:ALA:HB3	11	0.24
(1,737)	1:32:A:VAL:HG11	1:34:A:LEU:HA	13	0.24
(1,737)	1:32:A:VAL:HG12	1:34:A:LEU:HA	13	0.24
(1,737)	1:32:A:VAL:HG13	1:34:A:LEU:HA	13	0.24
(1,727)	1:21:A:CYS:HA	1:61:A:CYS:H	2	0.24
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG11	6	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG12	6	0.24
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG13	6	0.24
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB1	18	0.24
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB2	18	0.24
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB3	18	0.24
(1,681)	1:90:A:SER:H	1:91:A:SER:H	13	0.24
(1,669)	1:69:A:ALA:H	1:121:A:GLU:HA	6	0.24
(1,669)	1:69:A:ALA:H	1:121:A:GLU:HA	8	0.24
(1,654)	1:38:A:ARG:HD2	1:40:A:ALA:HB1	7	0.24
(1,654)	1:38:A:ARG:HD2	1:40:A:ALA:HB2	7	0.24
(1,654)	1:38:A:ARG:HD2	1:40:A:ALA:HB3	7	0.24
(1,654)	1:38:A:ARG:HD3	1:40:A:ALA:HB1	7	0.24
(1,654)	1:38:A:ARG:HD3	1:40:A:ALA:HB2	7	0.24
(1,654)	1:38:A:ARG:HD3	1:40:A:ALA:HB3	7	0.24
(1,654)	1:38:A:ARG:HD2	1:40:A:ALA:HB1	10	0.24
(1,654)	1:38:A:ARG:HD2	1:40:A:ALA:HB2	10	0.24
(1,654)	1:38:A:ARG:HD2	1:40:A:ALA:HB3	10	0.24
(1,654)	1:38:A:ARG:HD3	1:40:A:ALA:HB1	10	0.24
(1,654)	1:38:A:ARG:HD3	1:40:A:ALA:HB2	10	0.24
(1,654)	1:38:A:ARG:HD3	1:40:A:ALA:HB3	10	0.24
(1,648)	1:19:A:ALA:H	1:22:A:ALA:HA	4	0.24
(1,567)	1:136:A:ARG:HA	1:137:A:TYR:HE1	12	0.24
(1,567)	1:136:A:ARG:HA	1:137:A:TYR:HE2	12	0.24
(1,563)	1:123:A:THR:HB	1:124:A:LEU:HA	10	0.24
(1,563)	1:123:A:THR:HB	1:124:A:LEU:HA	13	0.24
(1,545)	1:70:A:ALA:HA	1:157:A:GLN:HB3	16	0.24
(1,519)	1:90:A:SER:HA	1:95:A:SER:HA	14	0.24
(1,434)	1:111:A:LEU:HB3	1:119:A:SER:H	14	0.24
(1,377)	1:92:A:ALA:HA	1:94:A:GLY:H	17	0.24
(1,354)	1:99:A:VAL:HG21	1:137:A:TYR:HD1	15	0.24
(1,354)	1:99:A:VAL:HG21	1:137:A:TYR:HD2	15	0.24
(1,354)	1:99:A:VAL:HG22	1:137:A:TYR:HD1	15	0.24
(1,354)	1:99:A:VAL:HG22	1:137:A:TYR:HD2	15	0.24
(1,354)	1:99:A:VAL:HG23	1:137:A:TYR:HD1	15	0.24
(1,354)	1:99:A:VAL:HG23	1:137:A:TYR:HD2	15	0.24
(1,340)	1:63:A:THR:H	1:126:A:ASN:H	5	0.24
(1,340)	1:63:A:THR:H	1:126:A:ASN:H	7	0.24
(1,340)	1:63:A:THR:H	1:126:A:ASN:H	20	0.24
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD1	12	0.24
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD2	12	0.24
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD1	12	0.24
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD2	12	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD1	12	0.24
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD2	12	0.24
(1,299)	1:70:A:ALA:HB1	1:157:A:GLN:HB3	11	0.24
(1,299)	1:70:A:ALA:HB2	1:157:A:GLN:HB3	11	0.24
(1,299)	1:70:A:ALA:HB3	1:157:A:GLN:HB3	11	0.24
(1,295)	1:39:A:THR:HA	1:42:A:LEU:HG	20	0.24
(1,293)	1:16:A:VAL:HA	1:155:A:LYS:HA	10	0.24
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD21	9	0.24
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD22	9	0.24
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD23	9	0.24
(1,242)	1:70:A:ALA:H	1:158:A:TYR:HA	18	0.24
(1,214)	1:13:A:LYS:HD3	1:153:A:THR:HG21	13	0.24
(1,214)	1:13:A:LYS:HD3	1:153:A:THR:HG22	13	0.24
(1,214)	1:13:A:LYS:HD3	1:153:A:THR:HG23	13	0.24
(1,201)	1:41:A:SER:HA	1:47:A:ALA:HB1	12	0.24
(1,201)	1:41:A:SER:HA	1:47:A:ALA:HB2	12	0.24
(1,201)	1:41:A:SER:HA	1:47:A:ALA:HB3	12	0.24
(1,200)	1:32:A:VAL:HA	1:34:A:LEU:H	2	0.24
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB1	2	0.24
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB2	2	0.24
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB3	2	0.24
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB1	5	0.24
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB2	5	0.24
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB3	5	0.24
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB1	16	0.24
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB2	16	0.24
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB3	16	0.24
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG21	20	0.24
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG22	20	0.24
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG23	20	0.24
(1,142)	1:148:A:ALA:H	1:149:A:ASN:HB3	2	0.24
(1,118)	1:19:A:ALA:H	1:21:A:CYS:HA	1	0.24
(1,95)	1:152:A:ALA:HB1	1:154:A:PHE:H	12	0.24
(1,95)	1:152:A:ALA:HB2	1:154:A:PHE:H	12	0.24
(1,95)	1:152:A:ALA:HB3	1:154:A:PHE:H	12	0.24
(1,94)	1:142:A:ALA:HB1	1:144:A:THR:HB	16	0.24
(1,94)	1:142:A:ALA:HB2	1:144:A:THR:HB	16	0.24
(1,94)	1:142:A:ALA:HB3	1:144:A:THR:HB	16	0.24
(1,79)	1:125:A:ASN:HD21	1:129:A:ASN:HD22	2	0.24
(1,63)	1:20:A:ALA:HB1	1:63:A:THR:H	6	0.24
(1,63)	1:20:A:ALA:HB2	1:63:A:THR:H	6	0.24
(1,63)	1:20:A:ALA:HB3	1:63:A:THR:H	6	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,54)	1:74:A:LEU:HG	1:152:A:ALA:HA	13	0.24
(1,42)	1:156:A:VAL:HA	1:158:A:TYR:H	1	0.24
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG21	2	0.24
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG22	2	0.24
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG23	2	0.24
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG21	2	0.24
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG22	2	0.24
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG23	2	0.24
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG21	2	0.24
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG22	2	0.24
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG23	2	0.24
(1,29)	1:45:A:GLU:HA	1:138:A:PHE:HD1	19	0.24
(1,29)	1:45:A:GLU:HA	1:138:A:PHE:HD2	19	0.24
(1,19)	1:57:A:GLN:HE22	1:128:A:THR:HG21	15	0.24
(1,19)	1:57:A:GLN:HE22	1:128:A:THR:HG22	15	0.24
(1,19)	1:57:A:GLN:HE22	1:128:A:THR:HG23	15	0.24
(1,3449)	1:106:A:ARG:HA	1:119:A:SER:HB2	8	0.23
(1,3449)	1:106:A:ARG:HA	1:119:A:SER:HB3	8	0.23
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD11	9	0.23
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD12	9	0.23
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD13	9	0.23
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD21	9	0.23
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD22	9	0.23
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD23	9	0.23
(1,3392)	1:99:A:VAL:HG11	1:137:A:TYR:HE1	11	0.23
(1,3392)	1:99:A:VAL:HG11	1:137:A:TYR:HE2	11	0.23
(1,3392)	1:99:A:VAL:HG12	1:137:A:TYR:HE1	11	0.23
(1,3392)	1:99:A:VAL:HG12	1:137:A:TYR:HE2	11	0.23
(1,3392)	1:99:A:VAL:HG13	1:137:A:TYR:HE1	11	0.23
(1,3392)	1:99:A:VAL:HG13	1:137:A:TYR:HE2	11	0.23
(1,3392)	1:99:A:VAL:HG21	1:137:A:TYR:HE1	11	0.23
(1,3392)	1:99:A:VAL:HG21	1:137:A:TYR:HE2	11	0.23
(1,3392)	1:99:A:VAL:HG22	1:137:A:TYR:HE1	11	0.23
(1,3392)	1:99:A:VAL:HG22	1:137:A:TYR:HE2	11	0.23
(1,3392)	1:99:A:VAL:HG23	1:137:A:TYR:HE1	11	0.23
(1,3392)	1:99:A:VAL:HG23	1:137:A:TYR:HE2	11	0.23
(1,3378)	1:94:A:GLY:HA2	1:147:A:ALA:HB1	8	0.23
(1,3378)	1:94:A:GLY:HA2	1:147:A:ALA:HB2	8	0.23
(1,3378)	1:94:A:GLY:HA2	1:147:A:ALA:HB3	8	0.23
(1,3378)	1:94:A:GLY:HA3	1:147:A:ALA:HB1	8	0.23
(1,3378)	1:94:A:GLY:HA3	1:147:A:ALA:HB2	8	0.23
(1,3378)	1:94:A:GLY:HA3	1:147:A:ALA:HB3	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3318)	1:85:A:VAL:HA	1:102:A:GLN:HG2	3	0.23
(1,3318)	1:85:A:VAL:HA	1:102:A:GLN:HG3	3	0.23
(1,3269)	1:71:A:VAL:HG11	1:155:A:LYS:H	6	0.23
(1,3269)	1:71:A:VAL:HG12	1:155:A:LYS:H	6	0.23
(1,3269)	1:71:A:VAL:HG13	1:155:A:LYS:H	6	0.23
(1,3269)	1:71:A:VAL:HG21	1:155:A:LYS:H	6	0.23
(1,3269)	1:71:A:VAL:HG22	1:155:A:LYS:H	6	0.23
(1,3269)	1:71:A:VAL:HG23	1:155:A:LYS:H	6	0.23
(1,3269)	1:71:A:VAL:HG11	1:155:A:LYS:H	12	0.23
(1,3269)	1:71:A:VAL:HG12	1:155:A:LYS:H	12	0.23
(1,3269)	1:71:A:VAL:HG13	1:155:A:LYS:H	12	0.23
(1,3269)	1:71:A:VAL:HG21	1:155:A:LYS:H	12	0.23
(1,3269)	1:71:A:VAL:HG22	1:155:A:LYS:H	12	0.23
(1,3269)	1:71:A:VAL:HG23	1:155:A:LYS:H	12	0.23
(1,3269)	1:71:A:VAL:HG11	1:155:A:LYS:H	16	0.23
(1,3269)	1:71:A:VAL:HG12	1:155:A:LYS:H	16	0.23
(1,3269)	1:71:A:VAL:HG13	1:155:A:LYS:H	16	0.23
(1,3269)	1:71:A:VAL:HG21	1:155:A:LYS:H	16	0.23
(1,3269)	1:71:A:VAL:HG22	1:155:A:LYS:H	16	0.23
(1,3269)	1:71:A:VAL:HG23	1:155:A:LYS:H	16	0.23
(1,3176)	1:58:A:LEU:HD11	1:131:A:ILE:HG13	3	0.23
(1,3176)	1:58:A:LEU:HD12	1:131:A:ILE:HG13	3	0.23
(1,3176)	1:58:A:LEU:HD13	1:131:A:ILE:HG13	3	0.23
(1,3176)	1:58:A:LEU:HD21	1:131:A:ILE:HG13	3	0.23
(1,3176)	1:58:A:LEU:HD22	1:131:A:ILE:HG13	3	0.23
(1,3176)	1:58:A:LEU:HD23	1:131:A:ILE:HG13	3	0.23
(1,3140)	1:54:A:PHE:HA	1:55:A:ASN:HD21	1	0.23
(1,3140)	1:54:A:PHE:HA	1:55:A:ASN:HD22	1	0.23
(1,3135)	1:52:A:VAL:HG11	1:134:A:GLN:HB3	18	0.23
(1,3135)	1:52:A:VAL:HG12	1:134:A:GLN:HB3	18	0.23
(1,3135)	1:52:A:VAL:HG13	1:134:A:GLN:HB3	18	0.23
(1,3135)	1:52:A:VAL:HG21	1:134:A:GLN:HB3	18	0.23
(1,3135)	1:52:A:VAL:HG22	1:134:A:GLN:HB3	18	0.23
(1,3135)	1:52:A:VAL:HG23	1:134:A:GLN:HB3	18	0.23
(1,3123)	1:51:A:ALA:HA	1:136:A:ARG:HD2	7	0.23
(1,3123)	1:51:A:ALA:HA	1:136:A:ARG:HD3	7	0.23
(1,2988)	1:28:A:VAL:HG11	1:154:A:PHE:HE1	1	0.23
(1,2988)	1:28:A:VAL:HG11	1:154:A:PHE:HE2	1	0.23
(1,2988)	1:28:A:VAL:HG12	1:154:A:PHE:HE1	1	0.23
(1,2988)	1:28:A:VAL:HG12	1:154:A:PHE:HE2	1	0.23
(1,2988)	1:28:A:VAL:HG13	1:154:A:PHE:HE1	1	0.23
(1,2988)	1:28:A:VAL:HG13	1:154:A:PHE:HE2	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2988)	1:28:A:VAL:HG21	1:154:A:PHE:HE1	1	0.23
(1,2988)	1:28:A:VAL:HG21	1:154:A:PHE:HE2	1	0.23
(1,2988)	1:28:A:VAL:HG22	1:154:A:PHE:HE1	1	0.23
(1,2988)	1:28:A:VAL:HG22	1:154:A:PHE:HE2	1	0.23
(1,2988)	1:28:A:VAL:HG23	1:154:A:PHE:HE1	1	0.23
(1,2988)	1:28:A:VAL:HG23	1:154:A:PHE:HE2	1	0.23
(1,2988)	1:28:A:VAL:HG11	1:154:A:PHE:HE1	17	0.23
(1,2988)	1:28:A:VAL:HG11	1:154:A:PHE:HE2	17	0.23
(1,2988)	1:28:A:VAL:HG12	1:154:A:PHE:HE1	17	0.23
(1,2988)	1:28:A:VAL:HG12	1:154:A:PHE:HE2	17	0.23
(1,2988)	1:28:A:VAL:HG13	1:154:A:PHE:HE1	17	0.23
(1,2988)	1:28:A:VAL:HG13	1:154:A:PHE:HE2	17	0.23
(1,2988)	1:28:A:VAL:HG21	1:154:A:PHE:HE1	17	0.23
(1,2988)	1:28:A:VAL:HG21	1:154:A:PHE:HE2	17	0.23
(1,2988)	1:28:A:VAL:HG22	1:154:A:PHE:HE1	17	0.23
(1,2988)	1:28:A:VAL:HG22	1:154:A:PHE:HE2	17	0.23
(1,2988)	1:28:A:VAL:HG23	1:154:A:PHE:HE1	17	0.23
(1,2988)	1:28:A:VAL:HG23	1:154:A:PHE:HE2	17	0.23
(1,2952)	1:23:A:VAL:HG11	1:29:A:ASP:H	2	0.23
(1,2952)	1:23:A:VAL:HG12	1:29:A:ASP:H	2	0.23
(1,2952)	1:23:A:VAL:HG13	1:29:A:ASP:H	2	0.23
(1,2952)	1:23:A:VAL:HG21	1:29:A:ASP:H	2	0.23
(1,2952)	1:23:A:VAL:HG22	1:29:A:ASP:H	2	0.23
(1,2952)	1:23:A:VAL:HG23	1:29:A:ASP:H	2	0.23
(1,2916)	1:18:A:ASN:H	1:18:A:ASN:HB2	8	0.23
(1,2916)	1:18:A:ASN:H	1:18:A:ASN:HB3	8	0.23
(1,2916)	1:18:A:ASN:H	1:18:A:ASN:HB2	15	0.23
(1,2916)	1:18:A:ASN:H	1:18:A:ASN:HB3	15	0.23
(1,2902)	1:16:A:VAL:HG11	1:18:A:ASN:H	12	0.23
(1,2902)	1:16:A:VAL:HG12	1:18:A:ASN:H	12	0.23
(1,2902)	1:16:A:VAL:HG13	1:18:A:ASN:H	12	0.23
(1,2902)	1:16:A:VAL:HG21	1:18:A:ASN:H	12	0.23
(1,2902)	1:16:A:VAL:HG22	1:18:A:ASN:H	12	0.23
(1,2902)	1:16:A:VAL:HG23	1:18:A:ASN:H	12	0.23
(1,2902)	1:16:A:VAL:HG11	1:18:A:ASN:H	16	0.23
(1,2902)	1:16:A:VAL:HG12	1:18:A:ASN:H	16	0.23
(1,2902)	1:16:A:VAL:HG13	1:18:A:ASN:H	16	0.23
(1,2902)	1:16:A:VAL:HG21	1:18:A:ASN:H	16	0.23
(1,2902)	1:16:A:VAL:HG22	1:18:A:ASN:H	16	0.23
(1,2902)	1:16:A:VAL:HG23	1:18:A:ASN:H	16	0.23
(1,2800)	1:4:A:THR:HG21	1:36:A:GLN:HE21	5	0.23
(1,2800)	1:4:A:THR:HG21	1:36:A:GLN:HE22	5	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2800)	1:4:A:THR:HG22	1:36:A:GLN:HE21	5	0.23
(1,2800)	1:4:A:THR:HG22	1:36:A:GLN:HE22	5	0.23
(1,2800)	1:4:A:THR:HG23	1:36:A:GLN:HE21	5	0.23
(1,2800)	1:4:A:THR:HG23	1:36:A:GLN:HE22	5	0.23
(1,2800)	1:4:A:THR:HG21	1:36:A:GLN:HE21	15	0.23
(1,2800)	1:4:A:THR:HG21	1:36:A:GLN:HE22	15	0.23
(1,2800)	1:4:A:THR:HG22	1:36:A:GLN:HE21	15	0.23
(1,2800)	1:4:A:THR:HG22	1:36:A:GLN:HE22	15	0.23
(1,2800)	1:4:A:THR:HG23	1:36:A:GLN:HE21	15	0.23
(1,2800)	1:4:A:THR:HG23	1:36:A:GLN:HE22	15	0.23
(1,2799)	1:4:A:THR:HG21	1:36:A:GLN:HG2	11	0.23
(1,2799)	1:4:A:THR:HG21	1:36:A:GLN:HG3	11	0.23
(1,2799)	1:4:A:THR:HG22	1:36:A:GLN:HG2	11	0.23
(1,2799)	1:4:A:THR:HG22	1:36:A:GLN:HG3	11	0.23
(1,2799)	1:4:A:THR:HG23	1:36:A:GLN:HG2	11	0.23
(1,2799)	1:4:A:THR:HG23	1:36:A:GLN:HG3	11	0.23
(1,2771)	1:99:A:VAL:H	1:139:A:ALA:HA	7	0.23
(1,2771)	1:99:A:VAL:H	1:139:A:ALA:HA	8	0.23
(1,2771)	1:99:A:VAL:H	1:139:A:ALA:HA	17	0.23
(1,2766)	1:98:A:ASN:HD22	1:142:A:ALA:H	10	0.23
(1,2709)	1:87:A:ALA:HA	1:88:A:LEU:HG	7	0.23
(1,2612)	1:75:A:GLY:HA2	1:86:A:LEU:HD11	10	0.23
(1,2612)	1:75:A:GLY:HA2	1:86:A:LEU:HD12	10	0.23
(1,2612)	1:75:A:GLY:HA2	1:86:A:LEU:HD13	10	0.23
(1,2601)	1:74:A:LEU:HB2	1:153:A:THR:H	16	0.23
(1,2560)	1:70:A:ALA:HB1	1:118:A:PHE:H	2	0.23
(1,2560)	1:70:A:ALA:HB2	1:118:A:PHE:H	2	0.23
(1,2560)	1:70:A:ALA:HB3	1:118:A:PHE:H	2	0.23
(1,2551)	1:6:A:ASN:H	1:6:A:ASN:HB3	1	0.23
(1,2549)	1:6:A:ASN:H	1:146:A:GLY:H	11	0.23
(1,2549)	1:6:A:ASN:H	1:146:A:GLY:H	20	0.23
(1,2532)	1:66:A:ALA:HB1	1:68:A:LYS:H	1	0.23
(1,2532)	1:66:A:ALA:HB2	1:68:A:LYS:H	1	0.23
(1,2532)	1:66:A:ALA:HB3	1:68:A:LYS:H	1	0.23
(1,2532)	1:66:A:ALA:HB1	1:68:A:LYS:H	4	0.23
(1,2532)	1:66:A:ALA:HB2	1:68:A:LYS:H	4	0.23
(1,2532)	1:66:A:ALA:HB3	1:68:A:LYS:H	4	0.23
(1,2532)	1:66:A:ALA:HB1	1:68:A:LYS:H	8	0.23
(1,2532)	1:66:A:ALA:HB2	1:68:A:LYS:H	8	0.23
(1,2532)	1:66:A:ALA:HB3	1:68:A:LYS:H	8	0.23
(1,2532)	1:66:A:ALA:HB1	1:68:A:LYS:H	10	0.23
(1,2532)	1:66:A:ALA:HB2	1:68:A:LYS:H	10	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2532)	1:66:A:ALA:HB3	1:68:A:LYS:H	10	0.23
(1,2532)	1:66:A:ALA:HB1	1:68:A:LYS:H	14	0.23
(1,2532)	1:66:A:ALA:HB2	1:68:A:LYS:H	14	0.23
(1,2532)	1:66:A:ALA:HB3	1:68:A:LYS:H	14	0.23
(1,2532)	1:66:A:ALA:HB1	1:68:A:LYS:H	19	0.23
(1,2532)	1:66:A:ALA:HB2	1:68:A:LYS:H	19	0.23
(1,2532)	1:66:A:ALA:HB3	1:68:A:LYS:H	19	0.23
(1,2513)	1:63:A:THR:HA	1:65:A:VAL:H	5	0.23
(1,2508)	1:61:A:CYS:HB2	1:127:A:GLY:H	17	0.23
(1,2452)	1:53:A:GLY:H	1:134:A:GLN:HA	9	0.23
(1,2439)	1:51:A:ALA:HA	1:135:A:ALA:H	16	0.23
(1,2403)	1:45:A:GLU:HB3	1:141:A:GLY:H	18	0.23
(1,2382)	1:43:A:ALA:H	1:47:A:ALA:HA	5	0.23
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG21	11	0.23
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG22	11	0.23
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG23	11	0.23
(1,2357)	1:3:A:THR:HB	1:4:A:THR:H	20	0.23
(1,2312)	1:32:A:VAL:HG11	1:52:A:VAL:H	7	0.23
(1,2312)	1:32:A:VAL:HG12	1:52:A:VAL:H	7	0.23
(1,2312)	1:32:A:VAL:HG13	1:52:A:VAL:H	7	0.23
(1,2310)	1:32:A:VAL:HG11	1:135:A:ALA:H	15	0.23
(1,2310)	1:32:A:VAL:HG12	1:135:A:ALA:H	15	0.23
(1,2310)	1:32:A:VAL:HG13	1:135:A:ALA:H	15	0.23
(1,2204)	1:155:A:LYS:HB2	1:156:A:VAL:H	9	0.23
(1,2204)	1:155:A:LYS:HB2	1:156:A:VAL:H	20	0.23
(1,2202)	1:155:A:LYS:H	1:155:A:LYS:HG3	10	0.23
(1,2202)	1:155:A:LYS:H	1:155:A:LYS:HG2	10	0.23
(1,2202)	1:155:A:LYS:H	1:155:A:LYS:HG3	18	0.23
(1,2202)	1:155:A:LYS:H	1:155:A:LYS:HG2	18	0.23
(1,2191)	1:149:A:ASN:HD21	1:150:A:ALA:H	1	0.23
(1,2124)	1:130:A:THR:HB	1:131:A:ILE:H	18	0.23
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB1	9	0.23
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB2	9	0.23
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB3	9	0.23
(1,1962)	1:98:A:ASN:HD21	1:142:A:ALA:H	4	0.23
(1,1962)	1:98:A:ASN:HD21	1:142:A:ALA:H	13	0.23
(1,1961)	1:98:A:ASN:HD21	1:141:A:GLY:HA3	5	0.23
(1,1961)	1:98:A:ASN:HD21	1:141:A:GLY:HA3	12	0.23
(1,1948)	1:97:A:THR:H	1:148:A:ALA:HB1	10	0.23
(1,1948)	1:97:A:THR:H	1:148:A:ALA:HB2	10	0.23
(1,1948)	1:97:A:THR:H	1:148:A:ALA:HB3	10	0.23
(1,1919)	1:89:A:GLN:H	1:90:A:SER:HA	16	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1886)	1:79:A:ASP:H	1:82:A:HIS:H	5	0.23
(1,1878)	1:78:A:ILE:HD11	1:87:A:ALA:HA	16	0.23
(1,1878)	1:78:A:ILE:HD12	1:87:A:ALA:HA	16	0.23
(1,1878)	1:78:A:ILE:HD13	1:87:A:ALA:HA	16	0.23
(1,1867)	1:77:A:ALA:HB1	1:82:A:HIS:H	9	0.23
(1,1867)	1:77:A:ALA:HB2	1:82:A:HIS:H	9	0.23
(1,1867)	1:77:A:ALA:HB3	1:82:A:HIS:H	9	0.23
(1,1753)	1:51:A:ALA:HB1	1:134:A:GLN:HE22	8	0.23
(1,1753)	1:51:A:ALA:HB2	1:134:A:GLN:HE22	8	0.23
(1,1753)	1:51:A:ALA:HB3	1:134:A:GLN:HE22	8	0.23
(1,1733)	1:48:A:THR:HB	1:136:A:ARG:HG2	19	0.23
(1,1733)	1:48:A:THR:HB	1:136:A:ARG:HG3	19	0.23
(1,1723)	1:47:A:ALA:H	1:141:A:GLY:H	13	0.23
(1,1704)	1:41:A:SER:H	1:41:A:SER:HB3	12	0.23
(1,1704)	1:41:A:SER:H	1:41:A:SER:HB3	16	0.23
(1,1704)	1:41:A:SER:H	1:41:A:SER:HB3	17	0.23
(1,1700)	1:3:A:THR:HB	1:145:A:PRO:HG3	13	0.23
(1,1669)	1:28:A:VAL:HG11	1:29:A:ASP:HB3	9	0.23
(1,1669)	1:28:A:VAL:HG12	1:29:A:ASP:HB3	9	0.23
(1,1669)	1:28:A:VAL:HG13	1:29:A:ASP:HB3	9	0.23
(1,1650)	1:22:A:ALA:H	1:61:A:CYS:HA	20	0.23
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB1	9	0.23
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB2	9	0.23
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB3	9	0.23
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE1	8	0.23
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE2	8	0.23
(1,1578)	1:137:A:TYR:HB3	1:138:A:PHE:HB2	16	0.23
(1,1546)	1:126:A:ASN:HB2	1:127:A:GLY:H	4	0.23
(1,1440)	1:102:A:GLN:HB3	1:103:A:ILE:H	7	0.23
(1,1440)	1:102:A:GLN:HB3	1:103:A:ILE:H	19	0.23
(1,1382)	1:76:A:THR:H	1:86:A:LEU:HA	9	0.23
(1,1382)	1:76:A:THR:H	1:86:A:LEU:HA	12	0.23
(1,1382)	1:76:A:THR:H	1:86:A:LEU:HA	14	0.23
(1,1382)	1:76:A:THR:H	1:86:A:LEU:HA	20	0.23
(1,1377)	1:74:A:LEU:HB3	1:153:A:THR:HB	6	0.23
(1,1361)	1:72:A:ALA:HB1	1:111:A:LEU:HD21	15	0.23
(1,1361)	1:72:A:ALA:HB1	1:111:A:LEU:HD22	15	0.23
(1,1361)	1:72:A:ALA:HB1	1:111:A:LEU:HD23	15	0.23
(1,1361)	1:72:A:ALA:HB2	1:111:A:LEU:HD21	15	0.23
(1,1361)	1:72:A:ALA:HB2	1:111:A:LEU:HD22	15	0.23
(1,1361)	1:72:A:ALA:HB2	1:111:A:LEU:HD23	15	0.23
(1,1361)	1:72:A:ALA:HB3	1:111:A:LEU:HD21	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1361)	1:72:A:ALA:HB3	1:111:A:LEU:HD22	15	0.23
(1,1361)	1:72:A:ALA:HB3	1:111:A:LEU:HD23	15	0.23
(1,1361)	1:72:A:ALA:HB1	1:111:A:LEU:HD21	16	0.23
(1,1361)	1:72:A:ALA:HB1	1:111:A:LEU:HD22	16	0.23
(1,1361)	1:72:A:ALA:HB1	1:111:A:LEU:HD23	16	0.23
(1,1361)	1:72:A:ALA:HB2	1:111:A:LEU:HD21	16	0.23
(1,1361)	1:72:A:ALA:HB2	1:111:A:LEU:HD22	16	0.23
(1,1361)	1:72:A:ALA:HB2	1:111:A:LEU:HD23	16	0.23
(1,1361)	1:72:A:ALA:HB3	1:111:A:LEU:HD21	16	0.23
(1,1361)	1:72:A:ALA:HB3	1:111:A:LEU:HD22	16	0.23
(1,1361)	1:72:A:ALA:HB3	1:111:A:LEU:HD23	16	0.23
(1,1349)	1:67:A:SER:HA	1:123:A:THR:HA	15	0.23
(1,1309)	1:43:A:ALA:H	1:47:A:ALA:H	3	0.23
(1,1308)	1:43:A:ALA:H	1:139:A:ALA:HB1	20	0.23
(1,1308)	1:43:A:ALA:H	1:139:A:ALA:HB2	20	0.23
(1,1308)	1:43:A:ALA:H	1:139:A:ALA:HB3	20	0.23
(1,1302)	1:3:A:THR:HG21	1:145:A:PRO:HG3	9	0.23
(1,1302)	1:3:A:THR:HG22	1:145:A:PRO:HG3	9	0.23
(1,1302)	1:3:A:THR:HG23	1:145:A:PRO:HG3	9	0.23
(1,1296)	1:39:A:THR:HA	1:144:A:THR:HA	7	0.23
(1,1286)	1:30:A:GLN:HB3	1:31:A:THR:H	14	0.23
(1,1284)	1:29:A:ASP:H	1:30:A:GLN:HE21	8	0.23
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD11	15	0.23
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD12	15	0.23
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD13	15	0.23
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD21	15	0.23
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD22	15	0.23
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD23	15	0.23
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD11	15	0.23
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD12	15	0.23
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD13	15	0.23
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD21	15	0.23
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD22	15	0.23
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD23	15	0.23
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD11	15	0.23
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD12	15	0.23
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD13	15	0.23
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD21	15	0.23
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD22	15	0.23
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD23	15	0.23
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD11	18	0.23
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD12	18	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD13	18	0.23
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD21	18	0.23
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD22	18	0.23
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD23	18	0.23
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD11	18	0.23
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD12	18	0.23
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD13	18	0.23
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD21	18	0.23
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD22	18	0.23
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD23	18	0.23
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD11	18	0.23
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD12	18	0.23
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD13	18	0.23
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD21	18	0.23
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD22	18	0.23
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD23	18	0.23
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB2	18	0.23
(1,1168)	1:94:A:GLY:H	1:95:A:SER:HB3	18	0.23
(1,1085)	1:34:A:LEU:HA	1:52:A:VAL:HB	2	0.23
(1,1068)	1:142:A:ALA:H	1:143:A:ALA:H	3	0.23
(1,1033)	1:104:A:LEU:H	1:136:A:ARG:H	3	0.23
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB1	1	0.23
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB2	1	0.23
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB3	1	0.23
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB1	5	0.23
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB2	5	0.23
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB3	5	0.23
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB1	12	0.23
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB2	12	0.23
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB3	12	0.23
(1,974)	1:46:A:GLY:H	1:141:A:GLY:H	18	0.23
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG21	14	0.23
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG22	14	0.23
(1,942)	1:12:A:PHE:HE1	1:32:A:VAL:HG23	14	0.23
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG21	14	0.23
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG22	14	0.23
(1,942)	1:12:A:PHE:HE2	1:32:A:VAL:HG23	14	0.23
(1,928)	1:116:A:ALA:HA	1:117:A:THR:HB	12	0.23
(1,878)	1:67:A:SER:H	1:159:A:GLN:H	6	0.23
(1,831)	1:154:A:PHE:HD1	1:155:A:LYS:H	20	0.23
(1,831)	1:154:A:PHE:HD2	1:155:A:LYS:H	20	0.23
(1,830)	1:14:A:GLY:HA2	1:15:A:GLU:HA	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,773)	1:86:A:LEU:HD21	1:151:A:ASP:H	5	0.23
(1,773)	1:86:A:LEU:HD22	1:151:A:ASP:H	5	0.23
(1,773)	1:86:A:LEU:HD23	1:151:A:ASP:H	5	0.23
(1,773)	1:86:A:LEU:HD21	1:151:A:ASP:H	11	0.23
(1,773)	1:86:A:LEU:HD22	1:151:A:ASP:H	11	0.23
(1,773)	1:86:A:LEU:HD23	1:151:A:ASP:H	11	0.23
(1,750)	1:55:A:ASN:HA	1:131:A:ILE:H	9	0.23
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG11	7	0.23
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG12	7	0.23
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG13	7	0.23
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG11	9	0.23
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG12	9	0.23
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG13	9	0.23
(1,683)	1:9:A:THR:H	1:149:A:ASN:H	9	0.23
(1,670)	1:70:A:ALA:HB1	1:121:A:GLU:HG2	1	0.23
(1,670)	1:70:A:ALA:HB2	1:121:A:GLU:HG2	1	0.23
(1,670)	1:70:A:ALA:HB3	1:121:A:GLU:HG2	1	0.23
(1,669)	1:69:A:ALA:H	1:121:A:GLU:HA	9	0.23
(1,669)	1:69:A:ALA:H	1:121:A:GLU:HA	20	0.23
(1,632)	1:127:A:GLY:HA3	1:128:A:THR:HB	20	0.23
(1,549)	1:74:A:LEU:HD21	1:155:A:LYS:HE2	16	0.23
(1,549)	1:74:A:LEU:HD21	1:155:A:LYS:HE3	16	0.23
(1,549)	1:74:A:LEU:HD22	1:155:A:LYS:HE2	16	0.23
(1,549)	1:74:A:LEU:HD22	1:155:A:LYS:HE3	16	0.23
(1,549)	1:74:A:LEU:HD23	1:155:A:LYS:HE2	16	0.23
(1,549)	1:74:A:LEU:HD23	1:155:A:LYS:HE3	16	0.23
(1,545)	1:70:A:ALA:HA	1:157:A:GLN:HB3	18	0.23
(1,517)	1:88:A:LEU:HD21	1:149:A:ASN:H	16	0.23
(1,517)	1:88:A:LEU:HD22	1:149:A:ASN:H	16	0.23
(1,517)	1:88:A:LEU:HD23	1:149:A:ASN:H	16	0.23
(1,512)	1:82:A:HIS:HB2	1:85:A:VAL:H	4	0.23
(1,493)	1:18:A:ASN:H	1:18:A:ASN:HB2	2	0.23
(1,489)	1:14:A:GLY:HA2	1:153:A:THR:HA	20	0.23
(1,472)	1:93:A:ALA:HB1	1:95:A:SER:H	17	0.23
(1,472)	1:93:A:ALA:HB2	1:95:A:SER:H	17	0.23
(1,472)	1:93:A:ALA:HB3	1:95:A:SER:H	17	0.23
(1,434)	1:111:A:LEU:HB3	1:119:A:SER:H	12	0.23
(1,377)	1:92:A:ALA:HA	1:94:A:GLY:H	3	0.23
(1,359)	1:113:A:LEU:HD11	1:151:A:ASP:H	19	0.23
(1,359)	1:113:A:LEU:HD12	1:151:A:ASP:H	19	0.23
(1,359)	1:113:A:LEU:HD13	1:151:A:ASP:H	19	0.23
(1,359)	1:113:A:LEU:HD21	1:151:A:ASP:H	19	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,359)	1:113:A:LEU:HD22	1:151:A:ASP:H	19	0.23
(1,359)	1:113:A:LEU:HD23	1:151:A:ASP:H	19	0.23
(1,353)	1:99:A:VAL:HG21	1:100:A:GLY:H	7	0.23
(1,353)	1:99:A:VAL:HG22	1:100:A:GLY:H	7	0.23
(1,353)	1:99:A:VAL:HG23	1:100:A:GLY:H	7	0.23
(1,340)	1:63:A:THR:H	1:126:A:ASN:H	10	0.23
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB1	8	0.23
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB2	8	0.23
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB3	8	0.23
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB1	11	0.23
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB2	11	0.23
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB3	11	0.23
(1,315)	1:72:A:ALA:HA	1:111:A:LEU:HB3	1	0.23
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD1	6	0.23
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD2	6	0.23
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD1	6	0.23
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD2	6	0.23
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD1	6	0.23
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD2	6	0.23
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD1	16	0.23
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD2	16	0.23
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD1	16	0.23
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD2	16	0.23
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD1	16	0.23
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD2	16	0.23
(1,232)	1:32:A:VAL:HA	1:33:A:GLN:HB2	5	0.23
(1,201)	1:41:A:SER:HA	1:47:A:ALA:HB1	4	0.23
(1,201)	1:41:A:SER:HA	1:47:A:ALA:HB2	4	0.23
(1,201)	1:41:A:SER:HA	1:47:A:ALA:HB3	4	0.23
(1,201)	1:41:A:SER:HA	1:47:A:ALA:HB1	5	0.23
(1,201)	1:41:A:SER:HA	1:47:A:ALA:HB2	5	0.23
(1,201)	1:41:A:SER:HA	1:47:A:ALA:HB3	5	0.23
(1,200)	1:32:A:VAL:HA	1:34:A:LEU:H	7	0.23
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB1	3	0.23
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB2	3	0.23
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB3	3	0.23
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB1	6	0.23
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB2	6	0.23
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB3	6	0.23
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB1	7	0.23
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB2	7	0.23
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB3	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG21	19	0.23
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG22	19	0.23
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG23	19	0.23
(1,158)	1:103:A:ILE:HB	1:111:A:LEU:H	7	0.23
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG21	9	0.23
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG22	9	0.23
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG23	9	0.23
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG21	9	0.23
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG22	9	0.23
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG23	9	0.23
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG21	9	0.23
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG22	9	0.23
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG23	9	0.23
(1,85)	1:100:A:GLY:H	1:138:A:PHE:HD1	4	0.23
(1,85)	1:100:A:GLY:H	1:138:A:PHE:HD2	4	0.23
(1,81)	1:71:A:VAL:H	1:156:A:VAL:HG11	7	0.23
(1,81)	1:71:A:VAL:H	1:156:A:VAL:HG12	7	0.23
(1,81)	1:71:A:VAL:H	1:156:A:VAL:HG13	7	0.23
(1,54)	1:74:A:LEU:HG	1:152:A:ALA:HA	14	0.23
(1,42)	1:156:A:VAL:HA	1:158:A:TYR:H	13	0.23
(1,39)	1:100:A:GLY:H	1:139:A:ALA:H	7	0.23
(1,3)	1:12:A:PHE:HZ	1:73:A:PHE:HZ	2	0.23
(1,3)	1:12:A:PHE:HZ	1:73:A:PHE:HZ	3	0.23
(1,3)	1:12:A:PHE:HZ	1:73:A:PHE:HZ	9	0.23
(1,3468)	1:118:A:PHE:HD1	1:157:A:GLN:HG2	5	0.22
(1,3468)	1:118:A:PHE:HD1	1:157:A:GLN:HG3	5	0.22
(1,3468)	1:118:A:PHE:HD2	1:157:A:GLN:HG2	5	0.22
(1,3468)	1:118:A:PHE:HD2	1:157:A:GLN:HG3	5	0.22
(1,3449)	1:106:A:ARG:HA	1:119:A:SER:HB2	10	0.22
(1,3449)	1:106:A:ARG:HA	1:119:A:SER:HB3	10	0.22
(1,3449)	1:106:A:ARG:HA	1:119:A:SER:HB2	13	0.22
(1,3449)	1:106:A:ARG:HA	1:119:A:SER:HB3	13	0.22
(1,3449)	1:106:A:ARG:HA	1:119:A:SER:HB2	18	0.22
(1,3449)	1:106:A:ARG:HA	1:119:A:SER:HB3	18	0.22
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD11	10	0.22
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD12	10	0.22
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD13	10	0.22
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD21	10	0.22
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD22	10	0.22
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD23	10	0.22
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD11	16	0.22
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD12	16	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD13	16	0.22
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD21	16	0.22
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD22	16	0.22
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD23	16	0.22
(1,3402)	1:100:A:GLY:HA3	1:102:A:GLN:HG2	10	0.22
(1,3402)	1:100:A:GLY:HA3	1:102:A:GLN:HG3	10	0.22
(1,3393)	1:99:A:VAL:HG11	1:138:A:PHE:H	14	0.22
(1,3393)	1:99:A:VAL:HG12	1:138:A:PHE:H	14	0.22
(1,3393)	1:99:A:VAL:HG13	1:138:A:PHE:H	14	0.22
(1,3393)	1:99:A:VAL:HG21	1:138:A:PHE:H	14	0.22
(1,3393)	1:99:A:VAL:HG22	1:138:A:PHE:H	14	0.22
(1,3393)	1:99:A:VAL:HG23	1:138:A:PHE:H	14	0.22
(1,3393)	1:99:A:VAL:HG11	1:138:A:PHE:H	17	0.22
(1,3393)	1:99:A:VAL:HG12	1:138:A:PHE:H	17	0.22
(1,3393)	1:99:A:VAL:HG13	1:138:A:PHE:H	17	0.22
(1,3393)	1:99:A:VAL:HG21	1:138:A:PHE:H	17	0.22
(1,3393)	1:99:A:VAL:HG22	1:138:A:PHE:H	17	0.22
(1,3393)	1:99:A:VAL:HG23	1:138:A:PHE:H	17	0.22
(1,3391)	1:99:A:VAL:HG11	1:137:A:TYR:HD1	9	0.22
(1,3391)	1:99:A:VAL:HG11	1:137:A:TYR:HD2	9	0.22
(1,3391)	1:99:A:VAL:HG12	1:137:A:TYR:HD1	9	0.22
(1,3391)	1:99:A:VAL:HG12	1:137:A:TYR:HD2	9	0.22
(1,3391)	1:99:A:VAL:HG13	1:137:A:TYR:HD1	9	0.22
(1,3391)	1:99:A:VAL:HG13	1:137:A:TYR:HD2	9	0.22
(1,3391)	1:99:A:VAL:HG21	1:137:A:TYR:HD1	9	0.22
(1,3391)	1:99:A:VAL:HG21	1:137:A:TYR:HD2	9	0.22
(1,3391)	1:99:A:VAL:HG22	1:137:A:TYR:HD1	9	0.22
(1,3391)	1:99:A:VAL:HG22	1:137:A:TYR:HD2	9	0.22
(1,3391)	1:99:A:VAL:HG23	1:137:A:TYR:HD1	9	0.22
(1,3391)	1:99:A:VAL:HG23	1:137:A:TYR:HD2	9	0.22
(1,3296)	1:79:A:ASP:HB2	1:80:A:ALA:H	7	0.22
(1,3296)	1:79:A:ASP:HB3	1:80:A:ALA:H	7	0.22
(1,3269)	1:71:A:VAL:HG11	1:155:A:LYS:H	1	0.22
(1,3269)	1:71:A:VAL:HG12	1:155:A:LYS:H	1	0.22
(1,3269)	1:71:A:VAL:HG13	1:155:A:LYS:H	1	0.22
(1,3269)	1:71:A:VAL:HG21	1:155:A:LYS:H	1	0.22
(1,3269)	1:71:A:VAL:HG22	1:155:A:LYS:H	1	0.22
(1,3269)	1:71:A:VAL:HG23	1:155:A:LYS:H	1	0.22
(1,3135)	1:52:A:VAL:HG11	1:134:A:GLN:HB3	4	0.22
(1,3135)	1:52:A:VAL:HG12	1:134:A:GLN:HB3	4	0.22
(1,3135)	1:52:A:VAL:HG13	1:134:A:GLN:HB3	4	0.22
(1,3135)	1:52:A:VAL:HG21	1:134:A:GLN:HB3	4	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3135)	1:52:A:VAL:HG22	1:134:A:GLN:HB3	4	0.22
(1,3135)	1:52:A:VAL:HG23	1:134:A:GLN:HB3	4	0.22
(1,3127)	1:51:A:ALA:HB1	1:136:A:ARG:HD2	19	0.22
(1,3127)	1:51:A:ALA:HB1	1:136:A:ARG:HD3	19	0.22
(1,3127)	1:51:A:ALA:HB2	1:136:A:ARG:HD2	19	0.22
(1,3127)	1:51:A:ALA:HB2	1:136:A:ARG:HD3	19	0.22
(1,3127)	1:51:A:ALA:HB3	1:136:A:ARG:HD2	19	0.22
(1,3127)	1:51:A:ALA:HB3	1:136:A:ARG:HD3	19	0.22
(1,3065)	1:42:A:LEU:HD11	1:48:A:THR:HB	3	0.22
(1,3065)	1:42:A:LEU:HD12	1:48:A:THR:HB	3	0.22
(1,3065)	1:42:A:LEU:HD13	1:48:A:THR:HB	3	0.22
(1,3065)	1:42:A:LEU:HD21	1:48:A:THR:HB	3	0.22
(1,3065)	1:42:A:LEU:HD22	1:48:A:THR:HB	3	0.22
(1,3065)	1:42:A:LEU:HD23	1:48:A:THR:HB	3	0.22
(1,3022)	1:34:A:LEU:HD11	1:137:A:TYR:HE1	4	0.22
(1,3022)	1:34:A:LEU:HD11	1:137:A:TYR:HE2	4	0.22
(1,3022)	1:34:A:LEU:HD12	1:137:A:TYR:HE1	4	0.22
(1,3022)	1:34:A:LEU:HD12	1:137:A:TYR:HE2	4	0.22
(1,3022)	1:34:A:LEU:HD13	1:137:A:TYR:HE1	4	0.22
(1,3022)	1:34:A:LEU:HD13	1:137:A:TYR:HE2	4	0.22
(1,3022)	1:34:A:LEU:HD21	1:137:A:TYR:HE1	4	0.22
(1,3022)	1:34:A:LEU:HD21	1:137:A:TYR:HE2	4	0.22
(1,3022)	1:34:A:LEU:HD22	1:137:A:TYR:HE1	4	0.22
(1,3022)	1:34:A:LEU:HD22	1:137:A:TYR:HE2	4	0.22
(1,3022)	1:34:A:LEU:HD23	1:137:A:TYR:HE1	4	0.22
(1,3022)	1:34:A:LEU:HD23	1:137:A:TYR:HE2	4	0.22
(1,2998)	1:33:A:GLN:HG2	1:35:A:GLY:HA2	5	0.22
(1,2998)	1:33:A:GLN:HG2	1:35:A:GLY:HA3	5	0.22
(1,2998)	1:33:A:GLN:HG3	1:35:A:GLY:HA2	5	0.22
(1,2998)	1:33:A:GLN:HG3	1:35:A:GLY:HA3	5	0.22
(1,2998)	1:33:A:GLN:HG2	1:35:A:GLY:HA2	8	0.22
(1,2998)	1:33:A:GLN:HG2	1:35:A:GLY:HA3	8	0.22
(1,2998)	1:33:A:GLN:HG3	1:35:A:GLY:HA2	8	0.22
(1,2998)	1:33:A:GLN:HG3	1:35:A:GLY:HA3	8	0.22
(1,2902)	1:16:A:VAL:HG11	1:18:A:ASN:H	3	0.22
(1,2902)	1:16:A:VAL:HG12	1:18:A:ASN:H	3	0.22
(1,2902)	1:16:A:VAL:HG13	1:18:A:ASN:H	3	0.22
(1,2902)	1:16:A:VAL:HG21	1:18:A:ASN:H	3	0.22
(1,2902)	1:16:A:VAL:HG22	1:18:A:ASN:H	3	0.22
(1,2902)	1:16:A:VAL:HG23	1:18:A:ASN:H	3	0.22
(1,2902)	1:16:A:VAL:HG11	1:18:A:ASN:H	4	0.22
(1,2902)	1:16:A:VAL:HG12	1:18:A:ASN:H	4	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2902)	1:16:A:VAL:HG13	1:18:A:ASN:H	4	0.22
(1,2902)	1:16:A:VAL:HG21	1:18:A:ASN:H	4	0.22
(1,2902)	1:16:A:VAL:HG22	1:18:A:ASN:H	4	0.22
(1,2902)	1:16:A:VAL:HG23	1:18:A:ASN:H	4	0.22
(1,2902)	1:16:A:VAL:HG11	1:18:A:ASN:H	6	0.22
(1,2902)	1:16:A:VAL:HG12	1:18:A:ASN:H	6	0.22
(1,2902)	1:16:A:VAL:HG13	1:18:A:ASN:H	6	0.22
(1,2902)	1:16:A:VAL:HG21	1:18:A:ASN:H	6	0.22
(1,2902)	1:16:A:VAL:HG22	1:18:A:ASN:H	6	0.22
(1,2902)	1:16:A:VAL:HG23	1:18:A:ASN:H	6	0.22
(1,2902)	1:16:A:VAL:HG11	1:18:A:ASN:H	11	0.22
(1,2902)	1:16:A:VAL:HG12	1:18:A:ASN:H	11	0.22
(1,2902)	1:16:A:VAL:HG13	1:18:A:ASN:H	11	0.22
(1,2902)	1:16:A:VAL:HG21	1:18:A:ASN:H	11	0.22
(1,2902)	1:16:A:VAL:HG22	1:18:A:ASN:H	11	0.22
(1,2902)	1:16:A:VAL:HG23	1:18:A:ASN:H	11	0.22
(1,2853)	1:10:A:VAL:HG11	1:32:A:VAL:HA	8	0.22
(1,2853)	1:10:A:VAL:HG12	1:32:A:VAL:HA	8	0.22
(1,2853)	1:10:A:VAL:HG13	1:32:A:VAL:HA	8	0.22
(1,2853)	1:10:A:VAL:HG21	1:32:A:VAL:HA	8	0.22
(1,2853)	1:10:A:VAL:HG22	1:32:A:VAL:HA	8	0.22
(1,2853)	1:10:A:VAL:HG23	1:32:A:VAL:HA	8	0.22
(1,2853)	1:10:A:VAL:HG11	1:32:A:VAL:HA	18	0.22
(1,2853)	1:10:A:VAL:HG12	1:32:A:VAL:HA	18	0.22
(1,2853)	1:10:A:VAL:HG13	1:32:A:VAL:HA	18	0.22
(1,2853)	1:10:A:VAL:HG21	1:32:A:VAL:HA	18	0.22
(1,2853)	1:10:A:VAL:HG22	1:32:A:VAL:HA	18	0.22
(1,2853)	1:10:A:VAL:HG23	1:32:A:VAL:HA	18	0.22
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD11	8	0.22
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD12	8	0.22
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD13	8	0.22
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD21	8	0.22
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD22	8	0.22
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD23	8	0.22
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD11	8	0.22
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD12	8	0.22
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD13	8	0.22
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD21	8	0.22
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD22	8	0.22
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD23	8	0.22
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD11	8	0.22
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD12	8	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD13	8	0.22
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD21	8	0.22
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD22	8	0.22
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD23	8	0.22
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD11	8	0.22
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD12	8	0.22
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD13	8	0.22
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD21	8	0.22
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD22	8	0.22
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD23	8	0.22
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD11	8	0.22
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD12	8	0.22
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD13	8	0.22
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD21	8	0.22
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD22	8	0.22
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD23	8	0.22
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD11	8	0.22
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD12	8	0.22
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD13	8	0.22
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD21	8	0.22
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD22	8	0.22
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD23	8	0.22
(1,2800)	1:4:A:THR:HG21	1:36:A:GLN:HE21	13	0.22
(1,2800)	1:4:A:THR:HG21	1:36:A:GLN:HE22	13	0.22
(1,2800)	1:4:A:THR:HG22	1:36:A:GLN:HE21	13	0.22
(1,2800)	1:4:A:THR:HG22	1:36:A:GLN:HE22	13	0.22
(1,2800)	1:4:A:THR:HG23	1:36:A:GLN:HE21	13	0.22
(1,2800)	1:4:A:THR:HG23	1:36:A:GLN:HE22	13	0.22
(1,2799)	1:4:A:THR:HG21	1:36:A:GLN:HG2	14	0.22
(1,2799)	1:4:A:THR:HG21	1:36:A:GLN:HG3	14	0.22
(1,2799)	1:4:A:THR:HG22	1:36:A:GLN:HG2	14	0.22
(1,2799)	1:4:A:THR:HG22	1:36:A:GLN:HG3	14	0.22
(1,2799)	1:4:A:THR:HG23	1:36:A:GLN:HG2	14	0.22
(1,2799)	1:4:A:THR:HG23	1:36:A:GLN:HG3	14	0.22
(1,2644)	1:78:A:ILE:HG21	1:99:A:VAL:H	20	0.22
(1,2644)	1:78:A:ILE:HG22	1:99:A:VAL:H	20	0.22
(1,2644)	1:78:A:ILE:HG23	1:99:A:VAL:H	20	0.22
(1,2601)	1:74:A:LEU:HB2	1:153:A:THR:H	12	0.22
(1,2578)	1:72:A:ALA:H	1:157:A:GLN:H	1	0.22
(1,2551)	1:6:A:ASN:H	1:6:A:ASN:HB3	5	0.22
(1,2551)	1:6:A:ASN:H	1:6:A:ASN:HB3	9	0.22
(1,2551)	1:6:A:ASN:H	1:6:A:ASN:HB3	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2551)	1:6:A:ASN:H	1:6:A:ASN:HB3	13	0.22
(1,2551)	1:6:A:ASN:H	1:6:A:ASN:HB3	14	0.22
(1,2551)	1:6:A:ASN:H	1:6:A:ASN:HB3	17	0.22
(1,2549)	1:6:A:ASN:H	1:146:A:GLY:H	5	0.22
(1,2549)	1:6:A:ASN:H	1:146:A:GLY:H	19	0.22
(1,2526)	1:66:A:ALA:HA	1:68:A:LYS:H	15	0.22
(1,2526)	1:66:A:ALA:HA	1:68:A:LYS:H	20	0.22
(1,2513)	1:63:A:THR:HA	1:65:A:VAL:H	7	0.22
(1,2508)	1:61:A:CYS:HB2	1:127:A:GLY:H	11	0.22
(1,2508)	1:61:A:CYS:HB2	1:127:A:GLY:H	16	0.22
(1,2459)	1:55:A:ASN:HA	1:130:A:THR:HG21	15	0.22
(1,2459)	1:55:A:ASN:HA	1:130:A:THR:HG22	15	0.22
(1,2459)	1:55:A:ASN:HA	1:130:A:THR:HG23	15	0.22
(1,2453)	1:53:A:GLY:H	1:54:A:PHE:H	2	0.22
(1,2453)	1:53:A:GLY:H	1:54:A:PHE:H	12	0.22
(1,2452)	1:53:A:GLY:H	1:134:A:GLN:HA	13	0.22
(1,2439)	1:51:A:ALA:HA	1:135:A:ALA:H	15	0.22
(1,2367)	1:42:A:LEU:HA	1:47:A:ALA:H	3	0.22
(1,2367)	1:42:A:LEU:HA	1:47:A:ALA:H	4	0.22
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG21	18	0.22
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG22	18	0.22
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG23	18	0.22
(1,2355)	1:3:A:THR:HA	1:4:A:THR:HG21	12	0.22
(1,2355)	1:3:A:THR:HA	1:4:A:THR:HG22	12	0.22
(1,2355)	1:3:A:THR:HA	1:4:A:THR:HG23	12	0.22
(1,2322)	1:33:A:GLN:HG2	1:35:A:GLY:H	13	0.22
(1,2322)	1:33:A:GLN:HG3	1:35:A:GLY:H	13	0.22
(1,2204)	1:155:A:LYS:HB2	1:156:A:VAL:H	2	0.22
(1,2124)	1:130:A:THR:HB	1:131:A:ILE:H	9	0.22
(1,2104)	1:124:A:LEU:HD11	1:158:A:TYR:HE1	6	0.22
(1,2104)	1:124:A:LEU:HD11	1:158:A:TYR:HE2	6	0.22
(1,2104)	1:124:A:LEU:HD12	1:158:A:TYR:HE1	6	0.22
(1,2104)	1:124:A:LEU:HD12	1:158:A:TYR:HE2	6	0.22
(1,2104)	1:124:A:LEU:HD13	1:158:A:TYR:HE1	6	0.22
(1,2104)	1:124:A:LEU:HD13	1:158:A:TYR:HE2	6	0.22
(1,2104)	1:124:A:LEU:HD21	1:158:A:TYR:HE1	6	0.22
(1,2104)	1:124:A:LEU:HD21	1:158:A:TYR:HE2	6	0.22
(1,2104)	1:124:A:LEU:HD22	1:158:A:TYR:HE1	6	0.22
(1,2104)	1:124:A:LEU:HD22	1:158:A:TYR:HE2	6	0.22
(1,2104)	1:124:A:LEU:HD23	1:158:A:TYR:HE1	6	0.22
(1,2104)	1:124:A:LEU:HD23	1:158:A:TYR:HE2	6	0.22
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD11	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD12	18	0.22
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD13	18	0.22
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD21	18	0.22
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD22	18	0.22
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD23	18	0.22
(1,1973)	1:9:A:THR:HA	1:34:A:LEU:H	15	0.22
(1,1962)	1:98:A:ASN:HD21	1:142:A:ALA:H	9	0.22
(1,1948)	1:97:A:THR:H	1:148:A:ALA:HB1	6	0.22
(1,1948)	1:97:A:THR:H	1:148:A:ALA:HB2	6	0.22
(1,1948)	1:97:A:THR:H	1:148:A:ALA:HB3	6	0.22
(1,1946)	1:97:A:THR:H	1:143:A:ALA:HB1	16	0.22
(1,1946)	1:97:A:THR:H	1:143:A:ALA:HB2	16	0.22
(1,1946)	1:97:A:THR:H	1:143:A:ALA:HB3	16	0.22
(1,1913)	1:88:A:LEU:H	1:88:A:LEU:HG	2	0.22
(1,1913)	1:88:A:LEU:H	1:88:A:LEU:HG	12	0.22
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB1	5	0.22
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB2	5	0.22
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB3	5	0.22
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB1	5	0.22
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB2	5	0.22
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB3	5	0.22
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB1	5	0.22
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB2	5	0.22
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB3	5	0.22
(1,1886)	1:79:A:ASP:H	1:82:A:HIS:H	10	0.22
(1,1867)	1:77:A:ALA:HB1	1:82:A:HIS:H	2	0.22
(1,1867)	1:77:A:ALA:HB2	1:82:A:HIS:H	2	0.22
(1,1867)	1:77:A:ALA:HB3	1:82:A:HIS:H	2	0.22
(1,1867)	1:77:A:ALA:HB1	1:82:A:HIS:H	10	0.22
(1,1867)	1:77:A:ALA:HB2	1:82:A:HIS:H	10	0.22
(1,1867)	1:77:A:ALA:HB3	1:82:A:HIS:H	10	0.22
(1,1753)	1:51:A:ALA:HB1	1:134:A:GLN:HE22	11	0.22
(1,1753)	1:51:A:ALA:HB2	1:134:A:GLN:HE22	11	0.22
(1,1753)	1:51:A:ALA:HB3	1:134:A:GLN:HE22	11	0.22
(1,1733)	1:48:A:THR:HB	1:136:A:ARG:HG2	12	0.22
(1,1733)	1:48:A:THR:HB	1:136:A:ARG:HG3	12	0.22
(1,1723)	1:47:A:ALA:H	1:141:A:GLY:H	11	0.22
(1,1704)	1:41:A:SER:H	1:41:A:SER:HB3	18	0.22
(1,1700)	1:3:A:THR:HB	1:145:A:PRO:HG3	14	0.22
(1,1677)	1:31:A:THR:HG21	1:33:A:GLN:HE21	5	0.22
(1,1677)	1:31:A:THR:HG22	1:33:A:GLN:HE21	5	0.22
(1,1677)	1:31:A:THR:HG23	1:33:A:GLN:HE21	5	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1677)	1:31:A:THR:HG21	1:33:A:GLN:HE21	11	0.22
(1,1677)	1:31:A:THR:HG22	1:33:A:GLN:HE21	11	0.22
(1,1677)	1:31:A:THR:HG23	1:33:A:GLN:HE21	11	0.22
(1,1669)	1:28:A:VAL:HG11	1:29:A:ASP:HB3	13	0.22
(1,1669)	1:28:A:VAL:HG12	1:29:A:ASP:HB3	13	0.22
(1,1669)	1:28:A:VAL:HG13	1:29:A:ASP:HB3	13	0.22
(1,1669)	1:28:A:VAL:HG11	1:29:A:ASP:HB3	20	0.22
(1,1669)	1:28:A:VAL:HG12	1:29:A:ASP:HB3	20	0.22
(1,1669)	1:28:A:VAL:HG13	1:29:A:ASP:HB3	20	0.22
(1,1647)	1:21:A:CYS:HA	1:62:A:ASP:H	20	0.22
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB1	1	0.22
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB2	1	0.22
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB3	1	0.22
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB1	6	0.22
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB2	6	0.22
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB3	6	0.22
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB1	16	0.22
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB2	16	0.22
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB3	16	0.22
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB1	19	0.22
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB2	19	0.22
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB3	19	0.22
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE1	9	0.22
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE2	9	0.22
(1,1610)	1:147:A:ALA:HB1	1:149:A:ASN:HD22	7	0.22
(1,1610)	1:147:A:ALA:HB2	1:149:A:ASN:HD22	7	0.22
(1,1610)	1:147:A:ALA:HB3	1:149:A:ASN:HD22	7	0.22
(1,1610)	1:147:A:ALA:HB1	1:149:A:ASN:HD22	19	0.22
(1,1610)	1:147:A:ALA:HB2	1:149:A:ASN:HD22	19	0.22
(1,1610)	1:147:A:ALA:HB3	1:149:A:ASN:HD22	19	0.22
(1,1601)	1:141:A:GLY:H	1:142:A:ALA:H	10	0.22
(1,1578)	1:137:A:TYR:HB3	1:138:A:PHE:HB2	18	0.22
(1,1468)	1:104:A:LEU:HD21	1:135:A:ALA:HA	17	0.22
(1,1468)	1:104:A:LEU:HD22	1:135:A:ALA:HA	17	0.22
(1,1468)	1:104:A:LEU:HD23	1:135:A:ALA:HA	17	0.22
(1,1440)	1:102:A:GLN:HB3	1:103:A:ILE:H	3	0.22
(1,1440)	1:102:A:GLN:HB3	1:103:A:ILE:H	6	0.22
(1,1407)	1:89:A:GLN:HB2	1:90:A:SER:H	13	0.22
(1,1377)	1:74:A:LEU:HB3	1:153:A:THR:HB	9	0.22
(1,1355)	1:6:A:ASN:HB3	1:7:A:GLY:H	16	0.22
(1,1354)	1:69:A:ALA:HB1	1:158:A:TYR:HA	15	0.22
(1,1354)	1:69:A:ALA:HB2	1:158:A:TYR:HA	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1354)	1:69:A:ALA:HB3	1:158:A:TYR:HA	15	0.22
(1,1296)	1:39:A:THR:HA	1:144:A:THR:HA	4	0.22
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD11	10	0.22
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD12	10	0.22
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD13	10	0.22
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD21	10	0.22
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD22	10	0.22
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD23	10	0.22
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD11	10	0.22
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD12	10	0.22
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD13	10	0.22
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD21	10	0.22
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD22	10	0.22
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD23	10	0.22
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD11	10	0.22
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD12	10	0.22
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD13	10	0.22
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD21	10	0.22
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD22	10	0.22
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD23	10	0.22
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD11	13	0.22
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD12	13	0.22
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD13	13	0.22
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD21	13	0.22
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD22	13	0.22
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD23	13	0.22
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD11	13	0.22
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD12	13	0.22
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD13	13	0.22
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD21	13	0.22
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD22	13	0.22
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD23	13	0.22
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD11	13	0.22
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD12	13	0.22
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD13	13	0.22
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD21	13	0.22
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD22	13	0.22
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD23	13	0.22
(1,1261)	1:16:A:VAL:HB	1:17:A:VAL:H	17	0.22
(1,1253)	1:156:A:VAL:H	1:156:A:VAL:HB	15	0.22
(1,1253)	1:156:A:VAL:H	1:156:A:VAL:HB	17	0.22
(1,1174)	1:100:A:GLY:H	1:140:A:THR:HG21	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1174)	1:100:A:GLY:H	1:140:A:THR:HG22	13	0.22
(1,1174)	1:100:A:GLY:H	1:140:A:THR:HG23	13	0.22
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG21	16	0.22
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG22	16	0.22
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG23	16	0.22
(1,1068)	1:142:A:ALA:H	1:143:A:ALA:H	14	0.22
(1,1068)	1:142:A:ALA:H	1:143:A:ALA:H	18	0.22
(1,1013)	1:82:A:HIS:H	1:84:A:ASN:H	11	0.22
(1,1003)	1:72:A:ALA:H	1:73:A:PHE:HD1	2	0.22
(1,1003)	1:72:A:ALA:H	1:73:A:PHE:HD2	2	0.22
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB1	7	0.22
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB2	7	0.22
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB3	7	0.22
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB1	18	0.22
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB2	18	0.22
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB3	18	0.22
(1,963)	1:32:A:VAL:HG21	1:54:A:PHE:HA	17	0.22
(1,963)	1:32:A:VAL:HG22	1:54:A:PHE:HA	17	0.22
(1,963)	1:32:A:VAL:HG23	1:54:A:PHE:HA	17	0.22
(1,939)	1:12:A:PHE:HZ	1:103:A:ILE:HD11	7	0.22
(1,939)	1:12:A:PHE:HZ	1:103:A:ILE:HD12	7	0.22
(1,939)	1:12:A:PHE:HZ	1:103:A:ILE:HD13	7	0.22
(1,928)	1:116:A:ALA:HA	1:117:A:THR:HB	1	0.22
(1,909)	1:95:A:SER:HA	1:149:A:ASN:H	7	0.22
(1,905)	1:89:A:GLN:HE21	1:149:A:ASN:HB2	17	0.22
(1,875)	1:61:A:CYS:HB2	1:126:A:ASN:HA	8	0.22
(1,833)	1:159:A:GLN:HA	1:159:A:GLN:HG2	3	0.22
(1,815)	1:127:A:GLY:H	1:128:A:THR:H	12	0.22
(1,796)	1:106:A:ARG:HE	1:120:A:SER:HB3	1	0.22
(1,795)	1:106:A:ARG:HA	1:108:A:GLY:H	6	0.22
(1,788)	1:101:A:VAL:H	1:150:A:ALA:HB1	1	0.22
(1,788)	1:101:A:VAL:H	1:150:A:ALA:HB2	1	0.22
(1,788)	1:101:A:VAL:H	1:150:A:ALA:HB3	1	0.22
(1,775)	1:8:A:GLY:H	1:34:A:LEU:HA	3	0.22
(1,774)	1:8:A:GLY:H	1:148:A:ALA:H	5	0.22
(1,773)	1:86:A:LEU:HD21	1:151:A:ASP:H	3	0.22
(1,773)	1:86:A:LEU:HD22	1:151:A:ASP:H	3	0.22
(1,773)	1:86:A:LEU:HD23	1:151:A:ASP:H	3	0.22
(1,740)	1:42:A:LEU:HA	1:43:A:ALA:HB1	14	0.22
(1,740)	1:42:A:LEU:HA	1:43:A:ALA:HB2	14	0.22
(1,740)	1:42:A:LEU:HA	1:43:A:ALA:HB3	14	0.22
(1,740)	1:42:A:LEU:HA	1:43:A:ALA:HB1	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,740)	1:42:A:LEU:HA	1:43:A:ALA:HB2	18	0.22
(1,740)	1:42:A:LEU:HA	1:43:A:ALA:HB3	18	0.22
(1,725)	1:19:A:ALA:HB1	1:21:A:CYS:H	20	0.22
(1,725)	1:19:A:ALA:HB2	1:21:A:CYS:H	20	0.22
(1,725)	1:19:A:ALA:HB3	1:21:A:CYS:H	20	0.22
(1,721)	1:17:A:VAL:HG21	1:18:A:ASN:H	7	0.22
(1,721)	1:17:A:VAL:HG22	1:18:A:ASN:H	7	0.22
(1,721)	1:17:A:VAL:HG23	1:18:A:ASN:H	7	0.22
(1,721)	1:17:A:VAL:HG21	1:18:A:ASN:H	12	0.22
(1,721)	1:17:A:VAL:HG22	1:18:A:ASN:H	12	0.22
(1,721)	1:17:A:VAL:HG23	1:18:A:ASN:H	12	0.22
(1,721)	1:17:A:VAL:HG21	1:18:A:ASN:H	16	0.22
(1,721)	1:17:A:VAL:HG22	1:18:A:ASN:H	16	0.22
(1,721)	1:17:A:VAL:HG23	1:18:A:ASN:H	16	0.22
(1,704)	1:122:A:THR:HG21	1:123:A:THR:H	5	0.22
(1,704)	1:122:A:THR:HG22	1:123:A:THR:H	5	0.22
(1,704)	1:122:A:THR:HG23	1:123:A:THR:H	5	0.22
(1,695)	1:114:A:ASP:H	1:116:A:ALA:H	1	0.22
(1,692)	1:10:A:VAL:HA	1:149:A:ASN:HA	6	0.22
(1,692)	1:10:A:VAL:HA	1:149:A:ASN:HA	19	0.22
(1,683)	1:9:A:THR:H	1:149:A:ASN:H	8	0.22
(1,683)	1:9:A:THR:H	1:149:A:ASN:H	19	0.22
(1,681)	1:90:A:SER:H	1:91:A:SER:H	11	0.22
(1,681)	1:90:A:SER:H	1:91:A:SER:H	19	0.22
(1,567)	1:136:A:ARG:HA	1:137:A:TYR:HE1	18	0.22
(1,567)	1:136:A:ARG:HA	1:137:A:TYR:HE2	18	0.22
(1,563)	1:123:A:THR:HB	1:124:A:LEU:HA	4	0.22
(1,563)	1:123:A:THR:HB	1:124:A:LEU:HA	12	0.22
(1,545)	1:70:A:ALA:HA	1:157:A:GLN:HB3	17	0.22
(1,519)	1:90:A:SER:HA	1:95:A:SER:HA	5	0.22
(1,512)	1:82:A:HIS:HB2	1:85:A:VAL:H	1	0.22
(1,472)	1:93:A:ALA:HB1	1:95:A:SER:H	16	0.22
(1,472)	1:93:A:ALA:HB2	1:95:A:SER:H	16	0.22
(1,472)	1:93:A:ALA:HB3	1:95:A:SER:H	16	0.22
(1,465)	1:74:A:LEU:HD21	1:153:A:THR:H	16	0.22
(1,465)	1:74:A:LEU:HD22	1:153:A:THR:H	16	0.22
(1,465)	1:74:A:LEU:HD23	1:153:A:THR:H	16	0.22
(1,441)	1:16:A:VAL:H	1:156:A:VAL:HG21	7	0.22
(1,441)	1:16:A:VAL:H	1:156:A:VAL:HG22	7	0.22
(1,441)	1:16:A:VAL:H	1:156:A:VAL:HG23	7	0.22
(1,434)	1:111:A:LEU:HB3	1:119:A:SER:H	6	0.22
(1,398)	1:78:A:ILE:HD11	1:100:A:GLY:HA3	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,398)	1:78:A:ILE:HD12	1:100:A:GLY:HA3	15	0.22
(1,398)	1:78:A:ILE:HD13	1:100:A:GLY:HA3	15	0.22
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB1	16	0.22
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB2	16	0.22
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB3	16	0.22
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB1	18	0.22
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB2	18	0.22
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB3	18	0.22
(1,312)	1:4:A:THR:HG21	1:38:A:ARG:H	17	0.22
(1,312)	1:4:A:THR:HG22	1:38:A:ARG:H	17	0.22
(1,312)	1:4:A:THR:HG23	1:38:A:ARG:H	17	0.22
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD21	1	0.22
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD22	1	0.22
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD23	1	0.22
(1,269)	1:34:A:LEU:HA	1:52:A:VAL:HA	9	0.22
(1,259)	1:101:A:VAL:HG11	1:138:A:PHE:H	5	0.22
(1,259)	1:101:A:VAL:HG12	1:138:A:PHE:H	5	0.22
(1,259)	1:101:A:VAL:HG13	1:138:A:PHE:H	5	0.22
(1,243)	1:73:A:PHE:HD1	1:119:A:SER:H	2	0.22
(1,243)	1:73:A:PHE:HD2	1:119:A:SER:H	2	0.22
(1,243)	1:73:A:PHE:HD1	1:119:A:SER:H	7	0.22
(1,243)	1:73:A:PHE:HD2	1:119:A:SER:H	7	0.22
(1,231)	1:31:A:THR:HG21	1:33:A:GLN:HG2	15	0.22
(1,231)	1:31:A:THR:HG21	1:33:A:GLN:HG3	15	0.22
(1,231)	1:31:A:THR:HG22	1:33:A:GLN:HG2	15	0.22
(1,231)	1:31:A:THR:HG22	1:33:A:GLN:HG3	15	0.22
(1,231)	1:31:A:THR:HG23	1:33:A:GLN:HG2	15	0.22
(1,231)	1:31:A:THR:HG23	1:33:A:GLN:HG3	15	0.22
(1,231)	1:31:A:THR:HG21	1:33:A:GLN:HG2	20	0.22
(1,231)	1:31:A:THR:HG21	1:33:A:GLN:HG3	20	0.22
(1,231)	1:31:A:THR:HG22	1:33:A:GLN:HG2	20	0.22
(1,231)	1:31:A:THR:HG22	1:33:A:GLN:HG3	20	0.22
(1,231)	1:31:A:THR:HG23	1:33:A:GLN:HG2	20	0.22
(1,231)	1:31:A:THR:HG23	1:33:A:GLN:HG3	20	0.22
(1,201)	1:41:A:SER:HA	1:47:A:ALA:HB1	13	0.22
(1,201)	1:41:A:SER:HA	1:47:A:ALA:HB2	13	0.22
(1,201)	1:41:A:SER:HA	1:47:A:ALA:HB3	13	0.22
(1,201)	1:41:A:SER:HA	1:47:A:ALA:HB1	19	0.22
(1,201)	1:41:A:SER:HA	1:47:A:ALA:HB2	19	0.22
(1,201)	1:41:A:SER:HA	1:47:A:ALA:HB3	19	0.22
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB1	4	0.22
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB2	4	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB3	4	0.22
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB1	9	0.22
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB2	9	0.22
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB3	9	0.22
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG21	11	0.22
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG22	11	0.22
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG23	11	0.22
(1,152)	1:14:A:GLY:H	1:154:A:PHE:HD1	5	0.22
(1,152)	1:14:A:GLY:H	1:154:A:PHE:HD2	5	0.22
(1,112)	1:68:A:LYS:H	1:158:A:TYR:HD1	15	0.22
(1,112)	1:68:A:LYS:H	1:158:A:TYR:HD2	15	0.22
(1,99)	1:61:A:CYS:H	1:128:A:THR:H	6	0.22
(1,99)	1:61:A:CYS:H	1:128:A:THR:H	20	0.22
(1,95)	1:152:A:ALA:HB1	1:154:A:PHE:H	20	0.22
(1,95)	1:152:A:ALA:HB2	1:154:A:PHE:H	20	0.22
(1,95)	1:152:A:ALA:HB3	1:154:A:PHE:H	20	0.22
(1,85)	1:100:A:GLY:H	1:138:A:PHE:HD1	1	0.22
(1,85)	1:100:A:GLY:H	1:138:A:PHE:HD2	1	0.22
(1,48)	1:150:A:ALA:HB1	1:152:A:ALA:HA	11	0.22
(1,48)	1:150:A:ALA:HB2	1:152:A:ALA:HA	11	0.22
(1,48)	1:150:A:ALA:HB3	1:152:A:ALA:HA	11	0.22
(1,42)	1:156:A:VAL:HA	1:158:A:TYR:H	3	0.22
(1,33)	1:91:A:SER:H	1:93:A:ALA:H	19	0.22
(1,29)	1:45:A:GLU:HA	1:138:A:PHE:HD1	12	0.22
(1,29)	1:45:A:GLU:HA	1:138:A:PHE:HD2	12	0.22
(1,29)	1:45:A:GLU:HA	1:138:A:PHE:HD1	16	0.22
(1,29)	1:45:A:GLU:HA	1:138:A:PHE:HD2	16	0.22
(1,3472)	1:119:A:SER:HB2	1:120:A:SER:HB2	17	0.21
(1,3472)	1:119:A:SER:HB2	1:120:A:SER:HB3	17	0.21
(1,3472)	1:119:A:SER:HB3	1:120:A:SER:HB2	17	0.21
(1,3472)	1:119:A:SER:HB3	1:120:A:SER:HB3	17	0.21
(1,3468)	1:118:A:PHE:HD1	1:157:A:GLN:HG2	10	0.21
(1,3468)	1:118:A:PHE:HD1	1:157:A:GLN:HG3	10	0.21
(1,3468)	1:118:A:PHE:HD2	1:157:A:GLN:HG2	10	0.21
(1,3468)	1:118:A:PHE:HD2	1:157:A:GLN:HG3	10	0.21
(1,3449)	1:106:A:ARG:HA	1:119:A:SER:HB2	12	0.21
(1,3449)	1:106:A:ARG:HA	1:119:A:SER:HB3	12	0.21
(1,3393)	1:99:A:VAL:HG11	1:138:A:PHE:H	7	0.21
(1,3393)	1:99:A:VAL:HG12	1:138:A:PHE:H	7	0.21
(1,3393)	1:99:A:VAL:HG13	1:138:A:PHE:H	7	0.21
(1,3393)	1:99:A:VAL:HG21	1:138:A:PHE:H	7	0.21
(1,3393)	1:99:A:VAL:HG22	1:138:A:PHE:H	7	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3393)	1:99:A:VAL:HG23	1:138:A:PHE:H	7	0.21
(1,3393)	1:99:A:VAL:HG11	1:138:A:PHE:H	11	0.21
(1,3393)	1:99:A:VAL:HG12	1:138:A:PHE:H	11	0.21
(1,3393)	1:99:A:VAL:HG13	1:138:A:PHE:H	11	0.21
(1,3393)	1:99:A:VAL:HG21	1:138:A:PHE:H	11	0.21
(1,3393)	1:99:A:VAL:HG22	1:138:A:PHE:H	11	0.21
(1,3393)	1:99:A:VAL:HG23	1:138:A:PHE:H	11	0.21
(1,3393)	1:99:A:VAL:HG11	1:138:A:PHE:H	12	0.21
(1,3393)	1:99:A:VAL:HG12	1:138:A:PHE:H	12	0.21
(1,3393)	1:99:A:VAL:HG13	1:138:A:PHE:H	12	0.21
(1,3393)	1:99:A:VAL:HG21	1:138:A:PHE:H	12	0.21
(1,3393)	1:99:A:VAL:HG22	1:138:A:PHE:H	12	0.21
(1,3393)	1:99:A:VAL:HG23	1:138:A:PHE:H	12	0.21
(1,3392)	1:99:A:VAL:HG11	1:137:A:TYR:HE1	3	0.21
(1,3392)	1:99:A:VAL:HG11	1:137:A:TYR:HE2	3	0.21
(1,3392)	1:99:A:VAL:HG12	1:137:A:TYR:HE1	3	0.21
(1,3392)	1:99:A:VAL:HG12	1:137:A:TYR:HE2	3	0.21
(1,3392)	1:99:A:VAL:HG13	1:137:A:TYR:HE1	3	0.21
(1,3392)	1:99:A:VAL:HG13	1:137:A:TYR:HE2	3	0.21
(1,3392)	1:99:A:VAL:HG21	1:137:A:TYR:HE1	3	0.21
(1,3392)	1:99:A:VAL:HG21	1:137:A:TYR:HE2	3	0.21
(1,3392)	1:99:A:VAL:HG22	1:137:A:TYR:HE1	3	0.21
(1,3392)	1:99:A:VAL:HG22	1:137:A:TYR:HE2	3	0.21
(1,3392)	1:99:A:VAL:HG23	1:137:A:TYR:HE1	3	0.21
(1,3392)	1:99:A:VAL:HG23	1:137:A:TYR:HE2	3	0.21
(1,3391)	1:99:A:VAL:HG11	1:137:A:TYR:HD1	7	0.21
(1,3391)	1:99:A:VAL:HG11	1:137:A:TYR:HD2	7	0.21
(1,3391)	1:99:A:VAL:HG12	1:137:A:TYR:HD1	7	0.21
(1,3391)	1:99:A:VAL:HG12	1:137:A:TYR:HD2	7	0.21
(1,3391)	1:99:A:VAL:HG13	1:137:A:TYR:HD1	7	0.21
(1,3391)	1:99:A:VAL:HG13	1:137:A:TYR:HD2	7	0.21
(1,3391)	1:99:A:VAL:HG21	1:137:A:TYR:HD1	7	0.21
(1,3391)	1:99:A:VAL:HG21	1:137:A:TYR:HD2	7	0.21
(1,3391)	1:99:A:VAL:HG22	1:137:A:TYR:HD1	7	0.21
(1,3391)	1:99:A:VAL:HG22	1:137:A:TYR:HD2	7	0.21
(1,3391)	1:99:A:VAL:HG23	1:137:A:TYR:HD1	7	0.21
(1,3391)	1:99:A:VAL:HG23	1:137:A:TYR:HD2	7	0.21
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG11	19	0.21
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG12	19	0.21
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG13	19	0.21
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG21	19	0.21
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG22	19	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG23	19	0.21
(1,3353)	1:88:A:LEU:HD11	1:138:A:PHE:H	12	0.21
(1,3353)	1:88:A:LEU:HD12	1:138:A:PHE:H	12	0.21
(1,3353)	1:88:A:LEU:HD13	1:138:A:PHE:H	12	0.21
(1,3353)	1:88:A:LEU:HD21	1:138:A:PHE:H	12	0.21
(1,3353)	1:88:A:LEU:HD22	1:138:A:PHE:H	12	0.21
(1,3353)	1:88:A:LEU:HD23	1:138:A:PHE:H	12	0.21
(1,3318)	1:85:A:VAL:HA	1:102:A:GLN:HG2	8	0.21
(1,3318)	1:85:A:VAL:HA	1:102:A:GLN:HG3	8	0.21
(1,3318)	1:85:A:VAL:HA	1:102:A:GLN:HG2	19	0.21
(1,3318)	1:85:A:VAL:HA	1:102:A:GLN:HG3	19	0.21
(1,3296)	1:79:A:ASP:HB2	1:80:A:ALA:H	8	0.21
(1,3296)	1:79:A:ASP:HB3	1:80:A:ALA:H	8	0.21
(1,3296)	1:79:A:ASP:HB2	1:80:A:ALA:H	11	0.21
(1,3296)	1:79:A:ASP:HB3	1:80:A:ALA:H	11	0.21
(1,3296)	1:79:A:ASP:HB2	1:80:A:ALA:H	12	0.21
(1,3296)	1:79:A:ASP:HB3	1:80:A:ALA:H	12	0.21
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB2	9	0.21
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB3	9	0.21
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB2	9	0.21
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB3	9	0.21
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB2	9	0.21
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB3	9	0.21
(1,3191)	1:62:A:ASP:HB2	1:65:A:VAL:HB	3	0.21
(1,3191)	1:62:A:ASP:HB3	1:65:A:VAL:HB	3	0.21
(1,3135)	1:52:A:VAL:HG11	1:134:A:GLN:HB3	7	0.21
(1,3135)	1:52:A:VAL:HG12	1:134:A:GLN:HB3	7	0.21
(1,3135)	1:52:A:VAL:HG13	1:134:A:GLN:HB3	7	0.21
(1,3135)	1:52:A:VAL:HG21	1:134:A:GLN:HB3	7	0.21
(1,3135)	1:52:A:VAL:HG22	1:134:A:GLN:HB3	7	0.21
(1,3135)	1:52:A:VAL:HG23	1:134:A:GLN:HB3	7	0.21
(1,3135)	1:52:A:VAL:HG11	1:134:A:GLN:HB3	20	0.21
(1,3135)	1:52:A:VAL:HG12	1:134:A:GLN:HB3	20	0.21
(1,3135)	1:52:A:VAL:HG13	1:134:A:GLN:HB3	20	0.21
(1,3135)	1:52:A:VAL:HG21	1:134:A:GLN:HB3	20	0.21
(1,3135)	1:52:A:VAL:HG22	1:134:A:GLN:HB3	20	0.21
(1,3135)	1:52:A:VAL:HG23	1:134:A:GLN:HB3	20	0.21
(1,2988)	1:28:A:VAL:HG11	1:154:A:PHE:HE1	20	0.21
(1,2988)	1:28:A:VAL:HG11	1:154:A:PHE:HE2	20	0.21
(1,2988)	1:28:A:VAL:HG12	1:154:A:PHE:HE1	20	0.21
(1,2988)	1:28:A:VAL:HG12	1:154:A:PHE:HE2	20	0.21
(1,2988)	1:28:A:VAL:HG13	1:154:A:PHE:HE1	20	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2988)	1:28:A:VAL:HG13	1:154:A:PHE:HE2	20	0.21
(1,2988)	1:28:A:VAL:HG21	1:154:A:PHE:HE1	20	0.21
(1,2988)	1:28:A:VAL:HG21	1:154:A:PHE:HE2	20	0.21
(1,2988)	1:28:A:VAL:HG22	1:154:A:PHE:HE1	20	0.21
(1,2988)	1:28:A:VAL:HG22	1:154:A:PHE:HE2	20	0.21
(1,2988)	1:28:A:VAL:HG23	1:154:A:PHE:HE1	20	0.21
(1,2988)	1:28:A:VAL:HG23	1:154:A:PHE:HE2	20	0.21
(1,2975)	1:27:A:SER:HB2	1:28:A:VAL:H	5	0.21
(1,2975)	1:27:A:SER:HB3	1:28:A:VAL:H	5	0.21
(1,2908)	1:16:A:VAL:HG11	1:154:A:PHE:HE1	10	0.21
(1,2908)	1:16:A:VAL:HG11	1:154:A:PHE:HE2	10	0.21
(1,2908)	1:16:A:VAL:HG12	1:154:A:PHE:HE1	10	0.21
(1,2908)	1:16:A:VAL:HG12	1:154:A:PHE:HE2	10	0.21
(1,2908)	1:16:A:VAL:HG13	1:154:A:PHE:HE1	10	0.21
(1,2908)	1:16:A:VAL:HG13	1:154:A:PHE:HE2	10	0.21
(1,2908)	1:16:A:VAL:HG21	1:154:A:PHE:HE1	10	0.21
(1,2908)	1:16:A:VAL:HG21	1:154:A:PHE:HE2	10	0.21
(1,2908)	1:16:A:VAL:HG22	1:154:A:PHE:HE1	10	0.21
(1,2908)	1:16:A:VAL:HG22	1:154:A:PHE:HE2	10	0.21
(1,2908)	1:16:A:VAL:HG23	1:154:A:PHE:HE1	10	0.21
(1,2908)	1:16:A:VAL:HG23	1:154:A:PHE:HE2	10	0.21
(1,2902)	1:16:A:VAL:HG11	1:18:A:ASN:H	8	0.21
(1,2902)	1:16:A:VAL:HG12	1:18:A:ASN:H	8	0.21
(1,2902)	1:16:A:VAL:HG13	1:18:A:ASN:H	8	0.21
(1,2902)	1:16:A:VAL:HG21	1:18:A:ASN:H	8	0.21
(1,2902)	1:16:A:VAL:HG22	1:18:A:ASN:H	8	0.21
(1,2902)	1:16:A:VAL:HG23	1:18:A:ASN:H	8	0.21
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG11	5	0.21
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG12	5	0.21
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG13	5	0.21
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG21	5	0.21
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG22	5	0.21
(1,2898)	1:16:A:VAL:HA	1:23:A:VAL:HG23	5	0.21
(1,2853)	1:10:A:VAL:HG11	1:32:A:VAL:HA	20	0.21
(1,2853)	1:10:A:VAL:HG12	1:32:A:VAL:HA	20	0.21
(1,2853)	1:10:A:VAL:HG13	1:32:A:VAL:HA	20	0.21
(1,2853)	1:10:A:VAL:HG21	1:32:A:VAL:HA	20	0.21
(1,2853)	1:10:A:VAL:HG22	1:32:A:VAL:HA	20	0.21
(1,2853)	1:10:A:VAL:HG23	1:32:A:VAL:HA	20	0.21
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG11	17	0.21
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG12	17	0.21
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG13	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG21	17	0.21
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG22	17	0.21
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG23	17	0.21
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG11	6	0.21
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG12	6	0.21
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG13	6	0.21
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG21	6	0.21
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG22	6	0.21
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG23	6	0.21
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG11	6	0.21
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG12	6	0.21
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG13	6	0.21
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG21	6	0.21
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG22	6	0.21
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG23	6	0.21
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD11	14	0.21
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD12	14	0.21
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD13	14	0.21
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD21	14	0.21
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD22	14	0.21
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD23	14	0.21
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD11	14	0.21
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD12	14	0.21
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD13	14	0.21
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD21	14	0.21
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD22	14	0.21
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD23	14	0.21
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD11	14	0.21
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD12	14	0.21
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD13	14	0.21
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD21	14	0.21
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD22	14	0.21
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD23	14	0.21
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD11	14	0.21
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD12	14	0.21
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD13	14	0.21
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD21	14	0.21
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD22	14	0.21
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD23	14	0.21
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD11	14	0.21
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD12	14	0.21
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD13	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD21	14	0.21
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD22	14	0.21
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD23	14	0.21
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD11	14	0.21
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD12	14	0.21
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD13	14	0.21
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD21	14	0.21
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD22	14	0.21
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD23	14	0.21
(1,2799)	1:4:A:THR:HG21	1:36:A:GLN:HG2	4	0.21
(1,2799)	1:4:A:THR:HG21	1:36:A:GLN:HG3	4	0.21
(1,2799)	1:4:A:THR:HG22	1:36:A:GLN:HG2	4	0.21
(1,2799)	1:4:A:THR:HG22	1:36:A:GLN:HG3	4	0.21
(1,2799)	1:4:A:THR:HG23	1:36:A:GLN:HG2	4	0.21
(1,2799)	1:4:A:THR:HG23	1:36:A:GLN:HG3	4	0.21
(1,2771)	1:99:A:VAL:H	1:139:A:ALA:HA	12	0.21
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB1	17	0.21
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB2	17	0.21
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB3	17	0.21
(1,2719)	1:89:A:GLN:H	1:89:A:GLN:HE21	14	0.21
(1,2717)	1:88:A:LEU:HD21	1:89:A:GLN:H	3	0.21
(1,2717)	1:88:A:LEU:HD22	1:89:A:GLN:H	3	0.21
(1,2717)	1:88:A:LEU:HD23	1:89:A:GLN:H	3	0.21
(1,2716)	1:88:A:LEU:HD21	1:148:A:ALA:HA	15	0.21
(1,2716)	1:88:A:LEU:HD22	1:148:A:ALA:HA	15	0.21
(1,2716)	1:88:A:LEU:HD23	1:148:A:ALA:HA	15	0.21
(1,2601)	1:74:A:LEU:HB2	1:153:A:THR:H	3	0.21
(1,2601)	1:74:A:LEU:HB2	1:153:A:THR:H	13	0.21
(1,2560)	1:70:A:ALA:HB1	1:118:A:PHE:H	15	0.21
(1,2560)	1:70:A:ALA:HB2	1:118:A:PHE:H	15	0.21
(1,2560)	1:70:A:ALA:HB3	1:118:A:PHE:H	15	0.21
(1,2551)	1:6:A:ASN:H	1:6:A:ASN:HB3	2	0.21
(1,2551)	1:6:A:ASN:H	1:6:A:ASN:HB3	3	0.21
(1,2551)	1:6:A:ASN:H	1:6:A:ASN:HB3	7	0.21
(1,2551)	1:6:A:ASN:H	1:6:A:ASN:HB3	18	0.21
(1,2551)	1:6:A:ASN:H	1:6:A:ASN:HB3	19	0.21
(1,2551)	1:6:A:ASN:H	1:6:A:ASN:HB3	20	0.21
(1,2549)	1:6:A:ASN:H	1:146:A:GLY:H	15	0.21
(1,2532)	1:66:A:ALA:HB1	1:68:A:LYS:H	2	0.21
(1,2532)	1:66:A:ALA:HB2	1:68:A:LYS:H	2	0.21
(1,2532)	1:66:A:ALA:HB3	1:68:A:LYS:H	2	0.21
(1,2532)	1:66:A:ALA:HB1	1:68:A:LYS:H	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2532)	1:66:A:ALA:HB2	1:68:A:LYS:H	3	0.21
(1,2532)	1:66:A:ALA:HB3	1:68:A:LYS:H	3	0.21
(1,2532)	1:66:A:ALA:HB1	1:68:A:LYS:H	15	0.21
(1,2532)	1:66:A:ALA:HB2	1:68:A:LYS:H	15	0.21
(1,2532)	1:66:A:ALA:HB3	1:68:A:LYS:H	15	0.21
(1,2529)	1:66:A:ALA:HB1	1:158:A:TYR:HA	10	0.21
(1,2529)	1:66:A:ALA:HB2	1:158:A:TYR:HA	10	0.21
(1,2529)	1:66:A:ALA:HB3	1:158:A:TYR:HA	10	0.21
(1,2513)	1:63:A:THR:HA	1:65:A:VAL:H	13	0.21
(1,2513)	1:63:A:THR:HA	1:65:A:VAL:H	16	0.21
(1,2513)	1:63:A:THR:HA	1:65:A:VAL:H	17	0.21
(1,2513)	1:63:A:THR:HA	1:65:A:VAL:H	18	0.21
(1,2508)	1:61:A:CYS:HB2	1:127:A:GLY:H	9	0.21
(1,2508)	1:61:A:CYS:HB2	1:127:A:GLY:H	10	0.21
(1,2486)	1:56:A:ILE:HG21	1:71:A:VAL:HG21	8	0.21
(1,2486)	1:56:A:ILE:HG21	1:71:A:VAL:HG22	8	0.21
(1,2486)	1:56:A:ILE:HG21	1:71:A:VAL:HG23	8	0.21
(1,2486)	1:56:A:ILE:HG22	1:71:A:VAL:HG21	8	0.21
(1,2486)	1:56:A:ILE:HG22	1:71:A:VAL:HG22	8	0.21
(1,2486)	1:56:A:ILE:HG22	1:71:A:VAL:HG23	8	0.21
(1,2486)	1:56:A:ILE:HG23	1:71:A:VAL:HG21	8	0.21
(1,2486)	1:56:A:ILE:HG23	1:71:A:VAL:HG22	8	0.21
(1,2486)	1:56:A:ILE:HG23	1:71:A:VAL:HG23	8	0.21
(1,2453)	1:53:A:GLY:H	1:54:A:PHE:H	20	0.21
(1,2422)	1:49:A:SER:H	1:136:A:ARG:HG2	8	0.21
(1,2422)	1:49:A:SER:H	1:136:A:ARG:HG3	8	0.21
(1,2403)	1:45:A:GLU:HB3	1:141:A:GLY:H	1	0.21
(1,2357)	1:3:A:THR:HB	1:4:A:THR:H	7	0.21
(1,2357)	1:3:A:THR:HB	1:4:A:THR:H	13	0.21
(1,2355)	1:3:A:THR:HA	1:4:A:THR:HG21	17	0.21
(1,2355)	1:3:A:THR:HA	1:4:A:THR:HG22	17	0.21
(1,2355)	1:3:A:THR:HA	1:4:A:THR:HG23	17	0.21
(1,2312)	1:32:A:VAL:HG11	1:52:A:VAL:H	5	0.21
(1,2312)	1:32:A:VAL:HG12	1:52:A:VAL:H	5	0.21
(1,2312)	1:32:A:VAL:HG13	1:52:A:VAL:H	5	0.21
(1,2310)	1:32:A:VAL:HG11	1:135:A:ALA:H	8	0.21
(1,2310)	1:32:A:VAL:HG12	1:135:A:ALA:H	8	0.21
(1,2310)	1:32:A:VAL:HG13	1:135:A:ALA:H	8	0.21
(1,2310)	1:32:A:VAL:HG11	1:135:A:ALA:H	9	0.21
(1,2310)	1:32:A:VAL:HG12	1:135:A:ALA:H	9	0.21
(1,2310)	1:32:A:VAL:HG13	1:135:A:ALA:H	9	0.21
(1,2310)	1:32:A:VAL:HG11	1:135:A:ALA:H	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2310)	1:32:A:VAL:HG12	1:135:A:ALA:H	13	0.21
(1,2310)	1:32:A:VAL:HG13	1:135:A:ALA:H	13	0.21
(1,2251)	1:21:A:CYS:HB2	1:59:A:ASN:H	1	0.21
(1,2202)	1:155:A:LYS:H	1:155:A:LYS:HG3	4	0.21
(1,2202)	1:155:A:LYS:H	1:155:A:LYS:HG2	4	0.21
(1,2202)	1:155:A:LYS:H	1:155:A:LYS:HG3	6	0.21
(1,2202)	1:155:A:LYS:H	1:155:A:LYS:HG2	6	0.21
(1,2191)	1:149:A:ASN:HD21	1:150:A:ALA:H	12	0.21
(1,2115)	1:129:A:ASN:HB2	1:130:A:THR:H	4	0.21
(1,2104)	1:124:A:LEU:HD11	1:158:A:TYR:HE1	5	0.21
(1,2104)	1:124:A:LEU:HD11	1:158:A:TYR:HE2	5	0.21
(1,2104)	1:124:A:LEU:HD12	1:158:A:TYR:HE1	5	0.21
(1,2104)	1:124:A:LEU:HD12	1:158:A:TYR:HE2	5	0.21
(1,2104)	1:124:A:LEU:HD13	1:158:A:TYR:HE1	5	0.21
(1,2104)	1:124:A:LEU:HD13	1:158:A:TYR:HE2	5	0.21
(1,2104)	1:124:A:LEU:HD21	1:158:A:TYR:HE1	5	0.21
(1,2104)	1:124:A:LEU:HD21	1:158:A:TYR:HE2	5	0.21
(1,2104)	1:124:A:LEU:HD22	1:158:A:TYR:HE1	5	0.21
(1,2104)	1:124:A:LEU:HD22	1:158:A:TYR:HE2	5	0.21
(1,2104)	1:124:A:LEU:HD23	1:158:A:TYR:HE1	5	0.21
(1,2104)	1:124:A:LEU:HD23	1:158:A:TYR:HE2	5	0.21
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD11	15	0.21
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD12	15	0.21
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD13	15	0.21
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD21	15	0.21
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD22	15	0.21
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD23	15	0.21
(1,2044)	1:10:A:VAL:HB	1:32:A:VAL:HB	12	0.21
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB1	16	0.21
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB2	16	0.21
(1,2043)	1:10:A:VAL:HB	1:150:A:ALA:HB3	16	0.21
(1,1963)	1:98:A:ASN:HD22	1:141:A:GLY:HA3	6	0.21
(1,1938)	1:95:A:SER:HA	1:148:A:ALA:HB1	15	0.21
(1,1938)	1:95:A:SER:HA	1:148:A:ALA:HB2	15	0.21
(1,1938)	1:95:A:SER:HA	1:148:A:ALA:HB3	15	0.21
(1,1878)	1:78:A:ILE:HD11	1:87:A:ALA:HA	3	0.21
(1,1878)	1:78:A:ILE:HD12	1:87:A:ALA:HA	3	0.21
(1,1878)	1:78:A:ILE:HD13	1:87:A:ALA:HA	3	0.21
(1,1827)	1:70:A:ALA:HB1	1:157:A:GLN:HB2	10	0.21
(1,1827)	1:70:A:ALA:HB2	1:157:A:GLN:HB2	10	0.21
(1,1827)	1:70:A:ALA:HB3	1:157:A:GLN:HB2	10	0.21
(1,1793)	1:63:A:THR:HB	1:65:A:VAL:H	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1793)	1:63:A:THR:HB	1:65:A:VAL:H	17	0.21
(1,1753)	1:51:A:ALA:HB1	1:134:A:GLN:HE22	10	0.21
(1,1753)	1:51:A:ALA:HB2	1:134:A:GLN:HE22	10	0.21
(1,1753)	1:51:A:ALA:HB3	1:134:A:GLN:HE22	10	0.21
(1,1733)	1:48:A:THR:HB	1:136:A:ARG:HG2	1	0.21
(1,1733)	1:48:A:THR:HB	1:136:A:ARG:HG3	1	0.21
(1,1732)	1:48:A:THR:HB	1:136:A:ARG:HE	1	0.21
(1,1732)	1:48:A:THR:HB	1:136:A:ARG:HE	10	0.21
(1,1708)	1:42:A:LEU:H	1:47:A:ALA:HB1	9	0.21
(1,1708)	1:42:A:LEU:H	1:47:A:ALA:HB2	9	0.21
(1,1708)	1:42:A:LEU:H	1:47:A:ALA:HB3	9	0.21
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB1	17	0.21
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB2	17	0.21
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB3	17	0.21
(1,1634)	1:16:A:VAL:H	1:155:A:LYS:HA	10	0.21
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE1	15	0.21
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE2	15	0.21
(1,1623)	1:154:A:PHE:HE1	1:156:A:VAL:H	13	0.21
(1,1623)	1:154:A:PHE:HE2	1:156:A:VAL:H	13	0.21
(1,1601)	1:141:A:GLY:H	1:142:A:ALA:H	1	0.21
(1,1601)	1:141:A:GLY:H	1:142:A:ALA:H	6	0.21
(1,1469)	1:104:A:LEU:HD21	1:136:A:ARG:HE	2	0.21
(1,1469)	1:104:A:LEU:HD22	1:136:A:ARG:HE	2	0.21
(1,1469)	1:104:A:LEU:HD23	1:136:A:ARG:HE	2	0.21
(1,1440)	1:102:A:GLN:HB3	1:103:A:ILE:H	15	0.21
(1,1418)	1:96:A:ALA:HB1	1:144:A:THR:H	6	0.21
(1,1418)	1:96:A:ALA:HB2	1:144:A:THR:H	6	0.21
(1,1418)	1:96:A:ALA:HB3	1:144:A:THR:H	6	0.21
(1,1382)	1:76:A:THR:H	1:86:A:LEU:HA	4	0.21
(1,1377)	1:74:A:LEU:HB3	1:153:A:THR:HB	5	0.21
(1,1349)	1:67:A:SER:HA	1:123:A:THR:HA	8	0.21
(1,1322)	1:4:A:THR:HG21	1:36:A:GLN:HG3	3	0.21
(1,1322)	1:4:A:THR:HG22	1:36:A:GLN:HG3	3	0.21
(1,1322)	1:4:A:THR:HG23	1:36:A:GLN:HG3	3	0.21
(1,1308)	1:43:A:ALA:H	1:139:A:ALA:HB1	11	0.21
(1,1308)	1:43:A:ALA:H	1:139:A:ALA:HB2	11	0.21
(1,1308)	1:43:A:ALA:H	1:139:A:ALA:HB3	11	0.21
(1,1308)	1:43:A:ALA:H	1:139:A:ALA:HB1	19	0.21
(1,1308)	1:43:A:ALA:H	1:139:A:ALA:HB2	19	0.21
(1,1308)	1:43:A:ALA:H	1:139:A:ALA:HB3	19	0.21
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD11	1	0.21
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD12	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD13	1	0.21
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD21	1	0.21
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD22	1	0.21
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD23	1	0.21
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD11	1	0.21
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD12	1	0.21
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD13	1	0.21
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD21	1	0.21
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD22	1	0.21
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD23	1	0.21
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD11	1	0.21
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD12	1	0.21
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD13	1	0.21
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD21	1	0.21
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD22	1	0.21
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD23	1	0.21
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD11	4	0.21
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD12	4	0.21
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD13	4	0.21
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD21	4	0.21
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD22	4	0.21
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD23	4	0.21
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD11	4	0.21
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD12	4	0.21
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD13	4	0.21
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD21	4	0.21
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD22	4	0.21
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD23	4	0.21
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD11	4	0.21
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD12	4	0.21
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD13	4	0.21
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD21	4	0.21
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD22	4	0.21
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD23	4	0.21
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD11	12	0.21
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD12	12	0.21
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD13	12	0.21
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD21	12	0.21
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD22	12	0.21
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD23	12	0.21
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD11	12	0.21
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD12	12	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD13	12	0.21
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD21	12	0.21
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD22	12	0.21
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD23	12	0.21
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD11	12	0.21
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD12	12	0.21
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD13	12	0.21
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD21	12	0.21
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD22	12	0.21
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD23	12	0.21
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD11	17	0.21
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD12	17	0.21
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD13	17	0.21
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD21	17	0.21
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD22	17	0.21
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD23	17	0.21
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD11	17	0.21
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD12	17	0.21
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD13	17	0.21
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD21	17	0.21
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD22	17	0.21
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD23	17	0.21
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD11	17	0.21
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD12	17	0.21
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD13	17	0.21
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD21	17	0.21
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD22	17	0.21
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD23	17	0.21
(1,1261)	1:16:A:VAL:HB	1:17:A:VAL:H	15	0.21
(1,1257)	1:158:A:TYR:H	1:158:A:TYR:HB2	12	0.21
(1,1253)	1:156:A:VAL:H	1:156:A:VAL:HB	9	0.21
(1,1253)	1:156:A:VAL:H	1:156:A:VAL:HB	11	0.21
(1,1253)	1:156:A:VAL:H	1:156:A:VAL:HB	12	0.21
(1,1253)	1:156:A:VAL:H	1:156:A:VAL:HB	13	0.21
(1,1253)	1:156:A:VAL:H	1:156:A:VAL:HB	20	0.21
(1,1207)	1:11:A:HIS:HD2	1:12:A:PHE:H	17	0.21
(1,1171)	1:97:A:THR:HB	1:98:A:ASN:H	2	0.21
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG21	3	0.21
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG22	3	0.21
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG23	3	0.21
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG21	18	0.21
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG22	18	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG23	18	0.21
(1,1099)	1:48:A:THR:HG21	1:136:A:ARG:HG2	17	0.21
(1,1099)	1:48:A:THR:HG21	1:136:A:ARG:HG3	17	0.21
(1,1099)	1:48:A:THR:HG22	1:136:A:ARG:HG2	17	0.21
(1,1099)	1:48:A:THR:HG22	1:136:A:ARG:HG3	17	0.21
(1,1099)	1:48:A:THR:HG23	1:136:A:ARG:HG2	17	0.21
(1,1099)	1:48:A:THR:HG23	1:136:A:ARG:HG3	17	0.21
(1,1091)	1:43:A:ALA:H	1:44:A:GLN:HE21	2	0.21
(1,1091)	1:43:A:ALA:H	1:44:A:GLN:HE21	9	0.21
(1,1068)	1:142:A:ALA:H	1:143:A:ALA:H	9	0.21
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB1	4	0.21
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB2	4	0.21
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB3	4	0.21
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB1	14	0.21
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB2	14	0.21
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB3	14	0.21
(1,909)	1:95:A:SER:HA	1:149:A:ASN:H	18	0.21
(1,904)	1:88:A:LEU:HG	1:100:A:GLY:HA3	2	0.21
(1,879)	1:69:A:ALA:H	1:121:A:GLU:HB3	5	0.21
(1,879)	1:69:A:ALA:H	1:121:A:GLU:HB3	16	0.21
(1,859)	1:44:A:GLN:H	1:47:A:ALA:H	10	0.21
(1,815)	1:127:A:GLY:H	1:128:A:THR:H	14	0.21
(1,815)	1:127:A:GLY:H	1:128:A:THR:H	15	0.21
(1,770)	1:79:A:ASP:HB2	1:81:A:GLY:H	2	0.21
(1,748)	1:54:A:PHE:HD1	1:134:A:GLN:H	13	0.21
(1,748)	1:54:A:PHE:HD2	1:134:A:GLN:H	13	0.21
(1,740)	1:42:A:LEU:HA	1:43:A:ALA:HB1	15	0.21
(1,740)	1:42:A:LEU:HA	1:43:A:ALA:HB2	15	0.21
(1,740)	1:42:A:LEU:HA	1:43:A:ALA:HB3	15	0.21
(1,725)	1:19:A:ALA:HB1	1:21:A:CYS:H	2	0.21
(1,725)	1:19:A:ALA:HB2	1:21:A:CYS:H	2	0.21
(1,725)	1:19:A:ALA:HB3	1:21:A:CYS:H	2	0.21
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG11	4	0.21
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG12	4	0.21
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG13	4	0.21
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG11	13	0.21
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG12	13	0.21
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG13	13	0.21
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG11	16	0.21
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG12	16	0.21
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG13	16	0.21
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG11	20	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG12	20	0.21
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG13	20	0.21
(1,704)	1:122:A:THR:HG21	1:123:A:THR:H	20	0.21
(1,704)	1:122:A:THR:HG22	1:123:A:THR:H	20	0.21
(1,704)	1:122:A:THR:HG23	1:123:A:THR:H	20	0.21
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB1	5	0.21
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB2	5	0.21
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB3	5	0.21
(1,683)	1:9:A:THR:H	1:149:A:ASN:H	6	0.21
(1,670)	1:70:A:ALA:HB1	1:121:A:GLU:HG2	5	0.21
(1,670)	1:70:A:ALA:HB2	1:121:A:GLU:HG2	5	0.21
(1,670)	1:70:A:ALA:HB3	1:121:A:GLU:HG2	5	0.21
(1,648)	1:19:A:ALA:H	1:22:A:ALA:HA	1	0.21
(1,648)	1:19:A:ALA:H	1:22:A:ALA:HA	19	0.21
(1,639)	1:140:A:THR:H	1:143:A:ALA:H	15	0.21
(1,567)	1:136:A:ARG:HA	1:137:A:TYR:HE1	16	0.21
(1,567)	1:136:A:ARG:HA	1:137:A:TYR:HE2	16	0.21
(1,536)	1:42:A:LEU:HD11	1:138:A:PHE:H	7	0.21
(1,536)	1:42:A:LEU:HD12	1:138:A:PHE:H	7	0.21
(1,536)	1:42:A:LEU:HD13	1:138:A:PHE:H	7	0.21
(1,493)	1:18:A:ASN:H	1:18:A:ASN:HB2	8	0.21
(1,489)	1:14:A:GLY:HA2	1:153:A:THR:HA	18	0.21
(1,475)	1:102:A:GLN:HB3	1:136:A:ARG:HG2	17	0.21
(1,475)	1:102:A:GLN:HB3	1:136:A:ARG:HG3	17	0.21
(1,472)	1:93:A:ALA:HB1	1:95:A:SER:H	11	0.21
(1,472)	1:93:A:ALA:HB2	1:95:A:SER:H	11	0.21
(1,472)	1:93:A:ALA:HB3	1:95:A:SER:H	11	0.21
(1,465)	1:74:A:LEU:HD21	1:153:A:THR:H	4	0.21
(1,465)	1:74:A:LEU:HD22	1:153:A:THR:H	4	0.21
(1,465)	1:74:A:LEU:HD23	1:153:A:THR:H	4	0.21
(1,465)	1:74:A:LEU:HD21	1:153:A:THR:H	5	0.21
(1,465)	1:74:A:LEU:HD22	1:153:A:THR:H	5	0.21
(1,465)	1:74:A:LEU:HD23	1:153:A:THR:H	5	0.21
(1,359)	1:113:A:LEU:HD11	1:151:A:ASP:H	6	0.21
(1,359)	1:113:A:LEU:HD12	1:151:A:ASP:H	6	0.21
(1,359)	1:113:A:LEU:HD13	1:151:A:ASP:H	6	0.21
(1,359)	1:113:A:LEU:HD21	1:151:A:ASP:H	6	0.21
(1,359)	1:113:A:LEU:HD22	1:151:A:ASP:H	6	0.21
(1,359)	1:113:A:LEU:HD23	1:151:A:ASP:H	6	0.21
(1,353)	1:99:A:VAL:HG21	1:100:A:GLY:H	11	0.21
(1,353)	1:99:A:VAL:HG22	1:100:A:GLY:H	11	0.21
(1,353)	1:99:A:VAL:HG23	1:100:A:GLY:H	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,353)	1:99:A:VAL:HG21	1:100:A:GLY:H	12	0.21
(1,353)	1:99:A:VAL:HG22	1:100:A:GLY:H	12	0.21
(1,353)	1:99:A:VAL:HG23	1:100:A:GLY:H	12	0.21
(1,334)	1:16:A:VAL:HG11	1:23:A:VAL:HB	17	0.21
(1,334)	1:16:A:VAL:HG12	1:23:A:VAL:HB	17	0.21
(1,334)	1:16:A:VAL:HG13	1:23:A:VAL:HB	17	0.21
(1,334)	1:16:A:VAL:HG21	1:23:A:VAL:HB	17	0.21
(1,334)	1:16:A:VAL:HG22	1:23:A:VAL:HB	17	0.21
(1,334)	1:16:A:VAL:HG23	1:23:A:VAL:HB	17	0.21
(1,331)	1:14:A:GLY:HA2	1:15:A:GLU:H	19	0.21
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB1	4	0.21
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB2	4	0.21
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB3	4	0.21
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB1	10	0.21
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB2	10	0.21
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB3	10	0.21
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB1	17	0.21
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB2	17	0.21
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB3	17	0.21
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG21	3	0.21
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG22	3	0.21
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG23	3	0.21
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG21	9	0.21
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG22	9	0.21
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG23	9	0.21
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD21	5	0.21
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD22	5	0.21
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD23	5	0.21
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD21	16	0.21
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD22	16	0.21
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD23	16	0.21
(1,269)	1:34:A:LEU:HA	1:52:A:VAL:HA	13	0.21
(1,259)	1:101:A:VAL:HG11	1:138:A:PHE:H	12	0.21
(1,259)	1:101:A:VAL:HG12	1:138:A:PHE:H	12	0.21
(1,259)	1:101:A:VAL:HG13	1:138:A:PHE:H	12	0.21
(1,259)	1:101:A:VAL:HG11	1:138:A:PHE:H	18	0.21
(1,259)	1:101:A:VAL:HG12	1:138:A:PHE:H	18	0.21
(1,259)	1:101:A:VAL:HG13	1:138:A:PHE:H	18	0.21
(1,243)	1:73:A:PHE:HD1	1:119:A:SER:H	4	0.21
(1,243)	1:73:A:PHE:HD2	1:119:A:SER:H	4	0.21
(1,243)	1:73:A:PHE:HD1	1:119:A:SER:H	5	0.21
(1,243)	1:73:A:PHE:HD2	1:119:A:SER:H	5	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,243)	1:73:A:PHE:HD1	1:119:A:SER:H	6	0.21
(1,243)	1:73:A:PHE:HD2	1:119:A:SER:H	6	0.21
(1,243)	1:73:A:PHE:HD1	1:119:A:SER:H	9	0.21
(1,243)	1:73:A:PHE:HD2	1:119:A:SER:H	9	0.21
(1,243)	1:73:A:PHE:HD1	1:119:A:SER:H	10	0.21
(1,243)	1:73:A:PHE:HD2	1:119:A:SER:H	10	0.21
(1,243)	1:73:A:PHE:HD1	1:119:A:SER:H	11	0.21
(1,243)	1:73:A:PHE:HD2	1:119:A:SER:H	11	0.21
(1,243)	1:73:A:PHE:HD1	1:119:A:SER:H	14	0.21
(1,243)	1:73:A:PHE:HD2	1:119:A:SER:H	14	0.21
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB1	14	0.21
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB2	14	0.21
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB3	14	0.21
(1,176)	1:32:A:VAL:HG11	1:54:A:PHE:HB2	20	0.21
(1,176)	1:32:A:VAL:HG11	1:54:A:PHE:HB3	20	0.21
(1,176)	1:32:A:VAL:HG12	1:54:A:PHE:HB2	20	0.21
(1,176)	1:32:A:VAL:HG12	1:54:A:PHE:HB3	20	0.21
(1,176)	1:32:A:VAL:HG13	1:54:A:PHE:HB2	20	0.21
(1,176)	1:32:A:VAL:HG13	1:54:A:PHE:HB3	20	0.21
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG21	2	0.21
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG22	2	0.21
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG23	2	0.21
(1,162)	1:18:A:ASN:HA	1:18:A:ASN:HD21	14	0.21
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG21	5	0.21
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG22	5	0.21
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG23	5	0.21
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG21	5	0.21
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG22	5	0.21
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG23	5	0.21
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG21	5	0.21
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG22	5	0.21
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG23	5	0.21
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG21	6	0.21
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG22	6	0.21
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG23	6	0.21
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG21	6	0.21
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG22	6	0.21
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG23	6	0.21
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG21	6	0.21
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG22	6	0.21
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG23	6	0.21
(1,95)	1:152:A:ALA:HB1	1:154:A:PHE:H	5	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,95)	1:152:A:ALA:HB2	1:154:A:PHE:H	5	0.21
(1,95)	1:152:A:ALA:HB3	1:154:A:PHE:H	5	0.21
(1,85)	1:100:A:GLY:H	1:138:A:PHE:HD1	15	0.21
(1,85)	1:100:A:GLY:H	1:138:A:PHE:HD2	15	0.21
(1,81)	1:71:A:VAL:H	1:156:A:VAL:HG11	10	0.21
(1,81)	1:71:A:VAL:H	1:156:A:VAL:HG12	10	0.21
(1,81)	1:71:A:VAL:H	1:156:A:VAL:HG13	10	0.21
(1,54)	1:74:A:LEU:HG	1:152:A:ALA:HA	9	0.21
(1,50)	1:24:A:ASP:H	1:28:A:VAL:H	7	0.21
(1,50)	1:24:A:ASP:H	1:28:A:VAL:H	11	0.21
(1,50)	1:24:A:ASP:H	1:28:A:VAL:H	19	0.21
(1,50)	1:24:A:ASP:H	1:28:A:VAL:H	20	0.21
(1,48)	1:150:A:ALA:HB1	1:152:A:ALA:HA	14	0.21
(1,48)	1:150:A:ALA:HB2	1:152:A:ALA:HA	14	0.21
(1,48)	1:150:A:ALA:HB3	1:152:A:ALA:HA	14	0.21
(1,42)	1:156:A:VAL:HA	1:158:A:TYR:H	12	0.21
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG21	13	0.21
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG22	13	0.21
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG23	13	0.21
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG21	13	0.21
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG22	13	0.21
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG23	13	0.21
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG21	13	0.21
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG22	13	0.21
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG23	13	0.21
(1,33)	1:91:A:SER:H	1:93:A:ALA:H	10	0.21
(1,14)	1:115:A:GLY:HA2	1:155:A:LYS:HD2	10	0.21
(1,14)	1:115:A:GLY:HA2	1:155:A:LYS:HD3	10	0.21
(1,3)	1:12:A:PHE:HZ	1:73:A:PHE:HZ	4	0.21
(1,3)	1:12:A:PHE:HZ	1:73:A:PHE:HZ	12	0.21
(1,3478)	1:126:A:ASN:H	1:126:A:ASN:HD21	20	0.2
(1,3478)	1:126:A:ASN:H	1:126:A:ASN:HD22	20	0.2
(1,3449)	1:106:A:ARG:HA	1:119:A:SER:HB2	11	0.2
(1,3449)	1:106:A:ARG:HA	1:119:A:SER:HB3	11	0.2
(1,3449)	1:106:A:ARG:HA	1:119:A:SER:HB2	15	0.2
(1,3449)	1:106:A:ARG:HA	1:119:A:SER:HB3	15	0.2
(1,3393)	1:99:A:VAL:HG11	1:138:A:PHE:H	2	0.2
(1,3393)	1:99:A:VAL:HG12	1:138:A:PHE:H	2	0.2
(1,3393)	1:99:A:VAL:HG13	1:138:A:PHE:H	2	0.2
(1,3393)	1:99:A:VAL:HG21	1:138:A:PHE:H	2	0.2
(1,3393)	1:99:A:VAL:HG22	1:138:A:PHE:H	2	0.2
(1,3393)	1:99:A:VAL:HG23	1:138:A:PHE:H	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3393)	1:99:A:VAL:HG11	1:138:A:PHE:H	3	0.2
(1,3393)	1:99:A:VAL:HG12	1:138:A:PHE:H	3	0.2
(1,3393)	1:99:A:VAL:HG13	1:138:A:PHE:H	3	0.2
(1,3393)	1:99:A:VAL:HG21	1:138:A:PHE:H	3	0.2
(1,3393)	1:99:A:VAL:HG22	1:138:A:PHE:H	3	0.2
(1,3393)	1:99:A:VAL:HG23	1:138:A:PHE:H	3	0.2
(1,3393)	1:99:A:VAL:HG11	1:138:A:PHE:H	5	0.2
(1,3393)	1:99:A:VAL:HG12	1:138:A:PHE:H	5	0.2
(1,3393)	1:99:A:VAL:HG13	1:138:A:PHE:H	5	0.2
(1,3393)	1:99:A:VAL:HG21	1:138:A:PHE:H	5	0.2
(1,3393)	1:99:A:VAL:HG22	1:138:A:PHE:H	5	0.2
(1,3393)	1:99:A:VAL:HG23	1:138:A:PHE:H	5	0.2
(1,3393)	1:99:A:VAL:HG11	1:138:A:PHE:H	6	0.2
(1,3393)	1:99:A:VAL:HG12	1:138:A:PHE:H	6	0.2
(1,3393)	1:99:A:VAL:HG13	1:138:A:PHE:H	6	0.2
(1,3393)	1:99:A:VAL:HG21	1:138:A:PHE:H	6	0.2
(1,3393)	1:99:A:VAL:HG22	1:138:A:PHE:H	6	0.2
(1,3393)	1:99:A:VAL:HG23	1:138:A:PHE:H	6	0.2
(1,3393)	1:99:A:VAL:HG11	1:138:A:PHE:H	8	0.2
(1,3393)	1:99:A:VAL:HG12	1:138:A:PHE:H	8	0.2
(1,3393)	1:99:A:VAL:HG13	1:138:A:PHE:H	8	0.2
(1,3393)	1:99:A:VAL:HG21	1:138:A:PHE:H	8	0.2
(1,3393)	1:99:A:VAL:HG22	1:138:A:PHE:H	8	0.2
(1,3393)	1:99:A:VAL:HG23	1:138:A:PHE:H	8	0.2
(1,3393)	1:99:A:VAL:HG11	1:138:A:PHE:H	18	0.2
(1,3393)	1:99:A:VAL:HG12	1:138:A:PHE:H	18	0.2
(1,3393)	1:99:A:VAL:HG13	1:138:A:PHE:H	18	0.2
(1,3393)	1:99:A:VAL:HG21	1:138:A:PHE:H	18	0.2
(1,3393)	1:99:A:VAL:HG22	1:138:A:PHE:H	18	0.2
(1,3393)	1:99:A:VAL:HG23	1:138:A:PHE:H	18	0.2
(1,3393)	1:99:A:VAL:HG11	1:138:A:PHE:H	19	0.2
(1,3393)	1:99:A:VAL:HG12	1:138:A:PHE:H	19	0.2
(1,3393)	1:99:A:VAL:HG13	1:138:A:PHE:H	19	0.2
(1,3393)	1:99:A:VAL:HG21	1:138:A:PHE:H	19	0.2
(1,3393)	1:99:A:VAL:HG22	1:138:A:PHE:H	19	0.2
(1,3393)	1:99:A:VAL:HG23	1:138:A:PHE:H	19	0.2
(1,3387)	1:99:A:VAL:HG11	1:100:A:GLY:H	14	0.2
(1,3387)	1:99:A:VAL:HG12	1:100:A:GLY:H	14	0.2
(1,3387)	1:99:A:VAL:HG13	1:100:A:GLY:H	14	0.2
(1,3387)	1:99:A:VAL:HG21	1:100:A:GLY:H	14	0.2
(1,3387)	1:99:A:VAL:HG22	1:100:A:GLY:H	14	0.2
(1,3387)	1:99:A:VAL:HG23	1:100:A:GLY:H	14	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3363)	1:89:A:GLN:HB2	1:90:A:SER:H	19	0.2
(1,3363)	1:89:A:GLN:HB3	1:90:A:SER:H	19	0.2
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG11	3	0.2
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG12	3	0.2
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG13	3	0.2
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG21	3	0.2
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG22	3	0.2
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG23	3	0.2
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG11	3	0.2
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG12	3	0.2
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG13	3	0.2
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG21	3	0.2
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG22	3	0.2
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG23	3	0.2
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG11	3	0.2
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG12	3	0.2
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG13	3	0.2
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG21	3	0.2
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG22	3	0.2
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG23	3	0.2
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG11	3	0.2
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG12	3	0.2
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG13	3	0.2
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG21	3	0.2
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG22	3	0.2
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG23	3	0.2
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG11	3	0.2
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG12	3	0.2
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG13	3	0.2
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG21	3	0.2
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG22	3	0.2
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG23	3	0.2
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG11	3	0.2
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG12	3	0.2
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG13	3	0.2
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG21	3	0.2
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG22	3	0.2
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG23	3	0.2
(1,3318)	1:85:A:VAL:HA	1:102:A:GLN:HG2	4	0.2
(1,3318)	1:85:A:VAL:HA	1:102:A:GLN:HG3	4	0.2
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD1	4	0.2
(1,3117)	1:50:A:SER:HB2	1:137:A:TYR:HD2	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD1	4	0.2
(1,3117)	1:50:A:SER:HB3	1:137:A:TYR:HD2	4	0.2
(1,3065)	1:42:A:LEU:HD11	1:48:A:THR:HB	2	0.2
(1,3065)	1:42:A:LEU:HD12	1:48:A:THR:HB	2	0.2
(1,3065)	1:42:A:LEU:HD13	1:48:A:THR:HB	2	0.2
(1,3065)	1:42:A:LEU:HD21	1:48:A:THR:HB	2	0.2
(1,3065)	1:42:A:LEU:HD22	1:48:A:THR:HB	2	0.2
(1,3065)	1:42:A:LEU:HD23	1:48:A:THR:HB	2	0.2
(1,3022)	1:34:A:LEU:HD11	1:137:A:TYR:HE1	1	0.2
(1,3022)	1:34:A:LEU:HD11	1:137:A:TYR:HE2	1	0.2
(1,3022)	1:34:A:LEU:HD12	1:137:A:TYR:HE1	1	0.2
(1,3022)	1:34:A:LEU:HD12	1:137:A:TYR:HE2	1	0.2
(1,3022)	1:34:A:LEU:HD13	1:137:A:TYR:HE1	1	0.2
(1,3022)	1:34:A:LEU:HD13	1:137:A:TYR:HE2	1	0.2
(1,3022)	1:34:A:LEU:HD21	1:137:A:TYR:HE1	1	0.2
(1,3022)	1:34:A:LEU:HD21	1:137:A:TYR:HE2	1	0.2
(1,3022)	1:34:A:LEU:HD22	1:137:A:TYR:HE1	1	0.2
(1,3022)	1:34:A:LEU:HD22	1:137:A:TYR:HE2	1	0.2
(1,3022)	1:34:A:LEU:HD23	1:137:A:TYR:HE1	1	0.2
(1,3022)	1:34:A:LEU:HD23	1:137:A:TYR:HE2	1	0.2
(1,3022)	1:34:A:LEU:HD11	1:137:A:TYR:HE1	3	0.2
(1,3022)	1:34:A:LEU:HD11	1:137:A:TYR:HE2	3	0.2
(1,3022)	1:34:A:LEU:HD12	1:137:A:TYR:HE1	3	0.2
(1,3022)	1:34:A:LEU:HD12	1:137:A:TYR:HE2	3	0.2
(1,3022)	1:34:A:LEU:HD13	1:137:A:TYR:HE1	3	0.2
(1,3022)	1:34:A:LEU:HD13	1:137:A:TYR:HE2	3	0.2
(1,3022)	1:34:A:LEU:HD21	1:137:A:TYR:HE1	3	0.2
(1,3022)	1:34:A:LEU:HD21	1:137:A:TYR:HE2	3	0.2
(1,3022)	1:34:A:LEU:HD22	1:137:A:TYR:HE1	3	0.2
(1,3022)	1:34:A:LEU:HD22	1:137:A:TYR:HE2	3	0.2
(1,3022)	1:34:A:LEU:HD23	1:137:A:TYR:HE1	3	0.2
(1,3022)	1:34:A:LEU:HD23	1:137:A:TYR:HE2	3	0.2
(1,3022)	1:34:A:LEU:HD11	1:137:A:TYR:HE1	10	0.2
(1,3022)	1:34:A:LEU:HD11	1:137:A:TYR:HE2	10	0.2
(1,3022)	1:34:A:LEU:HD12	1:137:A:TYR:HE1	10	0.2
(1,3022)	1:34:A:LEU:HD12	1:137:A:TYR:HE2	10	0.2
(1,3022)	1:34:A:LEU:HD13	1:137:A:TYR:HE1	10	0.2
(1,3022)	1:34:A:LEU:HD13	1:137:A:TYR:HE2	10	0.2
(1,3022)	1:34:A:LEU:HD21	1:137:A:TYR:HE1	10	0.2
(1,3022)	1:34:A:LEU:HD21	1:137:A:TYR:HE2	10	0.2
(1,3022)	1:34:A:LEU:HD22	1:137:A:TYR:HE1	10	0.2
(1,3022)	1:34:A:LEU:HD22	1:137:A:TYR:HE2	10	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3022)	1:34:A:LEU:HD23	1:137:A:TYR:HE1	10	0.2
(1,3022)	1:34:A:LEU:HD23	1:137:A:TYR:HE2	10	0.2
(1,3022)	1:34:A:LEU:HD11	1:137:A:TYR:HE1	18	0.2
(1,3022)	1:34:A:LEU:HD11	1:137:A:TYR:HE2	18	0.2
(1,3022)	1:34:A:LEU:HD12	1:137:A:TYR:HE1	18	0.2
(1,3022)	1:34:A:LEU:HD12	1:137:A:TYR:HE2	18	0.2
(1,3022)	1:34:A:LEU:HD13	1:137:A:TYR:HE1	18	0.2
(1,3022)	1:34:A:LEU:HD13	1:137:A:TYR:HE2	18	0.2
(1,3022)	1:34:A:LEU:HD21	1:137:A:TYR:HE1	18	0.2
(1,3022)	1:34:A:LEU:HD21	1:137:A:TYR:HE2	18	0.2
(1,3022)	1:34:A:LEU:HD22	1:137:A:TYR:HE1	18	0.2
(1,3022)	1:34:A:LEU:HD22	1:137:A:TYR:HE2	18	0.2
(1,3022)	1:34:A:LEU:HD23	1:137:A:TYR:HE1	18	0.2
(1,3022)	1:34:A:LEU:HD23	1:137:A:TYR:HE2	18	0.2
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG11	9	0.2
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG12	9	0.2
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG13	9	0.2
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG11	9	0.2
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG12	9	0.2
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG13	9	0.2
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG11	9	0.2
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG12	9	0.2
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG13	9	0.2
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG11	9	0.2
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG12	9	0.2
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG13	9	0.2
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG11	9	0.2
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG12	9	0.2
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG13	9	0.2
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG11	9	0.2
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG12	9	0.2
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG13	9	0.2
(1,2977)	1:27:A:SER:HB2	1:30:A:GLN:HG2	5	0.2
(1,2977)	1:27:A:SER:HB3	1:30:A:GLN:HG2	5	0.2
(1,2975)	1:27:A:SER:HB2	1:28:A:VAL:H	8	0.2
(1,2975)	1:27:A:SER:HB3	1:28:A:VAL:H	8	0.2
(1,2947)	1:23:A:VAL:HG11	1:27:A:SER:HB2	2	0.2
(1,2947)	1:23:A:VAL:HG11	1:27:A:SER:HB3	2	0.2
(1,2947)	1:23:A:VAL:HG12	1:27:A:SER:HB2	2	0.2
(1,2947)	1:23:A:VAL:HG12	1:27:A:SER:HB3	2	0.2
(1,2947)	1:23:A:VAL:HG13	1:27:A:SER:HB2	2	0.2
(1,2947)	1:23:A:VAL:HG13	1:27:A:SER:HB3	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2947)	1:23:A:VAL:HG21	1:27:A:SER:HB2	2	0.2
(1,2947)	1:23:A:VAL:HG21	1:27:A:SER:HB3	2	0.2
(1,2947)	1:23:A:VAL:HG22	1:27:A:SER:HB2	2	0.2
(1,2947)	1:23:A:VAL:HG22	1:27:A:SER:HB3	2	0.2
(1,2947)	1:23:A:VAL:HG23	1:27:A:SER:HB2	2	0.2
(1,2947)	1:23:A:VAL:HG23	1:27:A:SER:HB3	2	0.2
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG11	8	0.2
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG12	8	0.2
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG13	8	0.2
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG21	8	0.2
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG22	8	0.2
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG23	8	0.2
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG11	8	0.2
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG12	8	0.2
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG13	8	0.2
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG21	8	0.2
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG22	8	0.2
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG23	8	0.2
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG11	8	0.2
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG12	8	0.2
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG13	8	0.2
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG21	8	0.2
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG22	8	0.2
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG23	8	0.2
(1,2902)	1:16:A:VAL:HG11	1:18:A:ASN:H	2	0.2
(1,2902)	1:16:A:VAL:HG12	1:18:A:ASN:H	2	0.2
(1,2902)	1:16:A:VAL:HG13	1:18:A:ASN:H	2	0.2
(1,2902)	1:16:A:VAL:HG21	1:18:A:ASN:H	2	0.2
(1,2902)	1:16:A:VAL:HG22	1:18:A:ASN:H	2	0.2
(1,2902)	1:16:A:VAL:HG23	1:18:A:ASN:H	2	0.2
(1,2902)	1:16:A:VAL:HG11	1:18:A:ASN:H	19	0.2
(1,2902)	1:16:A:VAL:HG12	1:18:A:ASN:H	19	0.2
(1,2902)	1:16:A:VAL:HG13	1:18:A:ASN:H	19	0.2
(1,2902)	1:16:A:VAL:HG21	1:18:A:ASN:H	19	0.2
(1,2902)	1:16:A:VAL:HG22	1:18:A:ASN:H	19	0.2
(1,2902)	1:16:A:VAL:HG23	1:18:A:ASN:H	19	0.2
(1,2853)	1:10:A:VAL:HG11	1:32:A:VAL:HA	2	0.2
(1,2853)	1:10:A:VAL:HG12	1:32:A:VAL:HA	2	0.2
(1,2853)	1:10:A:VAL:HG13	1:32:A:VAL:HA	2	0.2
(1,2853)	1:10:A:VAL:HG21	1:32:A:VAL:HA	2	0.2
(1,2853)	1:10:A:VAL:HG22	1:32:A:VAL:HA	2	0.2
(1,2853)	1:10:A:VAL:HG23	1:32:A:VAL:HA	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD11	10	0.2
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD12	10	0.2
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD13	10	0.2
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD21	10	0.2
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD22	10	0.2
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD23	10	0.2
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD11	10	0.2
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD12	10	0.2
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD13	10	0.2
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD21	10	0.2
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD22	10	0.2
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD23	10	0.2
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD11	10	0.2
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD12	10	0.2
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD13	10	0.2
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD21	10	0.2
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD22	10	0.2
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD23	10	0.2
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD11	10	0.2
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD12	10	0.2
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD13	10	0.2
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD21	10	0.2
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD22	10	0.2
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD23	10	0.2
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD11	10	0.2
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD12	10	0.2
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD13	10	0.2
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD21	10	0.2
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD22	10	0.2
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD23	10	0.2
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD11	10	0.2
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD12	10	0.2
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD13	10	0.2
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD21	10	0.2
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD22	10	0.2
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD23	10	0.2
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD11	13	0.2
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD12	13	0.2
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD13	13	0.2
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD21	13	0.2
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD22	13	0.2
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD23	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD11	13	0.2
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD12	13	0.2
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD13	13	0.2
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD21	13	0.2
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD22	13	0.2
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD23	13	0.2
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD11	13	0.2
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD12	13	0.2
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD13	13	0.2
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD21	13	0.2
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD22	13	0.2
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD23	13	0.2
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD11	13	0.2
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD12	13	0.2
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD13	13	0.2
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD21	13	0.2
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD22	13	0.2
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD23	13	0.2
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD11	13	0.2
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD12	13	0.2
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD13	13	0.2
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD21	13	0.2
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD22	13	0.2
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD23	13	0.2
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD11	13	0.2
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD12	13	0.2
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD13	13	0.2
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD21	13	0.2
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD22	13	0.2
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD23	13	0.2
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD11	17	0.2
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD12	17	0.2
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD13	17	0.2
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD21	17	0.2
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD22	17	0.2
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD23	17	0.2
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD11	17	0.2
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD12	17	0.2
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD13	17	0.2
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD21	17	0.2
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD22	17	0.2
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD23	17	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD11	17	0.2
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD12	17	0.2
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD13	17	0.2
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD21	17	0.2
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD22	17	0.2
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD23	17	0.2
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD11	17	0.2
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD12	17	0.2
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD13	17	0.2
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD21	17	0.2
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD22	17	0.2
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD23	17	0.2
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD11	17	0.2
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD12	17	0.2
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD13	17	0.2
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD21	17	0.2
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD22	17	0.2
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD23	17	0.2
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD11	17	0.2
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD12	17	0.2
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD13	17	0.2
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD21	17	0.2
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD22	17	0.2
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD23	17	0.2
(1,2771)	1:99:A:VAL:H	1:139:A:ALA:HA	14	0.2
(1,2719)	1:89:A:GLN:H	1:89:A:GLN:HE21	4	0.2
(1,2662)	1:82:A:HIS:HB3	1:83:A:THR:H	9	0.2
(1,2662)	1:82:A:HIS:HB3	1:83:A:THR:H	10	0.2
(1,2635)	1:78:A:ILE:HA	1:88:A:LEU:H	6	0.2
(1,2601)	1:74:A:LEU:HB2	1:153:A:THR:H	5	0.2
(1,2601)	1:74:A:LEU:HB2	1:153:A:THR:H	10	0.2
(1,2560)	1:70:A:ALA:HB1	1:118:A:PHE:H	16	0.2
(1,2560)	1:70:A:ALA:HB2	1:118:A:PHE:H	16	0.2
(1,2560)	1:70:A:ALA:HB3	1:118:A:PHE:H	16	0.2
(1,2551)	1:6:A:ASN:H	1:6:A:ASN:HB3	4	0.2
(1,2551)	1:6:A:ASN:H	1:6:A:ASN:HB3	8	0.2
(1,2513)	1:63:A:THR:HA	1:65:A:VAL:H	19	0.2
(1,2503)	1:5:A:VAL:HG21	1:39:A:THR:HA	20	0.2
(1,2503)	1:5:A:VAL:HG22	1:39:A:THR:HA	20	0.2
(1,2503)	1:5:A:VAL:HG23	1:39:A:THR:HA	20	0.2
(1,2453)	1:53:A:GLY:H	1:54:A:PHE:H	10	0.2
(1,2403)	1:45:A:GLU:HB3	1:141:A:GLY:H	10	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG21	13	0.2
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG22	13	0.2
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG23	13	0.2
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG21	14	0.2
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG22	14	0.2
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG23	14	0.2
(1,2357)	1:3:A:THR:HB	1:4:A:THR:H	9	0.2
(1,2316)	1:33:A:GLN:H	1:34:A:LEU:H	1	0.2
(1,2313)	1:32:A:VAL:HG11	1:54:A:PHE:HD1	12	0.2
(1,2313)	1:32:A:VAL:HG11	1:54:A:PHE:HD2	12	0.2
(1,2313)	1:32:A:VAL:HG12	1:54:A:PHE:HD1	12	0.2
(1,2313)	1:32:A:VAL:HG12	1:54:A:PHE:HD2	12	0.2
(1,2313)	1:32:A:VAL:HG13	1:54:A:PHE:HD1	12	0.2
(1,2313)	1:32:A:VAL:HG13	1:54:A:PHE:HD2	12	0.2
(1,2251)	1:21:A:CYS:HB2	1:59:A:ASN:H	5	0.2
(1,2204)	1:155:A:LYS:HB2	1:156:A:VAL:H	3	0.2
(1,2191)	1:149:A:ASN:HD21	1:150:A:ALA:H	9	0.2
(1,2124)	1:130:A:THR:HB	1:131:A:ILE:H	3	0.2
(1,2115)	1:129:A:ASN:HB2	1:130:A:THR:H	9	0.2
(1,2115)	1:129:A:ASN:HB2	1:130:A:THR:H	12	0.2
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD11	7	0.2
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD12	7	0.2
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD13	7	0.2
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD21	7	0.2
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD22	7	0.2
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD23	7	0.2
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD11	17	0.2
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD12	17	0.2
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD13	17	0.2
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD21	17	0.2
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD22	17	0.2
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD23	17	0.2
(1,2044)	1:10:A:VAL:HB	1:32:A:VAL:HB	17	0.2
(1,1963)	1:98:A:ASN:HD22	1:141:A:GLY:HA3	13	0.2
(1,1948)	1:97:A:THR:H	1:148:A:ALA:HB1	3	0.2
(1,1948)	1:97:A:THR:H	1:148:A:ALA:HB2	3	0.2
(1,1948)	1:97:A:THR:H	1:148:A:ALA:HB3	3	0.2
(1,1920)	1:89:A:GLN:HA	1:89:A:GLN:HE21	13	0.2
(1,1913)	1:88:A:LEU:H	1:88:A:LEU:HG	3	0.2
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB1	2	0.2
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB2	2	0.2
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB3	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB1	2	0.2
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB2	2	0.2
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB3	2	0.2
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB1	2	0.2
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB2	2	0.2
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB3	2	0.2
(1,1886)	1:79:A:ASP:H	1:82:A:HIS:H	17	0.2
(1,1872)	1:78:A:ILE:H	1:86:A:LEU:HA	1	0.2
(1,1755)	1:52:A:VAL:H	1:136:A:ARG:H	8	0.2
(1,1753)	1:51:A:ALA:HB1	1:134:A:GLN:HE22	4	0.2
(1,1753)	1:51:A:ALA:HB2	1:134:A:GLN:HE22	4	0.2
(1,1753)	1:51:A:ALA:HB3	1:134:A:GLN:HE22	4	0.2
(1,1734)	1:48:A:THR:HG21	1:138:A:PHE:H	3	0.2
(1,1734)	1:48:A:THR:HG22	1:138:A:PHE:H	3	0.2
(1,1734)	1:48:A:THR:HG23	1:138:A:PHE:H	3	0.2
(1,1708)	1:42:A:LEU:H	1:47:A:ALA:HB1	12	0.2
(1,1708)	1:42:A:LEU:H	1:47:A:ALA:HB2	12	0.2
(1,1708)	1:42:A:LEU:H	1:47:A:ALA:HB3	12	0.2
(1,1704)	1:41:A:SER:H	1:41:A:SER:HB3	15	0.2
(1,1634)	1:16:A:VAL:H	1:155:A:LYS:HA	6	0.2
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE1	2	0.2
(1,1627)	1:156:A:VAL:HB	1:158:A:TYR:HE2	2	0.2
(1,1623)	1:154:A:PHE:HE1	1:156:A:VAL:H	19	0.2
(1,1623)	1:154:A:PHE:HE2	1:156:A:VAL:H	19	0.2
(1,1601)	1:141:A:GLY:H	1:142:A:ALA:H	9	0.2
(1,1578)	1:137:A:TYR:HB3	1:138:A:PHE:HB2	15	0.2
(1,1407)	1:89:A:GLN:HB2	1:90:A:SER:H	6	0.2
(1,1407)	1:89:A:GLN:HB2	1:90:A:SER:H	16	0.2
(1,1377)	1:74:A:LEU:HB3	1:153:A:THR:HB	4	0.2
(1,1349)	1:67:A:SER:HA	1:123:A:THR:HA	2	0.2
(1,1308)	1:43:A:ALA:H	1:139:A:ALA:HB1	8	0.2
(1,1308)	1:43:A:ALA:H	1:139:A:ALA:HB2	8	0.2
(1,1308)	1:43:A:ALA:H	1:139:A:ALA:HB3	8	0.2
(1,1308)	1:43:A:ALA:H	1:139:A:ALA:HB1	14	0.2
(1,1308)	1:43:A:ALA:H	1:139:A:ALA:HB2	14	0.2
(1,1308)	1:43:A:ALA:H	1:139:A:ALA:HB3	14	0.2
(1,1302)	1:3:A:THR:HG21	1:145:A:PRO:HG3	3	0.2
(1,1302)	1:3:A:THR:HG22	1:145:A:PRO:HG3	3	0.2
(1,1302)	1:3:A:THR:HG23	1:145:A:PRO:HG3	3	0.2
(1,1296)	1:39:A:THR:HA	1:144:A:THR:HA	15	0.2
(1,1286)	1:30:A:GLN:HB3	1:31:A:THR:H	16	0.2
(1,1253)	1:156:A:VAL:H	1:156:A:VAL:HB	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1253)	1:156:A:VAL:H	1:156:A:VAL:HB	14	0.2
(1,1253)	1:156:A:VAL:H	1:156:A:VAL:HB	19	0.2
(1,1207)	1:11:A:HIS:HD2	1:12:A:PHE:H	15	0.2
(1,1171)	1:97:A:THR:HB	1:98:A:ASN:H	10	0.2
(1,1094)	1:45:A:GLU:H	1:142:A:ALA:H	18	0.2
(1,1091)	1:43:A:ALA:H	1:44:A:GLN:HE21	7	0.2
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB1	9	0.2
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB2	9	0.2
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB3	9	0.2
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB1	10	0.2
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB2	10	0.2
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB3	10	0.2
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB1	16	0.2
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB2	16	0.2
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB3	16	0.2
(1,958)	1:17:A:VAL:H	1:155:A:LYS:HA	13	0.2
(1,956)	1:159:A:GLN:HA	1:159:A:GLN:HG3	17	0.2
(1,928)	1:116:A:ALA:HA	1:117:A:THR:HB	18	0.2
(1,909)	1:95:A:SER:HA	1:149:A:ASN:H	6	0.2
(1,845)	1:28:A:VAL:HA	1:154:A:PHE:HE1	10	0.2
(1,845)	1:28:A:VAL:HA	1:154:A:PHE:HE2	10	0.2
(1,831)	1:154:A:PHE:HD1	1:155:A:LYS:H	12	0.2
(1,831)	1:154:A:PHE:HD2	1:155:A:LYS:H	12	0.2
(1,830)	1:14:A:GLY:HA2	1:15:A:GLU:HA	6	0.2
(1,830)	1:14:A:GLY:HA2	1:15:A:GLU:HA	8	0.2
(1,815)	1:127:A:GLY:H	1:128:A:THR:H	1	0.2
(1,773)	1:86:A:LEU:HD21	1:151:A:ASP:H	14	0.2
(1,773)	1:86:A:LEU:HD22	1:151:A:ASP:H	14	0.2
(1,773)	1:86:A:LEU:HD23	1:151:A:ASP:H	14	0.2
(1,750)	1:55:A:ASN:HA	1:131:A:ILE:H	18	0.2
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG11	3	0.2
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG12	3	0.2
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG13	3	0.2
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG11	12	0.2
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG12	12	0.2
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG13	12	0.2
(1,704)	1:122:A:THR:HG21	1:123:A:THR:H	13	0.2
(1,704)	1:122:A:THR:HG22	1:123:A:THR:H	13	0.2
(1,704)	1:122:A:THR:HG23	1:123:A:THR:H	13	0.2
(1,683)	1:9:A:THR:H	1:149:A:ASN:H	14	0.2
(1,681)	1:90:A:SER:H	1:91:A:SER:H	7	0.2
(1,658)	1:51:A:ALA:HB1	1:134:A:GLN:HE21	10	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,658)	1:51:A:ALA:HB2	1:134:A:GLN:HE21	10	0.2
(1,658)	1:51:A:ALA:HB3	1:134:A:GLN:HE21	10	0.2
(1,648)	1:19:A:ALA:H	1:22:A:ALA:HA	9	0.2
(1,648)	1:19:A:ALA:H	1:22:A:ALA:HA	20	0.2
(1,615)	1:96:A:ALA:HA	1:147:A:ALA:H	20	0.2
(1,610)	1:88:A:LEU:HA	1:149:A:ASN:HB2	12	0.2
(1,512)	1:82:A:HIS:HB2	1:85:A:VAL:H	12	0.2
(1,434)	1:111:A:LEU:HB3	1:119:A:SER:H	13	0.2
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG21	16	0.2
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG22	16	0.2
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG23	16	0.2
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG21	16	0.2
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG22	16	0.2
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG23	16	0.2
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG21	16	0.2
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG22	16	0.2
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG23	16	0.2
(1,411)	1:19:A:ALA:HB1	1:158:A:TYR:HE1	15	0.2
(1,411)	1:19:A:ALA:HB1	1:158:A:TYR:HE2	15	0.2
(1,411)	1:19:A:ALA:HB2	1:158:A:TYR:HE1	15	0.2
(1,411)	1:19:A:ALA:HB2	1:158:A:TYR:HE2	15	0.2
(1,411)	1:19:A:ALA:HB3	1:158:A:TYR:HE1	15	0.2
(1,411)	1:19:A:ALA:HB3	1:158:A:TYR:HE2	15	0.2
(1,373)	1:78:A:ILE:HD11	1:100:A:GLY:HA2	1	0.2
(1,373)	1:78:A:ILE:HD12	1:100:A:GLY:HA2	1	0.2
(1,373)	1:78:A:ILE:HD13	1:100:A:GLY:HA2	1	0.2
(1,373)	1:78:A:ILE:HD11	1:100:A:GLY:HA2	2	0.2
(1,373)	1:78:A:ILE:HD12	1:100:A:GLY:HA2	2	0.2
(1,373)	1:78:A:ILE:HD13	1:100:A:GLY:HA2	2	0.2
(1,359)	1:113:A:LEU:HD11	1:151:A:ASP:H	17	0.2
(1,359)	1:113:A:LEU:HD12	1:151:A:ASP:H	17	0.2
(1,359)	1:113:A:LEU:HD13	1:151:A:ASP:H	17	0.2
(1,359)	1:113:A:LEU:HD21	1:151:A:ASP:H	17	0.2
(1,359)	1:113:A:LEU:HD22	1:151:A:ASP:H	17	0.2
(1,359)	1:113:A:LEU:HD23	1:151:A:ASP:H	17	0.2
(1,340)	1:63:A:THR:H	1:126:A:ASN:H	8	0.2
(1,326)	1:118:A:PHE:HB2	1:157:A:GLN:HB3	15	0.2
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD1	19	0.2
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD2	19	0.2
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD1	19	0.2
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD2	19	0.2
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD1	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD2	19	0.2
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG21	4	0.2
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG22	4	0.2
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG23	4	0.2
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG21	7	0.2
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG22	7	0.2
(1,297)	1:55:A:ASN:HA	1:131:A:ILE:HG23	7	0.2
(1,295)	1:39:A:THR:HA	1:42:A:LEU:HG	12	0.2
(1,288)	1:111:A:LEU:HD11	1:131:A:ILE:HG21	3	0.2
(1,288)	1:111:A:LEU:HD11	1:131:A:ILE:HG22	3	0.2
(1,288)	1:111:A:LEU:HD11	1:131:A:ILE:HG23	3	0.2
(1,288)	1:111:A:LEU:HD12	1:131:A:ILE:HG21	3	0.2
(1,288)	1:111:A:LEU:HD12	1:131:A:ILE:HG22	3	0.2
(1,288)	1:111:A:LEU:HD12	1:131:A:ILE:HG23	3	0.2
(1,288)	1:111:A:LEU:HD13	1:131:A:ILE:HG21	3	0.2
(1,288)	1:111:A:LEU:HD13	1:131:A:ILE:HG22	3	0.2
(1,288)	1:111:A:LEU:HD13	1:131:A:ILE:HG23	3	0.2
(1,259)	1:101:A:VAL:HG11	1:138:A:PHE:H	10	0.2
(1,259)	1:101:A:VAL:HG12	1:138:A:PHE:H	10	0.2
(1,259)	1:101:A:VAL:HG13	1:138:A:PHE:H	10	0.2
(1,259)	1:101:A:VAL:HG11	1:138:A:PHE:H	11	0.2
(1,259)	1:101:A:VAL:HG12	1:138:A:PHE:H	11	0.2
(1,259)	1:101:A:VAL:HG13	1:138:A:PHE:H	11	0.2
(1,250)	1:158:A:TYR:HA	1:158:A:TYR:HE1	2	0.2
(1,250)	1:158:A:TYR:HA	1:158:A:TYR:HE2	2	0.2
(1,243)	1:73:A:PHE:HD1	1:119:A:SER:H	8	0.2
(1,243)	1:73:A:PHE:HD2	1:119:A:SER:H	8	0.2
(1,243)	1:73:A:PHE:HD1	1:119:A:SER:H	12	0.2
(1,243)	1:73:A:PHE:HD2	1:119:A:SER:H	12	0.2
(1,243)	1:73:A:PHE:HD1	1:119:A:SER:H	15	0.2
(1,243)	1:73:A:PHE:HD2	1:119:A:SER:H	15	0.2
(1,243)	1:73:A:PHE:HD1	1:119:A:SER:H	19	0.2
(1,243)	1:73:A:PHE:HD2	1:119:A:SER:H	19	0.2
(1,243)	1:73:A:PHE:HD1	1:119:A:SER:H	20	0.2
(1,243)	1:73:A:PHE:HD2	1:119:A:SER:H	20	0.2
(1,199)	1:17:A:VAL:HG11	1:155:A:LYS:HB2	14	0.2
(1,199)	1:17:A:VAL:HG12	1:155:A:LYS:HB2	14	0.2
(1,199)	1:17:A:VAL:HG13	1:155:A:LYS:HB2	14	0.2
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB1	15	0.2
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB2	15	0.2
(1,191)	1:87:A:ALA:H	1:150:A:ALA:HB3	15	0.2
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG21	11	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG22	11	0.2
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG23	11	0.2
(1,162)	1:18:A:ASN:HA	1:18:A:ASN:HD21	15	0.2
(1,131)	1:14:A:GLY:HA2	1:154:A:PHE:H	17	0.2
(1,118)	1:19:A:ALA:H	1:21:A:CYS:HA	20	0.2
(1,112)	1:68:A:LYS:H	1:158:A:TYR:HD1	8	0.2
(1,112)	1:68:A:LYS:H	1:158:A:TYR:HD2	8	0.2
(1,95)	1:152:A:ALA:HB1	1:154:A:PHE:H	15	0.2
(1,95)	1:152:A:ALA:HB2	1:154:A:PHE:H	15	0.2
(1,95)	1:152:A:ALA:HB3	1:154:A:PHE:H	15	0.2
(1,85)	1:100:A:GLY:H	1:138:A:PHE:HD1	8	0.2
(1,85)	1:100:A:GLY:H	1:138:A:PHE:HD2	8	0.2
(1,85)	1:100:A:GLY:H	1:138:A:PHE:HD1	9	0.2
(1,85)	1:100:A:GLY:H	1:138:A:PHE:HD2	9	0.2
(1,83)	1:78:A:ILE:HD11	1:139:A:ALA:HA	18	0.2
(1,83)	1:78:A:ILE:HD12	1:139:A:ALA:HA	18	0.2
(1,83)	1:78:A:ILE:HD13	1:139:A:ALA:HA	18	0.2
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB1	7	0.2
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB2	7	0.2
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB3	7	0.2
(1,6)	1:4:A:THR:H	1:39:A:THR:HG21	19	0.2
(1,6)	1:4:A:THR:H	1:39:A:THR:HG22	19	0.2
(1,6)	1:4:A:THR:H	1:39:A:THR:HG23	19	0.2
(1,3449)	1:106:A:ARG:HA	1:119:A:SER:HB2	2	0.19
(1,3449)	1:106:A:ARG:HA	1:119:A:SER:HB3	2	0.19
(1,3393)	1:99:A:VAL:HG11	1:138:A:PHE:H	9	0.19
(1,3393)	1:99:A:VAL:HG12	1:138:A:PHE:H	9	0.19
(1,3393)	1:99:A:VAL:HG13	1:138:A:PHE:H	9	0.19
(1,3393)	1:99:A:VAL:HG21	1:138:A:PHE:H	9	0.19
(1,3393)	1:99:A:VAL:HG22	1:138:A:PHE:H	9	0.19
(1,3393)	1:99:A:VAL:HG23	1:138:A:PHE:H	9	0.19
(1,3389)	1:99:A:VAL:HG11	1:137:A:TYR:HA	3	0.19
(1,3389)	1:99:A:VAL:HG12	1:137:A:TYR:HA	3	0.19
(1,3389)	1:99:A:VAL:HG13	1:137:A:TYR:HA	3	0.19
(1,3389)	1:99:A:VAL:HG21	1:137:A:TYR:HA	3	0.19
(1,3389)	1:99:A:VAL:HG22	1:137:A:TYR:HA	3	0.19
(1,3389)	1:99:A:VAL:HG23	1:137:A:TYR:HA	3	0.19
(1,3296)	1:79:A:ASP:HB2	1:80:A:ALA:H	5	0.19
(1,3296)	1:79:A:ASP:HB3	1:80:A:ALA:H	5	0.19
(1,3296)	1:79:A:ASP:HB2	1:80:A:ALA:H	14	0.19
(1,3296)	1:79:A:ASP:HB3	1:80:A:ALA:H	14	0.19
(1,3252)	1:71:A:VAL:HG11	1:72:A:ALA:H	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3252)	1:71:A:VAL:HG12	1:72:A:ALA:H	5	0.19
(1,3252)	1:71:A:VAL:HG13	1:72:A:ALA:H	5	0.19
(1,3252)	1:71:A:VAL:HG21	1:72:A:ALA:H	5	0.19
(1,3252)	1:71:A:VAL:HG22	1:72:A:ALA:H	5	0.19
(1,3252)	1:71:A:VAL:HG23	1:72:A:ALA:H	5	0.19
(1,3252)	1:71:A:VAL:HG11	1:72:A:ALA:H	6	0.19
(1,3252)	1:71:A:VAL:HG12	1:72:A:ALA:H	6	0.19
(1,3252)	1:71:A:VAL:HG13	1:72:A:ALA:H	6	0.19
(1,3252)	1:71:A:VAL:HG21	1:72:A:ALA:H	6	0.19
(1,3252)	1:71:A:VAL:HG22	1:72:A:ALA:H	6	0.19
(1,3252)	1:71:A:VAL:HG23	1:72:A:ALA:H	6	0.19
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB2	20	0.19
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB3	20	0.19
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB2	20	0.19
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB3	20	0.19
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB2	20	0.19
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB3	20	0.19
(1,3140)	1:54:A:PHE:HA	1:55:A:ASN:HD21	8	0.19
(1,3140)	1:54:A:PHE:HA	1:55:A:ASN:HD22	8	0.19
(1,3135)	1:52:A:VAL:HG11	1:134:A:GLN:HB3	12	0.19
(1,3135)	1:52:A:VAL:HG12	1:134:A:GLN:HB3	12	0.19
(1,3135)	1:52:A:VAL:HG13	1:134:A:GLN:HB3	12	0.19
(1,3135)	1:52:A:VAL:HG21	1:134:A:GLN:HB3	12	0.19
(1,3135)	1:52:A:VAL:HG22	1:134:A:GLN:HB3	12	0.19
(1,3135)	1:52:A:VAL:HG23	1:134:A:GLN:HB3	12	0.19
(1,3021)	1:34:A:LEU:HD11	1:137:A:TYR:HD1	20	0.19
(1,3021)	1:34:A:LEU:HD11	1:137:A:TYR:HD2	20	0.19
(1,3021)	1:34:A:LEU:HD12	1:137:A:TYR:HD1	20	0.19
(1,3021)	1:34:A:LEU:HD12	1:137:A:TYR:HD2	20	0.19
(1,3021)	1:34:A:LEU:HD13	1:137:A:TYR:HD1	20	0.19
(1,3021)	1:34:A:LEU:HD13	1:137:A:TYR:HD2	20	0.19
(1,3021)	1:34:A:LEU:HD21	1:137:A:TYR:HD1	20	0.19
(1,3021)	1:34:A:LEU:HD21	1:137:A:TYR:HD2	20	0.19
(1,3021)	1:34:A:LEU:HD22	1:137:A:TYR:HD1	20	0.19
(1,3021)	1:34:A:LEU:HD22	1:137:A:TYR:HD2	20	0.19
(1,3021)	1:34:A:LEU:HD23	1:137:A:TYR:HD1	20	0.19
(1,3021)	1:34:A:LEU:HD23	1:137:A:TYR:HD2	20	0.19
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG11	16	0.19
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG12	16	0.19
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG13	16	0.19
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG11	16	0.19
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG12	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG13	16	0.19
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG11	16	0.19
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG12	16	0.19
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG13	16	0.19
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG11	16	0.19
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG12	16	0.19
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG13	16	0.19
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG11	16	0.19
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG12	16	0.19
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG13	16	0.19
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG11	16	0.19
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG12	16	0.19
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG13	16	0.19
(1,2975)	1:27:A:SER:HB2	1:28:A:VAL:H	16	0.19
(1,2975)	1:27:A:SER:HB3	1:28:A:VAL:H	16	0.19
(1,2916)	1:18:A:ASN:H	1:18:A:ASN:HB2	14	0.19
(1,2916)	1:18:A:ASN:H	1:18:A:ASN:HB3	14	0.19
(1,2908)	1:16:A:VAL:HG11	1:154:A:PHE:HE1	3	0.19
(1,2908)	1:16:A:VAL:HG11	1:154:A:PHE:HE2	3	0.19
(1,2908)	1:16:A:VAL:HG12	1:154:A:PHE:HE1	3	0.19
(1,2908)	1:16:A:VAL:HG12	1:154:A:PHE:HE2	3	0.19
(1,2908)	1:16:A:VAL:HG13	1:154:A:PHE:HE1	3	0.19
(1,2908)	1:16:A:VAL:HG13	1:154:A:PHE:HE2	3	0.19
(1,2908)	1:16:A:VAL:HG21	1:154:A:PHE:HE1	3	0.19
(1,2908)	1:16:A:VAL:HG21	1:154:A:PHE:HE2	3	0.19
(1,2908)	1:16:A:VAL:HG22	1:154:A:PHE:HE1	3	0.19
(1,2908)	1:16:A:VAL:HG22	1:154:A:PHE:HE2	3	0.19
(1,2908)	1:16:A:VAL:HG23	1:154:A:PHE:HE1	3	0.19
(1,2908)	1:16:A:VAL:HG23	1:154:A:PHE:HE2	3	0.19
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG11	8	0.19
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG12	8	0.19
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG13	8	0.19
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG21	8	0.19
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG22	8	0.19
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG23	8	0.19
(1,2801)	1:4:A:THR:HG21	1:38:A:ARG:HG2	20	0.19
(1,2801)	1:4:A:THR:HG21	1:38:A:ARG:HG3	20	0.19
(1,2801)	1:4:A:THR:HG22	1:38:A:ARG:HG2	20	0.19
(1,2801)	1:4:A:THR:HG22	1:38:A:ARG:HG3	20	0.19
(1,2801)	1:4:A:THR:HG23	1:38:A:ARG:HG2	20	0.19
(1,2801)	1:4:A:THR:HG23	1:38:A:ARG:HG3	20	0.19
(1,2800)	1:4:A:THR:HG21	1:36:A:GLN:HE21	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2800)	1:4:A:THR:HG21	1:36:A:GLN:HE22	1	0.19
(1,2800)	1:4:A:THR:HG22	1:36:A:GLN:HE21	1	0.19
(1,2800)	1:4:A:THR:HG22	1:36:A:GLN:HE22	1	0.19
(1,2800)	1:4:A:THR:HG23	1:36:A:GLN:HE21	1	0.19
(1,2800)	1:4:A:THR:HG23	1:36:A:GLN:HE22	1	0.19
(1,2799)	1:4:A:THR:HG21	1:36:A:GLN:HG2	3	0.19
(1,2799)	1:4:A:THR:HG21	1:36:A:GLN:HG3	3	0.19
(1,2799)	1:4:A:THR:HG22	1:36:A:GLN:HG2	3	0.19
(1,2799)	1:4:A:THR:HG22	1:36:A:GLN:HG3	3	0.19
(1,2799)	1:4:A:THR:HG23	1:36:A:GLN:HG2	3	0.19
(1,2799)	1:4:A:THR:HG23	1:36:A:GLN:HG3	3	0.19
(1,2799)	1:4:A:THR:HG21	1:36:A:GLN:HG2	16	0.19
(1,2799)	1:4:A:THR:HG21	1:36:A:GLN:HG3	16	0.19
(1,2799)	1:4:A:THR:HG22	1:36:A:GLN:HG2	16	0.19
(1,2799)	1:4:A:THR:HG22	1:36:A:GLN:HG3	16	0.19
(1,2799)	1:4:A:THR:HG23	1:36:A:GLN:HG2	16	0.19
(1,2799)	1:4:A:THR:HG23	1:36:A:GLN:HG3	16	0.19
(1,2792)	1:9:A:THR:HG21	1:32:A:VAL:H	2	0.19
(1,2792)	1:9:A:THR:HG22	1:32:A:VAL:H	2	0.19
(1,2792)	1:9:A:THR:HG23	1:32:A:VAL:H	2	0.19
(1,2771)	1:99:A:VAL:H	1:139:A:ALA:HA	20	0.19
(1,2726)	1:89:A:GLN:HG2	1:90:A:SER:H	3	0.19
(1,2726)	1:89:A:GLN:HG3	1:90:A:SER:H	3	0.19
(1,2719)	1:89:A:GLN:H	1:89:A:GLN:HE21	2	0.19
(1,2717)	1:88:A:LEU:HD21	1:89:A:GLN:H	9	0.19
(1,2717)	1:88:A:LEU:HD22	1:89:A:GLN:H	9	0.19
(1,2717)	1:88:A:LEU:HD23	1:89:A:GLN:H	9	0.19
(1,2716)	1:88:A:LEU:HD21	1:148:A:ALA:HA	11	0.19
(1,2716)	1:88:A:LEU:HD22	1:148:A:ALA:HA	11	0.19
(1,2716)	1:88:A:LEU:HD23	1:148:A:ALA:HA	11	0.19
(1,2662)	1:82:A:HIS:HB3	1:83:A:THR:H	17	0.19
(1,2662)	1:82:A:HIS:HB3	1:83:A:THR:H	18	0.19
(1,2609)	1:75:A:GLY:H	1:115:A:GLY:H	20	0.19
(1,2601)	1:74:A:LEU:HB2	1:153:A:THR:H	2	0.19
(1,2601)	1:74:A:LEU:HB2	1:153:A:THR:H	4	0.19
(1,2601)	1:74:A:LEU:HB2	1:153:A:THR:H	14	0.19
(1,2560)	1:70:A:ALA:HB1	1:118:A:PHE:H	6	0.19
(1,2560)	1:70:A:ALA:HB2	1:118:A:PHE:H	6	0.19
(1,2560)	1:70:A:ALA:HB3	1:118:A:PHE:H	6	0.19
(1,2551)	1:6:A:ASN:H	1:6:A:ASN:HB3	6	0.19
(1,2549)	1:6:A:ASN:H	1:146:A:GLY:H	9	0.19
(1,2513)	1:63:A:THR:HA	1:65:A:VAL:H	2	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2513)	1:63:A:THR:HA	1:65:A:VAL:H	20	0.19
(1,2486)	1:56:A:ILE:HG21	1:71:A:VAL:HG21	13	0.19
(1,2486)	1:56:A:ILE:HG21	1:71:A:VAL:HG22	13	0.19
(1,2486)	1:56:A:ILE:HG21	1:71:A:VAL:HG23	13	0.19
(1,2486)	1:56:A:ILE:HG22	1:71:A:VAL:HG21	13	0.19
(1,2486)	1:56:A:ILE:HG22	1:71:A:VAL:HG22	13	0.19
(1,2486)	1:56:A:ILE:HG22	1:71:A:VAL:HG23	13	0.19
(1,2486)	1:56:A:ILE:HG23	1:71:A:VAL:HG21	13	0.19
(1,2486)	1:56:A:ILE:HG23	1:71:A:VAL:HG22	13	0.19
(1,2486)	1:56:A:ILE:HG23	1:71:A:VAL:HG23	13	0.19
(1,2466)	1:55:A:ASN:HB3	1:130:A:THR:HG21	15	0.19
(1,2466)	1:55:A:ASN:HB3	1:130:A:THR:HG22	15	0.19
(1,2466)	1:55:A:ASN:HB3	1:130:A:THR:HG23	15	0.19
(1,2422)	1:49:A:SER:H	1:136:A:ARG:HG2	13	0.19
(1,2422)	1:49:A:SER:H	1:136:A:ARG:HG3	13	0.19
(1,2357)	1:3:A:THR:HB	1:4:A:THR:H	12	0.19
(1,2356)	1:3:A:THR:HB	1:145:A:PRO:HB3	10	0.19
(1,2350)	1:39:A:THR:HG21	1:145:A:PRO:HG2	7	0.19
(1,2350)	1:39:A:THR:HG22	1:145:A:PRO:HG2	7	0.19
(1,2350)	1:39:A:THR:HG23	1:145:A:PRO:HG2	7	0.19
(1,2313)	1:32:A:VAL:HG11	1:54:A:PHE:HD1	13	0.19
(1,2313)	1:32:A:VAL:HG11	1:54:A:PHE:HD2	13	0.19
(1,2313)	1:32:A:VAL:HG12	1:54:A:PHE:HD1	13	0.19
(1,2313)	1:32:A:VAL:HG12	1:54:A:PHE:HD2	13	0.19
(1,2313)	1:32:A:VAL:HG13	1:54:A:PHE:HD1	13	0.19
(1,2313)	1:32:A:VAL:HG13	1:54:A:PHE:HD2	13	0.19
(1,2251)	1:21:A:CYS:HB2	1:59:A:ASN:H	13	0.19
(1,2251)	1:21:A:CYS:HB2	1:59:A:ASN:H	16	0.19
(1,2242)	1:20:A:ALA:HB1	1:158:A:TYR:HA	14	0.19
(1,2242)	1:20:A:ALA:HB2	1:158:A:TYR:HA	14	0.19
(1,2242)	1:20:A:ALA:HB3	1:158:A:TYR:HA	14	0.19
(1,2219)	1:159:A:GLN:H	1:159:A:GLN:HG2	15	0.19
(1,2219)	1:159:A:GLN:H	1:159:A:GLN:HG3	15	0.19
(1,2204)	1:155:A:LYS:HB2	1:156:A:VAL:H	8	0.19
(1,2191)	1:149:A:ASN:HD21	1:150:A:ALA:H	15	0.19
(1,2000)	1:103:A:ILE:HG21	1:111:A:LEU:HD21	20	0.19
(1,2000)	1:103:A:ILE:HG21	1:111:A:LEU:HD22	20	0.19
(1,2000)	1:103:A:ILE:HG21	1:111:A:LEU:HD23	20	0.19
(1,2000)	1:103:A:ILE:HG22	1:111:A:LEU:HD21	20	0.19
(1,2000)	1:103:A:ILE:HG22	1:111:A:LEU:HD22	20	0.19
(1,2000)	1:103:A:ILE:HG22	1:111:A:LEU:HD23	20	0.19
(1,2000)	1:103:A:ILE:HG23	1:111:A:LEU:HD21	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2000)	1:103:A:ILE:HG23	1:111:A:LEU:HD22	20	0.19
(1,2000)	1:103:A:ILE:HG23	1:111:A:LEU:HD23	20	0.19
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB1	6	0.19
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB2	6	0.19
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB3	6	0.19
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB1	6	0.19
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB2	6	0.19
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB3	6	0.19
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB1	6	0.19
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB2	6	0.19
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB3	6	0.19
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB1	11	0.19
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB2	11	0.19
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB3	11	0.19
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB1	11	0.19
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB2	11	0.19
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB3	11	0.19
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB1	11	0.19
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB2	11	0.19
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB3	11	0.19
(1,1896)	1:83:A:THR:H	1:83:A:THR:HG21	17	0.19
(1,1896)	1:83:A:THR:H	1:83:A:THR:HG22	17	0.19
(1,1896)	1:83:A:THR:H	1:83:A:THR:HG23	17	0.19
(1,1886)	1:79:A:ASP:H	1:82:A:HIS:H	8	0.19
(1,1886)	1:79:A:ASP:H	1:82:A:HIS:H	12	0.19
(1,1886)	1:79:A:ASP:H	1:82:A:HIS:H	20	0.19
(1,1878)	1:78:A:ILE:HD11	1:87:A:ALA:HA	15	0.19
(1,1878)	1:78:A:ILE:HD12	1:87:A:ALA:HA	15	0.19
(1,1878)	1:78:A:ILE:HD13	1:87:A:ALA:HA	15	0.19
(1,1827)	1:70:A:ALA:HB1	1:157:A:GLN:HB2	7	0.19
(1,1827)	1:70:A:ALA:HB2	1:157:A:GLN:HB2	7	0.19
(1,1827)	1:70:A:ALA:HB3	1:157:A:GLN:HB2	7	0.19
(1,1827)	1:70:A:ALA:HB1	1:157:A:GLN:HB2	16	0.19
(1,1827)	1:70:A:ALA:HB2	1:157:A:GLN:HB2	16	0.19
(1,1827)	1:70:A:ALA:HB3	1:157:A:GLN:HB2	16	0.19
(1,1793)	1:63:A:THR:HB	1:65:A:VAL:H	7	0.19
(1,1793)	1:63:A:THR:HB	1:65:A:VAL:H	8	0.19
(1,1793)	1:63:A:THR:HB	1:65:A:VAL:H	11	0.19
(1,1793)	1:63:A:THR:HB	1:65:A:VAL:H	18	0.19
(1,1753)	1:51:A:ALA:HB1	1:134:A:GLN:HE22	17	0.19
(1,1753)	1:51:A:ALA:HB2	1:134:A:GLN:HE22	17	0.19
(1,1753)	1:51:A:ALA:HB3	1:134:A:GLN:HE22	17	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1723)	1:47:A:ALA:H	1:141:A:GLY:H	7	0.19
(1,1704)	1:41:A:SER:H	1:41:A:SER:HB3	1	0.19
(1,1704)	1:41:A:SER:H	1:41:A:SER:HB3	3	0.19
(1,1704)	1:41:A:SER:H	1:41:A:SER:HB3	11	0.19
(1,1700)	1:3:A:THR:HB	1:145:A:PRO:HG3	16	0.19
(1,1676)	1:31:A:THR:HG21	1:32:A:VAL:H	8	0.19
(1,1676)	1:31:A:THR:HG22	1:32:A:VAL:H	8	0.19
(1,1676)	1:31:A:THR:HG23	1:32:A:VAL:H	8	0.19
(1,1676)	1:31:A:THR:HG21	1:32:A:VAL:H	14	0.19
(1,1676)	1:31:A:THR:HG22	1:32:A:VAL:H	14	0.19
(1,1676)	1:31:A:THR:HG23	1:32:A:VAL:H	14	0.19
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB1	11	0.19
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB2	11	0.19
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB3	11	0.19
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB1	13	0.19
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB2	13	0.19
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB3	13	0.19
(1,1623)	1:154:A:PHE:HE1	1:156:A:VAL:H	10	0.19
(1,1623)	1:154:A:PHE:HE2	1:156:A:VAL:H	10	0.19
(1,1623)	1:154:A:PHE:HE1	1:156:A:VAL:H	11	0.19
(1,1623)	1:154:A:PHE:HE2	1:156:A:VAL:H	11	0.19
(1,1610)	1:147:A:ALA:HB1	1:149:A:ASN:HD22	10	0.19
(1,1610)	1:147:A:ALA:HB2	1:149:A:ASN:HD22	10	0.19
(1,1610)	1:147:A:ALA:HB3	1:149:A:ASN:HD22	10	0.19
(1,1610)	1:147:A:ALA:HB1	1:149:A:ASN:HD22	13	0.19
(1,1610)	1:147:A:ALA:HB2	1:149:A:ASN:HD22	13	0.19
(1,1610)	1:147:A:ALA:HB3	1:149:A:ASN:HD22	13	0.19
(1,1610)	1:147:A:ALA:HB1	1:149:A:ASN:HD22	16	0.19
(1,1610)	1:147:A:ALA:HB2	1:149:A:ASN:HD22	16	0.19
(1,1610)	1:147:A:ALA:HB3	1:149:A:ASN:HD22	16	0.19
(1,1546)	1:126:A:ASN:HB2	1:127:A:GLY:H	19	0.19
(1,1468)	1:104:A:LEU:HD21	1:135:A:ALA:HA	1	0.19
(1,1468)	1:104:A:LEU:HD22	1:135:A:ALA:HA	1	0.19
(1,1468)	1:104:A:LEU:HD23	1:135:A:ALA:HA	1	0.19
(1,1468)	1:104:A:LEU:HD21	1:135:A:ALA:HA	12	0.19
(1,1468)	1:104:A:LEU:HD22	1:135:A:ALA:HA	12	0.19
(1,1468)	1:104:A:LEU:HD23	1:135:A:ALA:HA	12	0.19
(1,1468)	1:104:A:LEU:HD21	1:135:A:ALA:HA	13	0.19
(1,1468)	1:104:A:LEU:HD22	1:135:A:ALA:HA	13	0.19
(1,1468)	1:104:A:LEU:HD23	1:135:A:ALA:HA	13	0.19
(1,1425)	1:98:A:ASN:HD21	1:142:A:ALA:HA	17	0.19
(1,1415)	1:93:A:ALA:H	1:95:A:SER:H	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1361)	1:72:A:ALA:HB1	1:111:A:LEU:HD21	12	0.19
(1,1361)	1:72:A:ALA:HB1	1:111:A:LEU:HD22	12	0.19
(1,1361)	1:72:A:ALA:HB1	1:111:A:LEU:HD23	12	0.19
(1,1361)	1:72:A:ALA:HB2	1:111:A:LEU:HD21	12	0.19
(1,1361)	1:72:A:ALA:HB2	1:111:A:LEU:HD22	12	0.19
(1,1361)	1:72:A:ALA:HB2	1:111:A:LEU:HD23	12	0.19
(1,1361)	1:72:A:ALA:HB3	1:111:A:LEU:HD21	12	0.19
(1,1361)	1:72:A:ALA:HB3	1:111:A:LEU:HD22	12	0.19
(1,1361)	1:72:A:ALA:HB3	1:111:A:LEU:HD23	12	0.19
(1,1355)	1:6:A:ASN:HB3	1:7:A:GLY:H	11	0.19
(1,1349)	1:67:A:SER:HA	1:123:A:THR:HA	3	0.19
(1,1286)	1:30:A:GLN:HB3	1:31:A:THR:H	19	0.19
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD11	14	0.19
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD12	14	0.19
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD13	14	0.19
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD21	14	0.19
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD22	14	0.19
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD23	14	0.19
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD11	14	0.19
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD12	14	0.19
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD13	14	0.19
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD21	14	0.19
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD22	14	0.19
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD23	14	0.19
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD11	14	0.19
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD12	14	0.19
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD13	14	0.19
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD21	14	0.19
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD22	14	0.19
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD23	14	0.19
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD11	16	0.19
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD12	16	0.19
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD13	16	0.19
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD21	16	0.19
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD22	16	0.19
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD23	16	0.19
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD11	16	0.19
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD12	16	0.19
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD13	16	0.19
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD21	16	0.19
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD22	16	0.19
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD23	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD11	16	0.19
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD12	16	0.19
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD13	16	0.19
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD21	16	0.19
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD22	16	0.19
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD23	16	0.19
(1,1261)	1:16:A:VAL:HB	1:17:A:VAL:H	5	0.19
(1,1253)	1:156:A:VAL:H	1:156:A:VAL:HB	1	0.19
(1,1253)	1:156:A:VAL:H	1:156:A:VAL:HB	2	0.19
(1,1253)	1:156:A:VAL:H	1:156:A:VAL:HB	7	0.19
(1,1253)	1:156:A:VAL:H	1:156:A:VAL:HB	8	0.19
(1,1253)	1:156:A:VAL:H	1:156:A:VAL:HB	10	0.19
(1,1180)	1:102:A:GLN:HA	1:136:A:ARG:H	14	0.19
(1,1171)	1:97:A:THR:HB	1:98:A:ASN:H	17	0.19
(1,1171)	1:97:A:THR:HB	1:98:A:ASN:H	20	0.19
(1,1141)	1:72:A:ALA:HB1	1:73:A:PHE:HD1	16	0.19
(1,1141)	1:72:A:ALA:HB1	1:73:A:PHE:HD2	16	0.19
(1,1141)	1:72:A:ALA:HB2	1:73:A:PHE:HD1	16	0.19
(1,1141)	1:72:A:ALA:HB2	1:73:A:PHE:HD2	16	0.19
(1,1141)	1:72:A:ALA:HB3	1:73:A:PHE:HD1	16	0.19
(1,1141)	1:72:A:ALA:HB3	1:73:A:PHE:HD2	16	0.19
(1,1091)	1:43:A:ALA:H	1:44:A:GLN:HE21	4	0.19
(1,1060)	1:12:A:PHE:HE1	1:152:A:ALA:HB1	5	0.19
(1,1060)	1:12:A:PHE:HE1	1:152:A:ALA:HB2	5	0.19
(1,1060)	1:12:A:PHE:HE1	1:152:A:ALA:HB3	5	0.19
(1,1060)	1:12:A:PHE:HE2	1:152:A:ALA:HB1	5	0.19
(1,1060)	1:12:A:PHE:HE2	1:152:A:ALA:HB2	5	0.19
(1,1060)	1:12:A:PHE:HE2	1:152:A:ALA:HB3	5	0.19
(1,1038)	1:105:A:ASP:HA	1:134:A:GLN:H	1	0.19
(1,987)	1:57:A:GLN:HE21	1:128:A:THR:HG21	15	0.19
(1,987)	1:57:A:GLN:HE21	1:128:A:THR:HG22	15	0.19
(1,987)	1:57:A:GLN:HE21	1:128:A:THR:HG23	15	0.19
(1,963)	1:32:A:VAL:HG21	1:54:A:PHE:HA	15	0.19
(1,963)	1:32:A:VAL:HG22	1:54:A:PHE:HA	15	0.19
(1,963)	1:32:A:VAL:HG23	1:54:A:PHE:HA	15	0.19
(1,879)	1:69:A:ALA:H	1:121:A:GLU:HB3	4	0.19
(1,845)	1:28:A:VAL:HA	1:154:A:PHE:HE1	4	0.19
(1,845)	1:28:A:VAL:HA	1:154:A:PHE:HE2	4	0.19
(1,837)	1:19:A:ALA:HA	1:21:A:CYS:H	18	0.19
(1,815)	1:127:A:GLY:H	1:128:A:THR:H	4	0.19
(1,800)	1:10:A:VAL:HG21	1:103:A:ILE:HD11	3	0.19
(1,800)	1:10:A:VAL:HG21	1:103:A:ILE:HD12	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,800)	1:10:A:VAL:HG21	1:103:A:ILE:HD13	3	0.19
(1,800)	1:10:A:VAL:HG22	1:103:A:ILE:HD11	3	0.19
(1,800)	1:10:A:VAL:HG22	1:103:A:ILE:HD12	3	0.19
(1,800)	1:10:A:VAL:HG22	1:103:A:ILE:HD13	3	0.19
(1,800)	1:10:A:VAL:HG23	1:103:A:ILE:HD11	3	0.19
(1,800)	1:10:A:VAL:HG23	1:103:A:ILE:HD12	3	0.19
(1,800)	1:10:A:VAL:HG23	1:103:A:ILE:HD13	3	0.19
(1,800)	1:10:A:VAL:HG21	1:103:A:ILE:HD11	5	0.19
(1,800)	1:10:A:VAL:HG21	1:103:A:ILE:HD12	5	0.19
(1,800)	1:10:A:VAL:HG21	1:103:A:ILE:HD13	5	0.19
(1,800)	1:10:A:VAL:HG22	1:103:A:ILE:HD11	5	0.19
(1,800)	1:10:A:VAL:HG22	1:103:A:ILE:HD12	5	0.19
(1,800)	1:10:A:VAL:HG22	1:103:A:ILE:HD13	5	0.19
(1,800)	1:10:A:VAL:HG23	1:103:A:ILE:HD11	5	0.19
(1,800)	1:10:A:VAL:HG23	1:103:A:ILE:HD12	5	0.19
(1,800)	1:10:A:VAL:HG23	1:103:A:ILE:HD13	5	0.19
(1,775)	1:8:A:GLY:H	1:34:A:LEU:HA	11	0.19
(1,762)	1:70:A:ALA:HB1	1:121:A:GLU:HG3	17	0.19
(1,762)	1:70:A:ALA:HB2	1:121:A:GLU:HG3	17	0.19
(1,762)	1:70:A:ALA:HB3	1:121:A:GLU:HG3	17	0.19
(1,750)	1:55:A:ASN:HA	1:131:A:ILE:H	16	0.19
(1,750)	1:55:A:ASN:HA	1:131:A:ILE:H	19	0.19
(1,737)	1:32:A:VAL:HG11	1:34:A:LEU:HA	19	0.19
(1,737)	1:32:A:VAL:HG12	1:34:A:LEU:HA	19	0.19
(1,737)	1:32:A:VAL:HG13	1:34:A:LEU:HA	19	0.19
(1,737)	1:32:A:VAL:HG11	1:34:A:LEU:HA	20	0.19
(1,737)	1:32:A:VAL:HG12	1:34:A:LEU:HA	20	0.19
(1,737)	1:32:A:VAL:HG13	1:34:A:LEU:HA	20	0.19
(1,721)	1:17:A:VAL:HG21	1:18:A:ASN:H	2	0.19
(1,721)	1:17:A:VAL:HG22	1:18:A:ASN:H	2	0.19
(1,721)	1:17:A:VAL:HG23	1:18:A:ASN:H	2	0.19
(1,695)	1:114:A:ASP:H	1:116:A:ALA:H	12	0.19
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB1	8	0.19
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB2	8	0.19
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB3	8	0.19
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB1	19	0.19
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB2	19	0.19
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB3	19	0.19
(1,654)	1:38:A:ARG:HD2	1:40:A:ALA:HB1	1	0.19
(1,654)	1:38:A:ARG:HD2	1:40:A:ALA:HB2	1	0.19
(1,654)	1:38:A:ARG:HD2	1:40:A:ALA:HB3	1	0.19
(1,654)	1:38:A:ARG:HD3	1:40:A:ALA:HB1	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,654)	1:38:A:ARG:HD3	1:40:A:ALA:HB2	1	0.19
(1,654)	1:38:A:ARG:HD3	1:40:A:ALA:HB3	1	0.19
(1,648)	1:19:A:ALA:H	1:22:A:ALA:HA	3	0.19
(1,626)	1:116:A:ALA:HA	1:118:A:PHE:H	8	0.19
(1,625)	1:116:A:ALA:H	1:117:A:THR:HG21	17	0.19
(1,625)	1:116:A:ALA:H	1:117:A:THR:HG22	17	0.19
(1,625)	1:116:A:ALA:H	1:117:A:THR:HG23	17	0.19
(1,620)	1:103:A:ILE:HG21	1:152:A:ALA:HB1	15	0.19
(1,620)	1:103:A:ILE:HG21	1:152:A:ALA:HB2	15	0.19
(1,620)	1:103:A:ILE:HG21	1:152:A:ALA:HB3	15	0.19
(1,620)	1:103:A:ILE:HG22	1:152:A:ALA:HB1	15	0.19
(1,620)	1:103:A:ILE:HG22	1:152:A:ALA:HB2	15	0.19
(1,620)	1:103:A:ILE:HG22	1:152:A:ALA:HB3	15	0.19
(1,620)	1:103:A:ILE:HG23	1:152:A:ALA:HB1	15	0.19
(1,620)	1:103:A:ILE:HG23	1:152:A:ALA:HB2	15	0.19
(1,620)	1:103:A:ILE:HG23	1:152:A:ALA:HB3	15	0.19
(1,517)	1:88:A:LEU:HD21	1:149:A:ASN:H	19	0.19
(1,517)	1:88:A:LEU:HD22	1:149:A:ASN:H	19	0.19
(1,517)	1:88:A:LEU:HD23	1:149:A:ASN:H	19	0.19
(1,499)	1:45:A:GLU:H	1:141:A:GLY:HA3	1	0.19
(1,465)	1:74:A:LEU:HD21	1:153:A:THR:H	7	0.19
(1,465)	1:74:A:LEU:HD22	1:153:A:THR:H	7	0.19
(1,465)	1:74:A:LEU:HD23	1:153:A:THR:H	7	0.19
(1,465)	1:74:A:LEU:HD21	1:153:A:THR:H	20	0.19
(1,465)	1:74:A:LEU:HD22	1:153:A:THR:H	20	0.19
(1,465)	1:74:A:LEU:HD23	1:153:A:THR:H	20	0.19
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG21	1	0.19
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG22	1	0.19
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG23	1	0.19
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG21	1	0.19
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG22	1	0.19
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG23	1	0.19
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG21	1	0.19
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG22	1	0.19
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG23	1	0.19
(1,398)	1:78:A:ILE:HD11	1:100:A:GLY:HA3	10	0.19
(1,398)	1:78:A:ILE:HD12	1:100:A:GLY:HA3	10	0.19
(1,398)	1:78:A:ILE:HD13	1:100:A:GLY:HA3	10	0.19
(1,357)	1:10:A:VAL:HA	1:149:A:ASN:HB3	18	0.19
(1,354)	1:99:A:VAL:HG21	1:137:A:TYR:HD1	4	0.19
(1,354)	1:99:A:VAL:HG21	1:137:A:TYR:HD2	4	0.19
(1,354)	1:99:A:VAL:HG22	1:137:A:TYR:HD1	4	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,354)	1:99:A:VAL:HG22	1:137:A:TYR:HD2	4	0.19
(1,354)	1:99:A:VAL:HG23	1:137:A:TYR:HD1	4	0.19
(1,354)	1:99:A:VAL:HG23	1:137:A:TYR:HD2	4	0.19
(1,331)	1:14:A:GLY:HA2	1:15:A:GLU:H	18	0.19
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD1	13	0.19
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD2	13	0.19
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD1	13	0.19
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD2	13	0.19
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD1	13	0.19
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD2	13	0.19
(1,299)	1:70:A:ALA:HB1	1:157:A:GLN:HB3	7	0.19
(1,299)	1:70:A:ALA:HB2	1:157:A:GLN:HB3	7	0.19
(1,299)	1:70:A:ALA:HB3	1:157:A:GLN:HB3	7	0.19
(1,299)	1:70:A:ALA:HB1	1:157:A:GLN:HB3	10	0.19
(1,299)	1:70:A:ALA:HB2	1:157:A:GLN:HB3	10	0.19
(1,299)	1:70:A:ALA:HB3	1:157:A:GLN:HB3	10	0.19
(1,285)	1:96:A:ALA:HB1	1:144:A:THR:HB	15	0.19
(1,285)	1:96:A:ALA:HB2	1:144:A:THR:HB	15	0.19
(1,285)	1:96:A:ALA:HB3	1:144:A:THR:HB	15	0.19
(1,243)	1:73:A:PHE:HD1	1:119:A:SER:H	13	0.19
(1,243)	1:73:A:PHE:HD2	1:119:A:SER:H	13	0.19
(1,243)	1:73:A:PHE:HD1	1:119:A:SER:H	16	0.19
(1,243)	1:73:A:PHE:HD2	1:119:A:SER:H	16	0.19
(1,231)	1:31:A:THR:HG21	1:33:A:GLN:HG2	11	0.19
(1,231)	1:31:A:THR:HG21	1:33:A:GLN:HG3	11	0.19
(1,231)	1:31:A:THR:HG22	1:33:A:GLN:HG2	11	0.19
(1,231)	1:31:A:THR:HG22	1:33:A:GLN:HG3	11	0.19
(1,231)	1:31:A:THR:HG23	1:33:A:GLN:HG2	11	0.19
(1,231)	1:31:A:THR:HG23	1:33:A:GLN:HG3	11	0.19
(1,216)	1:27:A:SER:HB3	1:56:A:ILE:HG21	2	0.19
(1,216)	1:27:A:SER:HB3	1:56:A:ILE:HG22	2	0.19
(1,216)	1:27:A:SER:HB3	1:56:A:ILE:HG23	2	0.19
(1,199)	1:17:A:VAL:HG11	1:155:A:LYS:HB2	11	0.19
(1,199)	1:17:A:VAL:HG12	1:155:A:LYS:HB2	11	0.19
(1,199)	1:17:A:VAL:HG13	1:155:A:LYS:HB2	11	0.19
(1,181)	1:74:A:LEU:HG	1:115:A:GLY:HA2	11	0.19
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG21	4	0.19
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG22	4	0.19
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG23	4	0.19
(1,162)	1:18:A:ASN:HA	1:18:A:ASN:HD21	8	0.19
(1,136)	1:72:A:ALA:HB1	1:117:A:THR:HG21	16	0.19
(1,136)	1:72:A:ALA:HB1	1:117:A:THR:HG22	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,136)	1:72:A:ALA:HB1	1:117:A:THR:HG23	16	0.19
(1,136)	1:72:A:ALA:HB2	1:117:A:THR:HG21	16	0.19
(1,136)	1:72:A:ALA:HB2	1:117:A:THR:HG22	16	0.19
(1,136)	1:72:A:ALA:HB2	1:117:A:THR:HG23	16	0.19
(1,136)	1:72:A:ALA:HB3	1:117:A:THR:HG21	16	0.19
(1,136)	1:72:A:ALA:HB3	1:117:A:THR:HG22	16	0.19
(1,136)	1:72:A:ALA:HB3	1:117:A:THR:HG23	16	0.19
(1,99)	1:61:A:CYS:H	1:128:A:THR:H	11	0.19
(1,95)	1:152:A:ALA:HB1	1:154:A:PHE:H	3	0.19
(1,95)	1:152:A:ALA:HB2	1:154:A:PHE:H	3	0.19
(1,95)	1:152:A:ALA:HB3	1:154:A:PHE:H	3	0.19
(1,70)	1:103:A:ILE:H	1:110:A:ALA:HA	20	0.19
(1,48)	1:150:A:ALA:HB1	1:152:A:ALA:HA	2	0.19
(1,48)	1:150:A:ALA:HB2	1:152:A:ALA:HA	2	0.19
(1,48)	1:150:A:ALA:HB3	1:152:A:ALA:HA	2	0.19
(1,43)	1:42:A:LEU:HD11	1:50:A:SER:H	18	0.19
(1,43)	1:42:A:LEU:HD12	1:50:A:SER:H	18	0.19
(1,43)	1:42:A:LEU:HD13	1:50:A:SER:H	18	0.19
(1,43)	1:42:A:LEU:HD21	1:50:A:SER:H	18	0.19
(1,43)	1:42:A:LEU:HD22	1:50:A:SER:H	18	0.19
(1,43)	1:42:A:LEU:HD23	1:50:A:SER:H	18	0.19
(1,40)	1:103:A:ILE:HA	1:110:A:ALA:HA	1	0.19
(1,33)	1:91:A:SER:H	1:93:A:ALA:H	2	0.19
(1,29)	1:45:A:GLU:HA	1:138:A:PHE:HD1	11	0.19
(1,29)	1:45:A:GLU:HA	1:138:A:PHE:HD2	11	0.19
(1,20)	1:6:A:ASN:H	1:39:A:THR:HG21	10	0.19
(1,20)	1:6:A:ASN:H	1:39:A:THR:HG22	10	0.19
(1,20)	1:6:A:ASN:H	1:39:A:THR:HG23	10	0.19
(1,14)	1:115:A:GLY:HA2	1:155:A:LYS:HD2	12	0.19
(1,14)	1:115:A:GLY:HA2	1:155:A:LYS:HD3	12	0.19
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB1	9	0.19
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB2	9	0.19
(1,7)	1:91:A:SER:H	1:93:A:ALA:HB3	9	0.19
(1,6)	1:4:A:THR:H	1:39:A:THR:HG21	7	0.19
(1,6)	1:4:A:THR:H	1:39:A:THR:HG22	7	0.19
(1,6)	1:4:A:THR:H	1:39:A:THR:HG23	7	0.19
(1,3430)	1:104:A:LEU:HD11	1:136:A:ARG:H	6	0.18
(1,3430)	1:104:A:LEU:HD12	1:136:A:ARG:H	6	0.18
(1,3430)	1:104:A:LEU:HD13	1:136:A:ARG:H	6	0.18
(1,3430)	1:104:A:LEU:HD21	1:136:A:ARG:H	6	0.18
(1,3430)	1:104:A:LEU:HD22	1:136:A:ARG:H	6	0.18
(1,3430)	1:104:A:LEU:HD23	1:136:A:ARG:H	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3393)	1:99:A:VAL:HG11	1:138:A:PHE:H	1	0.18
(1,3393)	1:99:A:VAL:HG12	1:138:A:PHE:H	1	0.18
(1,3393)	1:99:A:VAL:HG13	1:138:A:PHE:H	1	0.18
(1,3393)	1:99:A:VAL:HG21	1:138:A:PHE:H	1	0.18
(1,3393)	1:99:A:VAL:HG22	1:138:A:PHE:H	1	0.18
(1,3393)	1:99:A:VAL:HG23	1:138:A:PHE:H	1	0.18
(1,3393)	1:99:A:VAL:HG11	1:138:A:PHE:H	4	0.18
(1,3393)	1:99:A:VAL:HG12	1:138:A:PHE:H	4	0.18
(1,3393)	1:99:A:VAL:HG13	1:138:A:PHE:H	4	0.18
(1,3393)	1:99:A:VAL:HG21	1:138:A:PHE:H	4	0.18
(1,3393)	1:99:A:VAL:HG22	1:138:A:PHE:H	4	0.18
(1,3393)	1:99:A:VAL:HG23	1:138:A:PHE:H	4	0.18
(1,3393)	1:99:A:VAL:HG11	1:138:A:PHE:H	10	0.18
(1,3393)	1:99:A:VAL:HG12	1:138:A:PHE:H	10	0.18
(1,3393)	1:99:A:VAL:HG13	1:138:A:PHE:H	10	0.18
(1,3393)	1:99:A:VAL:HG21	1:138:A:PHE:H	10	0.18
(1,3393)	1:99:A:VAL:HG22	1:138:A:PHE:H	10	0.18
(1,3393)	1:99:A:VAL:HG23	1:138:A:PHE:H	10	0.18
(1,3393)	1:99:A:VAL:HG11	1:138:A:PHE:H	13	0.18
(1,3393)	1:99:A:VAL:HG12	1:138:A:PHE:H	13	0.18
(1,3393)	1:99:A:VAL:HG13	1:138:A:PHE:H	13	0.18
(1,3393)	1:99:A:VAL:HG21	1:138:A:PHE:H	13	0.18
(1,3393)	1:99:A:VAL:HG22	1:138:A:PHE:H	13	0.18
(1,3393)	1:99:A:VAL:HG23	1:138:A:PHE:H	13	0.18
(1,3393)	1:99:A:VAL:HG11	1:138:A:PHE:H	15	0.18
(1,3393)	1:99:A:VAL:HG12	1:138:A:PHE:H	15	0.18
(1,3393)	1:99:A:VAL:HG13	1:138:A:PHE:H	15	0.18
(1,3393)	1:99:A:VAL:HG21	1:138:A:PHE:H	15	0.18
(1,3393)	1:99:A:VAL:HG22	1:138:A:PHE:H	15	0.18
(1,3393)	1:99:A:VAL:HG23	1:138:A:PHE:H	15	0.18
(1,3393)	1:99:A:VAL:HG11	1:138:A:PHE:H	20	0.18
(1,3393)	1:99:A:VAL:HG12	1:138:A:PHE:H	20	0.18
(1,3393)	1:99:A:VAL:HG13	1:138:A:PHE:H	20	0.18
(1,3393)	1:99:A:VAL:HG21	1:138:A:PHE:H	20	0.18
(1,3393)	1:99:A:VAL:HG22	1:138:A:PHE:H	20	0.18
(1,3393)	1:99:A:VAL:HG23	1:138:A:PHE:H	20	0.18
(1,3387)	1:99:A:VAL:HG11	1:100:A:GLY:H	11	0.18
(1,3387)	1:99:A:VAL:HG12	1:100:A:GLY:H	11	0.18
(1,3387)	1:99:A:VAL:HG13	1:100:A:GLY:H	11	0.18
(1,3387)	1:99:A:VAL:HG21	1:100:A:GLY:H	11	0.18
(1,3387)	1:99:A:VAL:HG22	1:100:A:GLY:H	11	0.18
(1,3387)	1:99:A:VAL:HG23	1:100:A:GLY:H	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG11	20	0.18
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG12	20	0.18
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG13	20	0.18
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG21	20	0.18
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG22	20	0.18
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG23	20	0.18
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG11	20	0.18
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG12	20	0.18
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG13	20	0.18
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG21	20	0.18
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG22	20	0.18
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG23	20	0.18
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG11	20	0.18
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG12	20	0.18
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG13	20	0.18
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG21	20	0.18
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG22	20	0.18
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG23	20	0.18
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG11	20	0.18
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG12	20	0.18
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG13	20	0.18
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG21	20	0.18
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG22	20	0.18
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG23	20	0.18
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG11	20	0.18
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG12	20	0.18
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG13	20	0.18
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG21	20	0.18
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG22	20	0.18
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG23	20	0.18
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG11	20	0.18
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG12	20	0.18
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG13	20	0.18
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG21	20	0.18
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG22	20	0.18
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG23	20	0.18
(1,3318)	1:85:A:VAL:HA	1:102:A:GLN:HG2	20	0.18
(1,3318)	1:85:A:VAL:HA	1:102:A:GLN:HG3	20	0.18
(1,3176)	1:58:A:LEU:HD11	1:131:A:ILE:HG13	12	0.18
(1,3176)	1:58:A:LEU:HD12	1:131:A:ILE:HG13	12	0.18
(1,3176)	1:58:A:LEU:HD13	1:131:A:ILE:HG13	12	0.18
(1,3176)	1:58:A:LEU:HD21	1:131:A:ILE:HG13	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3176)	1:58:A:LEU:HD22	1:131:A:ILE:HG13	12	0.18
(1,3176)	1:58:A:LEU:HD23	1:131:A:ILE:HG13	12	0.18
(1,3135)	1:52:A:VAL:HG11	1:134:A:GLN:HB3	16	0.18
(1,3135)	1:52:A:VAL:HG12	1:134:A:GLN:HB3	16	0.18
(1,3135)	1:52:A:VAL:HG13	1:134:A:GLN:HB3	16	0.18
(1,3135)	1:52:A:VAL:HG21	1:134:A:GLN:HB3	16	0.18
(1,3135)	1:52:A:VAL:HG22	1:134:A:GLN:HB3	16	0.18
(1,3135)	1:52:A:VAL:HG23	1:134:A:GLN:HB3	16	0.18
(1,3065)	1:42:A:LEU:HD11	1:48:A:THR:HB	19	0.18
(1,3065)	1:42:A:LEU:HD12	1:48:A:THR:HB	19	0.18
(1,3065)	1:42:A:LEU:HD13	1:48:A:THR:HB	19	0.18
(1,3065)	1:42:A:LEU:HD21	1:48:A:THR:HB	19	0.18
(1,3065)	1:42:A:LEU:HD22	1:48:A:THR:HB	19	0.18
(1,3065)	1:42:A:LEU:HD23	1:48:A:THR:HB	19	0.18
(1,3023)	1:34:A:LEU:HD11	1:148:A:ALA:HB1	8	0.18
(1,3023)	1:34:A:LEU:HD11	1:148:A:ALA:HB2	8	0.18
(1,3023)	1:34:A:LEU:HD11	1:148:A:ALA:HB3	8	0.18
(1,3023)	1:34:A:LEU:HD12	1:148:A:ALA:HB1	8	0.18
(1,3023)	1:34:A:LEU:HD12	1:148:A:ALA:HB2	8	0.18
(1,3023)	1:34:A:LEU:HD12	1:148:A:ALA:HB3	8	0.18
(1,3023)	1:34:A:LEU:HD13	1:148:A:ALA:HB1	8	0.18
(1,3023)	1:34:A:LEU:HD13	1:148:A:ALA:HB2	8	0.18
(1,3023)	1:34:A:LEU:HD13	1:148:A:ALA:HB3	8	0.18
(1,3023)	1:34:A:LEU:HD21	1:148:A:ALA:HB1	8	0.18
(1,3023)	1:34:A:LEU:HD21	1:148:A:ALA:HB2	8	0.18
(1,3023)	1:34:A:LEU:HD21	1:148:A:ALA:HB3	8	0.18
(1,3023)	1:34:A:LEU:HD22	1:148:A:ALA:HB1	8	0.18
(1,3023)	1:34:A:LEU:HD22	1:148:A:ALA:HB2	8	0.18
(1,3023)	1:34:A:LEU:HD22	1:148:A:ALA:HB3	8	0.18
(1,3023)	1:34:A:LEU:HD23	1:148:A:ALA:HB1	8	0.18
(1,3023)	1:34:A:LEU:HD23	1:148:A:ALA:HB2	8	0.18
(1,3023)	1:34:A:LEU:HD23	1:148:A:ALA:HB3	8	0.18
(1,3023)	1:34:A:LEU:HD11	1:148:A:ALA:HB1	17	0.18
(1,3023)	1:34:A:LEU:HD11	1:148:A:ALA:HB2	17	0.18
(1,3023)	1:34:A:LEU:HD11	1:148:A:ALA:HB3	17	0.18
(1,3023)	1:34:A:LEU:HD12	1:148:A:ALA:HB1	17	0.18
(1,3023)	1:34:A:LEU:HD12	1:148:A:ALA:HB2	17	0.18
(1,3023)	1:34:A:LEU:HD12	1:148:A:ALA:HB3	17	0.18
(1,3023)	1:34:A:LEU:HD13	1:148:A:ALA:HB1	17	0.18
(1,3023)	1:34:A:LEU:HD13	1:148:A:ALA:HB2	17	0.18
(1,3023)	1:34:A:LEU:HD13	1:148:A:ALA:HB3	17	0.18
(1,3023)	1:34:A:LEU:HD21	1:148:A:ALA:HB1	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3023)	1:34:A:LEU:HD21	1:148:A:ALA:HB2	17	0.18
(1,3023)	1:34:A:LEU:HD21	1:148:A:ALA:HB3	17	0.18
(1,3023)	1:34:A:LEU:HD22	1:148:A:ALA:HB1	17	0.18
(1,3023)	1:34:A:LEU:HD22	1:148:A:ALA:HB2	17	0.18
(1,3023)	1:34:A:LEU:HD22	1:148:A:ALA:HB3	17	0.18
(1,3023)	1:34:A:LEU:HD23	1:148:A:ALA:HB1	17	0.18
(1,3023)	1:34:A:LEU:HD23	1:148:A:ALA:HB2	17	0.18
(1,3023)	1:34:A:LEU:HD23	1:148:A:ALA:HB3	17	0.18
(1,2908)	1:16:A:VAL:HG11	1:154:A:PHE:HE1	20	0.18
(1,2908)	1:16:A:VAL:HG11	1:154:A:PHE:HE2	20	0.18
(1,2908)	1:16:A:VAL:HG12	1:154:A:PHE:HE1	20	0.18
(1,2908)	1:16:A:VAL:HG12	1:154:A:PHE:HE2	20	0.18
(1,2908)	1:16:A:VAL:HG13	1:154:A:PHE:HE1	20	0.18
(1,2908)	1:16:A:VAL:HG13	1:154:A:PHE:HE2	20	0.18
(1,2908)	1:16:A:VAL:HG21	1:154:A:PHE:HE1	20	0.18
(1,2908)	1:16:A:VAL:HG21	1:154:A:PHE:HE2	20	0.18
(1,2908)	1:16:A:VAL:HG22	1:154:A:PHE:HE1	20	0.18
(1,2908)	1:16:A:VAL:HG22	1:154:A:PHE:HE2	20	0.18
(1,2908)	1:16:A:VAL:HG23	1:154:A:PHE:HE1	20	0.18
(1,2908)	1:16:A:VAL:HG23	1:154:A:PHE:HE2	20	0.18
(1,2902)	1:16:A:VAL:HG11	1:18:A:ASN:H	15	0.18
(1,2902)	1:16:A:VAL:HG12	1:18:A:ASN:H	15	0.18
(1,2902)	1:16:A:VAL:HG13	1:18:A:ASN:H	15	0.18
(1,2902)	1:16:A:VAL:HG21	1:18:A:ASN:H	15	0.18
(1,2902)	1:16:A:VAL:HG22	1:18:A:ASN:H	15	0.18
(1,2902)	1:16:A:VAL:HG23	1:18:A:ASN:H	15	0.18
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG11	16	0.18
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG12	16	0.18
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG13	16	0.18
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG21	16	0.18
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG22	16	0.18
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG23	16	0.18
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG11	1	0.18
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG12	1	0.18
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG13	1	0.18
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG21	1	0.18
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG22	1	0.18
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG23	1	0.18
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG11	14	0.18
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG12	14	0.18
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG13	14	0.18
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG21	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG22	14	0.18
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG23	14	0.18
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG11	14	0.18
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG12	14	0.18
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG13	14	0.18
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG21	14	0.18
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG22	14	0.18
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG23	14	0.18
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD11	3	0.18
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD12	3	0.18
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD13	3	0.18
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD21	3	0.18
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD22	3	0.18
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD23	3	0.18
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD11	3	0.18
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD12	3	0.18
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD13	3	0.18
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD21	3	0.18
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD22	3	0.18
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD23	3	0.18
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD11	3	0.18
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD12	3	0.18
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD13	3	0.18
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD21	3	0.18
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD22	3	0.18
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD23	3	0.18
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD11	3	0.18
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD12	3	0.18
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD13	3	0.18
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD21	3	0.18
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD22	3	0.18
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD23	3	0.18
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD11	3	0.18
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD12	3	0.18
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD13	3	0.18
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD21	3	0.18
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD22	3	0.18
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD23	3	0.18
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD11	3	0.18
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD12	3	0.18
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD13	3	0.18
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD21	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD22	3	0.18
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD23	3	0.18
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD11	4	0.18
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD12	4	0.18
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD13	4	0.18
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD21	4	0.18
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD22	4	0.18
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD23	4	0.18
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD11	4	0.18
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD12	4	0.18
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD13	4	0.18
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD21	4	0.18
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD22	4	0.18
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD23	4	0.18
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD11	4	0.18
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD12	4	0.18
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD13	4	0.18
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD21	4	0.18
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD22	4	0.18
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD23	4	0.18
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD11	4	0.18
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD12	4	0.18
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD13	4	0.18
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD21	4	0.18
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD22	4	0.18
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD23	4	0.18
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD11	4	0.18
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD12	4	0.18
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD13	4	0.18
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD21	4	0.18
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD22	4	0.18
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD23	4	0.18
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD11	4	0.18
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD12	4	0.18
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD13	4	0.18
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD21	4	0.18
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD22	4	0.18
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD23	4	0.18
(1,2778)	1:99:A:VAL:HG11	1:137:A:TYR:HE1	12	0.18
(1,2778)	1:99:A:VAL:HG11	1:137:A:TYR:HE2	12	0.18
(1,2778)	1:99:A:VAL:HG12	1:137:A:TYR:HE1	12	0.18
(1,2778)	1:99:A:VAL:HG12	1:137:A:TYR:HE2	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2778)	1:99:A:VAL:HG13	1:137:A:TYR:HE1	12	0.18
(1,2778)	1:99:A:VAL:HG13	1:137:A:TYR:HE2	12	0.18
(1,2771)	1:99:A:VAL:H	1:139:A:ALA:HA	11	0.18
(1,2771)	1:99:A:VAL:H	1:139:A:ALA:HA	15	0.18
(1,2742)	1:96:A:ALA:HA	1:144:A:THR:H	10	0.18
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB1	6	0.18
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB2	6	0.18
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB3	6	0.18
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB1	14	0.18
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB2	14	0.18
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB3	14	0.18
(1,2726)	1:89:A:GLN:HG2	1:90:A:SER:H	4	0.18
(1,2726)	1:89:A:GLN:HG3	1:90:A:SER:H	4	0.18
(1,2719)	1:89:A:GLN:H	1:89:A:GLN:HE21	7	0.18
(1,2716)	1:88:A:LEU:HD21	1:148:A:ALA:HA	12	0.18
(1,2716)	1:88:A:LEU:HD22	1:148:A:ALA:HA	12	0.18
(1,2716)	1:88:A:LEU:HD23	1:148:A:ALA:HA	12	0.18
(1,2706)	1:87:A:ALA:H	1:101:A:VAL:H	7	0.18
(1,2634)	1:78:A:ILE:HA	1:87:A:ALA:HA	1	0.18
(1,2601)	1:74:A:LEU:HB2	1:153:A:THR:H	6	0.18
(1,2601)	1:74:A:LEU:HB2	1:153:A:THR:H	18	0.18
(1,2549)	1:6:A:ASN:H	1:146:A:GLY:H	16	0.18
(1,2367)	1:42:A:LEU:HA	1:47:A:ALA:H	20	0.18
(1,2310)	1:32:A:VAL:HG11	1:135:A:ALA:H	11	0.18
(1,2310)	1:32:A:VAL:HG12	1:135:A:ALA:H	11	0.18
(1,2310)	1:32:A:VAL:HG13	1:135:A:ALA:H	11	0.18
(1,2303)	1:31:A:THR:HG21	1:33:A:GLN:HE22	11	0.18
(1,2303)	1:31:A:THR:HG22	1:33:A:GLN:HE22	11	0.18
(1,2303)	1:31:A:THR:HG23	1:33:A:GLN:HE22	11	0.18
(1,2257)	1:22:A:ALA:H	1:59:A:ASN:H	3	0.18
(1,2251)	1:21:A:CYS:HB2	1:59:A:ASN:H	4	0.18
(1,2251)	1:21:A:CYS:HB2	1:59:A:ASN:H	19	0.18
(1,2204)	1:155:A:LYS:HB2	1:156:A:VAL:H	19	0.18
(1,2159)	1:139:A:ALA:H	1:143:A:ALA:HB1	1	0.18
(1,2159)	1:139:A:ALA:H	1:143:A:ALA:HB2	1	0.18
(1,2159)	1:139:A:ALA:H	1:143:A:ALA:HB3	1	0.18
(1,2069)	1:115:A:GLY:H	1:116:A:ALA:HB1	12	0.18
(1,2069)	1:115:A:GLY:H	1:116:A:ALA:HB2	12	0.18
(1,2069)	1:115:A:GLY:H	1:116:A:ALA:HB3	12	0.18
(1,1964)	1:99:A:VAL:H	1:99:A:VAL:HB	3	0.18
(1,1920)	1:89:A:GLN:HA	1:89:A:GLN:HE21	19	0.18
(1,1918)	1:89:A:GLN:H	1:148:A:ALA:HA	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1918)	1:89:A:GLN:H	1:148:A:ALA:HA	19	0.18
(1,1886)	1:79:A:ASP:H	1:82:A:HIS:H	11	0.18
(1,1881)	1:78:A:ILE:HG21	1:82:A:HIS:H	18	0.18
(1,1881)	1:78:A:ILE:HG22	1:82:A:HIS:H	18	0.18
(1,1881)	1:78:A:ILE:HG23	1:82:A:HIS:H	18	0.18
(1,1878)	1:78:A:ILE:HD11	1:87:A:ALA:HA	20	0.18
(1,1878)	1:78:A:ILE:HD12	1:87:A:ALA:HA	20	0.18
(1,1878)	1:78:A:ILE:HD13	1:87:A:ALA:HA	20	0.18
(1,1877)	1:78:A:ILE:HD11	1:140:A:THR:HA	17	0.18
(1,1877)	1:78:A:ILE:HD12	1:140:A:THR:HA	17	0.18
(1,1877)	1:78:A:ILE:HD13	1:140:A:THR:HA	17	0.18
(1,1872)	1:78:A:ILE:H	1:86:A:LEU:HA	10	0.18
(1,1860)	1:75:A:GLY:HA2	1:152:A:ALA:HB1	8	0.18
(1,1860)	1:75:A:GLY:HA2	1:152:A:ALA:HB2	8	0.18
(1,1860)	1:75:A:GLY:HA2	1:152:A:ALA:HB3	8	0.18
(1,1827)	1:70:A:ALA:HB1	1:157:A:GLN:HB2	6	0.18
(1,1827)	1:70:A:ALA:HB2	1:157:A:GLN:HB2	6	0.18
(1,1827)	1:70:A:ALA:HB3	1:157:A:GLN:HB2	6	0.18
(1,1827)	1:70:A:ALA:HB1	1:157:A:GLN:HB2	11	0.18
(1,1827)	1:70:A:ALA:HB2	1:157:A:GLN:HB2	11	0.18
(1,1827)	1:70:A:ALA:HB3	1:157:A:GLN:HB2	11	0.18
(1,1755)	1:52:A:VAL:H	1:136:A:ARG:H	9	0.18
(1,1735)	1:48:A:THR:HG21	1:138:A:PHE:HA	12	0.18
(1,1735)	1:48:A:THR:HG22	1:138:A:PHE:HA	12	0.18
(1,1735)	1:48:A:THR:HG23	1:138:A:PHE:HA	12	0.18
(1,1704)	1:41:A:SER:H	1:41:A:SER:HB3	2	0.18
(1,1704)	1:41:A:SER:H	1:41:A:SER:HB3	4	0.18
(1,1704)	1:41:A:SER:H	1:41:A:SER:HB3	10	0.18
(1,1700)	1:3:A:THR:HB	1:145:A:PRO:HG3	6	0.18
(1,1676)	1:31:A:THR:HG21	1:32:A:VAL:H	2	0.18
(1,1676)	1:31:A:THR:HG22	1:32:A:VAL:H	2	0.18
(1,1676)	1:31:A:THR:HG23	1:32:A:VAL:H	2	0.18
(1,1676)	1:31:A:THR:HG21	1:32:A:VAL:H	3	0.18
(1,1676)	1:31:A:THR:HG22	1:32:A:VAL:H	3	0.18
(1,1676)	1:31:A:THR:HG23	1:32:A:VAL:H	3	0.18
(1,1601)	1:141:A:GLY:H	1:142:A:ALA:H	4	0.18
(1,1578)	1:137:A:TYR:HB3	1:138:A:PHE:HB2	13	0.18
(1,1546)	1:126:A:ASN:HB2	1:127:A:GLY:H	1	0.18
(1,1546)	1:126:A:ASN:HB2	1:127:A:GLY:H	7	0.18
(1,1425)	1:98:A:ASN:HD21	1:142:A:ALA:HA	12	0.18
(1,1418)	1:96:A:ALA:HB1	1:144:A:THR:H	11	0.18
(1,1418)	1:96:A:ALA:HB2	1:144:A:THR:H	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1418)	1:96:A:ALA:HB3	1:144:A:THR:H	11	0.18
(1,1407)	1:89:A:GLN:HB2	1:90:A:SER:H	20	0.18
(1,1377)	1:74:A:LEU:HB3	1:153:A:THR:HB	19	0.18
(1,1354)	1:69:A:ALA:HB1	1:158:A:TYR:HA	18	0.18
(1,1354)	1:69:A:ALA:HB2	1:158:A:TYR:HA	18	0.18
(1,1354)	1:69:A:ALA:HB3	1:158:A:TYR:HA	18	0.18
(1,1354)	1:69:A:ALA:HB1	1:158:A:TYR:HA	19	0.18
(1,1354)	1:69:A:ALA:HB2	1:158:A:TYR:HA	19	0.18
(1,1354)	1:69:A:ALA:HB3	1:158:A:TYR:HA	19	0.18
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD11	5	0.18
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD12	5	0.18
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD13	5	0.18
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD21	5	0.18
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD22	5	0.18
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD23	5	0.18
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD11	5	0.18
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD12	5	0.18
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD13	5	0.18
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD21	5	0.18
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD22	5	0.18
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD23	5	0.18
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD11	5	0.18
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD12	5	0.18
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD13	5	0.18
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD21	5	0.18
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD22	5	0.18
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD23	5	0.18
(1,1261)	1:16:A:VAL:HB	1:17:A:VAL:H	19	0.18
(1,1253)	1:156:A:VAL:H	1:156:A:VAL:HB	4	0.18
(1,1253)	1:156:A:VAL:H	1:156:A:VAL:HB	5	0.18
(1,1253)	1:156:A:VAL:H	1:156:A:VAL:HB	16	0.18
(1,1253)	1:156:A:VAL:H	1:156:A:VAL:HB	18	0.18
(1,1207)	1:11:A:HIS:HD2	1:12:A:PHE:H	14	0.18
(1,1207)	1:11:A:HIS:HD2	1:12:A:PHE:H	19	0.18
(1,1171)	1:97:A:THR:HB	1:98:A:ASN:H	8	0.18
(1,1171)	1:97:A:THR:HB	1:98:A:ASN:H	15	0.18
(1,1171)	1:97:A:THR:HB	1:98:A:ASN:H	19	0.18
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG21	6	0.18
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG22	6	0.18
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG23	6	0.18
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG21	17	0.18
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG22	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG23	17	0.18
(1,1141)	1:72:A:ALA:HB1	1:73:A:PHE:HD1	13	0.18
(1,1141)	1:72:A:ALA:HB1	1:73:A:PHE:HD2	13	0.18
(1,1141)	1:72:A:ALA:HB2	1:73:A:PHE:HD1	13	0.18
(1,1141)	1:72:A:ALA:HB2	1:73:A:PHE:HD2	13	0.18
(1,1141)	1:72:A:ALA:HB3	1:73:A:PHE:HD1	13	0.18
(1,1141)	1:72:A:ALA:HB3	1:73:A:PHE:HD2	13	0.18
(1,1099)	1:48:A:THR:HG21	1:136:A:ARG:HG2	14	0.18
(1,1099)	1:48:A:THR:HG21	1:136:A:ARG:HG3	14	0.18
(1,1099)	1:48:A:THR:HG22	1:136:A:ARG:HG2	14	0.18
(1,1099)	1:48:A:THR:HG22	1:136:A:ARG:HG3	14	0.18
(1,1099)	1:48:A:THR:HG23	1:136:A:ARG:HG2	14	0.18
(1,1099)	1:48:A:THR:HG23	1:136:A:ARG:HG3	14	0.18
(1,1094)	1:45:A:GLU:H	1:142:A:ALA:H	5	0.18
(1,1094)	1:45:A:GLU:H	1:142:A:ALA:H	6	0.18
(1,1091)	1:43:A:ALA:H	1:44:A:GLN:HE21	11	0.18
(1,1091)	1:43:A:ALA:H	1:44:A:GLN:HE21	14	0.18
(1,1091)	1:43:A:ALA:H	1:44:A:GLN:HE21	17	0.18
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG21	1	0.18
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG22	1	0.18
(1,1088)	1:3:A:THR:HB	1:39:A:THR:HG23	1	0.18
(1,1003)	1:72:A:ALA:H	1:73:A:PHE:HD1	6	0.18
(1,1003)	1:72:A:ALA:H	1:73:A:PHE:HD2	6	0.18
(1,987)	1:57:A:GLN:HE21	1:128:A:THR:HG21	1	0.18
(1,987)	1:57:A:GLN:HE21	1:128:A:THR:HG22	1	0.18
(1,987)	1:57:A:GLN:HE21	1:128:A:THR:HG23	1	0.18
(1,963)	1:32:A:VAL:HG21	1:54:A:PHE:HA	11	0.18
(1,963)	1:32:A:VAL:HG22	1:54:A:PHE:HA	11	0.18
(1,963)	1:32:A:VAL:HG23	1:54:A:PHE:HA	11	0.18
(1,904)	1:88:A:LEU:HG	1:100:A:GLY:HA3	5	0.18
(1,879)	1:69:A:ALA:H	1:121:A:GLU:HB3	2	0.18
(1,837)	1:19:A:ALA:HA	1:21:A:CYS:H	10	0.18
(1,831)	1:154:A:PHE:HD1	1:155:A:LYS:H	14	0.18
(1,831)	1:154:A:PHE:HD2	1:155:A:LYS:H	14	0.18
(1,830)	1:14:A:GLY:HA2	1:15:A:GLU:HA	20	0.18
(1,800)	1:10:A:VAL:HG21	1:103:A:ILE:HD11	2	0.18
(1,800)	1:10:A:VAL:HG21	1:103:A:ILE:HD12	2	0.18
(1,800)	1:10:A:VAL:HG21	1:103:A:ILE:HD13	2	0.18
(1,800)	1:10:A:VAL:HG22	1:103:A:ILE:HD11	2	0.18
(1,800)	1:10:A:VAL:HG22	1:103:A:ILE:HD12	2	0.18
(1,800)	1:10:A:VAL:HG22	1:103:A:ILE:HD13	2	0.18
(1,800)	1:10:A:VAL:HG23	1:103:A:ILE:HD11	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,800)	1:10:A:VAL:HG23	1:103:A:ILE:HD12	2	0.18
(1,800)	1:10:A:VAL:HG23	1:103:A:ILE:HD13	2	0.18
(1,800)	1:10:A:VAL:HG21	1:103:A:ILE:HD11	8	0.18
(1,800)	1:10:A:VAL:HG21	1:103:A:ILE:HD12	8	0.18
(1,800)	1:10:A:VAL:HG21	1:103:A:ILE:HD13	8	0.18
(1,800)	1:10:A:VAL:HG22	1:103:A:ILE:HD11	8	0.18
(1,800)	1:10:A:VAL:HG22	1:103:A:ILE:HD12	8	0.18
(1,800)	1:10:A:VAL:HG22	1:103:A:ILE:HD13	8	0.18
(1,800)	1:10:A:VAL:HG23	1:103:A:ILE:HD11	8	0.18
(1,800)	1:10:A:VAL:HG23	1:103:A:ILE:HD12	8	0.18
(1,800)	1:10:A:VAL:HG23	1:103:A:ILE:HD13	8	0.18
(1,800)	1:10:A:VAL:HG21	1:103:A:ILE:HD11	9	0.18
(1,800)	1:10:A:VAL:HG21	1:103:A:ILE:HD12	9	0.18
(1,800)	1:10:A:VAL:HG21	1:103:A:ILE:HD13	9	0.18
(1,800)	1:10:A:VAL:HG22	1:103:A:ILE:HD11	9	0.18
(1,800)	1:10:A:VAL:HG22	1:103:A:ILE:HD12	9	0.18
(1,800)	1:10:A:VAL:HG22	1:103:A:ILE:HD13	9	0.18
(1,800)	1:10:A:VAL:HG23	1:103:A:ILE:HD11	9	0.18
(1,800)	1:10:A:VAL:HG23	1:103:A:ILE:HD12	9	0.18
(1,800)	1:10:A:VAL:HG23	1:103:A:ILE:HD13	9	0.18
(1,792)	1:103:A:ILE:HD11	1:135:A:ALA:HA	20	0.18
(1,792)	1:103:A:ILE:HD12	1:135:A:ALA:HA	20	0.18
(1,792)	1:103:A:ILE:HD13	1:135:A:ALA:HA	20	0.18
(1,775)	1:8:A:GLY:H	1:34:A:LEU:HA	16	0.18
(1,737)	1:32:A:VAL:HG11	1:34:A:LEU:HA	16	0.18
(1,737)	1:32:A:VAL:HG12	1:34:A:LEU:HA	16	0.18
(1,737)	1:32:A:VAL:HG13	1:34:A:LEU:HA	16	0.18
(1,704)	1:122:A:THR:HG21	1:123:A:THR:H	1	0.18
(1,704)	1:122:A:THR:HG22	1:123:A:THR:H	1	0.18
(1,704)	1:122:A:THR:HG23	1:123:A:THR:H	1	0.18
(1,704)	1:122:A:THR:HG21	1:123:A:THR:H	4	0.18
(1,704)	1:122:A:THR:HG22	1:123:A:THR:H	4	0.18
(1,704)	1:122:A:THR:HG23	1:123:A:THR:H	4	0.18
(1,704)	1:122:A:THR:HG21	1:123:A:THR:H	9	0.18
(1,704)	1:122:A:THR:HG22	1:123:A:THR:H	9	0.18
(1,704)	1:122:A:THR:HG23	1:123:A:THR:H	9	0.18
(1,704)	1:122:A:THR:HG21	1:123:A:THR:H	19	0.18
(1,704)	1:122:A:THR:HG22	1:123:A:THR:H	19	0.18
(1,704)	1:122:A:THR:HG23	1:123:A:THR:H	19	0.18
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB1	12	0.18
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB2	12	0.18
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB3	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,681)	1:90:A:SER:H	1:91:A:SER:H	8	0.18
(1,670)	1:70:A:ALA:HB1	1:121:A:GLU:HG2	4	0.18
(1,670)	1:70:A:ALA:HB2	1:121:A:GLU:HG2	4	0.18
(1,670)	1:70:A:ALA:HB3	1:121:A:GLU:HG2	4	0.18
(1,545)	1:70:A:ALA:HA	1:157:A:GLN:HB3	3	0.18
(1,499)	1:45:A:GLU:H	1:141:A:GLY:HA3	11	0.18
(1,499)	1:45:A:GLU:H	1:141:A:GLY:HA3	15	0.18
(1,499)	1:45:A:GLU:H	1:141:A:GLY:HA3	19	0.18
(1,446)	1:27:A:SER:HA	1:56:A:ILE:HG21	12	0.18
(1,446)	1:27:A:SER:HA	1:56:A:ILE:HG22	12	0.18
(1,446)	1:27:A:SER:HA	1:56:A:ILE:HG23	12	0.18
(1,434)	1:111:A:LEU:HB3	1:119:A:SER:H	7	0.18
(1,411)	1:19:A:ALA:HB1	1:158:A:TYR:HE1	8	0.18
(1,411)	1:19:A:ALA:HB1	1:158:A:TYR:HE2	8	0.18
(1,411)	1:19:A:ALA:HB2	1:158:A:TYR:HE1	8	0.18
(1,411)	1:19:A:ALA:HB2	1:158:A:TYR:HE2	8	0.18
(1,411)	1:19:A:ALA:HB3	1:158:A:TYR:HE1	8	0.18
(1,411)	1:19:A:ALA:HB3	1:158:A:TYR:HE2	8	0.18
(1,353)	1:99:A:VAL:HG21	1:100:A:GLY:H	5	0.18
(1,353)	1:99:A:VAL:HG22	1:100:A:GLY:H	5	0.18
(1,353)	1:99:A:VAL:HG23	1:100:A:GLY:H	5	0.18
(1,350)	1:90:A:SER:HA	1:93:A:ALA:H	14	0.18
(1,345)	1:82:A:HIS:HA	1:83:A:THR:HG21	17	0.18
(1,345)	1:82:A:HIS:HA	1:83:A:THR:HG22	17	0.18
(1,345)	1:82:A:HIS:HA	1:83:A:THR:HG23	17	0.18
(1,331)	1:14:A:GLY:HA2	1:15:A:GLU:H	1	0.18
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB1	3	0.18
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB2	3	0.18
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB3	3	0.18
(1,295)	1:39:A:THR:HA	1:42:A:LEU:HG	9	0.18
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD21	4	0.18
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD22	4	0.18
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD23	4	0.18
(1,259)	1:101:A:VAL:HG11	1:138:A:PHE:H	20	0.18
(1,259)	1:101:A:VAL:HG12	1:138:A:PHE:H	20	0.18
(1,259)	1:101:A:VAL:HG13	1:138:A:PHE:H	20	0.18
(1,243)	1:73:A:PHE:HD1	1:119:A:SER:H	3	0.18
(1,243)	1:73:A:PHE:HD2	1:119:A:SER:H	3	0.18
(1,243)	1:73:A:PHE:HD1	1:119:A:SER:H	17	0.18
(1,243)	1:73:A:PHE:HD2	1:119:A:SER:H	17	0.18
(1,216)	1:27:A:SER:HB3	1:56:A:ILE:HG21	19	0.18
(1,216)	1:27:A:SER:HB3	1:56:A:ILE:HG22	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,216)	1:27:A:SER:HB3	1:56:A:ILE:HG23	19	0.18
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG21	7	0.18
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG22	7	0.18
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG23	7	0.18
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG21	8	0.18
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG22	8	0.18
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG23	8	0.18
(1,158)	1:103:A:ILE:HB	1:111:A:LEU:H	13	0.18
(1,151)	1:106:A:ARG:HA	1:133:A:PHE:HE1	13	0.18
(1,151)	1:106:A:ARG:HA	1:133:A:PHE:HE2	13	0.18
(1,118)	1:19:A:ALA:H	1:21:A:CYS:HA	11	0.18
(1,118)	1:19:A:ALA:H	1:21:A:CYS:HA	13	0.18
(1,70)	1:103:A:ILE:H	1:110:A:ALA:HA	1	0.18
(1,54)	1:74:A:LEU:HG	1:152:A:ALA:HA	15	0.18
(1,29)	1:45:A:GLU:HA	1:138:A:PHE:HD1	8	0.18
(1,29)	1:45:A:GLU:HA	1:138:A:PHE:HD2	8	0.18
(1,14)	1:115:A:GLY:HA2	1:155:A:LYS:HD2	15	0.18
(1,14)	1:115:A:GLY:HA2	1:155:A:LYS:HD3	15	0.18
(1,3478)	1:126:A:ASN:H	1:126:A:ASN:HD21	6	0.17
(1,3478)	1:126:A:ASN:H	1:126:A:ASN:HD22	6	0.17
(1,3474)	1:120:A:SER:HB2	1:121:A:GLU:H	11	0.17
(1,3474)	1:120:A:SER:HB3	1:121:A:GLU:H	11	0.17
(1,3391)	1:99:A:VAL:HG11	1:137:A:TYR:HD1	1	0.17
(1,3391)	1:99:A:VAL:HG11	1:137:A:TYR:HD2	1	0.17
(1,3391)	1:99:A:VAL:HG12	1:137:A:TYR:HD1	1	0.17
(1,3391)	1:99:A:VAL:HG12	1:137:A:TYR:HD2	1	0.17
(1,3391)	1:99:A:VAL:HG13	1:137:A:TYR:HD1	1	0.17
(1,3391)	1:99:A:VAL:HG13	1:137:A:TYR:HD2	1	0.17
(1,3391)	1:99:A:VAL:HG21	1:137:A:TYR:HD1	1	0.17
(1,3391)	1:99:A:VAL:HG21	1:137:A:TYR:HD2	1	0.17
(1,3391)	1:99:A:VAL:HG22	1:137:A:TYR:HD1	1	0.17
(1,3391)	1:99:A:VAL:HG22	1:137:A:TYR:HD2	1	0.17
(1,3391)	1:99:A:VAL:HG23	1:137:A:TYR:HD1	1	0.17
(1,3391)	1:99:A:VAL:HG23	1:137:A:TYR:HD2	1	0.17
(1,3391)	1:99:A:VAL:HG11	1:137:A:TYR:HD1	12	0.17
(1,3391)	1:99:A:VAL:HG11	1:137:A:TYR:HD2	12	0.17
(1,3391)	1:99:A:VAL:HG12	1:137:A:TYR:HD1	12	0.17
(1,3391)	1:99:A:VAL:HG12	1:137:A:TYR:HD2	12	0.17
(1,3391)	1:99:A:VAL:HG13	1:137:A:TYR:HD1	12	0.17
(1,3391)	1:99:A:VAL:HG13	1:137:A:TYR:HD2	12	0.17
(1,3391)	1:99:A:VAL:HG21	1:137:A:TYR:HD1	12	0.17
(1,3391)	1:99:A:VAL:HG21	1:137:A:TYR:HD2	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3391)	1:99:A:VAL:HG22	1:137:A:TYR:HD1	12	0.17
(1,3391)	1:99:A:VAL:HG22	1:137:A:TYR:HD2	12	0.17
(1,3391)	1:99:A:VAL:HG23	1:137:A:TYR:HD1	12	0.17
(1,3391)	1:99:A:VAL:HG23	1:137:A:TYR:HD2	12	0.17
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG11	8	0.17
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG12	8	0.17
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG13	8	0.17
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG21	8	0.17
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG22	8	0.17
(1,3379)	1:96:A:ALA:H	1:99:A:VAL:HG23	8	0.17
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG11	4	0.17
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG12	4	0.17
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG13	4	0.17
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG21	4	0.17
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG22	4	0.17
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG23	4	0.17
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG11	4	0.17
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG12	4	0.17
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG13	4	0.17
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG21	4	0.17
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG22	4	0.17
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG23	4	0.17
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG11	4	0.17
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG12	4	0.17
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG13	4	0.17
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG21	4	0.17
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG22	4	0.17
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG23	4	0.17
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG11	4	0.17
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG12	4	0.17
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG13	4	0.17
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG21	4	0.17
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG22	4	0.17
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG23	4	0.17
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG11	4	0.17
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG12	4	0.17
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG13	4	0.17
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG21	4	0.17
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG22	4	0.17
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG23	4	0.17
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG11	4	0.17
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG12	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG13	4	0.17
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG21	4	0.17
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG22	4	0.17
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG23	4	0.17
(1,3318)	1:85:A:VAL:HA	1:102:A:GLN:HG2	9	0.17
(1,3318)	1:85:A:VAL:HA	1:102:A:GLN:HG3	9	0.17
(1,3318)	1:85:A:VAL:HA	1:102:A:GLN:HG2	14	0.17
(1,3318)	1:85:A:VAL:HA	1:102:A:GLN:HG3	14	0.17
(1,3296)	1:79:A:ASP:HB2	1:80:A:ALA:H	3	0.17
(1,3296)	1:79:A:ASP:HB3	1:80:A:ALA:H	3	0.17
(1,3252)	1:71:A:VAL:HG11	1:72:A:ALA:H	1	0.17
(1,3252)	1:71:A:VAL:HG12	1:72:A:ALA:H	1	0.17
(1,3252)	1:71:A:VAL:HG13	1:72:A:ALA:H	1	0.17
(1,3252)	1:71:A:VAL:HG21	1:72:A:ALA:H	1	0.17
(1,3252)	1:71:A:VAL:HG22	1:72:A:ALA:H	1	0.17
(1,3252)	1:71:A:VAL:HG23	1:72:A:ALA:H	1	0.17
(1,3252)	1:71:A:VAL:HG11	1:72:A:ALA:H	4	0.17
(1,3252)	1:71:A:VAL:HG12	1:72:A:ALA:H	4	0.17
(1,3252)	1:71:A:VAL:HG13	1:72:A:ALA:H	4	0.17
(1,3252)	1:71:A:VAL:HG21	1:72:A:ALA:H	4	0.17
(1,3252)	1:71:A:VAL:HG22	1:72:A:ALA:H	4	0.17
(1,3252)	1:71:A:VAL:HG23	1:72:A:ALA:H	4	0.17
(1,3252)	1:71:A:VAL:HG11	1:72:A:ALA:H	14	0.17
(1,3252)	1:71:A:VAL:HG12	1:72:A:ALA:H	14	0.17
(1,3252)	1:71:A:VAL:HG13	1:72:A:ALA:H	14	0.17
(1,3252)	1:71:A:VAL:HG21	1:72:A:ALA:H	14	0.17
(1,3252)	1:71:A:VAL:HG22	1:72:A:ALA:H	14	0.17
(1,3252)	1:71:A:VAL:HG23	1:72:A:ALA:H	14	0.17
(1,3191)	1:62:A:ASP:HB2	1:65:A:VAL:HB	17	0.17
(1,3191)	1:62:A:ASP:HB3	1:65:A:VAL:HB	17	0.17
(1,3176)	1:58:A:LEU:HD11	1:131:A:ILE:HG13	9	0.17
(1,3176)	1:58:A:LEU:HD12	1:131:A:ILE:HG13	9	0.17
(1,3176)	1:58:A:LEU:HD13	1:131:A:ILE:HG13	9	0.17
(1,3176)	1:58:A:LEU:HD21	1:131:A:ILE:HG13	9	0.17
(1,3176)	1:58:A:LEU:HD22	1:131:A:ILE:HG13	9	0.17
(1,3176)	1:58:A:LEU:HD23	1:131:A:ILE:HG13	9	0.17
(1,3022)	1:34:A:LEU:HD11	1:137:A:TYR:HE1	8	0.17
(1,3022)	1:34:A:LEU:HD11	1:137:A:TYR:HE2	8	0.17
(1,3022)	1:34:A:LEU:HD12	1:137:A:TYR:HE1	8	0.17
(1,3022)	1:34:A:LEU:HD12	1:137:A:TYR:HE2	8	0.17
(1,3022)	1:34:A:LEU:HD13	1:137:A:TYR:HE1	8	0.17
(1,3022)	1:34:A:LEU:HD13	1:137:A:TYR:HE2	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3022)	1:34:A:LEU:HD21	1:137:A:TYR:HE1	8	0.17
(1,3022)	1:34:A:LEU:HD21	1:137:A:TYR:HE2	8	0.17
(1,3022)	1:34:A:LEU:HD22	1:137:A:TYR:HE1	8	0.17
(1,3022)	1:34:A:LEU:HD22	1:137:A:TYR:HE2	8	0.17
(1,3022)	1:34:A:LEU:HD23	1:137:A:TYR:HE1	8	0.17
(1,3022)	1:34:A:LEU:HD23	1:137:A:TYR:HE2	8	0.17
(1,2988)	1:28:A:VAL:HG11	1:154:A:PHE:HE1	14	0.17
(1,2988)	1:28:A:VAL:HG11	1:154:A:PHE:HE2	14	0.17
(1,2988)	1:28:A:VAL:HG12	1:154:A:PHE:HE1	14	0.17
(1,2988)	1:28:A:VAL:HG12	1:154:A:PHE:HE2	14	0.17
(1,2988)	1:28:A:VAL:HG13	1:154:A:PHE:HE1	14	0.17
(1,2988)	1:28:A:VAL:HG13	1:154:A:PHE:HE2	14	0.17
(1,2988)	1:28:A:VAL:HG21	1:154:A:PHE:HE1	14	0.17
(1,2988)	1:28:A:VAL:HG21	1:154:A:PHE:HE2	14	0.17
(1,2988)	1:28:A:VAL:HG22	1:154:A:PHE:HE1	14	0.17
(1,2988)	1:28:A:VAL:HG22	1:154:A:PHE:HE2	14	0.17
(1,2988)	1:28:A:VAL:HG23	1:154:A:PHE:HE1	14	0.17
(1,2988)	1:28:A:VAL:HG23	1:154:A:PHE:HE2	14	0.17
(1,2961)	1:24:A:ASP:H	1:27:A:SER:HB2	12	0.17
(1,2961)	1:24:A:ASP:H	1:27:A:SER:HB3	12	0.17
(1,2908)	1:16:A:VAL:HG11	1:154:A:PHE:HE1	4	0.17
(1,2908)	1:16:A:VAL:HG11	1:154:A:PHE:HE2	4	0.17
(1,2908)	1:16:A:VAL:HG12	1:154:A:PHE:HE1	4	0.17
(1,2908)	1:16:A:VAL:HG12	1:154:A:PHE:HE2	4	0.17
(1,2908)	1:16:A:VAL:HG13	1:154:A:PHE:HE1	4	0.17
(1,2908)	1:16:A:VAL:HG13	1:154:A:PHE:HE2	4	0.17
(1,2908)	1:16:A:VAL:HG21	1:154:A:PHE:HE1	4	0.17
(1,2908)	1:16:A:VAL:HG21	1:154:A:PHE:HE2	4	0.17
(1,2908)	1:16:A:VAL:HG22	1:154:A:PHE:HE1	4	0.17
(1,2908)	1:16:A:VAL:HG22	1:154:A:PHE:HE2	4	0.17
(1,2908)	1:16:A:VAL:HG23	1:154:A:PHE:HE1	4	0.17
(1,2908)	1:16:A:VAL:HG23	1:154:A:PHE:HE2	4	0.17
(1,2902)	1:16:A:VAL:HG11	1:18:A:ASN:H	9	0.17
(1,2902)	1:16:A:VAL:HG12	1:18:A:ASN:H	9	0.17
(1,2902)	1:16:A:VAL:HG13	1:18:A:ASN:H	9	0.17
(1,2902)	1:16:A:VAL:HG21	1:18:A:ASN:H	9	0.17
(1,2902)	1:16:A:VAL:HG22	1:18:A:ASN:H	9	0.17
(1,2902)	1:16:A:VAL:HG23	1:18:A:ASN:H	9	0.17
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG11	20	0.17
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG12	20	0.17
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG13	20	0.17
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG21	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG22	20	0.17
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG23	20	0.17
(1,2853)	1:10:A:VAL:HG11	1:32:A:VAL:HA	11	0.17
(1,2853)	1:10:A:VAL:HG12	1:32:A:VAL:HA	11	0.17
(1,2853)	1:10:A:VAL:HG13	1:32:A:VAL:HA	11	0.17
(1,2853)	1:10:A:VAL:HG21	1:32:A:VAL:HA	11	0.17
(1,2853)	1:10:A:VAL:HG22	1:32:A:VAL:HA	11	0.17
(1,2853)	1:10:A:VAL:HG23	1:32:A:VAL:HA	11	0.17
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG11	6	0.17
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG12	6	0.17
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG13	6	0.17
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG21	6	0.17
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG22	6	0.17
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG23	6	0.17
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG11	11	0.17
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG12	11	0.17
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG13	11	0.17
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG21	11	0.17
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG22	11	0.17
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG23	11	0.17
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG11	18	0.17
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG12	18	0.17
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG13	18	0.17
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG21	18	0.17
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG22	18	0.17
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG23	18	0.17
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG11	8	0.17
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG12	8	0.17
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG13	8	0.17
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG21	8	0.17
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG22	8	0.17
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG23	8	0.17
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG11	8	0.17
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG12	8	0.17
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG13	8	0.17
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG21	8	0.17
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG22	8	0.17
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG23	8	0.17
(1,2799)	1:4:A:THR:HG21	1:36:A:GLN:HG2	1	0.17
(1,2799)	1:4:A:THR:HG21	1:36:A:GLN:HG3	1	0.17
(1,2799)	1:4:A:THR:HG22	1:36:A:GLN:HG2	1	0.17
(1,2799)	1:4:A:THR:HG22	1:36:A:GLN:HG3	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2799)	1:4:A:THR:HG23	1:36:A:GLN:HG2	1	0.17
(1,2799)	1:4:A:THR:HG23	1:36:A:GLN:HG3	1	0.17
(1,2778)	1:99:A:VAL:HG11	1:137:A:TYR:HE1	9	0.17
(1,2778)	1:99:A:VAL:HG11	1:137:A:TYR:HE2	9	0.17
(1,2778)	1:99:A:VAL:HG12	1:137:A:TYR:HE1	9	0.17
(1,2778)	1:99:A:VAL:HG12	1:137:A:TYR:HE2	9	0.17
(1,2778)	1:99:A:VAL:HG13	1:137:A:TYR:HE1	9	0.17
(1,2778)	1:99:A:VAL:HG13	1:137:A:TYR:HE2	9	0.17
(1,2771)	1:99:A:VAL:H	1:139:A:ALA:HA	18	0.17
(1,2766)	1:98:A:ASN:HD22	1:142:A:ALA:H	15	0.17
(1,2719)	1:89:A:GLN:H	1:89:A:GLN:HE21	15	0.17
(1,2717)	1:88:A:LEU:HD21	1:89:A:GLN:H	15	0.17
(1,2717)	1:88:A:LEU:HD22	1:89:A:GLN:H	15	0.17
(1,2717)	1:88:A:LEU:HD23	1:89:A:GLN:H	15	0.17
(1,2717)	1:88:A:LEU:HD21	1:89:A:GLN:H	16	0.17
(1,2717)	1:88:A:LEU:HD22	1:89:A:GLN:H	16	0.17
(1,2717)	1:88:A:LEU:HD23	1:89:A:GLN:H	16	0.17
(1,2717)	1:88:A:LEU:HD21	1:89:A:GLN:H	18	0.17
(1,2717)	1:88:A:LEU:HD22	1:89:A:GLN:H	18	0.17
(1,2717)	1:88:A:LEU:HD23	1:89:A:GLN:H	18	0.17
(1,2717)	1:88:A:LEU:HD21	1:89:A:GLN:H	19	0.17
(1,2717)	1:88:A:LEU:HD22	1:89:A:GLN:H	19	0.17
(1,2717)	1:88:A:LEU:HD23	1:89:A:GLN:H	19	0.17
(1,2662)	1:82:A:HIS:HB3	1:83:A:THR:H	8	0.17
(1,2609)	1:75:A:GLY:H	1:115:A:GLY:H	7	0.17
(1,2601)	1:74:A:LEU:HB2	1:153:A:THR:H	7	0.17
(1,2601)	1:74:A:LEU:HB2	1:153:A:THR:H	8	0.17
(1,2529)	1:66:A:ALA:HB1	1:158:A:TYR:HA	16	0.17
(1,2529)	1:66:A:ALA:HB2	1:158:A:TYR:HA	16	0.17
(1,2529)	1:66:A:ALA:HB3	1:158:A:TYR:HA	16	0.17
(1,2526)	1:66:A:ALA:HA	1:68:A:LYS:H	19	0.17
(1,2513)	1:63:A:THR:HA	1:65:A:VAL:H	8	0.17
(1,2508)	1:61:A:CYS:HB2	1:127:A:GLY:H	6	0.17
(1,2466)	1:55:A:ASN:HB3	1:130:A:THR:HG21	2	0.17
(1,2466)	1:55:A:ASN:HB3	1:130:A:THR:HG22	2	0.17
(1,2466)	1:55:A:ASN:HB3	1:130:A:THR:HG23	2	0.17
(1,2316)	1:33:A:GLN:H	1:34:A:LEU:H	4	0.17
(1,2313)	1:32:A:VAL:HG11	1:54:A:PHE:HD1	16	0.17
(1,2313)	1:32:A:VAL:HG11	1:54:A:PHE:HD2	16	0.17
(1,2313)	1:32:A:VAL:HG12	1:54:A:PHE:HD1	16	0.17
(1,2313)	1:32:A:VAL:HG12	1:54:A:PHE:HD2	16	0.17
(1,2313)	1:32:A:VAL:HG13	1:54:A:PHE:HD1	16	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2313)	1:32:A:VAL:HG13	1:54:A:PHE:HD2	16	0.17
(1,2310)	1:32:A:VAL:HG11	1:135:A:ALA:H	16	0.17
(1,2310)	1:32:A:VAL:HG12	1:135:A:ALA:H	16	0.17
(1,2310)	1:32:A:VAL:HG13	1:135:A:ALA:H	16	0.17
(1,2251)	1:21:A:CYS:HB2	1:59:A:ASN:H	2	0.17
(1,2251)	1:21:A:CYS:HB2	1:59:A:ASN:H	3	0.17
(1,2251)	1:21:A:CYS:HB2	1:59:A:ASN:H	7	0.17
(1,2251)	1:21:A:CYS:HB2	1:59:A:ASN:H	9	0.17
(1,2251)	1:21:A:CYS:HB2	1:59:A:ASN:H	10	0.17
(1,2204)	1:155:A:LYS:HB2	1:156:A:VAL:H	1	0.17
(1,2204)	1:155:A:LYS:HB2	1:156:A:VAL:H	15	0.17
(1,2202)	1:155:A:LYS:H	1:155:A:LYS:HG3	20	0.17
(1,2202)	1:155:A:LYS:H	1:155:A:LYS:HG2	20	0.17
(1,2191)	1:149:A:ASN:HD21	1:150:A:ALA:H	14	0.17
(1,2170)	1:13:A:LYS:HB2	1:153:A:THR:HA	12	0.17
(1,2159)	1:139:A:ALA:H	1:143:A:ALA:HB1	11	0.17
(1,2159)	1:139:A:ALA:H	1:143:A:ALA:HB2	11	0.17
(1,2159)	1:139:A:ALA:H	1:143:A:ALA:HB3	11	0.17
(1,2124)	1:130:A:THR:HB	1:131:A:ILE:H	4	0.17
(1,2115)	1:129:A:ASN:HB2	1:130:A:THR:H	5	0.17
(1,2115)	1:129:A:ASN:HB2	1:130:A:THR:H	7	0.17
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD11	20	0.17
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD12	20	0.17
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD13	20	0.17
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD21	20	0.17
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD22	20	0.17
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD23	20	0.17
(1,2069)	1:115:A:GLY:H	1:116:A:ALA:HB1	1	0.17
(1,2069)	1:115:A:GLY:H	1:116:A:ALA:HB2	1	0.17
(1,2069)	1:115:A:GLY:H	1:116:A:ALA:HB3	1	0.17
(1,1989)	1:102:A:GLN:HB3	1:136:A:ARG:H	1	0.17
(1,1964)	1:99:A:VAL:H	1:99:A:VAL:HB	2	0.17
(1,1964)	1:99:A:VAL:H	1:99:A:VAL:HB	5	0.17
(1,1948)	1:97:A:THR:H	1:148:A:ALA:HB1	13	0.17
(1,1948)	1:97:A:THR:H	1:148:A:ALA:HB2	13	0.17
(1,1948)	1:97:A:THR:H	1:148:A:ALA:HB3	13	0.17
(1,1947)	1:97:A:THR:H	1:144:A:THR:H	16	0.17
(1,1934)	1:92:A:ALA:H	1:95:A:SER:HB2	20	0.17
(1,1934)	1:92:A:ALA:H	1:95:A:SER:HB3	20	0.17
(1,1923)	1:8:A:GLY:H	1:148:A:ALA:HB1	14	0.17
(1,1923)	1:8:A:GLY:H	1:148:A:ALA:HB2	14	0.17
(1,1923)	1:8:A:GLY:H	1:148:A:ALA:HB3	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1920)	1:89:A:GLN:HA	1:89:A:GLN:HE21	5	0.17
(1,1918)	1:89:A:GLN:H	1:148:A:ALA:HA	3	0.17
(1,1896)	1:83:A:THR:H	1:83:A:THR:HG21	10	0.17
(1,1896)	1:83:A:THR:H	1:83:A:THR:HG22	10	0.17
(1,1896)	1:83:A:THR:H	1:83:A:THR:HG23	10	0.17
(1,1878)	1:78:A:ILE:HD11	1:87:A:ALA:HA	4	0.17
(1,1878)	1:78:A:ILE:HD12	1:87:A:ALA:HA	4	0.17
(1,1878)	1:78:A:ILE:HD13	1:87:A:ALA:HA	4	0.17
(1,1867)	1:77:A:ALA:HB1	1:82:A:HIS:H	1	0.17
(1,1867)	1:77:A:ALA:HB2	1:82:A:HIS:H	1	0.17
(1,1867)	1:77:A:ALA:HB3	1:82:A:HIS:H	1	0.17
(1,1737)	1:48:A:THR:HG21	1:49:A:SER:H	4	0.17
(1,1737)	1:48:A:THR:HG22	1:49:A:SER:H	4	0.17
(1,1737)	1:48:A:THR:HG23	1:49:A:SER:H	4	0.17
(1,1704)	1:41:A:SER:H	1:41:A:SER:HB3	13	0.17
(1,1704)	1:41:A:SER:H	1:41:A:SER:HB3	14	0.17
(1,1700)	1:3:A:THR:HB	1:145:A:PRO:HG3	15	0.17
(1,1676)	1:31:A:THR:HG21	1:32:A:VAL:H	17	0.17
(1,1676)	1:31:A:THR:HG22	1:32:A:VAL:H	17	0.17
(1,1676)	1:31:A:THR:HG23	1:32:A:VAL:H	17	0.17
(1,1669)	1:28:A:VAL:HG11	1:29:A:ASP:HB3	6	0.17
(1,1669)	1:28:A:VAL:HG12	1:29:A:ASP:HB3	6	0.17
(1,1669)	1:28:A:VAL:HG13	1:29:A:ASP:HB3	6	0.17
(1,1640)	1:18:A:ASN:HD21	1:19:A:ALA:H	17	0.17
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB1	18	0.17
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB2	18	0.17
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB3	18	0.17
(1,1601)	1:141:A:GLY:H	1:142:A:ALA:H	5	0.17
(1,1578)	1:137:A:TYR:HB3	1:138:A:PHE:HB2	6	0.17
(1,1546)	1:126:A:ASN:HB2	1:127:A:GLY:H	10	0.17
(1,1447)	1:103:A:ILE:HG21	1:111:A:LEU:HD11	9	0.17
(1,1447)	1:103:A:ILE:HG21	1:111:A:LEU:HD12	9	0.17
(1,1447)	1:103:A:ILE:HG21	1:111:A:LEU:HD13	9	0.17
(1,1447)	1:103:A:ILE:HG22	1:111:A:LEU:HD11	9	0.17
(1,1447)	1:103:A:ILE:HG22	1:111:A:LEU:HD12	9	0.17
(1,1447)	1:103:A:ILE:HG22	1:111:A:LEU:HD13	9	0.17
(1,1447)	1:103:A:ILE:HG23	1:111:A:LEU:HD11	9	0.17
(1,1447)	1:103:A:ILE:HG23	1:111:A:LEU:HD12	9	0.17
(1,1447)	1:103:A:ILE:HG23	1:111:A:LEU:HD13	9	0.17
(1,1440)	1:102:A:GLN:HB3	1:103:A:ILE:H	4	0.17
(1,1418)	1:96:A:ALA:HB1	1:144:A:THR:H	10	0.17
(1,1418)	1:96:A:ALA:HB2	1:144:A:THR:H	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1418)	1:96:A:ALA:HB3	1:144:A:THR:H	10	0.17
(1,1402)	1:86:A:LEU:HD11	1:152:A:ALA:HB1	6	0.17
(1,1402)	1:86:A:LEU:HD11	1:152:A:ALA:HB2	6	0.17
(1,1402)	1:86:A:LEU:HD11	1:152:A:ALA:HB3	6	0.17
(1,1402)	1:86:A:LEU:HD12	1:152:A:ALA:HB1	6	0.17
(1,1402)	1:86:A:LEU:HD12	1:152:A:ALA:HB2	6	0.17
(1,1402)	1:86:A:LEU:HD12	1:152:A:ALA:HB3	6	0.17
(1,1402)	1:86:A:LEU:HD13	1:152:A:ALA:HB1	6	0.17
(1,1402)	1:86:A:LEU:HD13	1:152:A:ALA:HB2	6	0.17
(1,1402)	1:86:A:LEU:HD13	1:152:A:ALA:HB3	6	0.17
(1,1382)	1:76:A:THR:H	1:86:A:LEU:HA	2	0.17
(1,1361)	1:72:A:ALA:HB1	1:111:A:LEU:HD21	6	0.17
(1,1361)	1:72:A:ALA:HB1	1:111:A:LEU:HD22	6	0.17
(1,1361)	1:72:A:ALA:HB1	1:111:A:LEU:HD23	6	0.17
(1,1361)	1:72:A:ALA:HB2	1:111:A:LEU:HD21	6	0.17
(1,1361)	1:72:A:ALA:HB2	1:111:A:LEU:HD22	6	0.17
(1,1361)	1:72:A:ALA:HB2	1:111:A:LEU:HD23	6	0.17
(1,1361)	1:72:A:ALA:HB3	1:111:A:LEU:HD21	6	0.17
(1,1361)	1:72:A:ALA:HB3	1:111:A:LEU:HD22	6	0.17
(1,1361)	1:72:A:ALA:HB3	1:111:A:LEU:HD23	6	0.17
(1,1361)	1:72:A:ALA:HB1	1:111:A:LEU:HD21	20	0.17
(1,1361)	1:72:A:ALA:HB1	1:111:A:LEU:HD22	20	0.17
(1,1361)	1:72:A:ALA:HB1	1:111:A:LEU:HD23	20	0.17
(1,1361)	1:72:A:ALA:HB2	1:111:A:LEU:HD21	20	0.17
(1,1361)	1:72:A:ALA:HB2	1:111:A:LEU:HD22	20	0.17
(1,1361)	1:72:A:ALA:HB2	1:111:A:LEU:HD23	20	0.17
(1,1361)	1:72:A:ALA:HB3	1:111:A:LEU:HD21	20	0.17
(1,1361)	1:72:A:ALA:HB3	1:111:A:LEU:HD22	20	0.17
(1,1361)	1:72:A:ALA:HB3	1:111:A:LEU:HD23	20	0.17
(1,1349)	1:67:A:SER:HA	1:123:A:THR:HA	11	0.17
(1,1309)	1:43:A:ALA:H	1:47:A:ALA:H	12	0.17
(1,1253)	1:156:A:VAL:H	1:156:A:VAL:HB	6	0.17
(1,1207)	1:11:A:HIS:HD2	1:12:A:PHE:H	7	0.17
(1,1207)	1:11:A:HIS:HD2	1:12:A:PHE:H	9	0.17
(1,1207)	1:11:A:HIS:HD2	1:12:A:PHE:H	20	0.17
(1,1171)	1:97:A:THR:HB	1:98:A:ASN:H	1	0.17
(1,1171)	1:97:A:THR:HB	1:98:A:ASN:H	5	0.17
(1,1171)	1:97:A:THR:HB	1:98:A:ASN:H	6	0.17
(1,1171)	1:97:A:THR:HB	1:98:A:ASN:H	9	0.17
(1,1171)	1:97:A:THR:HB	1:98:A:ASN:H	11	0.17
(1,1171)	1:97:A:THR:HB	1:98:A:ASN:H	12	0.17
(1,1171)	1:97:A:THR:HB	1:98:A:ASN:H	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1171)	1:97:A:THR:HB	1:98:A:ASN:H	14	0.17
(1,1171)	1:97:A:THR:HB	1:98:A:ASN:H	18	0.17
(1,1166)	1:91:A:SER:HA	1:92:A:ALA:HB1	13	0.17
(1,1166)	1:91:A:SER:HA	1:92:A:ALA:HB2	13	0.17
(1,1166)	1:91:A:SER:HA	1:92:A:ALA:HB3	13	0.17
(1,1158)	1:86:A:LEU:HG	1:101:A:VAL:H	11	0.17
(1,1091)	1:43:A:ALA:H	1:44:A:GLN:HE21	15	0.17
(1,1085)	1:34:A:LEU:HA	1:52:A:VAL:HB	20	0.17
(1,1003)	1:72:A:ALA:H	1:73:A:PHE:HD1	1	0.17
(1,1003)	1:72:A:ALA:H	1:73:A:PHE:HD2	1	0.17
(1,1003)	1:72:A:ALA:H	1:73:A:PHE:HD1	10	0.17
(1,1003)	1:72:A:ALA:H	1:73:A:PHE:HD2	10	0.17
(1,981)	1:52:A:VAL:HA	1:54:A:PHE:H	2	0.17
(1,928)	1:116:A:ALA:HA	1:117:A:THR:HB	20	0.17
(1,909)	1:95:A:SER:HA	1:149:A:ASN:H	17	0.17
(1,904)	1:88:A:LEU:HG	1:100:A:GLY:HA3	14	0.17
(1,873)	1:5:A:VAL:HG11	1:7:A:GLY:H	9	0.17
(1,873)	1:5:A:VAL:HG12	1:7:A:GLY:H	9	0.17
(1,873)	1:5:A:VAL:HG13	1:7:A:GLY:H	9	0.17
(1,859)	1:44:A:GLN:H	1:47:A:ALA:H	12	0.17
(1,815)	1:127:A:GLY:H	1:128:A:THR:H	10	0.17
(1,800)	1:10:A:VAL:HG21	1:103:A:ILE:HD11	1	0.17
(1,800)	1:10:A:VAL:HG21	1:103:A:ILE:HD12	1	0.17
(1,800)	1:10:A:VAL:HG21	1:103:A:ILE:HD13	1	0.17
(1,800)	1:10:A:VAL:HG22	1:103:A:ILE:HD11	1	0.17
(1,800)	1:10:A:VAL:HG22	1:103:A:ILE:HD12	1	0.17
(1,800)	1:10:A:VAL:HG22	1:103:A:ILE:HD13	1	0.17
(1,800)	1:10:A:VAL:HG23	1:103:A:ILE:HD11	1	0.17
(1,800)	1:10:A:VAL:HG23	1:103:A:ILE:HD12	1	0.17
(1,800)	1:10:A:VAL:HG23	1:103:A:ILE:HD13	1	0.17
(1,800)	1:10:A:VAL:HG21	1:103:A:ILE:HD11	11	0.17
(1,800)	1:10:A:VAL:HG21	1:103:A:ILE:HD12	11	0.17
(1,800)	1:10:A:VAL:HG21	1:103:A:ILE:HD13	11	0.17
(1,800)	1:10:A:VAL:HG22	1:103:A:ILE:HD11	11	0.17
(1,800)	1:10:A:VAL:HG22	1:103:A:ILE:HD12	11	0.17
(1,800)	1:10:A:VAL:HG22	1:103:A:ILE:HD13	11	0.17
(1,800)	1:10:A:VAL:HG23	1:103:A:ILE:HD11	11	0.17
(1,800)	1:10:A:VAL:HG23	1:103:A:ILE:HD12	11	0.17
(1,800)	1:10:A:VAL:HG23	1:103:A:ILE:HD13	11	0.17
(1,800)	1:10:A:VAL:HG21	1:103:A:ILE:HD11	14	0.17
(1,800)	1:10:A:VAL:HG21	1:103:A:ILE:HD12	14	0.17
(1,800)	1:10:A:VAL:HG21	1:103:A:ILE:HD13	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,800)	1:10:A:VAL:HG22	1:103:A:ILE:HD11	14	0.17
(1,800)	1:10:A:VAL:HG22	1:103:A:ILE:HD12	14	0.17
(1,800)	1:10:A:VAL:HG22	1:103:A:ILE:HD13	14	0.17
(1,800)	1:10:A:VAL:HG23	1:103:A:ILE:HD11	14	0.17
(1,800)	1:10:A:VAL:HG23	1:103:A:ILE:HD12	14	0.17
(1,800)	1:10:A:VAL:HG23	1:103:A:ILE:HD13	14	0.17
(1,800)	1:10:A:VAL:HG21	1:103:A:ILE:HD11	17	0.17
(1,800)	1:10:A:VAL:HG21	1:103:A:ILE:HD12	17	0.17
(1,800)	1:10:A:VAL:HG21	1:103:A:ILE:HD13	17	0.17
(1,800)	1:10:A:VAL:HG22	1:103:A:ILE:HD11	17	0.17
(1,800)	1:10:A:VAL:HG22	1:103:A:ILE:HD12	17	0.17
(1,800)	1:10:A:VAL:HG22	1:103:A:ILE:HD13	17	0.17
(1,800)	1:10:A:VAL:HG23	1:103:A:ILE:HD11	17	0.17
(1,800)	1:10:A:VAL:HG23	1:103:A:ILE:HD12	17	0.17
(1,800)	1:10:A:VAL:HG23	1:103:A:ILE:HD13	17	0.17
(1,800)	1:10:A:VAL:HG21	1:103:A:ILE:HD11	19	0.17
(1,800)	1:10:A:VAL:HG21	1:103:A:ILE:HD12	19	0.17
(1,800)	1:10:A:VAL:HG21	1:103:A:ILE:HD13	19	0.17
(1,800)	1:10:A:VAL:HG22	1:103:A:ILE:HD11	19	0.17
(1,800)	1:10:A:VAL:HG22	1:103:A:ILE:HD12	19	0.17
(1,800)	1:10:A:VAL:HG22	1:103:A:ILE:HD13	19	0.17
(1,800)	1:10:A:VAL:HG23	1:103:A:ILE:HD11	19	0.17
(1,800)	1:10:A:VAL:HG23	1:103:A:ILE:HD12	19	0.17
(1,800)	1:10:A:VAL:HG23	1:103:A:ILE:HD13	19	0.17
(1,737)	1:32:A:VAL:HG11	1:34:A:LEU:HA	14	0.17
(1,737)	1:32:A:VAL:HG12	1:34:A:LEU:HA	14	0.17
(1,737)	1:32:A:VAL:HG13	1:34:A:LEU:HA	14	0.17
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG11	15	0.17
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG12	15	0.17
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG13	15	0.17
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG11	18	0.17
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG12	18	0.17
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG13	18	0.17
(1,704)	1:122:A:THR:HG21	1:123:A:THR:H	6	0.17
(1,704)	1:122:A:THR:HG22	1:123:A:THR:H	6	0.17
(1,704)	1:122:A:THR:HG23	1:123:A:THR:H	6	0.17
(1,692)	1:10:A:VAL:HA	1:149:A:ASN:HA	9	0.17
(1,681)	1:90:A:SER:H	1:91:A:SER:H	6	0.17
(1,676)	1:81:A:GLY:H	1:83:A:THR:H	6	0.17
(1,652)	1:31:A:THR:HB	1:33:A:GLN:HE22	14	0.17
(1,648)	1:19:A:ALA:H	1:22:A:ALA:HA	5	0.17
(1,648)	1:19:A:ALA:H	1:22:A:ALA:HA	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,626)	1:116:A:ALA:HA	1:118:A:PHE:H	20	0.17
(1,620)	1:103:A:ILE:HG21	1:152:A:ALA:HB1	14	0.17
(1,620)	1:103:A:ILE:HG21	1:152:A:ALA:HB2	14	0.17
(1,620)	1:103:A:ILE:HG21	1:152:A:ALA:HB3	14	0.17
(1,620)	1:103:A:ILE:HG22	1:152:A:ALA:HB1	14	0.17
(1,620)	1:103:A:ILE:HG22	1:152:A:ALA:HB2	14	0.17
(1,620)	1:103:A:ILE:HG22	1:152:A:ALA:HB3	14	0.17
(1,620)	1:103:A:ILE:HG23	1:152:A:ALA:HB1	14	0.17
(1,620)	1:103:A:ILE:HG23	1:152:A:ALA:HB2	14	0.17
(1,620)	1:103:A:ILE:HG23	1:152:A:ALA:HB3	14	0.17
(1,620)	1:103:A:ILE:HG21	1:152:A:ALA:HB1	16	0.17
(1,620)	1:103:A:ILE:HG21	1:152:A:ALA:HB2	16	0.17
(1,620)	1:103:A:ILE:HG21	1:152:A:ALA:HB3	16	0.17
(1,620)	1:103:A:ILE:HG22	1:152:A:ALA:HB1	16	0.17
(1,620)	1:103:A:ILE:HG22	1:152:A:ALA:HB2	16	0.17
(1,620)	1:103:A:ILE:HG22	1:152:A:ALA:HB3	16	0.17
(1,620)	1:103:A:ILE:HG23	1:152:A:ALA:HB1	16	0.17
(1,620)	1:103:A:ILE:HG23	1:152:A:ALA:HB2	16	0.17
(1,620)	1:103:A:ILE:HG23	1:152:A:ALA:HB3	16	0.17
(1,567)	1:136:A:ARG:HA	1:137:A:TYR:HE1	5	0.17
(1,567)	1:136:A:ARG:HA	1:137:A:TYR:HE2	5	0.17
(1,536)	1:42:A:LEU:HD11	1:138:A:PHE:H	5	0.17
(1,536)	1:42:A:LEU:HD12	1:138:A:PHE:H	5	0.17
(1,536)	1:42:A:LEU:HD13	1:138:A:PHE:H	5	0.17
(1,519)	1:90:A:SER:HA	1:95:A:SER:HA	20	0.17
(1,499)	1:45:A:GLU:H	1:141:A:GLY:HA3	2	0.17
(1,499)	1:45:A:GLU:H	1:141:A:GLY:HA3	3	0.17
(1,499)	1:45:A:GLU:H	1:141:A:GLY:HA3	8	0.17
(1,499)	1:45:A:GLU:H	1:141:A:GLY:HA3	9	0.17
(1,499)	1:45:A:GLU:H	1:141:A:GLY:HA3	14	0.17
(1,499)	1:45:A:GLU:H	1:141:A:GLY:HA3	17	0.17
(1,441)	1:16:A:VAL:H	1:156:A:VAL:HG21	19	0.17
(1,441)	1:16:A:VAL:H	1:156:A:VAL:HG22	19	0.17
(1,441)	1:16:A:VAL:H	1:156:A:VAL:HG23	19	0.17
(1,427)	1:77:A:ALA:HB1	1:85:A:VAL:H	13	0.17
(1,427)	1:77:A:ALA:HB2	1:85:A:VAL:H	13	0.17
(1,427)	1:77:A:ALA:HB3	1:85:A:VAL:H	13	0.17
(1,357)	1:10:A:VAL:HA	1:149:A:ASN:HB3	3	0.17
(1,357)	1:10:A:VAL:HA	1:149:A:ASN:HB3	5	0.17
(1,350)	1:90:A:SER:HA	1:93:A:ALA:H	3	0.17
(1,334)	1:16:A:VAL:HG11	1:23:A:VAL:HB	15	0.17
(1,334)	1:16:A:VAL:HG12	1:23:A:VAL:HB	15	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,334)	1:16:A:VAL:HG13	1:23:A:VAL:HB	15	0.17
(1,334)	1:16:A:VAL:HG21	1:23:A:VAL:HB	15	0.17
(1,334)	1:16:A:VAL:HG22	1:23:A:VAL:HB	15	0.17
(1,334)	1:16:A:VAL:HG23	1:23:A:VAL:HB	15	0.17
(1,326)	1:118:A:PHE:HB2	1:157:A:GLN:HB3	12	0.17
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD21	19	0.17
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD22	19	0.17
(1,275)	1:107:A:THR:H	1:111:A:LEU:HD23	19	0.17
(1,252)	1:22:A:ALA:H	1:58:A:LEU:HD11	5	0.17
(1,252)	1:22:A:ALA:H	1:58:A:LEU:HD12	5	0.17
(1,252)	1:22:A:ALA:H	1:58:A:LEU:HD13	5	0.17
(1,252)	1:22:A:ALA:H	1:58:A:LEU:HD11	17	0.17
(1,252)	1:22:A:ALA:H	1:58:A:LEU:HD12	17	0.17
(1,252)	1:22:A:ALA:H	1:58:A:LEU:HD13	17	0.17
(1,250)	1:158:A:TYR:HA	1:158:A:TYR:HE1	8	0.17
(1,250)	1:158:A:TYR:HA	1:158:A:TYR:HE2	8	0.17
(1,250)	1:158:A:TYR:HA	1:158:A:TYR:HE1	15	0.17
(1,250)	1:158:A:TYR:HA	1:158:A:TYR:HE2	15	0.17
(1,242)	1:70:A:ALA:H	1:158:A:TYR:HA	8	0.17
(1,242)	1:70:A:ALA:H	1:158:A:TYR:HA	20	0.17
(1,216)	1:27:A:SER:HB3	1:56:A:ILE:HG21	9	0.17
(1,216)	1:27:A:SER:HB3	1:56:A:ILE:HG22	9	0.17
(1,216)	1:27:A:SER:HB3	1:56:A:ILE:HG23	9	0.17
(1,199)	1:17:A:VAL:HG11	1:155:A:LYS:HB2	3	0.17
(1,199)	1:17:A:VAL:HG12	1:155:A:LYS:HB2	3	0.17
(1,199)	1:17:A:VAL:HG13	1:155:A:LYS:HB2	3	0.17
(1,176)	1:32:A:VAL:HG11	1:54:A:PHE:HB2	17	0.17
(1,176)	1:32:A:VAL:HG11	1:54:A:PHE:HB3	17	0.17
(1,176)	1:32:A:VAL:HG12	1:54:A:PHE:HB2	17	0.17
(1,176)	1:32:A:VAL:HG12	1:54:A:PHE:HB3	17	0.17
(1,176)	1:32:A:VAL:HG13	1:54:A:PHE:HB2	17	0.17
(1,176)	1:32:A:VAL:HG13	1:54:A:PHE:HB3	17	0.17
(1,168)	1:103:A:ILE:H	1:110:A:ALA:HB1	7	0.17
(1,168)	1:103:A:ILE:H	1:110:A:ALA:HB2	7	0.17
(1,168)	1:103:A:ILE:H	1:110:A:ALA:HB3	7	0.17
(1,118)	1:19:A:ALA:H	1:21:A:CYS:HA	5	0.17
(1,118)	1:19:A:ALA:H	1:21:A:CYS:HA	9	0.17
(1,99)	1:61:A:CYS:H	1:128:A:THR:H	8	0.17
(1,99)	1:61:A:CYS:H	1:128:A:THR:H	10	0.17
(1,81)	1:71:A:VAL:H	1:156:A:VAL:HG11	14	0.17
(1,81)	1:71:A:VAL:H	1:156:A:VAL:HG12	14	0.17
(1,81)	1:71:A:VAL:H	1:156:A:VAL:HG13	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,70)	1:103:A:ILE:H	1:110:A:ALA:HA	14	0.17
(1,48)	1:150:A:ALA:HB1	1:152:A:ALA:HA	13	0.17
(1,48)	1:150:A:ALA:HB2	1:152:A:ALA:HA	13	0.17
(1,48)	1:150:A:ALA:HB3	1:152:A:ALA:HA	13	0.17
(1,43)	1:42:A:LEU:HD11	1:50:A:SER:H	11	0.17
(1,43)	1:42:A:LEU:HD12	1:50:A:SER:H	11	0.17
(1,43)	1:42:A:LEU:HD13	1:50:A:SER:H	11	0.17
(1,43)	1:42:A:LEU:HD21	1:50:A:SER:H	11	0.17
(1,43)	1:42:A:LEU:HD22	1:50:A:SER:H	11	0.17
(1,43)	1:42:A:LEU:HD23	1:50:A:SER:H	11	0.17
(1,42)	1:156:A:VAL:HA	1:158:A:TYR:H	15	0.17
(1,3)	1:12:A:PHE:HZ	1:73:A:PHE:HZ	11	0.17
(1,1)	1:112:A:THR:HB	1:116:A:ALA:H	8	0.17
(1,3430)	1:104:A:LEU:HD11	1:136:A:ARG:H	16	0.16
(1,3430)	1:104:A:LEU:HD12	1:136:A:ARG:H	16	0.16
(1,3430)	1:104:A:LEU:HD13	1:136:A:ARG:H	16	0.16
(1,3430)	1:104:A:LEU:HD21	1:136:A:ARG:H	16	0.16
(1,3430)	1:104:A:LEU:HD22	1:136:A:ARG:H	16	0.16
(1,3430)	1:104:A:LEU:HD23	1:136:A:ARG:H	16	0.16
(1,3430)	1:104:A:LEU:HD11	1:136:A:ARG:H	18	0.16
(1,3430)	1:104:A:LEU:HD12	1:136:A:ARG:H	18	0.16
(1,3430)	1:104:A:LEU:HD13	1:136:A:ARG:H	18	0.16
(1,3430)	1:104:A:LEU:HD21	1:136:A:ARG:H	18	0.16
(1,3430)	1:104:A:LEU:HD22	1:136:A:ARG:H	18	0.16
(1,3430)	1:104:A:LEU:HD23	1:136:A:ARG:H	18	0.16
(1,3387)	1:99:A:VAL:HG11	1:100:A:GLY:H	7	0.16
(1,3387)	1:99:A:VAL:HG12	1:100:A:GLY:H	7	0.16
(1,3387)	1:99:A:VAL:HG13	1:100:A:GLY:H	7	0.16
(1,3387)	1:99:A:VAL:HG21	1:100:A:GLY:H	7	0.16
(1,3387)	1:99:A:VAL:HG22	1:100:A:GLY:H	7	0.16
(1,3387)	1:99:A:VAL:HG23	1:100:A:GLY:H	7	0.16
(1,3387)	1:99:A:VAL:HG11	1:100:A:GLY:H	12	0.16
(1,3387)	1:99:A:VAL:HG12	1:100:A:GLY:H	12	0.16
(1,3387)	1:99:A:VAL:HG13	1:100:A:GLY:H	12	0.16
(1,3387)	1:99:A:VAL:HG21	1:100:A:GLY:H	12	0.16
(1,3387)	1:99:A:VAL:HG22	1:100:A:GLY:H	12	0.16
(1,3387)	1:99:A:VAL:HG23	1:100:A:GLY:H	12	0.16
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB1	10	0.16
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB2	10	0.16
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB3	10	0.16
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB1	10	0.16
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB2	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB3	10	0.16
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB1	10	0.16
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB2	10	0.16
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB3	10	0.16
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB1	10	0.16
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB2	10	0.16
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB3	10	0.16
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB1	10	0.16
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB2	10	0.16
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB3	10	0.16
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB1	10	0.16
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB2	10	0.16
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB3	10	0.16
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG11	2	0.16
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG12	2	0.16
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG13	2	0.16
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG21	2	0.16
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG22	2	0.16
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG23	2	0.16
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG11	2	0.16
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG12	2	0.16
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG13	2	0.16
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG21	2	0.16
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG22	2	0.16
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG23	2	0.16
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG11	2	0.16
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG12	2	0.16
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG13	2	0.16
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG21	2	0.16
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG22	2	0.16
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG23	2	0.16
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG11	2	0.16
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG12	2	0.16
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG13	2	0.16
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG21	2	0.16
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG22	2	0.16
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG23	2	0.16
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG11	2	0.16
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG12	2	0.16
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG13	2	0.16
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG21	2	0.16
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG22	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG23	2	0.16
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG11	2	0.16
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG12	2	0.16
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG13	2	0.16
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG21	2	0.16
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG22	2	0.16
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG23	2	0.16
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG11	10	0.16
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG12	10	0.16
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG13	10	0.16
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG21	10	0.16
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG22	10	0.16
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG23	10	0.16
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG11	10	0.16
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG12	10	0.16
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG13	10	0.16
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG21	10	0.16
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG22	10	0.16
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG23	10	0.16
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG11	10	0.16
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG12	10	0.16
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG13	10	0.16
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG21	10	0.16
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG22	10	0.16
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG23	10	0.16
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG11	10	0.16
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG12	10	0.16
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG13	10	0.16
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG21	10	0.16
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG22	10	0.16
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG23	10	0.16
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG11	10	0.16
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG12	10	0.16
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG13	10	0.16
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG21	10	0.16
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG22	10	0.16
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG23	10	0.16
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG11	10	0.16
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG12	10	0.16
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG13	10	0.16
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG21	10	0.16
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG22	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG23	10	0.16
(1,3296)	1:79:A:ASP:HB2	1:80:A:ALA:H	2	0.16
(1,3296)	1:79:A:ASP:HB3	1:80:A:ALA:H	2	0.16
(1,3252)	1:71:A:VAL:HG11	1:72:A:ALA:H	9	0.16
(1,3252)	1:71:A:VAL:HG12	1:72:A:ALA:H	9	0.16
(1,3252)	1:71:A:VAL:HG13	1:72:A:ALA:H	9	0.16
(1,3252)	1:71:A:VAL:HG21	1:72:A:ALA:H	9	0.16
(1,3252)	1:71:A:VAL:HG22	1:72:A:ALA:H	9	0.16
(1,3252)	1:71:A:VAL:HG23	1:72:A:ALA:H	9	0.16
(1,3252)	1:71:A:VAL:HG11	1:72:A:ALA:H	16	0.16
(1,3252)	1:71:A:VAL:HG12	1:72:A:ALA:H	16	0.16
(1,3252)	1:71:A:VAL:HG13	1:72:A:ALA:H	16	0.16
(1,3252)	1:71:A:VAL:HG21	1:72:A:ALA:H	16	0.16
(1,3252)	1:71:A:VAL:HG22	1:72:A:ALA:H	16	0.16
(1,3252)	1:71:A:VAL:HG23	1:72:A:ALA:H	16	0.16
(1,3191)	1:62:A:ASP:HB2	1:65:A:VAL:HB	6	0.16
(1,3191)	1:62:A:ASP:HB3	1:65:A:VAL:HB	6	0.16
(1,3127)	1:51:A:ALA:HB1	1:136:A:ARG:HD2	12	0.16
(1,3127)	1:51:A:ALA:HB1	1:136:A:ARG:HD3	12	0.16
(1,3127)	1:51:A:ALA:HB2	1:136:A:ARG:HD2	12	0.16
(1,3127)	1:51:A:ALA:HB2	1:136:A:ARG:HD3	12	0.16
(1,3127)	1:51:A:ALA:HB3	1:136:A:ARG:HD2	12	0.16
(1,3127)	1:51:A:ALA:HB3	1:136:A:ARG:HD3	12	0.16
(1,3065)	1:42:A:LEU:HD11	1:48:A:THR:HB	17	0.16
(1,3065)	1:42:A:LEU:HD12	1:48:A:THR:HB	17	0.16
(1,3065)	1:42:A:LEU:HD13	1:48:A:THR:HB	17	0.16
(1,3065)	1:42:A:LEU:HD21	1:48:A:THR:HB	17	0.16
(1,3065)	1:42:A:LEU:HD22	1:48:A:THR:HB	17	0.16
(1,3065)	1:42:A:LEU:HD23	1:48:A:THR:HB	17	0.16
(1,3022)	1:34:A:LEU:HD11	1:137:A:TYR:HE1	5	0.16
(1,3022)	1:34:A:LEU:HD11	1:137:A:TYR:HE2	5	0.16
(1,3022)	1:34:A:LEU:HD12	1:137:A:TYR:HE1	5	0.16
(1,3022)	1:34:A:LEU:HD12	1:137:A:TYR:HE2	5	0.16
(1,3022)	1:34:A:LEU:HD13	1:137:A:TYR:HE1	5	0.16
(1,3022)	1:34:A:LEU:HD13	1:137:A:TYR:HE2	5	0.16
(1,3022)	1:34:A:LEU:HD21	1:137:A:TYR:HE1	5	0.16
(1,3022)	1:34:A:LEU:HD21	1:137:A:TYR:HE2	5	0.16
(1,3022)	1:34:A:LEU:HD22	1:137:A:TYR:HE1	5	0.16
(1,3022)	1:34:A:LEU:HD22	1:137:A:TYR:HE2	5	0.16
(1,3022)	1:34:A:LEU:HD23	1:137:A:TYR:HE1	5	0.16
(1,3022)	1:34:A:LEU:HD23	1:137:A:TYR:HE2	5	0.16
(1,3022)	1:34:A:LEU:HD11	1:137:A:TYR:HE1	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3022)	1:34:A:LEU:HD11	1:137:A:TYR:HE2	9	0.16
(1,3022)	1:34:A:LEU:HD12	1:137:A:TYR:HE1	9	0.16
(1,3022)	1:34:A:LEU:HD12	1:137:A:TYR:HE2	9	0.16
(1,3022)	1:34:A:LEU:HD13	1:137:A:TYR:HE1	9	0.16
(1,3022)	1:34:A:LEU:HD13	1:137:A:TYR:HE2	9	0.16
(1,3022)	1:34:A:LEU:HD21	1:137:A:TYR:HE1	9	0.16
(1,3022)	1:34:A:LEU:HD21	1:137:A:TYR:HE2	9	0.16
(1,3022)	1:34:A:LEU:HD22	1:137:A:TYR:HE1	9	0.16
(1,3022)	1:34:A:LEU:HD22	1:137:A:TYR:HE2	9	0.16
(1,3022)	1:34:A:LEU:HD23	1:137:A:TYR:HE1	9	0.16
(1,3022)	1:34:A:LEU:HD23	1:137:A:TYR:HE2	9	0.16
(1,3022)	1:34:A:LEU:HD11	1:137:A:TYR:HE1	14	0.16
(1,3022)	1:34:A:LEU:HD11	1:137:A:TYR:HE2	14	0.16
(1,3022)	1:34:A:LEU:HD12	1:137:A:TYR:HE1	14	0.16
(1,3022)	1:34:A:LEU:HD12	1:137:A:TYR:HE2	14	0.16
(1,3022)	1:34:A:LEU:HD13	1:137:A:TYR:HE1	14	0.16
(1,3022)	1:34:A:LEU:HD13	1:137:A:TYR:HE2	14	0.16
(1,3022)	1:34:A:LEU:HD21	1:137:A:TYR:HE1	14	0.16
(1,3022)	1:34:A:LEU:HD21	1:137:A:TYR:HE2	14	0.16
(1,3022)	1:34:A:LEU:HD22	1:137:A:TYR:HE1	14	0.16
(1,3022)	1:34:A:LEU:HD22	1:137:A:TYR:HE2	14	0.16
(1,3022)	1:34:A:LEU:HD23	1:137:A:TYR:HE1	14	0.16
(1,3022)	1:34:A:LEU:HD23	1:137:A:TYR:HE2	14	0.16
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG11	4	0.16
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG12	4	0.16
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG13	4	0.16
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG11	4	0.16
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG12	4	0.16
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG13	4	0.16
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG11	4	0.16
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG12	4	0.16
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG13	4	0.16
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG11	4	0.16
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG12	4	0.16
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG13	4	0.16
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG11	4	0.16
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG12	4	0.16
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG13	4	0.16
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG11	4	0.16
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG12	4	0.16
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG13	4	0.16
(1,2975)	1:27:A:SER:HB2	1:28:A:VAL:H	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2975)	1:27:A:SER:HB3	1:28:A:VAL:H	13	0.16
(1,2908)	1:16:A:VAL:HG11	1:154:A:PHE:HE1	17	0.16
(1,2908)	1:16:A:VAL:HG11	1:154:A:PHE:HE2	17	0.16
(1,2908)	1:16:A:VAL:HG12	1:154:A:PHE:HE1	17	0.16
(1,2908)	1:16:A:VAL:HG12	1:154:A:PHE:HE2	17	0.16
(1,2908)	1:16:A:VAL:HG13	1:154:A:PHE:HE1	17	0.16
(1,2908)	1:16:A:VAL:HG13	1:154:A:PHE:HE2	17	0.16
(1,2908)	1:16:A:VAL:HG21	1:154:A:PHE:HE1	17	0.16
(1,2908)	1:16:A:VAL:HG21	1:154:A:PHE:HE2	17	0.16
(1,2908)	1:16:A:VAL:HG22	1:154:A:PHE:HE1	17	0.16
(1,2908)	1:16:A:VAL:HG22	1:154:A:PHE:HE2	17	0.16
(1,2908)	1:16:A:VAL:HG23	1:154:A:PHE:HE1	17	0.16
(1,2908)	1:16:A:VAL:HG23	1:154:A:PHE:HE2	17	0.16
(1,2883)	1:14:A:GLY:HA2	1:28:A:VAL:HG11	5	0.16
(1,2883)	1:14:A:GLY:HA2	1:28:A:VAL:HG12	5	0.16
(1,2883)	1:14:A:GLY:HA2	1:28:A:VAL:HG13	5	0.16
(1,2883)	1:14:A:GLY:HA2	1:28:A:VAL:HG21	5	0.16
(1,2883)	1:14:A:GLY:HA2	1:28:A:VAL:HG22	5	0.16
(1,2883)	1:14:A:GLY:HA2	1:28:A:VAL:HG23	5	0.16
(1,2883)	1:14:A:GLY:HA2	1:28:A:VAL:HG11	9	0.16
(1,2883)	1:14:A:GLY:HA2	1:28:A:VAL:HG12	9	0.16
(1,2883)	1:14:A:GLY:HA2	1:28:A:VAL:HG13	9	0.16
(1,2883)	1:14:A:GLY:HA2	1:28:A:VAL:HG21	9	0.16
(1,2883)	1:14:A:GLY:HA2	1:28:A:VAL:HG22	9	0.16
(1,2883)	1:14:A:GLY:HA2	1:28:A:VAL:HG23	9	0.16
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG11	5	0.16
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG12	5	0.16
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG13	5	0.16
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG21	5	0.16
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG22	5	0.16
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG23	5	0.16
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG11	19	0.16
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG12	19	0.16
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG13	19	0.16
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG21	19	0.16
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG22	19	0.16
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG23	19	0.16
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG11	17	0.16
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG12	17	0.16
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG13	17	0.16
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG21	17	0.16
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG22	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG23	17	0.16
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG11	17	0.16
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG12	17	0.16
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG13	17	0.16
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG21	17	0.16
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG22	17	0.16
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG23	17	0.16
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD11	18	0.16
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD12	18	0.16
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD13	18	0.16
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD21	18	0.16
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD22	18	0.16
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD23	18	0.16
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD11	18	0.16
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD12	18	0.16
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD13	18	0.16
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD21	18	0.16
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD22	18	0.16
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD23	18	0.16
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD11	18	0.16
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD12	18	0.16
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD13	18	0.16
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD21	18	0.16
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD22	18	0.16
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD23	18	0.16
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD11	18	0.16
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD12	18	0.16
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD13	18	0.16
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD21	18	0.16
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD22	18	0.16
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD23	18	0.16
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD11	18	0.16
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD12	18	0.16
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD13	18	0.16
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD21	18	0.16
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD22	18	0.16
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD23	18	0.16
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD11	18	0.16
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD12	18	0.16
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD13	18	0.16
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD21	18	0.16
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD22	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD23	18	0.16
(1,2799)	1:4:A:THR:HG21	1:36:A:GLN:HG2	17	0.16
(1,2799)	1:4:A:THR:HG21	1:36:A:GLN:HG3	17	0.16
(1,2799)	1:4:A:THR:HG22	1:36:A:GLN:HG2	17	0.16
(1,2799)	1:4:A:THR:HG22	1:36:A:GLN:HG3	17	0.16
(1,2799)	1:4:A:THR:HG23	1:36:A:GLN:HG2	17	0.16
(1,2799)	1:4:A:THR:HG23	1:36:A:GLN:HG3	17	0.16
(1,2798)	1:4:A:THR:HB	1:36:A:GLN:HG2	3	0.16
(1,2798)	1:4:A:THR:HB	1:36:A:GLN:HG3	3	0.16
(1,2798)	1:4:A:THR:HB	1:36:A:GLN:HG2	5	0.16
(1,2798)	1:4:A:THR:HB	1:36:A:GLN:HG3	5	0.16
(1,2793)	1:9:A:THR:HG21	1:33:A:GLN:H	5	0.16
(1,2793)	1:9:A:THR:HG22	1:33:A:GLN:H	5	0.16
(1,2793)	1:9:A:THR:HG23	1:33:A:GLN:H	5	0.16
(1,2792)	1:9:A:THR:HG21	1:32:A:VAL:H	19	0.16
(1,2792)	1:9:A:THR:HG22	1:32:A:VAL:H	19	0.16
(1,2792)	1:9:A:THR:HG23	1:32:A:VAL:H	19	0.16
(1,2790)	1:9:A:THR:HA	1:34:A:LEU:HG	1	0.16
(1,2790)	1:9:A:THR:HA	1:34:A:LEU:HG	8	0.16
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB1	7	0.16
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB2	7	0.16
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB3	7	0.16
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB1	11	0.16
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB2	11	0.16
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB3	11	0.16
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB1	15	0.16
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB2	15	0.16
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB3	15	0.16
(1,2735)	1:93:A:ALA:H	1:95:A:SER:HB2	12	0.16
(1,2735)	1:93:A:ALA:H	1:95:A:SER:HB3	12	0.16
(1,2719)	1:89:A:GLN:H	1:89:A:GLN:HE21	5	0.16
(1,2717)	1:88:A:LEU:HD21	1:89:A:GLN:H	2	0.16
(1,2717)	1:88:A:LEU:HD22	1:89:A:GLN:H	2	0.16
(1,2717)	1:88:A:LEU:HD23	1:89:A:GLN:H	2	0.16
(1,2717)	1:88:A:LEU:HD21	1:89:A:GLN:H	6	0.16
(1,2717)	1:88:A:LEU:HD22	1:89:A:GLN:H	6	0.16
(1,2717)	1:88:A:LEU:HD23	1:89:A:GLN:H	6	0.16
(1,2706)	1:87:A:ALA:H	1:101:A:VAL:H	11	0.16
(1,2662)	1:82:A:HIS:HB3	1:83:A:THR:H	1	0.16
(1,2662)	1:82:A:HIS:HB3	1:83:A:THR:H	13	0.16
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD11	4	0.16
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD12	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2611)	1:75:A:GLY:H	1:86:A:LEU:HD13	4	0.16
(1,2601)	1:74:A:LEU:HB2	1:153:A:THR:H	11	0.16
(1,2560)	1:70:A:ALA:HB1	1:118:A:PHE:H	13	0.16
(1,2560)	1:70:A:ALA:HB2	1:118:A:PHE:H	13	0.16
(1,2560)	1:70:A:ALA:HB3	1:118:A:PHE:H	13	0.16
(1,2549)	1:6:A:ASN:H	1:146:A:GLY:H	13	0.16
(1,2532)	1:66:A:ALA:HB1	1:68:A:LYS:H	18	0.16
(1,2532)	1:66:A:ALA:HB2	1:68:A:LYS:H	18	0.16
(1,2532)	1:66:A:ALA:HB3	1:68:A:LYS:H	18	0.16
(1,2513)	1:63:A:THR:HA	1:65:A:VAL:H	11	0.16
(1,2508)	1:61:A:CYS:HB2	1:127:A:GLY:H	5	0.16
(1,2508)	1:61:A:CYS:HB2	1:127:A:GLY:H	18	0.16
(1,2503)	1:5:A:VAL:HG21	1:39:A:THR:HA	3	0.16
(1,2503)	1:5:A:VAL:HG22	1:39:A:THR:HA	3	0.16
(1,2503)	1:5:A:VAL:HG23	1:39:A:THR:HA	3	0.16
(1,2503)	1:5:A:VAL:HG21	1:39:A:THR:HA	8	0.16
(1,2503)	1:5:A:VAL:HG22	1:39:A:THR:HA	8	0.16
(1,2503)	1:5:A:VAL:HG23	1:39:A:THR:HA	8	0.16
(1,2453)	1:53:A:GLY:H	1:54:A:PHE:H	4	0.16
(1,2452)	1:53:A:GLY:H	1:134:A:GLN:HA	4	0.16
(1,2452)	1:53:A:GLY:H	1:134:A:GLN:HA	7	0.16
(1,2439)	1:51:A:ALA:HA	1:135:A:ALA:H	18	0.16
(1,2408)	1:46:A:GLY:H	1:140:A:THR:HG21	11	0.16
(1,2408)	1:46:A:GLY:H	1:140:A:THR:HG22	11	0.16
(1,2408)	1:46:A:GLY:H	1:140:A:THR:HG23	11	0.16
(1,2403)	1:45:A:GLU:HB3	1:141:A:GLY:H	19	0.16
(1,2356)	1:3:A:THR:HB	1:145:A:PRO:HB3	7	0.16
(1,2351)	1:39:A:THR:HG21	1:146:A:GLY:H	17	0.16
(1,2351)	1:39:A:THR:HG22	1:146:A:GLY:H	17	0.16
(1,2351)	1:39:A:THR:HG23	1:146:A:GLY:H	17	0.16
(1,2316)	1:33:A:GLN:H	1:34:A:LEU:H	3	0.16
(1,2316)	1:33:A:GLN:H	1:34:A:LEU:H	6	0.16
(1,2316)	1:33:A:GLN:H	1:34:A:LEU:H	19	0.16
(1,2251)	1:21:A:CYS:HB2	1:59:A:ASN:H	6	0.16
(1,2251)	1:21:A:CYS:HB2	1:59:A:ASN:H	17	0.16
(1,2251)	1:21:A:CYS:HB2	1:59:A:ASN:H	20	0.16
(1,2204)	1:155:A:LYS:HB2	1:156:A:VAL:H	10	0.16
(1,2159)	1:139:A:ALA:H	1:143:A:ALA:HB1	2	0.16
(1,2159)	1:139:A:ALA:H	1:143:A:ALA:HB2	2	0.16
(1,2159)	1:139:A:ALA:H	1:143:A:ALA:HB3	2	0.16
(1,2159)	1:139:A:ALA:H	1:143:A:ALA:HB1	14	0.16
(1,2159)	1:139:A:ALA:H	1:143:A:ALA:HB2	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2159)	1:139:A:ALA:H	1:143:A:ALA:HB3	14	0.16
(1,2124)	1:130:A:THR:HB	1:131:A:ILE:H	6	0.16
(1,2061)	1:112:A:THR:HB	1:113:A:LEU:H	1	0.16
(1,2044)	1:10:A:VAL:HB	1:32:A:VAL:HB	3	0.16
(1,1968)	1:99:A:VAL:HG11	1:137:A:TYR:HD1	4	0.16
(1,1968)	1:99:A:VAL:HG11	1:137:A:TYR:HD2	4	0.16
(1,1968)	1:99:A:VAL:HG12	1:137:A:TYR:HD1	4	0.16
(1,1968)	1:99:A:VAL:HG12	1:137:A:TYR:HD2	4	0.16
(1,1968)	1:99:A:VAL:HG13	1:137:A:TYR:HD1	4	0.16
(1,1968)	1:99:A:VAL:HG13	1:137:A:TYR:HD2	4	0.16
(1,1968)	1:99:A:VAL:HG11	1:137:A:TYR:HD1	13	0.16
(1,1968)	1:99:A:VAL:HG11	1:137:A:TYR:HD2	13	0.16
(1,1968)	1:99:A:VAL:HG12	1:137:A:TYR:HD1	13	0.16
(1,1968)	1:99:A:VAL:HG12	1:137:A:TYR:HD2	13	0.16
(1,1968)	1:99:A:VAL:HG13	1:137:A:TYR:HD1	13	0.16
(1,1968)	1:99:A:VAL:HG13	1:137:A:TYR:HD2	13	0.16
(1,1964)	1:99:A:VAL:H	1:99:A:VAL:HB	1	0.16
(1,1964)	1:99:A:VAL:H	1:99:A:VAL:HB	12	0.16
(1,1964)	1:99:A:VAL:H	1:99:A:VAL:HB	19	0.16
(1,1946)	1:97:A:THR:H	1:143:A:ALA:HB1	4	0.16
(1,1946)	1:97:A:THR:H	1:143:A:ALA:HB2	4	0.16
(1,1946)	1:97:A:THR:H	1:143:A:ALA:HB3	4	0.16
(1,1920)	1:89:A:GLN:HA	1:89:A:GLN:HE21	4	0.16
(1,1920)	1:89:A:GLN:HA	1:89:A:GLN:HE21	11	0.16
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB1	20	0.16
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB2	20	0.16
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB3	20	0.16
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB1	20	0.16
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB2	20	0.16
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB3	20	0.16
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB1	20	0.16
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB2	20	0.16
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB3	20	0.16
(1,1886)	1:79:A:ASP:H	1:82:A:HIS:H	3	0.16
(1,1886)	1:79:A:ASP:H	1:82:A:HIS:H	16	0.16
(1,1793)	1:63:A:THR:HB	1:65:A:VAL:H	19	0.16
(1,1763)	1:56:A:ILE:H	1:131:A:ILE:HG21	8	0.16
(1,1763)	1:56:A:ILE:H	1:131:A:ILE:HG22	8	0.16
(1,1763)	1:56:A:ILE:H	1:131:A:ILE:HG23	8	0.16
(1,1755)	1:52:A:VAL:H	1:136:A:ARG:H	17	0.16
(1,1708)	1:42:A:LEU:H	1:47:A:ALA:HB1	16	0.16
(1,1708)	1:42:A:LEU:H	1:47:A:ALA:HB2	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1708)	1:42:A:LEU:H	1:47:A:ALA:HB3	16	0.16
(1,1676)	1:31:A:THR:HG21	1:32:A:VAL:H	12	0.16
(1,1676)	1:31:A:THR:HG22	1:32:A:VAL:H	12	0.16
(1,1676)	1:31:A:THR:HG23	1:32:A:VAL:H	12	0.16
(1,1676)	1:31:A:THR:HG21	1:32:A:VAL:H	13	0.16
(1,1676)	1:31:A:THR:HG22	1:32:A:VAL:H	13	0.16
(1,1676)	1:31:A:THR:HG23	1:32:A:VAL:H	13	0.16
(1,1634)	1:16:A:VAL:H	1:155:A:LYS:HA	2	0.16
(1,1634)	1:16:A:VAL:H	1:155:A:LYS:HA	11	0.16
(1,1610)	1:147:A:ALA:HB1	1:149:A:ASN:HD22	3	0.16
(1,1610)	1:147:A:ALA:HB2	1:149:A:ASN:HD22	3	0.16
(1,1610)	1:147:A:ALA:HB3	1:149:A:ASN:HD22	3	0.16
(1,1578)	1:137:A:TYR:HB3	1:138:A:PHE:HB2	12	0.16
(1,1479)	1:105:A:ASP:HB3	1:133:A:PHE:HE1	3	0.16
(1,1479)	1:105:A:ASP:HB3	1:133:A:PHE:HE2	3	0.16
(1,1447)	1:103:A:ILE:HG21	1:111:A:LEU:HD11	8	0.16
(1,1447)	1:103:A:ILE:HG21	1:111:A:LEU:HD12	8	0.16
(1,1447)	1:103:A:ILE:HG21	1:111:A:LEU:HD13	8	0.16
(1,1447)	1:103:A:ILE:HG22	1:111:A:LEU:HD11	8	0.16
(1,1447)	1:103:A:ILE:HG22	1:111:A:LEU:HD12	8	0.16
(1,1447)	1:103:A:ILE:HG22	1:111:A:LEU:HD13	8	0.16
(1,1447)	1:103:A:ILE:HG23	1:111:A:LEU:HD11	8	0.16
(1,1447)	1:103:A:ILE:HG23	1:111:A:LEU:HD12	8	0.16
(1,1447)	1:103:A:ILE:HG23	1:111:A:LEU:HD13	8	0.16
(1,1440)	1:102:A:GLN:HB3	1:103:A:ILE:H	13	0.16
(1,1418)	1:96:A:ALA:HB1	1:144:A:THR:H	18	0.16
(1,1418)	1:96:A:ALA:HB2	1:144:A:THR:H	18	0.16
(1,1418)	1:96:A:ALA:HB3	1:144:A:THR:H	18	0.16
(1,1349)	1:67:A:SER:HA	1:123:A:THR:HA	6	0.16
(1,1322)	1:4:A:THR:HG21	1:36:A:GLN:HG3	6	0.16
(1,1322)	1:4:A:THR:HG22	1:36:A:GLN:HG3	6	0.16
(1,1322)	1:4:A:THR:HG23	1:36:A:GLN:HG3	6	0.16
(1,1308)	1:43:A:ALA:H	1:139:A:ALA:HB1	1	0.16
(1,1308)	1:43:A:ALA:H	1:139:A:ALA:HB2	1	0.16
(1,1308)	1:43:A:ALA:H	1:139:A:ALA:HB3	1	0.16
(1,1289)	1:32:A:VAL:HG21	1:55:A:ASN:H	5	0.16
(1,1289)	1:32:A:VAL:HG22	1:55:A:ASN:H	5	0.16
(1,1289)	1:32:A:VAL:HG23	1:55:A:ASN:H	5	0.16
(1,1286)	1:30:A:GLN:HB3	1:31:A:THR:H	2	0.16
(1,1286)	1:30:A:GLN:HB3	1:31:A:THR:H	7	0.16
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD11	11	0.16
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD12	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD13	11	0.16
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD21	11	0.16
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD22	11	0.16
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD23	11	0.16
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD11	11	0.16
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD12	11	0.16
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD13	11	0.16
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD21	11	0.16
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD22	11	0.16
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD23	11	0.16
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD11	11	0.16
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD12	11	0.16
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD13	11	0.16
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD21	11	0.16
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD22	11	0.16
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD23	11	0.16
(1,1171)	1:97:A:THR:HB	1:98:A:ASN:H	3	0.16
(1,1171)	1:97:A:THR:HB	1:98:A:ASN:H	7	0.16
(1,1171)	1:97:A:THR:HB	1:98:A:ASN:H	16	0.16
(1,1158)	1:86:A:LEU:HG	1:101:A:VAL:H	19	0.16
(1,1141)	1:72:A:ALA:HB1	1:73:A:PHE:HD1	15	0.16
(1,1141)	1:72:A:ALA:HB1	1:73:A:PHE:HD2	15	0.16
(1,1141)	1:72:A:ALA:HB2	1:73:A:PHE:HD1	15	0.16
(1,1141)	1:72:A:ALA:HB2	1:73:A:PHE:HD2	15	0.16
(1,1141)	1:72:A:ALA:HB3	1:73:A:PHE:HD1	15	0.16
(1,1141)	1:72:A:ALA:HB3	1:73:A:PHE:HD2	15	0.16
(1,1098)	1:48:A:THR:HB	1:49:A:SER:H	3	0.16
(1,1094)	1:45:A:GLU:H	1:142:A:ALA:H	20	0.16
(1,1091)	1:43:A:ALA:H	1:44:A:GLN:HE21	16	0.16
(1,1022)	1:91:A:SER:H	1:94:A:GLY:H	16	0.16
(1,1013)	1:82:A:HIS:H	1:84:A:ASN:H	3	0.16
(1,1013)	1:82:A:HIS:H	1:84:A:ASN:H	19	0.16
(1,1003)	1:72:A:ALA:H	1:73:A:PHE:HD1	7	0.16
(1,1003)	1:72:A:ALA:H	1:73:A:PHE:HD2	7	0.16
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB1	19	0.16
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB2	19	0.16
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB3	19	0.16
(1,963)	1:32:A:VAL:HG21	1:54:A:PHE:HA	7	0.16
(1,963)	1:32:A:VAL:HG22	1:54:A:PHE:HA	7	0.16
(1,963)	1:32:A:VAL:HG23	1:54:A:PHE:HA	7	0.16
(1,955)	1:158:A:TYR:HA	1:159:A:GLN:HA	8	0.16
(1,879)	1:69:A:ALA:H	1:121:A:GLU:HB3	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,879)	1:69:A:ALA:H	1:121:A:GLU:HB3	14	0.16
(1,818)	1:12:A:PHE:H	1:30:A:GLN:HG3	5	0.16
(1,775)	1:8:A:GLY:H	1:34:A:LEU:HA	13	0.16
(1,775)	1:8:A:GLY:H	1:34:A:LEU:HA	14	0.16
(1,773)	1:86:A:LEU:HD21	1:151:A:ASP:H	1	0.16
(1,773)	1:86:A:LEU:HD22	1:151:A:ASP:H	1	0.16
(1,773)	1:86:A:LEU:HD23	1:151:A:ASP:H	1	0.16
(1,762)	1:70:A:ALA:HB1	1:121:A:GLU:HG3	6	0.16
(1,762)	1:70:A:ALA:HB2	1:121:A:GLU:HG3	6	0.16
(1,762)	1:70:A:ALA:HB3	1:121:A:GLU:HG3	6	0.16
(1,727)	1:21:A:CYS:HA	1:61:A:CYS:H	20	0.16
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG11	8	0.16
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG12	8	0.16
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG13	8	0.16
(1,691)	1:109:A:ALA:H	1:110:A:ALA:HB1	7	0.16
(1,691)	1:109:A:ALA:H	1:110:A:ALA:HB2	7	0.16
(1,691)	1:109:A:ALA:H	1:110:A:ALA:HB3	7	0.16
(1,681)	1:90:A:SER:H	1:91:A:SER:H	3	0.16
(1,681)	1:90:A:SER:H	1:91:A:SER:H	18	0.16
(1,654)	1:38:A:ARG:HD2	1:40:A:ALA:HB1	17	0.16
(1,654)	1:38:A:ARG:HD2	1:40:A:ALA:HB2	17	0.16
(1,654)	1:38:A:ARG:HD2	1:40:A:ALA:HB3	17	0.16
(1,654)	1:38:A:ARG:HD3	1:40:A:ALA:HB1	17	0.16
(1,654)	1:38:A:ARG:HD3	1:40:A:ALA:HB2	17	0.16
(1,654)	1:38:A:ARG:HD3	1:40:A:ALA:HB3	17	0.16
(1,639)	1:140:A:THR:H	1:143:A:ALA:H	10	0.16
(1,626)	1:116:A:ALA:HA	1:118:A:PHE:H	18	0.16
(1,583)	1:38:A:ARG:HB3	1:41:A:SER:H	4	0.16
(1,567)	1:136:A:ARG:HA	1:137:A:TYR:HE1	9	0.16
(1,567)	1:136:A:ARG:HA	1:137:A:TYR:HE2	9	0.16
(1,563)	1:123:A:THR:HB	1:124:A:LEU:HA	9	0.16
(1,499)	1:45:A:GLU:H	1:141:A:GLY:HA3	5	0.16
(1,499)	1:45:A:GLU:H	1:141:A:GLY:HA3	7	0.16
(1,499)	1:45:A:GLU:H	1:141:A:GLY:HA3	13	0.16
(1,499)	1:45:A:GLU:H	1:141:A:GLY:HA3	16	0.16
(1,499)	1:45:A:GLU:H	1:141:A:GLY:HA3	18	0.16
(1,493)	1:18:A:ASN:H	1:18:A:ASN:HB2	14	0.16
(1,441)	1:16:A:VAL:H	1:156:A:VAL:HG21	1	0.16
(1,441)	1:16:A:VAL:H	1:156:A:VAL:HG22	1	0.16
(1,441)	1:16:A:VAL:H	1:156:A:VAL:HG23	1	0.16
(1,434)	1:111:A:LEU:HB3	1:119:A:SER:H	20	0.16
(1,427)	1:77:A:ALA:HB1	1:85:A:VAL:H	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,427)	1:77:A:ALA:HB2	1:85:A:VAL:H	1	0.16
(1,427)	1:77:A:ALA:HB3	1:85:A:VAL:H	1	0.16
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG21	17	0.16
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG22	17	0.16
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG23	17	0.16
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG21	17	0.16
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG22	17	0.16
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG23	17	0.16
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG21	17	0.16
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG22	17	0.16
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG23	17	0.16
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG21	19	0.16
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG22	19	0.16
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG23	19	0.16
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG21	19	0.16
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG22	19	0.16
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG23	19	0.16
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG21	19	0.16
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG22	19	0.16
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG23	19	0.16
(1,398)	1:78:A:ILE:HD11	1:100:A:GLY:HA3	20	0.16
(1,398)	1:78:A:ILE:HD12	1:100:A:GLY:HA3	20	0.16
(1,398)	1:78:A:ILE:HD13	1:100:A:GLY:HA3	20	0.16
(1,334)	1:16:A:VAL:HG11	1:23:A:VAL:HB	12	0.16
(1,334)	1:16:A:VAL:HG12	1:23:A:VAL:HB	12	0.16
(1,334)	1:16:A:VAL:HG13	1:23:A:VAL:HB	12	0.16
(1,334)	1:16:A:VAL:HG21	1:23:A:VAL:HB	12	0.16
(1,334)	1:16:A:VAL:HG22	1:23:A:VAL:HB	12	0.16
(1,334)	1:16:A:VAL:HG23	1:23:A:VAL:HB	12	0.16
(1,326)	1:118:A:PHE:HB2	1:157:A:GLN:HB3	10	0.16
(1,296)	1:55:A:ASN:HA	1:131:A:ILE:HB	1	0.16
(1,296)	1:55:A:ASN:HA	1:131:A:ILE:HB	12	0.16
(1,296)	1:55:A:ASN:HA	1:131:A:ILE:HB	18	0.16
(1,259)	1:101:A:VAL:HG11	1:138:A:PHE:H	4	0.16
(1,259)	1:101:A:VAL:HG12	1:138:A:PHE:H	4	0.16
(1,259)	1:101:A:VAL:HG13	1:138:A:PHE:H	4	0.16
(1,259)	1:101:A:VAL:HG11	1:138:A:PHE:H	15	0.16
(1,259)	1:101:A:VAL:HG12	1:138:A:PHE:H	15	0.16
(1,259)	1:101:A:VAL:HG13	1:138:A:PHE:H	15	0.16
(1,250)	1:158:A:TYR:HA	1:158:A:TYR:HE1	18	0.16
(1,250)	1:158:A:TYR:HA	1:158:A:TYR:HE2	18	0.16
(1,250)	1:158:A:TYR:HA	1:158:A:TYR:HE1	19	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,250)	1:158:A:TYR:HA	1:158:A:TYR:HE2	19	0.16
(1,243)	1:73:A:PHE:HD1	1:119:A:SER:H	18	0.16
(1,243)	1:73:A:PHE:HD2	1:119:A:SER:H	18	0.16
(1,224)	1:111:A:LEU:HA	1:117:A:THR:HB	1	0.16
(1,222)	1:97:A:THR:HG21	1:98:A:ASN:HD21	20	0.16
(1,222)	1:97:A:THR:HG22	1:98:A:ASN:HD21	20	0.16
(1,222)	1:97:A:THR:HG23	1:98:A:ASN:HD21	20	0.16
(1,220)	1:70:A:ALA:H	1:121:A:GLU:HA	3	0.16
(1,181)	1:74:A:LEU:HG	1:115:A:GLY:HA2	4	0.16
(1,136)	1:72:A:ALA:HB1	1:117:A:THR:HG21	6	0.16
(1,136)	1:72:A:ALA:HB1	1:117:A:THR:HG22	6	0.16
(1,136)	1:72:A:ALA:HB1	1:117:A:THR:HG23	6	0.16
(1,136)	1:72:A:ALA:HB2	1:117:A:THR:HG21	6	0.16
(1,136)	1:72:A:ALA:HB2	1:117:A:THR:HG22	6	0.16
(1,136)	1:72:A:ALA:HB2	1:117:A:THR:HG23	6	0.16
(1,136)	1:72:A:ALA:HB3	1:117:A:THR:HG21	6	0.16
(1,136)	1:72:A:ALA:HB3	1:117:A:THR:HG22	6	0.16
(1,136)	1:72:A:ALA:HB3	1:117:A:THR:HG23	6	0.16
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG21	20	0.16
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG22	20	0.16
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG23	20	0.16
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG21	20	0.16
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG22	20	0.16
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG23	20	0.16
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG21	20	0.16
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG22	20	0.16
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG23	20	0.16
(1,85)	1:100:A:GLY:H	1:138:A:PHE:HD1	13	0.16
(1,85)	1:100:A:GLY:H	1:138:A:PHE:HD2	13	0.16
(1,83)	1:78:A:ILE:HD11	1:139:A:ALA:HA	13	0.16
(1,83)	1:78:A:ILE:HD12	1:139:A:ALA:HA	13	0.16
(1,83)	1:78:A:ILE:HD13	1:139:A:ALA:HA	13	0.16
(1,81)	1:71:A:VAL:H	1:156:A:VAL:HG11	5	0.16
(1,81)	1:71:A:VAL:H	1:156:A:VAL:HG12	5	0.16
(1,81)	1:71:A:VAL:H	1:156:A:VAL:HG13	5	0.16
(1,76)	1:69:A:ALA:HA	1:159:A:GLN:H	16	0.16
(1,69)	1:88:A:LEU:HA	1:149:A:ASN:HA	20	0.16
(1,33)	1:91:A:SER:H	1:93:A:ALA:H	4	0.16
(1,33)	1:91:A:SER:H	1:93:A:ALA:H	15	0.16
(1,29)	1:45:A:GLU:HA	1:138:A:PHE:HD1	3	0.16
(1,29)	1:45:A:GLU:HA	1:138:A:PHE:HD2	3	0.16
(1,29)	1:45:A:GLU:HA	1:138:A:PHE:HD1	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,29)	1:45:A:GLU:HA	1:138:A:PHE:HD2	4	0.16
(1,3490)	1:151:A:ASP:HB2	1:152:A:ALA:H	9	0.15
(1,3490)	1:151:A:ASP:HB3	1:152:A:ALA:H	9	0.15
(1,3430)	1:104:A:LEU:HD11	1:136:A:ARG:H	20	0.15
(1,3430)	1:104:A:LEU:HD12	1:136:A:ARG:H	20	0.15
(1,3430)	1:104:A:LEU:HD13	1:136:A:ARG:H	20	0.15
(1,3430)	1:104:A:LEU:HD21	1:136:A:ARG:H	20	0.15
(1,3430)	1:104:A:LEU:HD22	1:136:A:ARG:H	20	0.15
(1,3430)	1:104:A:LEU:HD23	1:136:A:ARG:H	20	0.15
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD11	17	0.15
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD12	17	0.15
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD13	17	0.15
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD21	17	0.15
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD22	17	0.15
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD23	17	0.15
(1,3391)	1:99:A:VAL:HG11	1:137:A:TYR:HD1	10	0.15
(1,3391)	1:99:A:VAL:HG11	1:137:A:TYR:HD2	10	0.15
(1,3391)	1:99:A:VAL:HG12	1:137:A:TYR:HD1	10	0.15
(1,3391)	1:99:A:VAL:HG12	1:137:A:TYR:HD2	10	0.15
(1,3391)	1:99:A:VAL:HG13	1:137:A:TYR:HD1	10	0.15
(1,3391)	1:99:A:VAL:HG13	1:137:A:TYR:HD2	10	0.15
(1,3391)	1:99:A:VAL:HG21	1:137:A:TYR:HD1	10	0.15
(1,3391)	1:99:A:VAL:HG21	1:137:A:TYR:HD2	10	0.15
(1,3391)	1:99:A:VAL:HG22	1:137:A:TYR:HD1	10	0.15
(1,3391)	1:99:A:VAL:HG22	1:137:A:TYR:HD2	10	0.15
(1,3391)	1:99:A:VAL:HG23	1:137:A:TYR:HD1	10	0.15
(1,3391)	1:99:A:VAL:HG23	1:137:A:TYR:HD2	10	0.15
(1,3387)	1:99:A:VAL:HG11	1:100:A:GLY:H	5	0.15
(1,3387)	1:99:A:VAL:HG12	1:100:A:GLY:H	5	0.15
(1,3387)	1:99:A:VAL:HG13	1:100:A:GLY:H	5	0.15
(1,3387)	1:99:A:VAL:HG21	1:100:A:GLY:H	5	0.15
(1,3387)	1:99:A:VAL:HG22	1:100:A:GLY:H	5	0.15
(1,3387)	1:99:A:VAL:HG23	1:100:A:GLY:H	5	0.15
(1,3378)	1:94:A:GLY:HA2	1:147:A:ALA:HB1	17	0.15
(1,3378)	1:94:A:GLY:HA2	1:147:A:ALA:HB2	17	0.15
(1,3378)	1:94:A:GLY:HA2	1:147:A:ALA:HB3	17	0.15
(1,3378)	1:94:A:GLY:HA3	1:147:A:ALA:HB1	17	0.15
(1,3378)	1:94:A:GLY:HA3	1:147:A:ALA:HB2	17	0.15
(1,3378)	1:94:A:GLY:HA3	1:147:A:ALA:HB3	17	0.15
(1,3318)	1:85:A:VAL:HA	1:102:A:GLN:HG2	12	0.15
(1,3318)	1:85:A:VAL:HA	1:102:A:GLN:HG3	12	0.15
(1,3296)	1:79:A:ASP:HB2	1:80:A:ALA:H	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3296)	1:79:A:ASP:HB3	1:80:A:ALA:H	18	0.15
(1,3296)	1:79:A:ASP:HB2	1:80:A:ALA:H	19	0.15
(1,3296)	1:79:A:ASP:HB3	1:80:A:ALA:H	19	0.15
(1,3269)	1:71:A:VAL:HG11	1:155:A:LYS:H	5	0.15
(1,3269)	1:71:A:VAL:HG12	1:155:A:LYS:H	5	0.15
(1,3269)	1:71:A:VAL:HG13	1:155:A:LYS:H	5	0.15
(1,3269)	1:71:A:VAL:HG21	1:155:A:LYS:H	5	0.15
(1,3269)	1:71:A:VAL:HG22	1:155:A:LYS:H	5	0.15
(1,3269)	1:71:A:VAL:HG23	1:155:A:LYS:H	5	0.15
(1,3252)	1:71:A:VAL:HG11	1:72:A:ALA:H	3	0.15
(1,3252)	1:71:A:VAL:HG12	1:72:A:ALA:H	3	0.15
(1,3252)	1:71:A:VAL:HG13	1:72:A:ALA:H	3	0.15
(1,3252)	1:71:A:VAL:HG21	1:72:A:ALA:H	3	0.15
(1,3252)	1:71:A:VAL:HG22	1:72:A:ALA:H	3	0.15
(1,3252)	1:71:A:VAL:HG23	1:72:A:ALA:H	3	0.15
(1,3252)	1:71:A:VAL:HG11	1:72:A:ALA:H	20	0.15
(1,3252)	1:71:A:VAL:HG12	1:72:A:ALA:H	20	0.15
(1,3252)	1:71:A:VAL:HG13	1:72:A:ALA:H	20	0.15
(1,3252)	1:71:A:VAL:HG21	1:72:A:ALA:H	20	0.15
(1,3252)	1:71:A:VAL:HG22	1:72:A:ALA:H	20	0.15
(1,3252)	1:71:A:VAL:HG23	1:72:A:ALA:H	20	0.15
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB2	13	0.15
(1,3210)	1:66:A:ALA:HB1	1:68:A:LYS:HB3	13	0.15
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB2	13	0.15
(1,3210)	1:66:A:ALA:HB2	1:68:A:LYS:HB3	13	0.15
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB2	13	0.15
(1,3210)	1:66:A:ALA:HB3	1:68:A:LYS:HB3	13	0.15
(1,3135)	1:52:A:VAL:HG11	1:134:A:GLN:HB3	3	0.15
(1,3135)	1:52:A:VAL:HG12	1:134:A:GLN:HB3	3	0.15
(1,3135)	1:52:A:VAL:HG13	1:134:A:GLN:HB3	3	0.15
(1,3135)	1:52:A:VAL:HG21	1:134:A:GLN:HB3	3	0.15
(1,3135)	1:52:A:VAL:HG22	1:134:A:GLN:HB3	3	0.15
(1,3135)	1:52:A:VAL:HG23	1:134:A:GLN:HB3	3	0.15
(1,3081)	1:43:A:ALA:H	1:44:A:GLN:HE21	9	0.15
(1,3081)	1:43:A:ALA:H	1:44:A:GLN:HE22	9	0.15
(1,3024)	1:34:A:LEU:HD11	1:150:A:ALA:H	17	0.15
(1,3024)	1:34:A:LEU:HD12	1:150:A:ALA:H	17	0.15
(1,3024)	1:34:A:LEU:HD13	1:150:A:ALA:H	17	0.15
(1,3024)	1:34:A:LEU:HD21	1:150:A:ALA:H	17	0.15
(1,3024)	1:34:A:LEU:HD22	1:150:A:ALA:H	17	0.15
(1,3024)	1:34:A:LEU:HD23	1:150:A:ALA:H	17	0.15
(1,3022)	1:34:A:LEU:HD11	1:137:A:TYR:HE1	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3022)	1:34:A:LEU:HD11	1:137:A:TYR:HE2	15	0.15
(1,3022)	1:34:A:LEU:HD12	1:137:A:TYR:HE1	15	0.15
(1,3022)	1:34:A:LEU:HD12	1:137:A:TYR:HE2	15	0.15
(1,3022)	1:34:A:LEU:HD13	1:137:A:TYR:HE1	15	0.15
(1,3022)	1:34:A:LEU:HD13	1:137:A:TYR:HE2	15	0.15
(1,3022)	1:34:A:LEU:HD21	1:137:A:TYR:HE1	15	0.15
(1,3022)	1:34:A:LEU:HD21	1:137:A:TYR:HE2	15	0.15
(1,3022)	1:34:A:LEU:HD22	1:137:A:TYR:HE1	15	0.15
(1,3022)	1:34:A:LEU:HD22	1:137:A:TYR:HE2	15	0.15
(1,3022)	1:34:A:LEU:HD23	1:137:A:TYR:HE1	15	0.15
(1,3022)	1:34:A:LEU:HD23	1:137:A:TYR:HE2	15	0.15
(1,3021)	1:34:A:LEU:HD11	1:137:A:TYR:HD1	4	0.15
(1,3021)	1:34:A:LEU:HD11	1:137:A:TYR:HD2	4	0.15
(1,3021)	1:34:A:LEU:HD12	1:137:A:TYR:HD1	4	0.15
(1,3021)	1:34:A:LEU:HD12	1:137:A:TYR:HD2	4	0.15
(1,3021)	1:34:A:LEU:HD13	1:137:A:TYR:HD1	4	0.15
(1,3021)	1:34:A:LEU:HD13	1:137:A:TYR:HD2	4	0.15
(1,3021)	1:34:A:LEU:HD21	1:137:A:TYR:HD1	4	0.15
(1,3021)	1:34:A:LEU:HD21	1:137:A:TYR:HD2	4	0.15
(1,3021)	1:34:A:LEU:HD22	1:137:A:TYR:HD1	4	0.15
(1,3021)	1:34:A:LEU:HD22	1:137:A:TYR:HD2	4	0.15
(1,3021)	1:34:A:LEU:HD23	1:137:A:TYR:HD1	4	0.15
(1,3021)	1:34:A:LEU:HD23	1:137:A:TYR:HD2	4	0.15
(1,3021)	1:34:A:LEU:HD11	1:137:A:TYR:HD1	19	0.15
(1,3021)	1:34:A:LEU:HD11	1:137:A:TYR:HD2	19	0.15
(1,3021)	1:34:A:LEU:HD12	1:137:A:TYR:HD1	19	0.15
(1,3021)	1:34:A:LEU:HD12	1:137:A:TYR:HD2	19	0.15
(1,3021)	1:34:A:LEU:HD13	1:137:A:TYR:HD1	19	0.15
(1,3021)	1:34:A:LEU:HD13	1:137:A:TYR:HD2	19	0.15
(1,3021)	1:34:A:LEU:HD21	1:137:A:TYR:HD1	19	0.15
(1,3021)	1:34:A:LEU:HD21	1:137:A:TYR:HD2	19	0.15
(1,3021)	1:34:A:LEU:HD22	1:137:A:TYR:HD1	19	0.15
(1,3021)	1:34:A:LEU:HD22	1:137:A:TYR:HD2	19	0.15
(1,3021)	1:34:A:LEU:HD23	1:137:A:TYR:HD1	19	0.15
(1,3021)	1:34:A:LEU:HD23	1:137:A:TYR:HD2	19	0.15
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG11	19	0.15
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG12	19	0.15
(1,3016)	1:34:A:LEU:HD11	1:101:A:VAL:HG13	19	0.15
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG11	19	0.15
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG12	19	0.15
(1,3016)	1:34:A:LEU:HD12	1:101:A:VAL:HG13	19	0.15
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG11	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG12	19	0.15
(1,3016)	1:34:A:LEU:HD13	1:101:A:VAL:HG13	19	0.15
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG11	19	0.15
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG12	19	0.15
(1,3016)	1:34:A:LEU:HD21	1:101:A:VAL:HG13	19	0.15
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG11	19	0.15
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG12	19	0.15
(1,3016)	1:34:A:LEU:HD22	1:101:A:VAL:HG13	19	0.15
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG11	19	0.15
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG12	19	0.15
(1,3016)	1:34:A:LEU:HD23	1:101:A:VAL:HG13	19	0.15
(1,3011)	1:34:A:LEU:HD11	1:37:A:VAL:HG11	13	0.15
(1,3011)	1:34:A:LEU:HD11	1:37:A:VAL:HG12	13	0.15
(1,3011)	1:34:A:LEU:HD11	1:37:A:VAL:HG13	13	0.15
(1,3011)	1:34:A:LEU:HD11	1:37:A:VAL:HG21	13	0.15
(1,3011)	1:34:A:LEU:HD11	1:37:A:VAL:HG22	13	0.15
(1,3011)	1:34:A:LEU:HD11	1:37:A:VAL:HG23	13	0.15
(1,3011)	1:34:A:LEU:HD12	1:37:A:VAL:HG11	13	0.15
(1,3011)	1:34:A:LEU:HD12	1:37:A:VAL:HG12	13	0.15
(1,3011)	1:34:A:LEU:HD12	1:37:A:VAL:HG13	13	0.15
(1,3011)	1:34:A:LEU:HD12	1:37:A:VAL:HG21	13	0.15
(1,3011)	1:34:A:LEU:HD12	1:37:A:VAL:HG22	13	0.15
(1,3011)	1:34:A:LEU:HD12	1:37:A:VAL:HG23	13	0.15
(1,3011)	1:34:A:LEU:HD13	1:37:A:VAL:HG11	13	0.15
(1,3011)	1:34:A:LEU:HD13	1:37:A:VAL:HG12	13	0.15
(1,3011)	1:34:A:LEU:HD13	1:37:A:VAL:HG13	13	0.15
(1,3011)	1:34:A:LEU:HD13	1:37:A:VAL:HG21	13	0.15
(1,3011)	1:34:A:LEU:HD13	1:37:A:VAL:HG22	13	0.15
(1,3011)	1:34:A:LEU:HD13	1:37:A:VAL:HG23	13	0.15
(1,3011)	1:34:A:LEU:HD21	1:37:A:VAL:HG11	13	0.15
(1,3011)	1:34:A:LEU:HD21	1:37:A:VAL:HG12	13	0.15
(1,3011)	1:34:A:LEU:HD21	1:37:A:VAL:HG13	13	0.15
(1,3011)	1:34:A:LEU:HD21	1:37:A:VAL:HG21	13	0.15
(1,3011)	1:34:A:LEU:HD21	1:37:A:VAL:HG22	13	0.15
(1,3011)	1:34:A:LEU:HD21	1:37:A:VAL:HG23	13	0.15
(1,3011)	1:34:A:LEU:HD22	1:37:A:VAL:HG11	13	0.15
(1,3011)	1:34:A:LEU:HD22	1:37:A:VAL:HG12	13	0.15
(1,3011)	1:34:A:LEU:HD22	1:37:A:VAL:HG13	13	0.15
(1,3011)	1:34:A:LEU:HD22	1:37:A:VAL:HG21	13	0.15
(1,3011)	1:34:A:LEU:HD22	1:37:A:VAL:HG22	13	0.15
(1,3011)	1:34:A:LEU:HD22	1:37:A:VAL:HG23	13	0.15
(1,3011)	1:34:A:LEU:HD23	1:37:A:VAL:HG11	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3011)	1:34:A:LEU:HD23	1:37:A:VAL:HG12	13	0.15
(1,3011)	1:34:A:LEU:HD23	1:37:A:VAL:HG13	13	0.15
(1,3011)	1:34:A:LEU:HD23	1:37:A:VAL:HG21	13	0.15
(1,3011)	1:34:A:LEU:HD23	1:37:A:VAL:HG22	13	0.15
(1,3011)	1:34:A:LEU:HD23	1:37:A:VAL:HG23	13	0.15
(1,2998)	1:33:A:GLN:HG2	1:35:A:GLY:HA2	16	0.15
(1,2998)	1:33:A:GLN:HG2	1:35:A:GLY:HA3	16	0.15
(1,2998)	1:33:A:GLN:HG3	1:35:A:GLY:HA2	16	0.15
(1,2998)	1:33:A:GLN:HG3	1:35:A:GLY:HA3	16	0.15
(1,2992)	1:30:A:GLN:HB2	1:31:A:THR:H	12	0.15
(1,2992)	1:30:A:GLN:HB3	1:31:A:THR:H	12	0.15
(1,2908)	1:16:A:VAL:HG11	1:154:A:PHE:HE1	8	0.15
(1,2908)	1:16:A:VAL:HG11	1:154:A:PHE:HE2	8	0.15
(1,2908)	1:16:A:VAL:HG12	1:154:A:PHE:HE1	8	0.15
(1,2908)	1:16:A:VAL:HG12	1:154:A:PHE:HE2	8	0.15
(1,2908)	1:16:A:VAL:HG13	1:154:A:PHE:HE1	8	0.15
(1,2908)	1:16:A:VAL:HG13	1:154:A:PHE:HE2	8	0.15
(1,2908)	1:16:A:VAL:HG21	1:154:A:PHE:HE1	8	0.15
(1,2908)	1:16:A:VAL:HG21	1:154:A:PHE:HE2	8	0.15
(1,2908)	1:16:A:VAL:HG22	1:154:A:PHE:HE1	8	0.15
(1,2908)	1:16:A:VAL:HG22	1:154:A:PHE:HE2	8	0.15
(1,2908)	1:16:A:VAL:HG23	1:154:A:PHE:HE1	8	0.15
(1,2908)	1:16:A:VAL:HG23	1:154:A:PHE:HE2	8	0.15
(1,2883)	1:14:A:GLY:HA2	1:28:A:VAL:HG11	2	0.15
(1,2883)	1:14:A:GLY:HA2	1:28:A:VAL:HG12	2	0.15
(1,2883)	1:14:A:GLY:HA2	1:28:A:VAL:HG13	2	0.15
(1,2883)	1:14:A:GLY:HA2	1:28:A:VAL:HG21	2	0.15
(1,2883)	1:14:A:GLY:HA2	1:28:A:VAL:HG22	2	0.15
(1,2883)	1:14:A:GLY:HA2	1:28:A:VAL:HG23	2	0.15
(1,2853)	1:10:A:VAL:HG11	1:32:A:VAL:HA	5	0.15
(1,2853)	1:10:A:VAL:HG12	1:32:A:VAL:HA	5	0.15
(1,2853)	1:10:A:VAL:HG13	1:32:A:VAL:HA	5	0.15
(1,2853)	1:10:A:VAL:HG21	1:32:A:VAL:HA	5	0.15
(1,2853)	1:10:A:VAL:HG22	1:32:A:VAL:HA	5	0.15
(1,2853)	1:10:A:VAL:HG23	1:32:A:VAL:HA	5	0.15
(1,2800)	1:4:A:THR:HG21	1:36:A:GLN:HE21	11	0.15
(1,2800)	1:4:A:THR:HG21	1:36:A:GLN:HE22	11	0.15
(1,2800)	1:4:A:THR:HG22	1:36:A:GLN:HE21	11	0.15
(1,2800)	1:4:A:THR:HG22	1:36:A:GLN:HE22	11	0.15
(1,2800)	1:4:A:THR:HG23	1:36:A:GLN:HE21	11	0.15
(1,2800)	1:4:A:THR:HG23	1:36:A:GLN:HE22	11	0.15
(1,2799)	1:4:A:THR:HG21	1:36:A:GLN:HG2	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2799)	1:4:A:THR:HG21	1:36:A:GLN:HG3	13	0.15
(1,2799)	1:4:A:THR:HG22	1:36:A:GLN:HG2	13	0.15
(1,2799)	1:4:A:THR:HG22	1:36:A:GLN:HG3	13	0.15
(1,2799)	1:4:A:THR:HG23	1:36:A:GLN:HG2	13	0.15
(1,2799)	1:4:A:THR:HG23	1:36:A:GLN:HG3	13	0.15
(1,2778)	1:99:A:VAL:HG11	1:137:A:TYR:HE1	1	0.15
(1,2778)	1:99:A:VAL:HG11	1:137:A:TYR:HE2	1	0.15
(1,2778)	1:99:A:VAL:HG12	1:137:A:TYR:HE1	1	0.15
(1,2778)	1:99:A:VAL:HG12	1:137:A:TYR:HE2	1	0.15
(1,2778)	1:99:A:VAL:HG13	1:137:A:TYR:HE1	1	0.15
(1,2778)	1:99:A:VAL:HG13	1:137:A:TYR:HE2	1	0.15
(1,2771)	1:99:A:VAL:H	1:139:A:ALA:HA	19	0.15
(1,2742)	1:96:A:ALA:HA	1:144:A:THR:H	4	0.15
(1,2742)	1:96:A:ALA:HA	1:144:A:THR:H	13	0.15
(1,2726)	1:89:A:GLN:HG2	1:90:A:SER:H	11	0.15
(1,2726)	1:89:A:GLN:HG3	1:90:A:SER:H	11	0.15
(1,2726)	1:89:A:GLN:HG2	1:90:A:SER:H	15	0.15
(1,2726)	1:89:A:GLN:HG3	1:90:A:SER:H	15	0.15
(1,2717)	1:88:A:LEU:HD21	1:89:A:GLN:H	7	0.15
(1,2717)	1:88:A:LEU:HD22	1:89:A:GLN:H	7	0.15
(1,2717)	1:88:A:LEU:HD23	1:89:A:GLN:H	7	0.15
(1,2716)	1:88:A:LEU:HD21	1:148:A:ALA:HA	4	0.15
(1,2716)	1:88:A:LEU:HD22	1:148:A:ALA:HA	4	0.15
(1,2716)	1:88:A:LEU:HD23	1:148:A:ALA:HA	4	0.15
(1,2634)	1:78:A:ILE:HA	1:87:A:ALA:HA	8	0.15
(1,2612)	1:75:A:GLY:HA2	1:86:A:LEU:HD11	16	0.15
(1,2612)	1:75:A:GLY:HA2	1:86:A:LEU:HD12	16	0.15
(1,2612)	1:75:A:GLY:HA2	1:86:A:LEU:HD13	16	0.15
(1,2609)	1:75:A:GLY:H	1:115:A:GLY:H	4	0.15
(1,2578)	1:72:A:ALA:H	1:157:A:GLN:H	16	0.15
(1,2560)	1:70:A:ALA:HB1	1:118:A:PHE:H	7	0.15
(1,2560)	1:70:A:ALA:HB2	1:118:A:PHE:H	7	0.15
(1,2560)	1:70:A:ALA:HB3	1:118:A:PHE:H	7	0.15
(1,2560)	1:70:A:ALA:HB1	1:118:A:PHE:H	19	0.15
(1,2560)	1:70:A:ALA:HB2	1:118:A:PHE:H	19	0.15
(1,2560)	1:70:A:ALA:HB3	1:118:A:PHE:H	19	0.15
(1,2547)	1:69:A:ALA:HB1	1:158:A:TYR:HE1	8	0.15
(1,2547)	1:69:A:ALA:HB1	1:158:A:TYR:HE2	8	0.15
(1,2547)	1:69:A:ALA:HB2	1:158:A:TYR:HE1	8	0.15
(1,2547)	1:69:A:ALA:HB2	1:158:A:TYR:HE2	8	0.15
(1,2547)	1:69:A:ALA:HB3	1:158:A:TYR:HE1	8	0.15
(1,2547)	1:69:A:ALA:HB3	1:158:A:TYR:HE2	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2532)	1:66:A:ALA:HB1	1:68:A:LYS:H	13	0.15
(1,2532)	1:66:A:ALA:HB2	1:68:A:LYS:H	13	0.15
(1,2532)	1:66:A:ALA:HB3	1:68:A:LYS:H	13	0.15
(1,2453)	1:53:A:GLY:H	1:54:A:PHE:H	19	0.15
(1,2403)	1:45:A:GLU:HB3	1:141:A:GLY:H	3	0.15
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG21	9	0.15
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG22	9	0.15
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG23	9	0.15
(1,2335)	1:35:A:GLY:H	1:36:A:GLN:H	7	0.15
(1,2328)	1:34:A:LEU:HG	1:35:A:GLY:H	1	0.15
(1,2316)	1:33:A:GLN:H	1:34:A:LEU:H	11	0.15
(1,2316)	1:33:A:GLN:H	1:34:A:LEU:H	18	0.15
(1,2303)	1:31:A:THR:HG21	1:33:A:GLN:HE22	20	0.15
(1,2303)	1:31:A:THR:HG22	1:33:A:GLN:HE22	20	0.15
(1,2303)	1:31:A:THR:HG23	1:33:A:GLN:HE22	20	0.15
(1,2251)	1:21:A:CYS:HB2	1:59:A:ASN:H	11	0.15
(1,2251)	1:21:A:CYS:HB2	1:59:A:ASN:H	15	0.15
(1,2251)	1:21:A:CYS:HB2	1:59:A:ASN:H	18	0.15
(1,2241)	1:20:A:ALA:HA	1:66:A:ALA:HB1	13	0.15
(1,2241)	1:20:A:ALA:HA	1:66:A:ALA:HB2	13	0.15
(1,2241)	1:20:A:ALA:HA	1:66:A:ALA:HB3	13	0.15
(1,2204)	1:155:A:LYS:HB2	1:156:A:VAL:H	16	0.15
(1,2191)	1:149:A:ASN:HD21	1:150:A:ALA:H	4	0.15
(1,2171)	1:13:A:LYS:HE2	1:153:A:THR:HG21	9	0.15
(1,2171)	1:13:A:LYS:HE2	1:153:A:THR:HG22	9	0.15
(1,2171)	1:13:A:LYS:HE2	1:153:A:THR:HG23	9	0.15
(1,2171)	1:13:A:LYS:HE3	1:153:A:THR:HG21	9	0.15
(1,2171)	1:13:A:LYS:HE3	1:153:A:THR:HG22	9	0.15
(1,2171)	1:13:A:LYS:HE3	1:153:A:THR:HG23	9	0.15
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD11	9	0.15
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD12	9	0.15
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD13	9	0.15
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD21	9	0.15
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD22	9	0.15
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD23	9	0.15
(1,2020)	1:104:A:LEU:HD21	1:136:A:ARG:H	6	0.15
(1,2020)	1:104:A:LEU:HD22	1:136:A:ARG:H	6	0.15
(1,2020)	1:104:A:LEU:HD23	1:136:A:ARG:H	6	0.15
(1,2011)	1:104:A:LEU:HD11	1:105:A:ASP:H	1	0.15
(1,2011)	1:104:A:LEU:HD12	1:105:A:ASP:H	1	0.15
(1,2011)	1:104:A:LEU:HD13	1:105:A:ASP:H	1	0.15
(1,2000)	1:103:A:ILE:HG21	1:111:A:LEU:HD21	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2000)	1:103:A:ILE:HG21	1:111:A:LEU:HD22	15	0.15
(1,2000)	1:103:A:ILE:HG21	1:111:A:LEU:HD23	15	0.15
(1,2000)	1:103:A:ILE:HG22	1:111:A:LEU:HD21	15	0.15
(1,2000)	1:103:A:ILE:HG22	1:111:A:LEU:HD22	15	0.15
(1,2000)	1:103:A:ILE:HG22	1:111:A:LEU:HD23	15	0.15
(1,2000)	1:103:A:ILE:HG23	1:111:A:LEU:HD21	15	0.15
(1,2000)	1:103:A:ILE:HG23	1:111:A:LEU:HD22	15	0.15
(1,2000)	1:103:A:ILE:HG23	1:111:A:LEU:HD23	15	0.15
(1,1964)	1:99:A:VAL:H	1:99:A:VAL:HB	7	0.15
(1,1963)	1:98:A:ASN:HD22	1:141:A:GLY:HA3	5	0.15
(1,1963)	1:98:A:ASN:HD22	1:141:A:GLY:HA3	9	0.15
(1,1944)	1:96:A:ALA:HB1	1:97:A:THR:HA	20	0.15
(1,1944)	1:96:A:ALA:HB2	1:97:A:THR:HA	20	0.15
(1,1944)	1:96:A:ALA:HB3	1:97:A:THR:HA	20	0.15
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB1	14	0.15
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB2	14	0.15
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB3	14	0.15
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB1	14	0.15
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB2	14	0.15
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB3	14	0.15
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB1	14	0.15
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB2	14	0.15
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB3	14	0.15
(1,1896)	1:83:A:THR:H	1:83:A:THR:HG21	5	0.15
(1,1896)	1:83:A:THR:H	1:83:A:THR:HG22	5	0.15
(1,1896)	1:83:A:THR:H	1:83:A:THR:HG23	5	0.15
(1,1886)	1:79:A:ASP:H	1:82:A:HIS:H	2	0.15
(1,1886)	1:79:A:ASP:H	1:82:A:HIS:H	7	0.15
(1,1881)	1:78:A:ILE:HG21	1:82:A:HIS:H	1	0.15
(1,1881)	1:78:A:ILE:HG22	1:82:A:HIS:H	1	0.15
(1,1881)	1:78:A:ILE:HG23	1:82:A:HIS:H	1	0.15
(1,1881)	1:78:A:ILE:HG21	1:82:A:HIS:H	12	0.15
(1,1881)	1:78:A:ILE:HG22	1:82:A:HIS:H	12	0.15
(1,1881)	1:78:A:ILE:HG23	1:82:A:HIS:H	12	0.15
(1,1862)	1:76:A:THR:HG21	1:77:A:ALA:H	4	0.15
(1,1862)	1:76:A:THR:HG22	1:77:A:ALA:H	4	0.15
(1,1862)	1:76:A:THR:HG23	1:77:A:ALA:H	4	0.15
(1,1793)	1:63:A:THR:HB	1:65:A:VAL:H	20	0.15
(1,1763)	1:56:A:ILE:H	1:131:A:ILE:HG21	2	0.15
(1,1763)	1:56:A:ILE:H	1:131:A:ILE:HG22	2	0.15
(1,1763)	1:56:A:ILE:H	1:131:A:ILE:HG23	2	0.15
(1,1763)	1:56:A:ILE:H	1:131:A:ILE:HG21	20	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1763)	1:56:A:ILE:H	1:131:A:ILE:HG22	20	0.15
(1,1763)	1:56:A:ILE:H	1:131:A:ILE:HG23	20	0.15
(1,1755)	1:52:A:VAL:H	1:136:A:ARG:H	11	0.15
(1,1753)	1:51:A:ALA:HB1	1:134:A:GLN:HE22	3	0.15
(1,1753)	1:51:A:ALA:HB2	1:134:A:GLN:HE22	3	0.15
(1,1753)	1:51:A:ALA:HB3	1:134:A:GLN:HE22	3	0.15
(1,1734)	1:48:A:THR:HG21	1:138:A:PHE:H	5	0.15
(1,1734)	1:48:A:THR:HG22	1:138:A:PHE:H	5	0.15
(1,1734)	1:48:A:THR:HG23	1:138:A:PHE:H	5	0.15
(1,1732)	1:48:A:THR:HB	1:136:A:ARG:HE	7	0.15
(1,1704)	1:41:A:SER:H	1:41:A:SER:HB3	8	0.15
(1,1704)	1:41:A:SER:H	1:41:A:SER:HB3	9	0.15
(1,1704)	1:41:A:SER:H	1:41:A:SER:HB3	20	0.15
(1,1677)	1:31:A:THR:HG21	1:33:A:GLN:HE21	15	0.15
(1,1677)	1:31:A:THR:HG22	1:33:A:GLN:HE21	15	0.15
(1,1677)	1:31:A:THR:HG23	1:33:A:GLN:HE21	15	0.15
(1,1676)	1:31:A:THR:HG21	1:32:A:VAL:H	11	0.15
(1,1676)	1:31:A:THR:HG22	1:32:A:VAL:H	11	0.15
(1,1676)	1:31:A:THR:HG23	1:32:A:VAL:H	11	0.15
(1,1676)	1:31:A:THR:HG21	1:32:A:VAL:H	20	0.15
(1,1676)	1:31:A:THR:HG22	1:32:A:VAL:H	20	0.15
(1,1676)	1:31:A:THR:HG23	1:32:A:VAL:H	20	0.15
(1,1669)	1:28:A:VAL:HG11	1:29:A:ASP:HB3	4	0.15
(1,1669)	1:28:A:VAL:HG12	1:29:A:ASP:HB3	4	0.15
(1,1669)	1:28:A:VAL:HG13	1:29:A:ASP:HB3	4	0.15
(1,1618)	1:152:A:ALA:HB1	1:153:A:THR:H	6	0.15
(1,1618)	1:152:A:ALA:HB2	1:153:A:THR:H	6	0.15
(1,1618)	1:152:A:ALA:HB3	1:153:A:THR:H	6	0.15
(1,1601)	1:141:A:GLY:H	1:142:A:ALA:H	15	0.15
(1,1601)	1:141:A:GLY:H	1:142:A:ALA:H	18	0.15
(1,1578)	1:137:A:TYR:HB3	1:138:A:PHE:HB2	5	0.15
(1,1578)	1:137:A:TYR:HB3	1:138:A:PHE:HB2	19	0.15
(1,1478)	1:105:A:ASP:HB3	1:111:A:LEU:HD11	3	0.15
(1,1478)	1:105:A:ASP:HB3	1:111:A:LEU:HD12	3	0.15
(1,1478)	1:105:A:ASP:HB3	1:111:A:LEU:HD13	3	0.15
(1,1468)	1:104:A:LEU:HD21	1:135:A:ALA:HA	20	0.15
(1,1468)	1:104:A:LEU:HD22	1:135:A:ALA:HA	20	0.15
(1,1468)	1:104:A:LEU:HD23	1:135:A:ALA:HA	20	0.15
(1,1426)	1:98:A:ASN:HD21	1:142:A:ALA:HB1	1	0.15
(1,1426)	1:98:A:ASN:HD21	1:142:A:ALA:HB2	1	0.15
(1,1426)	1:98:A:ASN:HD21	1:142:A:ALA:HB3	1	0.15
(1,1418)	1:96:A:ALA:HB1	1:144:A:THR:H	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1418)	1:96:A:ALA:HB2	1:144:A:THR:H	13	0.15
(1,1418)	1:96:A:ALA:HB3	1:144:A:THR:H	13	0.15
(1,1407)	1:89:A:GLN:HB2	1:90:A:SER:H	17	0.15
(1,1402)	1:86:A:LEU:HD11	1:152:A:ALA:HB1	8	0.15
(1,1402)	1:86:A:LEU:HD11	1:152:A:ALA:HB2	8	0.15
(1,1402)	1:86:A:LEU:HD11	1:152:A:ALA:HB3	8	0.15
(1,1402)	1:86:A:LEU:HD12	1:152:A:ALA:HB1	8	0.15
(1,1402)	1:86:A:LEU:HD12	1:152:A:ALA:HB2	8	0.15
(1,1402)	1:86:A:LEU:HD12	1:152:A:ALA:HB3	8	0.15
(1,1402)	1:86:A:LEU:HD13	1:152:A:ALA:HB1	8	0.15
(1,1402)	1:86:A:LEU:HD13	1:152:A:ALA:HB2	8	0.15
(1,1402)	1:86:A:LEU:HD13	1:152:A:ALA:HB3	8	0.15
(1,1382)	1:76:A:THR:H	1:86:A:LEU:HA	15	0.15
(1,1378)	1:74:A:LEU:HG	1:153:A:THR:H	20	0.15
(1,1311)	1:44:A:GLN:HA	1:141:A:GLY:HA3	19	0.15
(1,1296)	1:39:A:THR:HA	1:144:A:THR:HA	8	0.15
(1,1207)	1:11:A:HIS:HD2	1:12:A:PHE:H	8	0.15
(1,1201)	1:113:A:LEU:H	1:114:A:ASP:H	7	0.15
(1,1171)	1:97:A:THR:HB	1:98:A:ASN:H	4	0.15
(1,1166)	1:91:A:SER:HA	1:92:A:ALA:HB1	7	0.15
(1,1166)	1:91:A:SER:HA	1:92:A:ALA:HB2	7	0.15
(1,1166)	1:91:A:SER:HA	1:92:A:ALA:HB3	7	0.15
(1,1141)	1:72:A:ALA:HB1	1:73:A:PHE:HD1	5	0.15
(1,1141)	1:72:A:ALA:HB1	1:73:A:PHE:HD2	5	0.15
(1,1141)	1:72:A:ALA:HB2	1:73:A:PHE:HD1	5	0.15
(1,1141)	1:72:A:ALA:HB2	1:73:A:PHE:HD2	5	0.15
(1,1141)	1:72:A:ALA:HB3	1:73:A:PHE:HD1	5	0.15
(1,1141)	1:72:A:ALA:HB3	1:73:A:PHE:HD2	5	0.15
(1,1121)	1:63:A:THR:H	1:126:A:ASN:HA	8	0.15
(1,1099)	1:48:A:THR:HG21	1:136:A:ARG:HG2	18	0.15
(1,1099)	1:48:A:THR:HG21	1:136:A:ARG:HG3	18	0.15
(1,1099)	1:48:A:THR:HG22	1:136:A:ARG:HG2	18	0.15
(1,1099)	1:48:A:THR:HG22	1:136:A:ARG:HG3	18	0.15
(1,1099)	1:48:A:THR:HG23	1:136:A:ARG:HG2	18	0.15
(1,1099)	1:48:A:THR:HG23	1:136:A:ARG:HG3	18	0.15
(1,1058)	1:12:A:PHE:HA	1:12:A:PHE:HE1	5	0.15
(1,1058)	1:12:A:PHE:HA	1:12:A:PHE:HE2	5	0.15
(1,981)	1:52:A:VAL:HA	1:54:A:PHE:H	19	0.15
(1,963)	1:32:A:VAL:HG21	1:54:A:PHE:HA	9	0.15
(1,963)	1:32:A:VAL:HG22	1:54:A:PHE:HA	9	0.15
(1,963)	1:32:A:VAL:HG23	1:54:A:PHE:HA	9	0.15
(1,878)	1:67:A:SER:H	1:159:A:GLN:H	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,847)	1:29:A:ASP:H	1:29:A:ASP:HB3	2	0.15
(1,800)	1:10:A:VAL:HG21	1:103:A:ILE:HD11	15	0.15
(1,800)	1:10:A:VAL:HG21	1:103:A:ILE:HD12	15	0.15
(1,800)	1:10:A:VAL:HG21	1:103:A:ILE:HD13	15	0.15
(1,800)	1:10:A:VAL:HG22	1:103:A:ILE:HD11	15	0.15
(1,800)	1:10:A:VAL:HG22	1:103:A:ILE:HD12	15	0.15
(1,800)	1:10:A:VAL:HG22	1:103:A:ILE:HD13	15	0.15
(1,800)	1:10:A:VAL:HG23	1:103:A:ILE:HD11	15	0.15
(1,800)	1:10:A:VAL:HG23	1:103:A:ILE:HD12	15	0.15
(1,800)	1:10:A:VAL:HG23	1:103:A:ILE:HD13	15	0.15
(1,775)	1:8:A:GLY:H	1:34:A:LEU:HA	6	0.15
(1,775)	1:8:A:GLY:H	1:34:A:LEU:HA	10	0.15
(1,774)	1:8:A:GLY:H	1:148:A:ALA:H	11	0.15
(1,762)	1:70:A:ALA:HB1	1:121:A:GLU:HG3	2	0.15
(1,762)	1:70:A:ALA:HB2	1:121:A:GLU:HG3	2	0.15
(1,762)	1:70:A:ALA:HB3	1:121:A:GLU:HG3	2	0.15
(1,750)	1:55:A:ASN:HA	1:131:A:ILE:H	20	0.15
(1,748)	1:54:A:PHE:HD1	1:134:A:GLN:H	9	0.15
(1,748)	1:54:A:PHE:HD2	1:134:A:GLN:H	9	0.15
(1,721)	1:17:A:VAL:HG21	1:18:A:ASN:H	13	0.15
(1,721)	1:17:A:VAL:HG22	1:18:A:ASN:H	13	0.15
(1,721)	1:17:A:VAL:HG23	1:18:A:ASN:H	13	0.15
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG11	17	0.15
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG12	17	0.15
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG13	17	0.15
(1,691)	1:109:A:ALA:H	1:110:A:ALA:HB1	13	0.15
(1,691)	1:109:A:ALA:H	1:110:A:ALA:HB2	13	0.15
(1,691)	1:109:A:ALA:H	1:110:A:ALA:HB3	13	0.15
(1,691)	1:109:A:ALA:H	1:110:A:ALA:HB1	17	0.15
(1,691)	1:109:A:ALA:H	1:110:A:ALA:HB2	17	0.15
(1,691)	1:109:A:ALA:H	1:110:A:ALA:HB3	17	0.15
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB1	16	0.15
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB2	16	0.15
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB3	16	0.15
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB1	17	0.15
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB2	17	0.15
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB3	17	0.15
(1,632)	1:127:A:GLY:HA3	1:128:A:THR:HB	14	0.15
(1,620)	1:103:A:ILE:HG21	1:152:A:ALA:HB1	17	0.15
(1,620)	1:103:A:ILE:HG21	1:152:A:ALA:HB2	17	0.15
(1,620)	1:103:A:ILE:HG21	1:152:A:ALA:HB3	17	0.15
(1,620)	1:103:A:ILE:HG22	1:152:A:ALA:HB1	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,620)	1:103:A:ILE:HG22	1:152:A:ALA:HB2	17	0.15
(1,620)	1:103:A:ILE:HG22	1:152:A:ALA:HB3	17	0.15
(1,620)	1:103:A:ILE:HG23	1:152:A:ALA:HB1	17	0.15
(1,620)	1:103:A:ILE:HG23	1:152:A:ALA:HB2	17	0.15
(1,620)	1:103:A:ILE:HG23	1:152:A:ALA:HB3	17	0.15
(1,615)	1:96:A:ALA:HA	1:147:A:ALA:H	5	0.15
(1,557)	1:105:A:ASP:H	1:110:A:ALA:H	7	0.15
(1,553)	1:8:A:GLY:H	1:37:A:VAL:H	4	0.15
(1,545)	1:70:A:ALA:HA	1:157:A:GLN:HB3	8	0.15
(1,499)	1:45:A:GLU:H	1:141:A:GLY:HA3	4	0.15
(1,499)	1:45:A:GLU:H	1:141:A:GLY:HA3	6	0.15
(1,499)	1:45:A:GLU:H	1:141:A:GLY:HA3	12	0.15
(1,499)	1:45:A:GLU:H	1:141:A:GLY:HA3	20	0.15
(1,493)	1:18:A:ASN:H	1:18:A:ASN:HB2	10	0.15
(1,493)	1:18:A:ASN:H	1:18:A:ASN:HB2	18	0.15
(1,488)	1:147:A:ALA:HB1	1:148:A:ALA:H	14	0.15
(1,488)	1:147:A:ALA:HB2	1:148:A:ALA:H	14	0.15
(1,488)	1:147:A:ALA:HB3	1:148:A:ALA:H	14	0.15
(1,469)	1:85:A:VAL:H	1:113:A:LEU:HD11	9	0.15
(1,469)	1:85:A:VAL:H	1:113:A:LEU:HD12	9	0.15
(1,469)	1:85:A:VAL:H	1:113:A:LEU:HD13	9	0.15
(1,469)	1:85:A:VAL:H	1:113:A:LEU:HD21	9	0.15
(1,469)	1:85:A:VAL:H	1:113:A:LEU:HD22	9	0.15
(1,469)	1:85:A:VAL:H	1:113:A:LEU:HD23	9	0.15
(1,434)	1:111:A:LEU:HB3	1:119:A:SER:H	9	0.15
(1,425)	1:74:A:LEU:HD21	1:153:A:THR:HB	8	0.15
(1,425)	1:74:A:LEU:HD22	1:153:A:THR:HB	8	0.15
(1,425)	1:74:A:LEU:HD23	1:153:A:THR:HB	8	0.15
(1,389)	1:20:A:ALA:HB1	1:66:A:ALA:H	17	0.15
(1,389)	1:20:A:ALA:HB2	1:66:A:ALA:H	17	0.15
(1,389)	1:20:A:ALA:HB3	1:66:A:ALA:H	17	0.15
(1,354)	1:99:A:VAL:HG21	1:137:A:TYR:HD1	6	0.15
(1,354)	1:99:A:VAL:HG21	1:137:A:TYR:HD2	6	0.15
(1,354)	1:99:A:VAL:HG22	1:137:A:TYR:HD1	6	0.15
(1,354)	1:99:A:VAL:HG22	1:137:A:TYR:HD2	6	0.15
(1,354)	1:99:A:VAL:HG23	1:137:A:TYR:HD1	6	0.15
(1,354)	1:99:A:VAL:HG23	1:137:A:TYR:HD2	6	0.15
(1,354)	1:99:A:VAL:HG21	1:137:A:TYR:HD1	11	0.15
(1,354)	1:99:A:VAL:HG21	1:137:A:TYR:HD2	11	0.15
(1,354)	1:99:A:VAL:HG22	1:137:A:TYR:HD1	11	0.15
(1,354)	1:99:A:VAL:HG22	1:137:A:TYR:HD2	11	0.15
(1,354)	1:99:A:VAL:HG23	1:137:A:TYR:HD1	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,354)	1:99:A:VAL:HG23	1:137:A:TYR:HD2	11	0.15
(1,340)	1:63:A:THR:H	1:126:A:ASN:H	18	0.15
(1,334)	1:16:A:VAL:HG11	1:23:A:VAL:HB	11	0.15
(1,334)	1:16:A:VAL:HG12	1:23:A:VAL:HB	11	0.15
(1,334)	1:16:A:VAL:HG13	1:23:A:VAL:HB	11	0.15
(1,334)	1:16:A:VAL:HG21	1:23:A:VAL:HB	11	0.15
(1,334)	1:16:A:VAL:HG22	1:23:A:VAL:HB	11	0.15
(1,334)	1:16:A:VAL:HG23	1:23:A:VAL:HB	11	0.15
(1,331)	1:14:A:GLY:HA2	1:15:A:GLU:H	6	0.15
(1,299)	1:70:A:ALA:HB1	1:157:A:GLN:HB3	6	0.15
(1,299)	1:70:A:ALA:HB2	1:157:A:GLN:HB3	6	0.15
(1,299)	1:70:A:ALA:HB3	1:157:A:GLN:HB3	6	0.15
(1,295)	1:39:A:THR:HA	1:42:A:LEU:HG	4	0.15
(1,252)	1:22:A:ALA:H	1:58:A:LEU:HD11	19	0.15
(1,252)	1:22:A:ALA:H	1:58:A:LEU:HD12	19	0.15
(1,252)	1:22:A:ALA:H	1:58:A:LEU:HD13	19	0.15
(1,250)	1:158:A:TYR:HA	1:158:A:TYR:HE1	1	0.15
(1,250)	1:158:A:TYR:HA	1:158:A:TYR:HE2	1	0.15
(1,250)	1:158:A:TYR:HA	1:158:A:TYR:HE1	3	0.15
(1,250)	1:158:A:TYR:HA	1:158:A:TYR:HE2	3	0.15
(1,250)	1:158:A:TYR:HA	1:158:A:TYR:HE1	6	0.15
(1,250)	1:158:A:TYR:HA	1:158:A:TYR:HE2	6	0.15
(1,250)	1:158:A:TYR:HA	1:158:A:TYR:HE1	7	0.15
(1,250)	1:158:A:TYR:HA	1:158:A:TYR:HE2	7	0.15
(1,250)	1:158:A:TYR:HA	1:158:A:TYR:HE1	11	0.15
(1,250)	1:158:A:TYR:HA	1:158:A:TYR:HE2	11	0.15
(1,250)	1:158:A:TYR:HA	1:158:A:TYR:HE1	20	0.15
(1,250)	1:158:A:TYR:HA	1:158:A:TYR:HE2	20	0.15
(1,228)	1:18:A:ASN:HA	1:158:A:TYR:HE1	19	0.15
(1,228)	1:18:A:ASN:HA	1:158:A:TYR:HE2	19	0.15
(1,222)	1:97:A:THR:HG21	1:98:A:ASN:HD21	11	0.15
(1,222)	1:97:A:THR:HG22	1:98:A:ASN:HD21	11	0.15
(1,222)	1:97:A:THR:HG23	1:98:A:ASN:HD21	11	0.15
(1,182)	1:86:A:LEU:HB3	1:101:A:VAL:HG21	13	0.15
(1,182)	1:86:A:LEU:HB3	1:101:A:VAL:HG22	13	0.15
(1,182)	1:86:A:LEU:HB3	1:101:A:VAL:HG23	13	0.15
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG21	15	0.15
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG22	15	0.15
(1,179)	1:71:A:VAL:HB	1:131:A:ILE:HG23	15	0.15
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG21	1	0.15
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG22	1	0.15
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG23	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG21	10	0.15
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG22	10	0.15
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG23	10	0.15
(1,151)	1:106:A:ARG:HA	1:133:A:PHE:HE1	7	0.15
(1,151)	1:106:A:ARG:HA	1:133:A:PHE:HE2	7	0.15
(1,151)	1:106:A:ARG:HA	1:133:A:PHE:HE1	10	0.15
(1,151)	1:106:A:ARG:HA	1:133:A:PHE:HE2	10	0.15
(1,112)	1:68:A:LYS:H	1:158:A:TYR:HD1	2	0.15
(1,112)	1:68:A:LYS:H	1:158:A:TYR:HD2	2	0.15
(1,85)	1:100:A:GLY:H	1:138:A:PHE:HD1	19	0.15
(1,85)	1:100:A:GLY:H	1:138:A:PHE:HD2	19	0.15
(1,83)	1:78:A:ILE:HD11	1:139:A:ALA:HA	20	0.15
(1,83)	1:78:A:ILE:HD12	1:139:A:ALA:HA	20	0.15
(1,83)	1:78:A:ILE:HD13	1:139:A:ALA:HA	20	0.15
(1,70)	1:103:A:ILE:H	1:110:A:ALA:HA	6	0.15
(1,63)	1:20:A:ALA:HB1	1:63:A:THR:H	12	0.15
(1,63)	1:20:A:ALA:HB2	1:63:A:THR:H	12	0.15
(1,63)	1:20:A:ALA:HB3	1:63:A:THR:H	12	0.15
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG21	19	0.15
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG22	19	0.15
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG23	19	0.15
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG21	19	0.15
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG22	19	0.15
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG23	19	0.15
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG21	19	0.15
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG22	19	0.15
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG23	19	0.15
(1,29)	1:45:A:GLU:HA	1:138:A:PHE:HD1	5	0.15
(1,29)	1:45:A:GLU:HA	1:138:A:PHE:HD2	5	0.15
(1,17)	1:43:A:ALA:HB1	1:44:A:GLN:HA	18	0.15
(1,17)	1:43:A:ALA:HB2	1:44:A:GLN:HA	18	0.15
(1,17)	1:43:A:ALA:HB3	1:44:A:GLN:HA	18	0.15
(1,6)	1:4:A:THR:H	1:39:A:THR:HG21	16	0.15
(1,6)	1:4:A:THR:H	1:39:A:THR:HG22	16	0.15
(1,6)	1:4:A:THR:H	1:39:A:THR:HG23	16	0.15
(1,3468)	1:118:A:PHE:HD1	1:157:A:GLN:HG2	17	0.14
(1,3468)	1:118:A:PHE:HD1	1:157:A:GLN:HG3	17	0.14
(1,3468)	1:118:A:PHE:HD2	1:157:A:GLN:HG2	17	0.14
(1,3468)	1:118:A:PHE:HD2	1:157:A:GLN:HG3	17	0.14
(1,3430)	1:104:A:LEU:HD11	1:136:A:ARG:H	2	0.14
(1,3430)	1:104:A:LEU:HD12	1:136:A:ARG:H	2	0.14
(1,3430)	1:104:A:LEU:HD13	1:136:A:ARG:H	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3430)	1:104:A:LEU:HD21	1:136:A:ARG:H	2	0.14
(1,3430)	1:104:A:LEU:HD22	1:136:A:ARG:H	2	0.14
(1,3430)	1:104:A:LEU:HD23	1:136:A:ARG:H	2	0.14
(1,3430)	1:104:A:LEU:HD11	1:136:A:ARG:H	10	0.14
(1,3430)	1:104:A:LEU:HD12	1:136:A:ARG:H	10	0.14
(1,3430)	1:104:A:LEU:HD13	1:136:A:ARG:H	10	0.14
(1,3430)	1:104:A:LEU:HD21	1:136:A:ARG:H	10	0.14
(1,3430)	1:104:A:LEU:HD22	1:136:A:ARG:H	10	0.14
(1,3430)	1:104:A:LEU:HD23	1:136:A:ARG:H	10	0.14
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB1	5	0.14
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB2	5	0.14
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB3	5	0.14
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB1	5	0.14
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB2	5	0.14
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB3	5	0.14
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB1	5	0.14
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB2	5	0.14
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB3	5	0.14
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB1	5	0.14
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB2	5	0.14
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB3	5	0.14
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB1	5	0.14
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB2	5	0.14
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB3	5	0.14
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB1	5	0.14
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB2	5	0.14
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB3	5	0.14
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB1	12	0.14
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB2	12	0.14
(1,3345)	1:88:A:LEU:HD11	1:96:A:ALA:HB3	12	0.14
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB1	12	0.14
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB2	12	0.14
(1,3345)	1:88:A:LEU:HD12	1:96:A:ALA:HB3	12	0.14
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB1	12	0.14
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB2	12	0.14
(1,3345)	1:88:A:LEU:HD13	1:96:A:ALA:HB3	12	0.14
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB1	12	0.14
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB2	12	0.14
(1,3345)	1:88:A:LEU:HD21	1:96:A:ALA:HB3	12	0.14
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB1	12	0.14
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB2	12	0.14
(1,3345)	1:88:A:LEU:HD22	1:96:A:ALA:HB3	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB1	12	0.14
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB2	12	0.14
(1,3345)	1:88:A:LEU:HD23	1:96:A:ALA:HB3	12	0.14
(1,3176)	1:58:A:LEU:HD11	1:131:A:ILE:HG13	8	0.14
(1,3176)	1:58:A:LEU:HD12	1:131:A:ILE:HG13	8	0.14
(1,3176)	1:58:A:LEU:HD13	1:131:A:ILE:HG13	8	0.14
(1,3176)	1:58:A:LEU:HD21	1:131:A:ILE:HG13	8	0.14
(1,3176)	1:58:A:LEU:HD22	1:131:A:ILE:HG13	8	0.14
(1,3176)	1:58:A:LEU:HD23	1:131:A:ILE:HG13	8	0.14
(1,3140)	1:54:A:PHE:HA	1:55:A:ASN:HD21	17	0.14
(1,3140)	1:54:A:PHE:HA	1:55:A:ASN:HD22	17	0.14
(1,3081)	1:43:A:ALA:H	1:44:A:GLN:HE21	6	0.14
(1,3081)	1:43:A:ALA:H	1:44:A:GLN:HE22	6	0.14
(1,3081)	1:43:A:ALA:H	1:44:A:GLN:HE21	11	0.14
(1,3081)	1:43:A:ALA:H	1:44:A:GLN:HE22	11	0.14
(1,3022)	1:34:A:LEU:HD11	1:137:A:TYR:HE1	2	0.14
(1,3022)	1:34:A:LEU:HD11	1:137:A:TYR:HE2	2	0.14
(1,3022)	1:34:A:LEU:HD12	1:137:A:TYR:HE1	2	0.14
(1,3022)	1:34:A:LEU:HD12	1:137:A:TYR:HE2	2	0.14
(1,3022)	1:34:A:LEU:HD13	1:137:A:TYR:HE1	2	0.14
(1,3022)	1:34:A:LEU:HD13	1:137:A:TYR:HE2	2	0.14
(1,3022)	1:34:A:LEU:HD21	1:137:A:TYR:HE1	2	0.14
(1,3022)	1:34:A:LEU:HD21	1:137:A:TYR:HE2	2	0.14
(1,3022)	1:34:A:LEU:HD22	1:137:A:TYR:HE1	2	0.14
(1,3022)	1:34:A:LEU:HD22	1:137:A:TYR:HE2	2	0.14
(1,3022)	1:34:A:LEU:HD23	1:137:A:TYR:HE1	2	0.14
(1,3022)	1:34:A:LEU:HD23	1:137:A:TYR:HE2	2	0.14
(1,3022)	1:34:A:LEU:HD11	1:137:A:TYR:HE1	6	0.14
(1,3022)	1:34:A:LEU:HD11	1:137:A:TYR:HE2	6	0.14
(1,3022)	1:34:A:LEU:HD12	1:137:A:TYR:HE1	6	0.14
(1,3022)	1:34:A:LEU:HD12	1:137:A:TYR:HE2	6	0.14
(1,3022)	1:34:A:LEU:HD13	1:137:A:TYR:HE1	6	0.14
(1,3022)	1:34:A:LEU:HD13	1:137:A:TYR:HE2	6	0.14
(1,3022)	1:34:A:LEU:HD21	1:137:A:TYR:HE1	6	0.14
(1,3022)	1:34:A:LEU:HD21	1:137:A:TYR:HE2	6	0.14
(1,3022)	1:34:A:LEU:HD22	1:137:A:TYR:HE1	6	0.14
(1,3022)	1:34:A:LEU:HD22	1:137:A:TYR:HE2	6	0.14
(1,3022)	1:34:A:LEU:HD23	1:137:A:TYR:HE1	6	0.14
(1,3022)	1:34:A:LEU:HD23	1:137:A:TYR:HE2	6	0.14
(1,3021)	1:34:A:LEU:HD11	1:137:A:TYR:HD1	3	0.14
(1,3021)	1:34:A:LEU:HD11	1:137:A:TYR:HD2	3	0.14
(1,3021)	1:34:A:LEU:HD12	1:137:A:TYR:HD1	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3021)	1:34:A:LEU:HD12	1:137:A:TYR:HD2	3	0.14
(1,3021)	1:34:A:LEU:HD13	1:137:A:TYR:HD1	3	0.14
(1,3021)	1:34:A:LEU:HD13	1:137:A:TYR:HD2	3	0.14
(1,3021)	1:34:A:LEU:HD21	1:137:A:TYR:HD1	3	0.14
(1,3021)	1:34:A:LEU:HD21	1:137:A:TYR:HD2	3	0.14
(1,3021)	1:34:A:LEU:HD22	1:137:A:TYR:HD1	3	0.14
(1,3021)	1:34:A:LEU:HD22	1:137:A:TYR:HD2	3	0.14
(1,3021)	1:34:A:LEU:HD23	1:137:A:TYR:HD1	3	0.14
(1,3021)	1:34:A:LEU:HD23	1:137:A:TYR:HD2	3	0.14
(1,2992)	1:30:A:GLN:HB2	1:31:A:THR:H	17	0.14
(1,2992)	1:30:A:GLN:HB3	1:31:A:THR:H	17	0.14
(1,2982)	1:27:A:SER:HB2	1:56:A:ILE:HD11	18	0.14
(1,2982)	1:27:A:SER:HB2	1:56:A:ILE:HD12	18	0.14
(1,2982)	1:27:A:SER:HB2	1:56:A:ILE:HD13	18	0.14
(1,2982)	1:27:A:SER:HB3	1:56:A:ILE:HD11	18	0.14
(1,2982)	1:27:A:SER:HB3	1:56:A:ILE:HD12	18	0.14
(1,2982)	1:27:A:SER:HB3	1:56:A:ILE:HD13	18	0.14
(1,2916)	1:18:A:ASN:H	1:18:A:ASN:HB2	2	0.14
(1,2916)	1:18:A:ASN:H	1:18:A:ASN:HB3	2	0.14
(1,2916)	1:18:A:ASN:H	1:18:A:ASN:HB2	18	0.14
(1,2916)	1:18:A:ASN:H	1:18:A:ASN:HB3	18	0.14
(1,2902)	1:16:A:VAL:HG11	1:18:A:ASN:H	13	0.14
(1,2902)	1:16:A:VAL:HG12	1:18:A:ASN:H	13	0.14
(1,2902)	1:16:A:VAL:HG13	1:18:A:ASN:H	13	0.14
(1,2902)	1:16:A:VAL:HG21	1:18:A:ASN:H	13	0.14
(1,2902)	1:16:A:VAL:HG22	1:18:A:ASN:H	13	0.14
(1,2902)	1:16:A:VAL:HG23	1:18:A:ASN:H	13	0.14
(1,2883)	1:14:A:GLY:HA2	1:28:A:VAL:HG11	4	0.14
(1,2883)	1:14:A:GLY:HA2	1:28:A:VAL:HG12	4	0.14
(1,2883)	1:14:A:GLY:HA2	1:28:A:VAL:HG13	4	0.14
(1,2883)	1:14:A:GLY:HA2	1:28:A:VAL:HG21	4	0.14
(1,2883)	1:14:A:GLY:HA2	1:28:A:VAL:HG22	4	0.14
(1,2883)	1:14:A:GLY:HA2	1:28:A:VAL:HG23	4	0.14
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG11	6	0.14
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG12	6	0.14
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG13	6	0.14
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG21	6	0.14
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG22	6	0.14
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG23	6	0.14
(1,2853)	1:10:A:VAL:HG11	1:32:A:VAL:HA	4	0.14
(1,2853)	1:10:A:VAL:HG12	1:32:A:VAL:HA	4	0.14
(1,2853)	1:10:A:VAL:HG13	1:32:A:VAL:HA	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2853)	1:10:A:VAL:HG21	1:32:A:VAL:HA	4	0.14
(1,2853)	1:10:A:VAL:HG22	1:32:A:VAL:HA	4	0.14
(1,2853)	1:10:A:VAL:HG23	1:32:A:VAL:HA	4	0.14
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG11	8	0.14
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG12	8	0.14
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG13	8	0.14
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG21	8	0.14
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG22	8	0.14
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG23	8	0.14
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD11	2	0.14
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD12	2	0.14
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD13	2	0.14
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD21	2	0.14
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD22	2	0.14
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD23	2	0.14
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD11	2	0.14
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD12	2	0.14
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD13	2	0.14
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD21	2	0.14
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD22	2	0.14
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD23	2	0.14
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD11	2	0.14
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD12	2	0.14
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD13	2	0.14
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD21	2	0.14
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD22	2	0.14
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD23	2	0.14
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD11	2	0.14
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD12	2	0.14
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD13	2	0.14
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD21	2	0.14
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD22	2	0.14
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD23	2	0.14
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD11	2	0.14
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD12	2	0.14
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD13	2	0.14
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD21	2	0.14
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD22	2	0.14
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD23	2	0.14
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD11	2	0.14
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD12	2	0.14
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD13	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD21	2	0.14
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD22	2	0.14
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD23	2	0.14
(1,2792)	1:9:A:THR:HG21	1:32:A:VAL:H	18	0.14
(1,2792)	1:9:A:THR:HG22	1:32:A:VAL:H	18	0.14
(1,2792)	1:9:A:THR:HG23	1:32:A:VAL:H	18	0.14
(1,2790)	1:9:A:THR:HA	1:34:A:LEU:HG	5	0.14
(1,2768)	1:98:A:ASN:HD22	1:143:A:ALA:HA	7	0.14
(1,2766)	1:98:A:ASN:HD22	1:142:A:ALA:H	18	0.14
(1,2717)	1:88:A:LEU:HD21	1:89:A:GLN:H	12	0.14
(1,2717)	1:88:A:LEU:HD22	1:89:A:GLN:H	12	0.14
(1,2717)	1:88:A:LEU:HD23	1:89:A:GLN:H	12	0.14
(1,2717)	1:88:A:LEU:HD21	1:89:A:GLN:H	13	0.14
(1,2717)	1:88:A:LEU:HD22	1:89:A:GLN:H	13	0.14
(1,2717)	1:88:A:LEU:HD23	1:89:A:GLN:H	13	0.14
(1,2717)	1:88:A:LEU:HD21	1:89:A:GLN:H	14	0.14
(1,2717)	1:88:A:LEU:HD22	1:89:A:GLN:H	14	0.14
(1,2717)	1:88:A:LEU:HD23	1:89:A:GLN:H	14	0.14
(1,2706)	1:87:A:ALA:H	1:101:A:VAL:H	9	0.14
(1,2644)	1:78:A:ILE:HG21	1:99:A:VAL:H	14	0.14
(1,2644)	1:78:A:ILE:HG22	1:99:A:VAL:H	14	0.14
(1,2644)	1:78:A:ILE:HG23	1:99:A:VAL:H	14	0.14
(1,2601)	1:74:A:LEU:HB2	1:153:A:THR:H	1	0.14
(1,2578)	1:72:A:ALA:H	1:157:A:GLN:H	5	0.14
(1,2532)	1:66:A:ALA:HB1	1:68:A:LYS:H	20	0.14
(1,2532)	1:66:A:ALA:HB2	1:68:A:LYS:H	20	0.14
(1,2532)	1:66:A:ALA:HB3	1:68:A:LYS:H	20	0.14
(1,2526)	1:66:A:ALA:HA	1:68:A:LYS:H	8	0.14
(1,2452)	1:53:A:GLY:H	1:134:A:GLN:HA	12	0.14
(1,2439)	1:51:A:ALA:HA	1:135:A:ALA:H	10	0.14
(1,2418)	1:48:A:THR:HA	1:139:A:ALA:HB1	20	0.14
(1,2418)	1:48:A:THR:HA	1:139:A:ALA:HB2	20	0.14
(1,2418)	1:48:A:THR:HA	1:139:A:ALA:HB3	20	0.14
(1,2408)	1:46:A:GLY:H	1:140:A:THR:HG21	17	0.14
(1,2408)	1:46:A:GLY:H	1:140:A:THR:HG22	17	0.14
(1,2408)	1:46:A:GLY:H	1:140:A:THR:HG23	17	0.14
(1,2322)	1:33:A:GLN:HG2	1:35:A:GLY:H	14	0.14
(1,2322)	1:33:A:GLN:HG3	1:35:A:GLY:H	14	0.14
(1,2257)	1:22:A:ALA:H	1:59:A:ASN:H	17	0.14
(1,2251)	1:21:A:CYS:HB2	1:59:A:ASN:H	8	0.14
(1,2202)	1:155:A:LYS:H	1:155:A:LYS:HG3	15	0.14
(1,2202)	1:155:A:LYS:H	1:155:A:LYS:HG2	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2159)	1:139:A:ALA:H	1:143:A:ALA:HB1	12	0.14
(1,2159)	1:139:A:ALA:H	1:143:A:ALA:HB2	12	0.14
(1,2159)	1:139:A:ALA:H	1:143:A:ALA:HB3	12	0.14
(1,2159)	1:139:A:ALA:H	1:143:A:ALA:HB1	13	0.14
(1,2159)	1:139:A:ALA:H	1:143:A:ALA:HB2	13	0.14
(1,2159)	1:139:A:ALA:H	1:143:A:ALA:HB3	13	0.14
(1,2159)	1:139:A:ALA:H	1:143:A:ALA:HB1	19	0.14
(1,2159)	1:139:A:ALA:H	1:143:A:ALA:HB2	19	0.14
(1,2159)	1:139:A:ALA:H	1:143:A:ALA:HB3	19	0.14
(1,2124)	1:130:A:THR:HB	1:131:A:ILE:H	20	0.14
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD11	11	0.14
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD12	11	0.14
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD13	11	0.14
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD21	11	0.14
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD22	11	0.14
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD23	11	0.14
(1,1968)	1:99:A:VAL:HG11	1:137:A:TYR:HD1	6	0.14
(1,1968)	1:99:A:VAL:HG11	1:137:A:TYR:HD2	6	0.14
(1,1968)	1:99:A:VAL:HG12	1:137:A:TYR:HD1	6	0.14
(1,1968)	1:99:A:VAL:HG12	1:137:A:TYR:HD2	6	0.14
(1,1968)	1:99:A:VAL:HG13	1:137:A:TYR:HD1	6	0.14
(1,1968)	1:99:A:VAL:HG13	1:137:A:TYR:HD2	6	0.14
(1,1968)	1:99:A:VAL:HG11	1:137:A:TYR:HD1	16	0.14
(1,1968)	1:99:A:VAL:HG11	1:137:A:TYR:HD2	16	0.14
(1,1968)	1:99:A:VAL:HG12	1:137:A:TYR:HD1	16	0.14
(1,1968)	1:99:A:VAL:HG12	1:137:A:TYR:HD2	16	0.14
(1,1968)	1:99:A:VAL:HG13	1:137:A:TYR:HD1	16	0.14
(1,1968)	1:99:A:VAL:HG13	1:137:A:TYR:HD2	16	0.14
(1,1968)	1:99:A:VAL:HG11	1:137:A:TYR:HD1	20	0.14
(1,1968)	1:99:A:VAL:HG11	1:137:A:TYR:HD2	20	0.14
(1,1968)	1:99:A:VAL:HG12	1:137:A:TYR:HD1	20	0.14
(1,1968)	1:99:A:VAL:HG12	1:137:A:TYR:HD2	20	0.14
(1,1968)	1:99:A:VAL:HG13	1:137:A:TYR:HD1	20	0.14
(1,1968)	1:99:A:VAL:HG13	1:137:A:TYR:HD2	20	0.14
(1,1964)	1:99:A:VAL:H	1:99:A:VAL:HB	4	0.14
(1,1964)	1:99:A:VAL:H	1:99:A:VAL:HB	11	0.14
(1,1964)	1:99:A:VAL:H	1:99:A:VAL:HB	15	0.14
(1,1964)	1:99:A:VAL:H	1:99:A:VAL:HB	18	0.14
(1,1948)	1:97:A:THR:H	1:148:A:ALA:HB1	18	0.14
(1,1948)	1:97:A:THR:H	1:148:A:ALA:HB2	18	0.14
(1,1948)	1:97:A:THR:H	1:148:A:ALA:HB3	18	0.14
(1,1945)	1:97:A:THR:H	1:143:A:ALA:HA	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1938)	1:95:A:SER:HA	1:148:A:ALA:HB1	2	0.14
(1,1938)	1:95:A:SER:HA	1:148:A:ALA:HB2	2	0.14
(1,1938)	1:95:A:SER:HA	1:148:A:ALA:HB3	2	0.14
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB1	4	0.14
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB2	4	0.14
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB3	4	0.14
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB1	4	0.14
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB2	4	0.14
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB3	4	0.14
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB1	4	0.14
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB2	4	0.14
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB3	4	0.14
(1,1896)	1:83:A:THR:H	1:83:A:THR:HG21	3	0.14
(1,1896)	1:83:A:THR:H	1:83:A:THR:HG22	3	0.14
(1,1896)	1:83:A:THR:H	1:83:A:THR:HG23	3	0.14
(1,1793)	1:63:A:THR:HB	1:65:A:VAL:H	1	0.14
(1,1793)	1:63:A:THR:HB	1:65:A:VAL:H	10	0.14
(1,1755)	1:52:A:VAL:H	1:136:A:ARG:H	5	0.14
(1,1737)	1:48:A:THR:HG21	1:49:A:SER:H	12	0.14
(1,1737)	1:48:A:THR:HG22	1:49:A:SER:H	12	0.14
(1,1737)	1:48:A:THR:HG23	1:49:A:SER:H	12	0.14
(1,1732)	1:48:A:THR:HB	1:136:A:ARG:HE	15	0.14
(1,1704)	1:41:A:SER:H	1:41:A:SER:HB3	5	0.14
(1,1704)	1:41:A:SER:H	1:41:A:SER:HB3	6	0.14
(1,1704)	1:41:A:SER:H	1:41:A:SER:HB3	7	0.14
(1,1673)	1:29:A:ASP:H	1:30:A:GLN:HG2	5	0.14
(1,1669)	1:28:A:VAL:HG11	1:29:A:ASP:HB3	7	0.14
(1,1669)	1:28:A:VAL:HG12	1:29:A:ASP:HB3	7	0.14
(1,1669)	1:28:A:VAL:HG13	1:29:A:ASP:HB3	7	0.14
(1,1669)	1:28:A:VAL:HG11	1:29:A:ASP:HB3	12	0.14
(1,1669)	1:28:A:VAL:HG12	1:29:A:ASP:HB3	12	0.14
(1,1669)	1:28:A:VAL:HG13	1:29:A:ASP:HB3	12	0.14
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB1	5	0.14
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB2	5	0.14
(1,1639)	1:18:A:ASN:HA	1:19:A:ALA:HB3	5	0.14
(1,1623)	1:154:A:PHE:HE1	1:156:A:VAL:H	4	0.14
(1,1623)	1:154:A:PHE:HE2	1:156:A:VAL:H	4	0.14
(1,1601)	1:141:A:GLY:H	1:142:A:ALA:H	16	0.14
(1,1578)	1:137:A:TYR:HB3	1:138:A:PHE:HB2	2	0.14
(1,1578)	1:137:A:TYR:HB3	1:138:A:PHE:HB2	7	0.14
(1,1440)	1:102:A:GLN:HB3	1:103:A:ILE:H	12	0.14
(1,1355)	1:6:A:ASN:HB3	1:7:A:GLY:H	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1349)	1:67:A:SER:HA	1:123:A:THR:HA	9	0.14
(1,1349)	1:67:A:SER:HA	1:123:A:THR:HA	17	0.14
(1,1309)	1:43:A:ALA:H	1:47:A:ALA:H	13	0.14
(1,1308)	1:43:A:ALA:H	1:139:A:ALA:HB1	18	0.14
(1,1308)	1:43:A:ALA:H	1:139:A:ALA:HB2	18	0.14
(1,1308)	1:43:A:ALA:H	1:139:A:ALA:HB3	18	0.14
(1,1166)	1:91:A:SER:HA	1:92:A:ALA:HB1	16	0.14
(1,1166)	1:91:A:SER:HA	1:92:A:ALA:HB2	16	0.14
(1,1166)	1:91:A:SER:HA	1:92:A:ALA:HB3	16	0.14
(1,1141)	1:72:A:ALA:HB1	1:73:A:PHE:HD1	8	0.14
(1,1141)	1:72:A:ALA:HB1	1:73:A:PHE:HD2	8	0.14
(1,1141)	1:72:A:ALA:HB2	1:73:A:PHE:HD1	8	0.14
(1,1141)	1:72:A:ALA:HB2	1:73:A:PHE:HD2	8	0.14
(1,1141)	1:72:A:ALA:HB3	1:73:A:PHE:HD1	8	0.14
(1,1141)	1:72:A:ALA:HB3	1:73:A:PHE:HD2	8	0.14
(1,1094)	1:45:A:GLU:H	1:142:A:ALA:H	17	0.14
(1,1003)	1:72:A:ALA:H	1:73:A:PHE:HD1	14	0.14
(1,1003)	1:72:A:ALA:H	1:73:A:PHE:HD2	14	0.14
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB1	13	0.14
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB2	13	0.14
(1,996)	1:65:A:VAL:HB	1:66:A:ALA:HB3	13	0.14
(1,981)	1:52:A:VAL:HA	1:54:A:PHE:H	10	0.14
(1,904)	1:88:A:LEU:HG	1:100:A:GLY:HA3	6	0.14
(1,904)	1:88:A:LEU:HG	1:100:A:GLY:HA3	15	0.14
(1,879)	1:69:A:ALA:H	1:121:A:GLU:HB3	10	0.14
(1,879)	1:69:A:ALA:H	1:121:A:GLU:HB3	12	0.14
(1,876)	1:64:A:ASN:H	1:65:A:VAL:HB	19	0.14
(1,792)	1:103:A:ILE:HD11	1:135:A:ALA:HA	19	0.14
(1,792)	1:103:A:ILE:HD12	1:135:A:ALA:HA	19	0.14
(1,792)	1:103:A:ILE:HD13	1:135:A:ALA:HA	19	0.14
(1,775)	1:8:A:GLY:H	1:34:A:LEU:HA	2	0.14
(1,770)	1:79:A:ASP:HB2	1:81:A:GLY:H	3	0.14
(1,770)	1:79:A:ASP:HB2	1:81:A:GLY:H	13	0.14
(1,737)	1:32:A:VAL:HG11	1:34:A:LEU:HA	2	0.14
(1,737)	1:32:A:VAL:HG12	1:34:A:LEU:HA	2	0.14
(1,737)	1:32:A:VAL:HG13	1:34:A:LEU:HA	2	0.14
(1,681)	1:90:A:SER:H	1:91:A:SER:H	4	0.14
(1,654)	1:38:A:ARG:HD2	1:40:A:ALA:HB1	11	0.14
(1,654)	1:38:A:ARG:HD2	1:40:A:ALA:HB2	11	0.14
(1,654)	1:38:A:ARG:HD2	1:40:A:ALA:HB3	11	0.14
(1,654)	1:38:A:ARG:HD3	1:40:A:ALA:HB1	11	0.14
(1,654)	1:38:A:ARG:HD3	1:40:A:ALA:HB2	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,654)	1:38:A:ARG:HD3	1:40:A:ALA:HB3	11	0.14
(1,648)	1:19:A:ALA:H	1:22:A:ALA:HA	7	0.14
(1,648)	1:19:A:ALA:H	1:22:A:ALA:HA	17	0.14
(1,632)	1:127:A:GLY:HA3	1:128:A:THR:HB	17	0.14
(1,610)	1:88:A:LEU:HA	1:149:A:ASN:HB2	15	0.14
(1,492)	1:17:A:VAL:HG21	1:19:A:ALA:H	2	0.14
(1,492)	1:17:A:VAL:HG22	1:19:A:ALA:H	2	0.14
(1,492)	1:17:A:VAL:HG23	1:19:A:ALA:H	2	0.14
(1,489)	1:14:A:GLY:HA2	1:153:A:THR:HA	1	0.14
(1,472)	1:93:A:ALA:HB1	1:95:A:SER:H	2	0.14
(1,472)	1:93:A:ALA:HB2	1:95:A:SER:H	2	0.14
(1,472)	1:93:A:ALA:HB3	1:95:A:SER:H	2	0.14
(1,441)	1:16:A:VAL:H	1:156:A:VAL:HG21	12	0.14
(1,441)	1:16:A:VAL:H	1:156:A:VAL:HG22	12	0.14
(1,441)	1:16:A:VAL:H	1:156:A:VAL:HG23	12	0.14
(1,434)	1:111:A:LEU:HB3	1:119:A:SER:H	18	0.14
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG21	4	0.14
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG22	4	0.14
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG23	4	0.14
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG21	4	0.14
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG22	4	0.14
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG23	4	0.14
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG21	4	0.14
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG22	4	0.14
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG23	4	0.14
(1,389)	1:20:A:ALA:HB1	1:66:A:ALA:H	9	0.14
(1,389)	1:20:A:ALA:HB2	1:66:A:ALA:H	9	0.14
(1,389)	1:20:A:ALA:HB3	1:66:A:ALA:H	9	0.14
(1,357)	1:10:A:VAL:HA	1:149:A:ASN:HB3	6	0.14
(1,351)	1:92:A:ALA:HA	1:95:A:SER:HB2	2	0.14
(1,351)	1:92:A:ALA:HA	1:95:A:SER:HB3	2	0.14
(1,326)	1:118:A:PHE:HB2	1:157:A:GLN:HB3	11	0.14
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB1	15	0.14
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB2	15	0.14
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB3	15	0.14
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD1	4	0.14
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD2	4	0.14
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD1	4	0.14
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD2	4	0.14
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD1	4	0.14
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD2	4	0.14
(1,296)	1:55:A:ASN:HA	1:131:A:ILE:HB	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,259)	1:101:A:VAL:HG11	1:138:A:PHE:H	3	0.14
(1,259)	1:101:A:VAL:HG12	1:138:A:PHE:H	3	0.14
(1,259)	1:101:A:VAL:HG13	1:138:A:PHE:H	3	0.14
(1,259)	1:101:A:VAL:HG11	1:138:A:PHE:H	8	0.14
(1,259)	1:101:A:VAL:HG12	1:138:A:PHE:H	8	0.14
(1,259)	1:101:A:VAL:HG13	1:138:A:PHE:H	8	0.14
(1,250)	1:158:A:TYR:HA	1:158:A:TYR:HE1	4	0.14
(1,250)	1:158:A:TYR:HA	1:158:A:TYR:HE2	4	0.14
(1,250)	1:158:A:TYR:HA	1:158:A:TYR:HE1	13	0.14
(1,250)	1:158:A:TYR:HA	1:158:A:TYR:HE2	13	0.14
(1,250)	1:158:A:TYR:HA	1:158:A:TYR:HE1	17	0.14
(1,250)	1:158:A:TYR:HA	1:158:A:TYR:HE2	17	0.14
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG21	9	0.14
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG22	9	0.14
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG23	9	0.14
(1,136)	1:72:A:ALA:HB1	1:117:A:THR:HG21	15	0.14
(1,136)	1:72:A:ALA:HB1	1:117:A:THR:HG22	15	0.14
(1,136)	1:72:A:ALA:HB1	1:117:A:THR:HG23	15	0.14
(1,136)	1:72:A:ALA:HB2	1:117:A:THR:HG21	15	0.14
(1,136)	1:72:A:ALA:HB2	1:117:A:THR:HG22	15	0.14
(1,136)	1:72:A:ALA:HB2	1:117:A:THR:HG23	15	0.14
(1,136)	1:72:A:ALA:HB3	1:117:A:THR:HG21	15	0.14
(1,136)	1:72:A:ALA:HB3	1:117:A:THR:HG22	15	0.14
(1,136)	1:72:A:ALA:HB3	1:117:A:THR:HG23	15	0.14
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG21	11	0.14
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG22	11	0.14
(1,130)	1:111:A:LEU:HD11	1:117:A:THR:HG23	11	0.14
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG21	11	0.14
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG22	11	0.14
(1,130)	1:111:A:LEU:HD12	1:117:A:THR:HG23	11	0.14
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG21	11	0.14
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG22	11	0.14
(1,130)	1:111:A:LEU:HD13	1:117:A:THR:HG23	11	0.14
(1,99)	1:61:A:CYS:H	1:128:A:THR:H	19	0.14
(1,95)	1:152:A:ALA:HB1	1:154:A:PHE:H	1	0.14
(1,95)	1:152:A:ALA:HB2	1:154:A:PHE:H	1	0.14
(1,95)	1:152:A:ALA:HB3	1:154:A:PHE:H	1	0.14
(1,86)	1:103:A:ILE:HA	1:135:A:ALA:HB1	5	0.14
(1,86)	1:103:A:ILE:HA	1:135:A:ALA:HB2	5	0.14
(1,86)	1:103:A:ILE:HA	1:135:A:ALA:HB3	5	0.14
(1,85)	1:100:A:GLY:H	1:138:A:PHE:HD1	6	0.14
(1,85)	1:100:A:GLY:H	1:138:A:PHE:HD2	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,83)	1:78:A:ILE:HD11	1:139:A:ALA:HA	8	0.14
(1,83)	1:78:A:ILE:HD12	1:139:A:ALA:HA	8	0.14
(1,83)	1:78:A:ILE:HD13	1:139:A:ALA:HA	8	0.14
(1,81)	1:71:A:VAL:H	1:156:A:VAL:HG11	18	0.14
(1,81)	1:71:A:VAL:H	1:156:A:VAL:HG12	18	0.14
(1,81)	1:71:A:VAL:H	1:156:A:VAL:HG13	18	0.14
(1,54)	1:74:A:LEU:HG	1:152:A:ALA:HA	19	0.14
(1,40)	1:103:A:ILE:HA	1:110:A:ALA:HA	17	0.14
(1,34)	1:11:A:HIS:HE1	1:13:A:LYS:HG2	20	0.14
(1,34)	1:11:A:HIS:HE1	1:13:A:LYS:HG3	20	0.14
(1,32)	1:78:A:ILE:HD11	1:101:A:VAL:H	17	0.14
(1,32)	1:78:A:ILE:HD12	1:101:A:VAL:H	17	0.14
(1,32)	1:78:A:ILE:HD13	1:101:A:VAL:H	17	0.14
(1,29)	1:45:A:GLU:HA	1:138:A:PHE:HD1	15	0.14
(1,29)	1:45:A:GLU:HA	1:138:A:PHE:HD2	15	0.14
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD2	4	0.14
(1,21)	1:74:A:LEU:HD21	1:155:A:LYS:HD3	4	0.14
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD2	4	0.14
(1,21)	1:74:A:LEU:HD22	1:155:A:LYS:HD3	4	0.14
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD2	4	0.14
(1,21)	1:74:A:LEU:HD23	1:155:A:LYS:HD3	4	0.14
(1,14)	1:115:A:GLY:HA2	1:155:A:LYS:HD2	6	0.14
(1,14)	1:115:A:GLY:HA2	1:155:A:LYS:HD3	6	0.14
(1,3490)	1:151:A:ASP:HB2	1:152:A:ALA:H	17	0.13
(1,3490)	1:151:A:ASP:HB3	1:152:A:ALA:H	17	0.13
(1,3472)	1:119:A:SER:HB2	1:120:A:SER:HB2	2	0.13
(1,3472)	1:119:A:SER:HB2	1:120:A:SER:HB3	2	0.13
(1,3472)	1:119:A:SER:HB3	1:120:A:SER:HB2	2	0.13
(1,3472)	1:119:A:SER:HB3	1:120:A:SER:HB3	2	0.13
(1,3468)	1:118:A:PHE:HD1	1:157:A:GLN:HG2	6	0.13
(1,3468)	1:118:A:PHE:HD1	1:157:A:GLN:HG3	6	0.13
(1,3468)	1:118:A:PHE:HD2	1:157:A:GLN:HG2	6	0.13
(1,3468)	1:118:A:PHE:HD2	1:157:A:GLN:HG3	6	0.13
(1,3430)	1:104:A:LEU:HD11	1:136:A:ARG:H	8	0.13
(1,3430)	1:104:A:LEU:HD12	1:136:A:ARG:H	8	0.13
(1,3430)	1:104:A:LEU:HD13	1:136:A:ARG:H	8	0.13
(1,3430)	1:104:A:LEU:HD21	1:136:A:ARG:H	8	0.13
(1,3430)	1:104:A:LEU:HD22	1:136:A:ARG:H	8	0.13
(1,3430)	1:104:A:LEU:HD23	1:136:A:ARG:H	8	0.13
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB1	2	0.13
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB2	2	0.13
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB3	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB1	2	0.13
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB2	2	0.13
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB3	2	0.13
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB1	2	0.13
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB2	2	0.13
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB3	2	0.13
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB1	2	0.13
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB2	2	0.13
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB3	2	0.13
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB1	2	0.13
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB2	2	0.13
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB3	2	0.13
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB1	2	0.13
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB2	2	0.13
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB3	2	0.13
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG11	15	0.13
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG12	15	0.13
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG13	15	0.13
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG21	15	0.13
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG22	15	0.13
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG23	15	0.13
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG11	15	0.13
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG12	15	0.13
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG13	15	0.13
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG21	15	0.13
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG22	15	0.13
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG23	15	0.13
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG11	15	0.13
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG12	15	0.13
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG13	15	0.13
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG21	15	0.13
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG22	15	0.13
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG23	15	0.13
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG11	15	0.13
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG12	15	0.13
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG13	15	0.13
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG21	15	0.13
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG22	15	0.13
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG23	15	0.13
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG11	15	0.13
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG12	15	0.13
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG13	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG21	15	0.13
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG22	15	0.13
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG23	15	0.13
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG11	15	0.13
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG12	15	0.13
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG13	15	0.13
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG21	15	0.13
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG22	15	0.13
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG23	15	0.13
(1,3296)	1:79:A:ASP:HB2	1:80:A:ALA:H	6	0.13
(1,3296)	1:79:A:ASP:HB3	1:80:A:ALA:H	6	0.13
(1,3252)	1:71:A:VAL:HG11	1:72:A:ALA:H	19	0.13
(1,3252)	1:71:A:VAL:HG12	1:72:A:ALA:H	19	0.13
(1,3252)	1:71:A:VAL:HG13	1:72:A:ALA:H	19	0.13
(1,3252)	1:71:A:VAL:HG21	1:72:A:ALA:H	19	0.13
(1,3252)	1:71:A:VAL:HG22	1:72:A:ALA:H	19	0.13
(1,3252)	1:71:A:VAL:HG23	1:72:A:ALA:H	19	0.13
(1,3131)	1:52:A:VAL:HG11	1:53:A:GLY:H	18	0.13
(1,3131)	1:52:A:VAL:HG12	1:53:A:GLY:H	18	0.13
(1,3131)	1:52:A:VAL:HG13	1:53:A:GLY:H	18	0.13
(1,3131)	1:52:A:VAL:HG21	1:53:A:GLY:H	18	0.13
(1,3131)	1:52:A:VAL:HG22	1:53:A:GLY:H	18	0.13
(1,3131)	1:52:A:VAL:HG23	1:53:A:GLY:H	18	0.13
(1,3022)	1:34:A:LEU:HD11	1:137:A:TYR:HE1	12	0.13
(1,3022)	1:34:A:LEU:HD11	1:137:A:TYR:HE2	12	0.13
(1,3022)	1:34:A:LEU:HD12	1:137:A:TYR:HE1	12	0.13
(1,3022)	1:34:A:LEU:HD12	1:137:A:TYR:HE2	12	0.13
(1,3022)	1:34:A:LEU:HD13	1:137:A:TYR:HE1	12	0.13
(1,3022)	1:34:A:LEU:HD13	1:137:A:TYR:HE2	12	0.13
(1,3022)	1:34:A:LEU:HD21	1:137:A:TYR:HE1	12	0.13
(1,3022)	1:34:A:LEU:HD21	1:137:A:TYR:HE2	12	0.13
(1,3022)	1:34:A:LEU:HD22	1:137:A:TYR:HE1	12	0.13
(1,3022)	1:34:A:LEU:HD22	1:137:A:TYR:HE2	12	0.13
(1,3022)	1:34:A:LEU:HD23	1:137:A:TYR:HE1	12	0.13
(1,3022)	1:34:A:LEU:HD23	1:137:A:TYR:HE2	12	0.13
(1,3021)	1:34:A:LEU:HD11	1:137:A:TYR:HD1	15	0.13
(1,3021)	1:34:A:LEU:HD11	1:137:A:TYR:HD2	15	0.13
(1,3021)	1:34:A:LEU:HD12	1:137:A:TYR:HD1	15	0.13
(1,3021)	1:34:A:LEU:HD12	1:137:A:TYR:HD2	15	0.13
(1,3021)	1:34:A:LEU:HD13	1:137:A:TYR:HD1	15	0.13
(1,3021)	1:34:A:LEU:HD13	1:137:A:TYR:HD2	15	0.13
(1,3021)	1:34:A:LEU:HD21	1:137:A:TYR:HD1	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3021)	1:34:A:LEU:HD21	1:137:A:TYR:HD2	15	0.13
(1,3021)	1:34:A:LEU:HD22	1:137:A:TYR:HD1	15	0.13
(1,3021)	1:34:A:LEU:HD22	1:137:A:TYR:HD2	15	0.13
(1,3021)	1:34:A:LEU:HD23	1:137:A:TYR:HD1	15	0.13
(1,3021)	1:34:A:LEU:HD23	1:137:A:TYR:HD2	15	0.13
(1,3011)	1:34:A:LEU:HD11	1:37:A:VAL:HG11	20	0.13
(1,3011)	1:34:A:LEU:HD11	1:37:A:VAL:HG12	20	0.13
(1,3011)	1:34:A:LEU:HD11	1:37:A:VAL:HG13	20	0.13
(1,3011)	1:34:A:LEU:HD11	1:37:A:VAL:HG21	20	0.13
(1,3011)	1:34:A:LEU:HD11	1:37:A:VAL:HG22	20	0.13
(1,3011)	1:34:A:LEU:HD11	1:37:A:VAL:HG23	20	0.13
(1,3011)	1:34:A:LEU:HD12	1:37:A:VAL:HG11	20	0.13
(1,3011)	1:34:A:LEU:HD12	1:37:A:VAL:HG12	20	0.13
(1,3011)	1:34:A:LEU:HD12	1:37:A:VAL:HG13	20	0.13
(1,3011)	1:34:A:LEU:HD12	1:37:A:VAL:HG21	20	0.13
(1,3011)	1:34:A:LEU:HD12	1:37:A:VAL:HG22	20	0.13
(1,3011)	1:34:A:LEU:HD12	1:37:A:VAL:HG23	20	0.13
(1,3011)	1:34:A:LEU:HD13	1:37:A:VAL:HG11	20	0.13
(1,3011)	1:34:A:LEU:HD13	1:37:A:VAL:HG12	20	0.13
(1,3011)	1:34:A:LEU:HD13	1:37:A:VAL:HG13	20	0.13
(1,3011)	1:34:A:LEU:HD13	1:37:A:VAL:HG21	20	0.13
(1,3011)	1:34:A:LEU:HD13	1:37:A:VAL:HG22	20	0.13
(1,3011)	1:34:A:LEU:HD13	1:37:A:VAL:HG23	20	0.13
(1,3011)	1:34:A:LEU:HD21	1:37:A:VAL:HG11	20	0.13
(1,3011)	1:34:A:LEU:HD21	1:37:A:VAL:HG12	20	0.13
(1,3011)	1:34:A:LEU:HD21	1:37:A:VAL:HG13	20	0.13
(1,3011)	1:34:A:LEU:HD21	1:37:A:VAL:HG21	20	0.13
(1,3011)	1:34:A:LEU:HD21	1:37:A:VAL:HG22	20	0.13
(1,3011)	1:34:A:LEU:HD21	1:37:A:VAL:HG23	20	0.13
(1,3011)	1:34:A:LEU:HD22	1:37:A:VAL:HG11	20	0.13
(1,3011)	1:34:A:LEU:HD22	1:37:A:VAL:HG12	20	0.13
(1,3011)	1:34:A:LEU:HD22	1:37:A:VAL:HG13	20	0.13
(1,3011)	1:34:A:LEU:HD22	1:37:A:VAL:HG21	20	0.13
(1,3011)	1:34:A:LEU:HD22	1:37:A:VAL:HG22	20	0.13
(1,3011)	1:34:A:LEU:HD22	1:37:A:VAL:HG23	20	0.13
(1,3011)	1:34:A:LEU:HD23	1:37:A:VAL:HG11	20	0.13
(1,3011)	1:34:A:LEU:HD23	1:37:A:VAL:HG12	20	0.13
(1,3011)	1:34:A:LEU:HD23	1:37:A:VAL:HG13	20	0.13
(1,3011)	1:34:A:LEU:HD23	1:37:A:VAL:HG21	20	0.13
(1,3011)	1:34:A:LEU:HD23	1:37:A:VAL:HG22	20	0.13
(1,3011)	1:34:A:LEU:HD23	1:37:A:VAL:HG23	20	0.13
(1,2988)	1:28:A:VAL:HG11	1:154:A:PHE:HE1	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2988)	1:28:A:VAL:HG11	1:154:A:PHE:HE2	12	0.13
(1,2988)	1:28:A:VAL:HG12	1:154:A:PHE:HE1	12	0.13
(1,2988)	1:28:A:VAL:HG12	1:154:A:PHE:HE2	12	0.13
(1,2988)	1:28:A:VAL:HG13	1:154:A:PHE:HE1	12	0.13
(1,2988)	1:28:A:VAL:HG13	1:154:A:PHE:HE2	12	0.13
(1,2988)	1:28:A:VAL:HG21	1:154:A:PHE:HE1	12	0.13
(1,2988)	1:28:A:VAL:HG21	1:154:A:PHE:HE2	12	0.13
(1,2988)	1:28:A:VAL:HG22	1:154:A:PHE:HE1	12	0.13
(1,2988)	1:28:A:VAL:HG22	1:154:A:PHE:HE2	12	0.13
(1,2988)	1:28:A:VAL:HG23	1:154:A:PHE:HE1	12	0.13
(1,2988)	1:28:A:VAL:HG23	1:154:A:PHE:HE2	12	0.13
(1,2916)	1:18:A:ASN:H	1:18:A:ASN:HB2	11	0.13
(1,2916)	1:18:A:ASN:H	1:18:A:ASN:HB3	11	0.13
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG11	1	0.13
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG12	1	0.13
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG13	1	0.13
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG21	1	0.13
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG22	1	0.13
(1,2875)	1:13:A:LYS:HA	1:28:A:VAL:HG23	1	0.13
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG11	2	0.13
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG12	2	0.13
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG13	2	0.13
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG21	2	0.13
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG22	2	0.13
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG23	2	0.13
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG11	2	0.13
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG12	2	0.13
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG13	2	0.13
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG21	2	0.13
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG22	2	0.13
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG23	2	0.13
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD11	12	0.13
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD12	12	0.13
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD13	12	0.13
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD21	12	0.13
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD22	12	0.13
(1,2810)	1:5:A:VAL:HG11	1:88:A:LEU:HD23	12	0.13
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD11	12	0.13
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD12	12	0.13
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD13	12	0.13
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD21	12	0.13
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD22	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2810)	1:5:A:VAL:HG12	1:88:A:LEU:HD23	12	0.13
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD11	12	0.13
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD12	12	0.13
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD13	12	0.13
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD21	12	0.13
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD22	12	0.13
(1,2810)	1:5:A:VAL:HG13	1:88:A:LEU:HD23	12	0.13
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD11	12	0.13
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD12	12	0.13
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD13	12	0.13
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD21	12	0.13
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD22	12	0.13
(1,2810)	1:5:A:VAL:HG21	1:88:A:LEU:HD23	12	0.13
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD11	12	0.13
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD12	12	0.13
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD13	12	0.13
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD21	12	0.13
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD22	12	0.13
(1,2810)	1:5:A:VAL:HG22	1:88:A:LEU:HD23	12	0.13
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD11	12	0.13
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD12	12	0.13
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD13	12	0.13
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD21	12	0.13
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD22	12	0.13
(1,2810)	1:5:A:VAL:HG23	1:88:A:LEU:HD23	12	0.13
(1,2798)	1:4:A:THR:HB	1:36:A:GLN:HG2	16	0.13
(1,2798)	1:4:A:THR:HB	1:36:A:GLN:HG3	16	0.13
(1,2793)	1:9:A:THR:HG21	1:33:A:GLN:H	8	0.13
(1,2793)	1:9:A:THR:HG22	1:33:A:GLN:H	8	0.13
(1,2793)	1:9:A:THR:HG23	1:33:A:GLN:H	8	0.13
(1,2771)	1:99:A:VAL:H	1:139:A:ALA:HA	2	0.13
(1,2726)	1:89:A:GLN:HG2	1:90:A:SER:H	5	0.13
(1,2726)	1:89:A:GLN:HG3	1:90:A:SER:H	5	0.13
(1,2726)	1:89:A:GLN:HG2	1:90:A:SER:H	13	0.13
(1,2726)	1:89:A:GLN:HG3	1:90:A:SER:H	13	0.13
(1,2717)	1:88:A:LEU:HD21	1:89:A:GLN:H	5	0.13
(1,2717)	1:88:A:LEU:HD22	1:89:A:GLN:H	5	0.13
(1,2717)	1:88:A:LEU:HD23	1:89:A:GLN:H	5	0.13
(1,2716)	1:88:A:LEU:HD21	1:148:A:ALA:HA	8	0.13
(1,2716)	1:88:A:LEU:HD22	1:148:A:ALA:HA	8	0.13
(1,2716)	1:88:A:LEU:HD23	1:148:A:ALA:HA	8	0.13
(1,2612)	1:75:A:GLY:HA2	1:86:A:LEU:HD11	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2612)	1:75:A:GLY:HA2	1:86:A:LEU:HD12	2	0.13
(1,2612)	1:75:A:GLY:HA2	1:86:A:LEU:HD13	2	0.13
(1,2609)	1:75:A:GLY:H	1:115:A:GLY:H	6	0.13
(1,2609)	1:75:A:GLY:H	1:115:A:GLY:H	14	0.13
(1,2609)	1:75:A:GLY:H	1:115:A:GLY:H	19	0.13
(1,2601)	1:74:A:LEU:HB2	1:153:A:THR:H	9	0.13
(1,2560)	1:70:A:ALA:HB1	1:118:A:PHE:H	3	0.13
(1,2560)	1:70:A:ALA:HB2	1:118:A:PHE:H	3	0.13
(1,2560)	1:70:A:ALA:HB3	1:118:A:PHE:H	3	0.13
(1,2508)	1:61:A:CYS:HB2	1:127:A:GLY:H	1	0.13
(1,2355)	1:3:A:THR:HA	1:4:A:THR:HG21	11	0.13
(1,2355)	1:3:A:THR:HA	1:4:A:THR:HG22	11	0.13
(1,2355)	1:3:A:THR:HA	1:4:A:THR:HG23	11	0.13
(1,2351)	1:39:A:THR:HG21	1:146:A:GLY:H	7	0.13
(1,2351)	1:39:A:THR:HG22	1:146:A:GLY:H	7	0.13
(1,2351)	1:39:A:THR:HG23	1:146:A:GLY:H	7	0.13
(1,2335)	1:35:A:GLY:H	1:36:A:GLN:H	8	0.13
(1,2313)	1:32:A:VAL:HG11	1:54:A:PHE:HD1	6	0.13
(1,2313)	1:32:A:VAL:HG11	1:54:A:PHE:HD2	6	0.13
(1,2313)	1:32:A:VAL:HG12	1:54:A:PHE:HD1	6	0.13
(1,2313)	1:32:A:VAL:HG12	1:54:A:PHE:HD2	6	0.13
(1,2313)	1:32:A:VAL:HG13	1:54:A:PHE:HD1	6	0.13
(1,2313)	1:32:A:VAL:HG13	1:54:A:PHE:HD2	6	0.13
(1,2291)	1:30:A:GLN:HA	1:31:A:THR:HB	20	0.13
(1,2251)	1:21:A:CYS:HB2	1:59:A:ASN:H	12	0.13
(1,2219)	1:159:A:GLN:H	1:159:A:GLN:HG2	19	0.13
(1,2219)	1:159:A:GLN:H	1:159:A:GLN:HG3	19	0.13
(1,2204)	1:155:A:LYS:HB2	1:156:A:VAL:H	4	0.13
(1,2204)	1:155:A:LYS:HB2	1:156:A:VAL:H	11	0.13
(1,2202)	1:155:A:LYS:H	1:155:A:LYS:HG3	5	0.13
(1,2202)	1:155:A:LYS:H	1:155:A:LYS:HG2	5	0.13
(1,2202)	1:155:A:LYS:H	1:155:A:LYS:HG3	16	0.13
(1,2202)	1:155:A:LYS:H	1:155:A:LYS:HG2	16	0.13
(1,2202)	1:155:A:LYS:H	1:155:A:LYS:HG3	19	0.13
(1,2202)	1:155:A:LYS:H	1:155:A:LYS:HG2	19	0.13
(1,2124)	1:130:A:THR:HB	1:131:A:ILE:H	12	0.13
(1,2115)	1:129:A:ASN:HB2	1:130:A:THR:H	2	0.13
(1,2104)	1:124:A:LEU:HD11	1:158:A:TYR:HE1	13	0.13
(1,2104)	1:124:A:LEU:HD11	1:158:A:TYR:HE2	13	0.13
(1,2104)	1:124:A:LEU:HD12	1:158:A:TYR:HE1	13	0.13
(1,2104)	1:124:A:LEU:HD12	1:158:A:TYR:HE2	13	0.13
(1,2104)	1:124:A:LEU:HD13	1:158:A:TYR:HE1	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2104)	1:124:A:LEU:HD13	1:158:A:TYR:HE2	13	0.13
(1,2104)	1:124:A:LEU:HD21	1:158:A:TYR:HE1	13	0.13
(1,2104)	1:124:A:LEU:HD21	1:158:A:TYR:HE2	13	0.13
(1,2104)	1:124:A:LEU:HD22	1:158:A:TYR:HE1	13	0.13
(1,2104)	1:124:A:LEU:HD22	1:158:A:TYR:HE2	13	0.13
(1,2104)	1:124:A:LEU:HD23	1:158:A:TYR:HE1	13	0.13
(1,2104)	1:124:A:LEU:HD23	1:158:A:TYR:HE2	13	0.13
(1,2104)	1:124:A:LEU:HD11	1:158:A:TYR:HE1	14	0.13
(1,2104)	1:124:A:LEU:HD11	1:158:A:TYR:HE2	14	0.13
(1,2104)	1:124:A:LEU:HD12	1:158:A:TYR:HE1	14	0.13
(1,2104)	1:124:A:LEU:HD12	1:158:A:TYR:HE2	14	0.13
(1,2104)	1:124:A:LEU:HD13	1:158:A:TYR:HE1	14	0.13
(1,2104)	1:124:A:LEU:HD13	1:158:A:TYR:HE2	14	0.13
(1,2104)	1:124:A:LEU:HD21	1:158:A:TYR:HE1	14	0.13
(1,2104)	1:124:A:LEU:HD21	1:158:A:TYR:HE2	14	0.13
(1,2104)	1:124:A:LEU:HD22	1:158:A:TYR:HE1	14	0.13
(1,2104)	1:124:A:LEU:HD22	1:158:A:TYR:HE2	14	0.13
(1,2104)	1:124:A:LEU:HD23	1:158:A:TYR:HE1	14	0.13
(1,2104)	1:124:A:LEU:HD23	1:158:A:TYR:HE2	14	0.13
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD11	8	0.13
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD12	8	0.13
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD13	8	0.13
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD21	8	0.13
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD22	8	0.13
(1,2089)	1:122:A:THR:H	1:124:A:LEU:HD23	8	0.13
(1,2061)	1:112:A:THR:HB	1:113:A:LEU:H	16	0.13
(1,2044)	1:10:A:VAL:HB	1:32:A:VAL:HB	5	0.13
(1,1968)	1:99:A:VAL:HG11	1:137:A:TYR:HD1	5	0.13
(1,1968)	1:99:A:VAL:HG11	1:137:A:TYR:HD2	5	0.13
(1,1968)	1:99:A:VAL:HG12	1:137:A:TYR:HD1	5	0.13
(1,1968)	1:99:A:VAL:HG12	1:137:A:TYR:HD2	5	0.13
(1,1968)	1:99:A:VAL:HG13	1:137:A:TYR:HD1	5	0.13
(1,1968)	1:99:A:VAL:HG13	1:137:A:TYR:HD2	5	0.13
(1,1968)	1:99:A:VAL:HG11	1:137:A:TYR:HD1	8	0.13
(1,1968)	1:99:A:VAL:HG11	1:137:A:TYR:HD2	8	0.13
(1,1968)	1:99:A:VAL:HG12	1:137:A:TYR:HD1	8	0.13
(1,1968)	1:99:A:VAL:HG12	1:137:A:TYR:HD2	8	0.13
(1,1968)	1:99:A:VAL:HG13	1:137:A:TYR:HD1	8	0.13
(1,1968)	1:99:A:VAL:HG13	1:137:A:TYR:HD2	8	0.13
(1,1968)	1:99:A:VAL:HG11	1:137:A:TYR:HD1	11	0.13
(1,1968)	1:99:A:VAL:HG11	1:137:A:TYR:HD2	11	0.13
(1,1968)	1:99:A:VAL:HG12	1:137:A:TYR:HD1	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1968)	1:99:A:VAL:HG12	1:137:A:TYR:HD2	11	0.13
(1,1968)	1:99:A:VAL:HG13	1:137:A:TYR:HD1	11	0.13
(1,1968)	1:99:A:VAL:HG13	1:137:A:TYR:HD2	11	0.13
(1,1968)	1:99:A:VAL:HG11	1:137:A:TYR:HD1	19	0.13
(1,1968)	1:99:A:VAL:HG11	1:137:A:TYR:HD2	19	0.13
(1,1968)	1:99:A:VAL:HG12	1:137:A:TYR:HD1	19	0.13
(1,1968)	1:99:A:VAL:HG12	1:137:A:TYR:HD2	19	0.13
(1,1968)	1:99:A:VAL:HG13	1:137:A:TYR:HD1	19	0.13
(1,1968)	1:99:A:VAL:HG13	1:137:A:TYR:HD2	19	0.13
(1,1964)	1:99:A:VAL:H	1:99:A:VAL:HB	6	0.13
(1,1964)	1:99:A:VAL:H	1:99:A:VAL:HB	8	0.13
(1,1964)	1:99:A:VAL:H	1:99:A:VAL:HB	13	0.13
(1,1963)	1:98:A:ASN:HD22	1:141:A:GLY:HA3	19	0.13
(1,1945)	1:97:A:THR:H	1:143:A:ALA:HA	7	0.13
(1,1943)	1:96:A:ALA:HB1	1:97:A:THR:H	19	0.13
(1,1943)	1:96:A:ALA:HB2	1:97:A:THR:H	19	0.13
(1,1943)	1:96:A:ALA:HB3	1:97:A:THR:H	19	0.13
(1,1932)	1:91:A:SER:HA	1:92:A:ALA:HA	16	0.13
(1,1918)	1:89:A:GLN:H	1:148:A:ALA:HA	13	0.13
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB1	12	0.13
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB2	12	0.13
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB3	12	0.13
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB1	12	0.13
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB2	12	0.13
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB3	12	0.13
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB1	12	0.13
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB2	12	0.13
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB3	12	0.13
(1,1877)	1:78:A:ILE:HD11	1:140:A:THR:HA	11	0.13
(1,1877)	1:78:A:ILE:HD12	1:140:A:THR:HA	11	0.13
(1,1877)	1:78:A:ILE:HD13	1:140:A:THR:HA	11	0.13
(1,1877)	1:78:A:ILE:HD11	1:140:A:THR:HA	13	0.13
(1,1877)	1:78:A:ILE:HD12	1:140:A:THR:HA	13	0.13
(1,1877)	1:78:A:ILE:HD13	1:140:A:THR:HA	13	0.13
(1,1793)	1:63:A:THR:HB	1:65:A:VAL:H	12	0.13
(1,1763)	1:56:A:ILE:H	1:131:A:ILE:HG21	11	0.13
(1,1763)	1:56:A:ILE:H	1:131:A:ILE:HG22	11	0.13
(1,1763)	1:56:A:ILE:H	1:131:A:ILE:HG23	11	0.13
(1,1763)	1:56:A:ILE:H	1:131:A:ILE:HG21	14	0.13
(1,1763)	1:56:A:ILE:H	1:131:A:ILE:HG22	14	0.13
(1,1763)	1:56:A:ILE:H	1:131:A:ILE:HG23	14	0.13
(1,1755)	1:52:A:VAL:H	1:136:A:ARG:H	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1735)	1:48:A:THR:HG21	1:138:A:PHE:HA	20	0.13
(1,1735)	1:48:A:THR:HG22	1:138:A:PHE:HA	20	0.13
(1,1735)	1:48:A:THR:HG23	1:138:A:PHE:HA	20	0.13
(1,1733)	1:48:A:THR:HB	1:136:A:ARG:HG2	8	0.13
(1,1733)	1:48:A:THR:HB	1:136:A:ARG:HG3	8	0.13
(1,1732)	1:48:A:THR:HB	1:136:A:ARG:HE	20	0.13
(1,1708)	1:42:A:LEU:H	1:47:A:ALA:HB1	1	0.13
(1,1708)	1:42:A:LEU:H	1:47:A:ALA:HB2	1	0.13
(1,1708)	1:42:A:LEU:H	1:47:A:ALA:HB3	1	0.13
(1,1704)	1:41:A:SER:H	1:41:A:SER:HB3	19	0.13
(1,1700)	1:3:A:THR:HB	1:145:A:PRO:HG3	1	0.13
(1,1700)	1:3:A:THR:HB	1:145:A:PRO:HG3	9	0.13
(1,1693)	1:38:A:ARG:H	1:40:A:ALA:H	20	0.13
(1,1676)	1:31:A:THR:HG21	1:32:A:VAL:H	18	0.13
(1,1676)	1:31:A:THR:HG22	1:32:A:VAL:H	18	0.13
(1,1676)	1:31:A:THR:HG23	1:32:A:VAL:H	18	0.13
(1,1635)	1:16:A:VAL:H	1:156:A:VAL:H	13	0.13
(1,1634)	1:16:A:VAL:H	1:155:A:LYS:HA	5	0.13
(1,1618)	1:152:A:ALA:HB1	1:153:A:THR:H	1	0.13
(1,1618)	1:152:A:ALA:HB2	1:153:A:THR:H	1	0.13
(1,1618)	1:152:A:ALA:HB3	1:153:A:THR:H	1	0.13
(1,1601)	1:141:A:GLY:H	1:142:A:ALA:H	12	0.13
(1,1601)	1:141:A:GLY:H	1:142:A:ALA:H	13	0.13
(1,1601)	1:141:A:GLY:H	1:142:A:ALA:H	17	0.13
(1,1578)	1:137:A:TYR:HB3	1:138:A:PHE:HB2	20	0.13
(1,1546)	1:126:A:ASN:HB2	1:127:A:GLY:H	13	0.13
(1,1469)	1:104:A:LEU:HD21	1:136:A:ARG:HE	5	0.13
(1,1469)	1:104:A:LEU:HD22	1:136:A:ARG:HE	5	0.13
(1,1469)	1:104:A:LEU:HD23	1:136:A:ARG:HE	5	0.13
(1,1440)	1:102:A:GLN:HB3	1:103:A:ILE:H	10	0.13
(1,1425)	1:98:A:ASN:HD21	1:142:A:ALA:HA	2	0.13
(1,1425)	1:98:A:ASN:HD21	1:142:A:ALA:HA	7	0.13
(1,1425)	1:98:A:ASN:HD21	1:142:A:ALA:HA	14	0.13
(1,1421)	1:96:A:ALA:HB1	1:99:A:VAL:HB	14	0.13
(1,1421)	1:96:A:ALA:HB2	1:99:A:VAL:HB	14	0.13
(1,1421)	1:96:A:ALA:HB3	1:99:A:VAL:HB	14	0.13
(1,1414)	1:93:A:ALA:H	1:93:A:ALA:HB1	11	0.13
(1,1414)	1:93:A:ALA:H	1:93:A:ALA:HB2	11	0.13
(1,1414)	1:93:A:ALA:H	1:93:A:ALA:HB3	11	0.13
(1,1407)	1:89:A:GLN:HB2	1:90:A:SER:H	12	0.13
(1,1378)	1:74:A:LEU:HG	1:153:A:THR:H	3	0.13
(1,1378)	1:74:A:LEU:HG	1:153:A:THR:H	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1354)	1:69:A:ALA:HB1	1:158:A:TYR:HA	8	0.13
(1,1354)	1:69:A:ALA:HB2	1:158:A:TYR:HA	8	0.13
(1,1354)	1:69:A:ALA:HB3	1:158:A:TYR:HA	8	0.13
(1,1296)	1:39:A:THR:HA	1:144:A:THR:HA	12	0.13
(1,1286)	1:30:A:GLN:HB3	1:31:A:THR:H	9	0.13
(1,1183)	1:103:A:ILE:HA	1:103:A:ILE:HD11	5	0.13
(1,1183)	1:103:A:ILE:HA	1:103:A:ILE:HD12	5	0.13
(1,1183)	1:103:A:ILE:HA	1:103:A:ILE:HD13	5	0.13
(1,1174)	1:100:A:GLY:H	1:140:A:THR:HG21	16	0.13
(1,1174)	1:100:A:GLY:H	1:140:A:THR:HG22	16	0.13
(1,1174)	1:100:A:GLY:H	1:140:A:THR:HG23	16	0.13
(1,1158)	1:86:A:LEU:HG	1:101:A:VAL:H	2	0.13
(1,1141)	1:72:A:ALA:HB1	1:73:A:PHE:HD1	10	0.13
(1,1141)	1:72:A:ALA:HB1	1:73:A:PHE:HD2	10	0.13
(1,1141)	1:72:A:ALA:HB2	1:73:A:PHE:HD1	10	0.13
(1,1141)	1:72:A:ALA:HB2	1:73:A:PHE:HD2	10	0.13
(1,1141)	1:72:A:ALA:HB3	1:73:A:PHE:HD1	10	0.13
(1,1141)	1:72:A:ALA:HB3	1:73:A:PHE:HD2	10	0.13
(1,1141)	1:72:A:ALA:HB1	1:73:A:PHE:HD1	18	0.13
(1,1141)	1:72:A:ALA:HB1	1:73:A:PHE:HD2	18	0.13
(1,1141)	1:72:A:ALA:HB2	1:73:A:PHE:HD1	18	0.13
(1,1141)	1:72:A:ALA:HB2	1:73:A:PHE:HD2	18	0.13
(1,1141)	1:72:A:ALA:HB3	1:73:A:PHE:HD1	18	0.13
(1,1141)	1:72:A:ALA:HB3	1:73:A:PHE:HD2	18	0.13
(1,1091)	1:43:A:ALA:H	1:44:A:GLN:HE21	6	0.13
(1,970)	1:45:A:GLU:H	1:141:A:GLY:H	6	0.13
(1,970)	1:45:A:GLU:H	1:141:A:GLY:H	16	0.13
(1,965)	1:32:A:VAL:HG11	1:34:A:LEU:HG	1	0.13
(1,965)	1:32:A:VAL:HG12	1:34:A:LEU:HG	1	0.13
(1,965)	1:32:A:VAL:HG13	1:34:A:LEU:HG	1	0.13
(1,909)	1:95:A:SER:HA	1:149:A:ASN:H	4	0.13
(1,773)	1:86:A:LEU:HD21	1:151:A:ASP:H	2	0.13
(1,773)	1:86:A:LEU:HD22	1:151:A:ASP:H	2	0.13
(1,773)	1:86:A:LEU:HD23	1:151:A:ASP:H	2	0.13
(1,748)	1:54:A:PHE:HD1	1:134:A:GLN:H	8	0.13
(1,748)	1:54:A:PHE:HD2	1:134:A:GLN:H	8	0.13
(1,721)	1:17:A:VAL:HG21	1:18:A:ASN:H	5	0.13
(1,721)	1:17:A:VAL:HG22	1:18:A:ASN:H	5	0.13
(1,721)	1:17:A:VAL:HG23	1:18:A:ASN:H	5	0.13
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG11	14	0.13
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG12	14	0.13
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG13	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,691)	1:109:A:ALA:H	1:110:A:ALA:HB1	5	0.13
(1,691)	1:109:A:ALA:H	1:110:A:ALA:HB2	5	0.13
(1,691)	1:109:A:ALA:H	1:110:A:ALA:HB3	5	0.13
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB1	3	0.13
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB2	3	0.13
(1,687)	1:102:A:GLN:HB3	1:110:A:ALA:HB3	3	0.13
(1,683)	1:9:A:THR:H	1:149:A:ASN:H	3	0.13
(1,681)	1:90:A:SER:H	1:91:A:SER:H	14	0.13
(1,681)	1:90:A:SER:H	1:91:A:SER:H	16	0.13
(1,669)	1:69:A:ALA:H	1:121:A:GLU:HA	3	0.13
(1,658)	1:51:A:ALA:HB1	1:134:A:GLN:HE21	3	0.13
(1,658)	1:51:A:ALA:HB2	1:134:A:GLN:HE21	3	0.13
(1,658)	1:51:A:ALA:HB3	1:134:A:GLN:HE21	3	0.13
(1,658)	1:51:A:ALA:HB1	1:134:A:GLN:HE21	18	0.13
(1,658)	1:51:A:ALA:HB2	1:134:A:GLN:HE21	18	0.13
(1,658)	1:51:A:ALA:HB3	1:134:A:GLN:HE21	18	0.13
(1,658)	1:51:A:ALA:HB1	1:134:A:GLN:HE21	19	0.13
(1,658)	1:51:A:ALA:HB2	1:134:A:GLN:HE21	19	0.13
(1,658)	1:51:A:ALA:HB3	1:134:A:GLN:HE21	19	0.13
(1,632)	1:127:A:GLY:HA3	1:128:A:THR:HB	19	0.13
(1,626)	1:116:A:ALA:HA	1:118:A:PHE:H	5	0.13
(1,620)	1:103:A:ILE:HG21	1:152:A:ALA:HB1	12	0.13
(1,620)	1:103:A:ILE:HG21	1:152:A:ALA:HB2	12	0.13
(1,620)	1:103:A:ILE:HG21	1:152:A:ALA:HB3	12	0.13
(1,620)	1:103:A:ILE:HG22	1:152:A:ALA:HB1	12	0.13
(1,620)	1:103:A:ILE:HG22	1:152:A:ALA:HB2	12	0.13
(1,620)	1:103:A:ILE:HG22	1:152:A:ALA:HB3	12	0.13
(1,620)	1:103:A:ILE:HG23	1:152:A:ALA:HB1	12	0.13
(1,620)	1:103:A:ILE:HG23	1:152:A:ALA:HB2	12	0.13
(1,620)	1:103:A:ILE:HG23	1:152:A:ALA:HB3	12	0.13
(1,563)	1:123:A:THR:HB	1:124:A:LEU:HA	6	0.13
(1,558)	1:112:A:THR:H	1:112:A:THR:HG21	10	0.13
(1,558)	1:112:A:THR:H	1:112:A:THR:HG22	10	0.13
(1,558)	1:112:A:THR:H	1:112:A:THR:HG23	10	0.13
(1,512)	1:82:A:HIS:HB2	1:85:A:VAL:H	3	0.13
(1,503)	1:54:A:PHE:H	1:55:A:ASN:H	5	0.13
(1,499)	1:45:A:GLU:H	1:141:A:GLY:HA3	10	0.13
(1,475)	1:102:A:GLN:HB3	1:136:A:ARG:HG2	6	0.13
(1,475)	1:102:A:GLN:HB3	1:136:A:ARG:HG3	6	0.13
(1,469)	1:85:A:VAL:H	1:113:A:LEU:HD11	2	0.13
(1,469)	1:85:A:VAL:H	1:113:A:LEU:HD12	2	0.13
(1,469)	1:85:A:VAL:H	1:113:A:LEU:HD13	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,469)	1:85:A:VAL:H	1:113:A:LEU:HD21	2	0.13
(1,469)	1:85:A:VAL:H	1:113:A:LEU:HD22	2	0.13
(1,469)	1:85:A:VAL:H	1:113:A:LEU:HD23	2	0.13
(1,465)	1:74:A:LEU:HD21	1:153:A:THR:H	17	0.13
(1,465)	1:74:A:LEU:HD22	1:153:A:THR:H	17	0.13
(1,465)	1:74:A:LEU:HD23	1:153:A:THR:H	17	0.13
(1,441)	1:16:A:VAL:H	1:156:A:VAL:HG21	6	0.13
(1,441)	1:16:A:VAL:H	1:156:A:VAL:HG22	6	0.13
(1,441)	1:16:A:VAL:H	1:156:A:VAL:HG23	6	0.13
(1,389)	1:20:A:ALA:HB1	1:66:A:ALA:H	15	0.13
(1,389)	1:20:A:ALA:HB2	1:66:A:ALA:H	15	0.13
(1,389)	1:20:A:ALA:HB3	1:66:A:ALA:H	15	0.13
(1,354)	1:99:A:VAL:HG21	1:137:A:TYR:HD1	2	0.13
(1,354)	1:99:A:VAL:HG21	1:137:A:TYR:HD2	2	0.13
(1,354)	1:99:A:VAL:HG22	1:137:A:TYR:HD1	2	0.13
(1,354)	1:99:A:VAL:HG22	1:137:A:TYR:HD2	2	0.13
(1,354)	1:99:A:VAL:HG23	1:137:A:TYR:HD1	2	0.13
(1,354)	1:99:A:VAL:HG23	1:137:A:TYR:HD2	2	0.13
(1,350)	1:90:A:SER:HA	1:93:A:ALA:H	7	0.13
(1,331)	1:14:A:GLY:HA2	1:15:A:GLU:H	8	0.13
(1,331)	1:14:A:GLY:HA2	1:15:A:GLU:H	20	0.13
(1,312)	1:4:A:THR:HG21	1:38:A:ARG:H	10	0.13
(1,312)	1:4:A:THR:HG22	1:38:A:ARG:H	10	0.13
(1,312)	1:4:A:THR:HG23	1:38:A:ARG:H	10	0.13
(1,250)	1:158:A:TYR:HA	1:158:A:TYR:HE1	5	0.13
(1,250)	1:158:A:TYR:HA	1:158:A:TYR:HE2	5	0.13
(1,250)	1:158:A:TYR:HA	1:158:A:TYR:HE1	9	0.13
(1,250)	1:158:A:TYR:HA	1:158:A:TYR:HE2	9	0.13
(1,228)	1:18:A:ASN:HA	1:158:A:TYR:HE1	6	0.13
(1,228)	1:18:A:ASN:HA	1:158:A:TYR:HE2	6	0.13
(1,222)	1:97:A:THR:HG21	1:98:A:ASN:HD21	16	0.13
(1,222)	1:97:A:THR:HG22	1:98:A:ASN:HD21	16	0.13
(1,222)	1:97:A:THR:HG23	1:98:A:ASN:HD21	16	0.13
(1,199)	1:17:A:VAL:HG11	1:155:A:LYS:HB2	4	0.13
(1,199)	1:17:A:VAL:HG12	1:155:A:LYS:HB2	4	0.13
(1,199)	1:17:A:VAL:HG13	1:155:A:LYS:HB2	4	0.13
(1,199)	1:17:A:VAL:HG11	1:155:A:LYS:HB2	17	0.13
(1,199)	1:17:A:VAL:HG12	1:155:A:LYS:HB2	17	0.13
(1,199)	1:17:A:VAL:HG13	1:155:A:LYS:HB2	17	0.13
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG21	16	0.13
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG22	16	0.13
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG23	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,136)	1:72:A:ALA:HB1	1:117:A:THR:HG21	11	0.13
(1,136)	1:72:A:ALA:HB1	1:117:A:THR:HG22	11	0.13
(1,136)	1:72:A:ALA:HB1	1:117:A:THR:HG23	11	0.13
(1,136)	1:72:A:ALA:HB2	1:117:A:THR:HG21	11	0.13
(1,136)	1:72:A:ALA:HB2	1:117:A:THR:HG22	11	0.13
(1,136)	1:72:A:ALA:HB2	1:117:A:THR:HG23	11	0.13
(1,136)	1:72:A:ALA:HB3	1:117:A:THR:HG21	11	0.13
(1,136)	1:72:A:ALA:HB3	1:117:A:THR:HG22	11	0.13
(1,136)	1:72:A:ALA:HB3	1:117:A:THR:HG23	11	0.13
(1,99)	1:61:A:CYS:H	1:128:A:THR:H	12	0.13
(1,83)	1:78:A:ILE:HD11	1:139:A:ALA:HA	9	0.13
(1,83)	1:78:A:ILE:HD12	1:139:A:ALA:HA	9	0.13
(1,83)	1:78:A:ILE:HD13	1:139:A:ALA:HA	9	0.13
(1,70)	1:103:A:ILE:H	1:110:A:ALA:HA	19	0.13
(1,42)	1:156:A:VAL:HA	1:158:A:TYR:H	16	0.13
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG21	7	0.13
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG22	7	0.13
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG23	7	0.13
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG21	7	0.13
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG22	7	0.13
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG23	7	0.13
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG21	7	0.13
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG22	7	0.13
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG23	7	0.13
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG21	14	0.13
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG22	14	0.13
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG23	14	0.13
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG21	14	0.13
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG22	14	0.13
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG23	14	0.13
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG21	14	0.13
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG22	14	0.13
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG23	14	0.13
(1,14)	1:115:A:GLY:HA2	1:155:A:LYS:HD2	5	0.13
(1,14)	1:115:A:GLY:HA2	1:155:A:LYS:HD3	5	0.13
(1,1)	1:112:A:THR:HB	1:116:A:ALA:H	17	0.13
(1,3490)	1:151:A:ASP:HB2	1:152:A:ALA:H	6	0.12
(1,3490)	1:151:A:ASP:HB3	1:152:A:ALA:H	6	0.12
(1,3468)	1:118:A:PHE:HD1	1:157:A:GLN:HG2	8	0.12
(1,3468)	1:118:A:PHE:HD1	1:157:A:GLN:HG3	8	0.12
(1,3468)	1:118:A:PHE:HD2	1:157:A:GLN:HG2	8	0.12
(1,3468)	1:118:A:PHE:HD2	1:157:A:GLN:HG3	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3378)	1:94:A:GLY:HA2	1:147:A:ALA:HB1	6	0.12
(1,3378)	1:94:A:GLY:HA2	1:147:A:ALA:HB2	6	0.12
(1,3378)	1:94:A:GLY:HA2	1:147:A:ALA:HB3	6	0.12
(1,3378)	1:94:A:GLY:HA3	1:147:A:ALA:HB1	6	0.12
(1,3378)	1:94:A:GLY:HA3	1:147:A:ALA:HB2	6	0.12
(1,3378)	1:94:A:GLY:HA3	1:147:A:ALA:HB3	6	0.12
(1,3363)	1:89:A:GLN:HB2	1:90:A:SER:H	3	0.12
(1,3363)	1:89:A:GLN:HB3	1:90:A:SER:H	3	0.12
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG11	18	0.12
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG12	18	0.12
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG13	18	0.12
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG21	18	0.12
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG22	18	0.12
(1,3348)	1:88:A:LEU:HD11	1:99:A:VAL:HG23	18	0.12
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG11	18	0.12
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG12	18	0.12
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG13	18	0.12
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG21	18	0.12
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG22	18	0.12
(1,3348)	1:88:A:LEU:HD12	1:99:A:VAL:HG23	18	0.12
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG11	18	0.12
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG12	18	0.12
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG13	18	0.12
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG21	18	0.12
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG22	18	0.12
(1,3348)	1:88:A:LEU:HD13	1:99:A:VAL:HG23	18	0.12
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG11	18	0.12
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG12	18	0.12
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG13	18	0.12
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG21	18	0.12
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG22	18	0.12
(1,3348)	1:88:A:LEU:HD21	1:99:A:VAL:HG23	18	0.12
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG11	18	0.12
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG12	18	0.12
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG13	18	0.12
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG21	18	0.12
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG22	18	0.12
(1,3348)	1:88:A:LEU:HD22	1:99:A:VAL:HG23	18	0.12
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG11	18	0.12
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG12	18	0.12
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG13	18	0.12
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG21	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG22	18	0.12
(1,3348)	1:88:A:LEU:HD23	1:99:A:VAL:HG23	18	0.12
(1,3318)	1:85:A:VAL:HA	1:102:A:GLN:HG2	7	0.12
(1,3318)	1:85:A:VAL:HA	1:102:A:GLN:HG3	7	0.12
(1,3283)	1:78:A:ILE:H	1:85:A:VAL:HG11	13	0.12
(1,3283)	1:78:A:ILE:H	1:85:A:VAL:HG12	13	0.12
(1,3283)	1:78:A:ILE:H	1:85:A:VAL:HG13	13	0.12
(1,3283)	1:78:A:ILE:H	1:85:A:VAL:HG21	13	0.12
(1,3283)	1:78:A:ILE:H	1:85:A:VAL:HG22	13	0.12
(1,3283)	1:78:A:ILE:H	1:85:A:VAL:HG23	13	0.12
(1,3252)	1:71:A:VAL:HG11	1:72:A:ALA:H	8	0.12
(1,3252)	1:71:A:VAL:HG12	1:72:A:ALA:H	8	0.12
(1,3252)	1:71:A:VAL:HG13	1:72:A:ALA:H	8	0.12
(1,3252)	1:71:A:VAL:HG21	1:72:A:ALA:H	8	0.12
(1,3252)	1:71:A:VAL:HG22	1:72:A:ALA:H	8	0.12
(1,3252)	1:71:A:VAL:HG23	1:72:A:ALA:H	8	0.12
(1,3252)	1:71:A:VAL:HG11	1:72:A:ALA:H	18	0.12
(1,3252)	1:71:A:VAL:HG12	1:72:A:ALA:H	18	0.12
(1,3252)	1:71:A:VAL:HG13	1:72:A:ALA:H	18	0.12
(1,3252)	1:71:A:VAL:HG21	1:72:A:ALA:H	18	0.12
(1,3252)	1:71:A:VAL:HG22	1:72:A:ALA:H	18	0.12
(1,3252)	1:71:A:VAL:HG23	1:72:A:ALA:H	18	0.12
(1,3218)	1:67:A:SER:HB2	1:123:A:THR:HG21	6	0.12
(1,3218)	1:67:A:SER:HB2	1:123:A:THR:HG22	6	0.12
(1,3218)	1:67:A:SER:HB2	1:123:A:THR:HG23	6	0.12
(1,3218)	1:67:A:SER:HB3	1:123:A:THR:HG21	6	0.12
(1,3218)	1:67:A:SER:HB3	1:123:A:THR:HG22	6	0.12
(1,3218)	1:67:A:SER:HB3	1:123:A:THR:HG23	6	0.12
(1,3176)	1:58:A:LEU:HD11	1:131:A:ILE:HG13	20	0.12
(1,3176)	1:58:A:LEU:HD12	1:131:A:ILE:HG13	20	0.12
(1,3176)	1:58:A:LEU:HD13	1:131:A:ILE:HG13	20	0.12
(1,3176)	1:58:A:LEU:HD21	1:131:A:ILE:HG13	20	0.12
(1,3176)	1:58:A:LEU:HD22	1:131:A:ILE:HG13	20	0.12
(1,3176)	1:58:A:LEU:HD23	1:131:A:ILE:HG13	20	0.12
(1,3106)	1:49:A:SER:HB2	1:50:A:SER:H	7	0.12
(1,3106)	1:49:A:SER:HB3	1:50:A:SER:H	7	0.12
(1,3106)	1:49:A:SER:HB2	1:50:A:SER:H	8	0.12
(1,3106)	1:49:A:SER:HB3	1:50:A:SER:H	8	0.12
(1,3106)	1:49:A:SER:HB2	1:50:A:SER:H	10	0.12
(1,3106)	1:49:A:SER:HB3	1:50:A:SER:H	10	0.12
(1,3087)	1:44:A:GLN:HB2	1:47:A:ALA:HB1	18	0.12
(1,3087)	1:44:A:GLN:HB2	1:47:A:ALA:HB2	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3087)	1:44:A:GLN:HB2	1:47:A:ALA:HB3	18	0.12
(1,3087)	1:44:A:GLN:HB3	1:47:A:ALA:HB1	18	0.12
(1,3087)	1:44:A:GLN:HB3	1:47:A:ALA:HB2	18	0.12
(1,3087)	1:44:A:GLN:HB3	1:47:A:ALA:HB3	18	0.12
(1,3065)	1:42:A:LEU:HD11	1:48:A:THR:HB	4	0.12
(1,3065)	1:42:A:LEU:HD12	1:48:A:THR:HB	4	0.12
(1,3065)	1:42:A:LEU:HD13	1:48:A:THR:HB	4	0.12
(1,3065)	1:42:A:LEU:HD21	1:48:A:THR:HB	4	0.12
(1,3065)	1:42:A:LEU:HD22	1:48:A:THR:HB	4	0.12
(1,3065)	1:42:A:LEU:HD23	1:48:A:THR:HB	4	0.12
(1,3033)	1:37:A:VAL:HB	1:42:A:LEU:HD11	2	0.12
(1,3033)	1:37:A:VAL:HB	1:42:A:LEU:HD12	2	0.12
(1,3033)	1:37:A:VAL:HB	1:42:A:LEU:HD13	2	0.12
(1,3033)	1:37:A:VAL:HB	1:42:A:LEU:HD21	2	0.12
(1,3033)	1:37:A:VAL:HB	1:42:A:LEU:HD22	2	0.12
(1,3033)	1:37:A:VAL:HB	1:42:A:LEU:HD23	2	0.12
(1,3023)	1:34:A:LEU:HD11	1:148:A:ALA:HB1	11	0.12
(1,3023)	1:34:A:LEU:HD11	1:148:A:ALA:HB2	11	0.12
(1,3023)	1:34:A:LEU:HD11	1:148:A:ALA:HB3	11	0.12
(1,3023)	1:34:A:LEU:HD12	1:148:A:ALA:HB1	11	0.12
(1,3023)	1:34:A:LEU:HD12	1:148:A:ALA:HB2	11	0.12
(1,3023)	1:34:A:LEU:HD12	1:148:A:ALA:HB3	11	0.12
(1,3023)	1:34:A:LEU:HD13	1:148:A:ALA:HB1	11	0.12
(1,3023)	1:34:A:LEU:HD13	1:148:A:ALA:HB2	11	0.12
(1,3023)	1:34:A:LEU:HD13	1:148:A:ALA:HB3	11	0.12
(1,3023)	1:34:A:LEU:HD21	1:148:A:ALA:HB1	11	0.12
(1,3023)	1:34:A:LEU:HD21	1:148:A:ALA:HB2	11	0.12
(1,3023)	1:34:A:LEU:HD21	1:148:A:ALA:HB3	11	0.12
(1,3023)	1:34:A:LEU:HD22	1:148:A:ALA:HB1	11	0.12
(1,3023)	1:34:A:LEU:HD22	1:148:A:ALA:HB2	11	0.12
(1,3023)	1:34:A:LEU:HD22	1:148:A:ALA:HB3	11	0.12
(1,3023)	1:34:A:LEU:HD23	1:148:A:ALA:HB1	11	0.12
(1,3023)	1:34:A:LEU:HD23	1:148:A:ALA:HB2	11	0.12
(1,3023)	1:34:A:LEU:HD23	1:148:A:ALA:HB3	11	0.12
(1,3021)	1:34:A:LEU:HD11	1:137:A:TYR:HD1	6	0.12
(1,3021)	1:34:A:LEU:HD11	1:137:A:TYR:HD2	6	0.12
(1,3021)	1:34:A:LEU:HD12	1:137:A:TYR:HD1	6	0.12
(1,3021)	1:34:A:LEU:HD12	1:137:A:TYR:HD2	6	0.12
(1,3021)	1:34:A:LEU:HD13	1:137:A:TYR:HD1	6	0.12
(1,3021)	1:34:A:LEU:HD13	1:137:A:TYR:HD2	6	0.12
(1,3021)	1:34:A:LEU:HD21	1:137:A:TYR:HD1	6	0.12
(1,3021)	1:34:A:LEU:HD21	1:137:A:TYR:HD2	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3021)	1:34:A:LEU:HD22	1:137:A:TYR:HD1	6	0.12
(1,3021)	1:34:A:LEU:HD22	1:137:A:TYR:HD2	6	0.12
(1,3021)	1:34:A:LEU:HD23	1:137:A:TYR:HD1	6	0.12
(1,3021)	1:34:A:LEU:HD23	1:137:A:TYR:HD2	6	0.12
(1,3021)	1:34:A:LEU:HD11	1:137:A:TYR:HD1	18	0.12
(1,3021)	1:34:A:LEU:HD11	1:137:A:TYR:HD2	18	0.12
(1,3021)	1:34:A:LEU:HD12	1:137:A:TYR:HD1	18	0.12
(1,3021)	1:34:A:LEU:HD12	1:137:A:TYR:HD2	18	0.12
(1,3021)	1:34:A:LEU:HD13	1:137:A:TYR:HD1	18	0.12
(1,3021)	1:34:A:LEU:HD13	1:137:A:TYR:HD2	18	0.12
(1,3021)	1:34:A:LEU:HD21	1:137:A:TYR:HD1	18	0.12
(1,3021)	1:34:A:LEU:HD21	1:137:A:TYR:HD2	18	0.12
(1,3021)	1:34:A:LEU:HD22	1:137:A:TYR:HD1	18	0.12
(1,3021)	1:34:A:LEU:HD22	1:137:A:TYR:HD2	18	0.12
(1,3021)	1:34:A:LEU:HD23	1:137:A:TYR:HD1	18	0.12
(1,3021)	1:34:A:LEU:HD23	1:137:A:TYR:HD2	18	0.12
(1,2952)	1:23:A:VAL:HG11	1:29:A:ASP:H	8	0.12
(1,2952)	1:23:A:VAL:HG12	1:29:A:ASP:H	8	0.12
(1,2952)	1:23:A:VAL:HG13	1:29:A:ASP:H	8	0.12
(1,2952)	1:23:A:VAL:HG21	1:29:A:ASP:H	8	0.12
(1,2952)	1:23:A:VAL:HG22	1:29:A:ASP:H	8	0.12
(1,2952)	1:23:A:VAL:HG23	1:29:A:ASP:H	8	0.12
(1,2948)	1:23:A:VAL:HG11	1:28:A:VAL:H	8	0.12
(1,2948)	1:23:A:VAL:HG12	1:28:A:VAL:H	8	0.12
(1,2948)	1:23:A:VAL:HG13	1:28:A:VAL:H	8	0.12
(1,2948)	1:23:A:VAL:HG21	1:28:A:VAL:H	8	0.12
(1,2948)	1:23:A:VAL:HG22	1:28:A:VAL:H	8	0.12
(1,2948)	1:23:A:VAL:HG23	1:28:A:VAL:H	8	0.12
(1,2853)	1:10:A:VAL:HG11	1:32:A:VAL:HA	13	0.12
(1,2853)	1:10:A:VAL:HG12	1:32:A:VAL:HA	13	0.12
(1,2853)	1:10:A:VAL:HG13	1:32:A:VAL:HA	13	0.12
(1,2853)	1:10:A:VAL:HG21	1:32:A:VAL:HA	13	0.12
(1,2853)	1:10:A:VAL:HG22	1:32:A:VAL:HA	13	0.12
(1,2853)	1:10:A:VAL:HG23	1:32:A:VAL:HA	13	0.12
(1,2798)	1:4:A:THR:HB	1:36:A:GLN:HG2	18	0.12
(1,2798)	1:4:A:THR:HB	1:36:A:GLN:HG3	18	0.12
(1,2771)	1:99:A:VAL:H	1:139:A:ALA:HA	9	0.12
(1,2768)	1:98:A:ASN:HD22	1:143:A:ALA:HA	19	0.12
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB1	3	0.12
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB2	3	0.12
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB3	3	0.12
(1,2719)	1:89:A:GLN:H	1:89:A:GLN:HE21	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2717)	1:88:A:LEU:HD21	1:89:A:GLN:H	11	0.12
(1,2717)	1:88:A:LEU:HD22	1:89:A:GLN:H	11	0.12
(1,2717)	1:88:A:LEU:HD23	1:89:A:GLN:H	11	0.12
(1,2717)	1:88:A:LEU:HD21	1:89:A:GLN:H	17	0.12
(1,2717)	1:88:A:LEU:HD22	1:89:A:GLN:H	17	0.12
(1,2717)	1:88:A:LEU:HD23	1:89:A:GLN:H	17	0.12
(1,2706)	1:87:A:ALA:H	1:101:A:VAL:H	14	0.12
(1,2706)	1:87:A:ALA:H	1:101:A:VAL:H	17	0.12
(1,2706)	1:87:A:ALA:H	1:101:A:VAL:H	19	0.12
(1,2662)	1:82:A:HIS:HB3	1:83:A:THR:H	2	0.12
(1,2662)	1:82:A:HIS:HB3	1:83:A:THR:H	5	0.12
(1,2623)	1:77:A:ALA:HB1	1:81:A:GLY:H	16	0.12
(1,2623)	1:77:A:ALA:HB2	1:81:A:GLY:H	16	0.12
(1,2623)	1:77:A:ALA:HB3	1:81:A:GLY:H	16	0.12
(1,2601)	1:74:A:LEU:HB2	1:153:A:THR:H	15	0.12
(1,2560)	1:70:A:ALA:HB1	1:118:A:PHE:H	10	0.12
(1,2560)	1:70:A:ALA:HB2	1:118:A:PHE:H	10	0.12
(1,2560)	1:70:A:ALA:HB3	1:118:A:PHE:H	10	0.12
(1,2532)	1:66:A:ALA:HB1	1:68:A:LYS:H	9	0.12
(1,2532)	1:66:A:ALA:HB2	1:68:A:LYS:H	9	0.12
(1,2532)	1:66:A:ALA:HB3	1:68:A:LYS:H	9	0.12
(1,2529)	1:66:A:ALA:HB1	1:158:A:TYR:HA	17	0.12
(1,2529)	1:66:A:ALA:HB2	1:158:A:TYR:HA	17	0.12
(1,2529)	1:66:A:ALA:HB3	1:158:A:TYR:HA	17	0.12
(1,2508)	1:61:A:CYS:HB2	1:127:A:GLY:H	13	0.12
(1,2453)	1:53:A:GLY:H	1:54:A:PHE:H	16	0.12
(1,2452)	1:53:A:GLY:H	1:134:A:GLN:HA	2	0.12
(1,2382)	1:43:A:ALA:H	1:47:A:ALA:HA	16	0.12
(1,2335)	1:35:A:GLY:H	1:36:A:GLN:H	12	0.12
(1,2316)	1:33:A:GLN:H	1:34:A:LEU:H	10	0.12
(1,2316)	1:33:A:GLN:H	1:34:A:LEU:H	20	0.12
(1,2219)	1:159:A:GLN:H	1:159:A:GLN:HG2	9	0.12
(1,2219)	1:159:A:GLN:H	1:159:A:GLN:HG3	9	0.12
(1,2204)	1:155:A:LYS:HB2	1:156:A:VAL:H	12	0.12
(1,2202)	1:155:A:LYS:H	1:155:A:LYS:HG3	14	0.12
(1,2202)	1:155:A:LYS:H	1:155:A:LYS:HG2	14	0.12
(1,2191)	1:149:A:ASN:HD21	1:150:A:ALA:H	11	0.12
(1,2159)	1:139:A:ALA:H	1:143:A:ALA:HB1	8	0.12
(1,2159)	1:139:A:ALA:H	1:143:A:ALA:HB2	8	0.12
(1,2159)	1:139:A:ALA:H	1:143:A:ALA:HB3	8	0.12
(1,2159)	1:139:A:ALA:H	1:143:A:ALA:HB1	15	0.12
(1,2159)	1:139:A:ALA:H	1:143:A:ALA:HB2	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2159)	1:139:A:ALA:H	1:143:A:ALA:HB3	15	0.12
(1,2124)	1:130:A:THR:HB	1:131:A:ILE:H	19	0.12
(1,2104)	1:124:A:LEU:HD11	1:158:A:TYR:HE1	1	0.12
(1,2104)	1:124:A:LEU:HD11	1:158:A:TYR:HE2	1	0.12
(1,2104)	1:124:A:LEU:HD12	1:158:A:TYR:HE1	1	0.12
(1,2104)	1:124:A:LEU:HD12	1:158:A:TYR:HE2	1	0.12
(1,2104)	1:124:A:LEU:HD13	1:158:A:TYR:HE1	1	0.12
(1,2104)	1:124:A:LEU:HD13	1:158:A:TYR:HE2	1	0.12
(1,2104)	1:124:A:LEU:HD21	1:158:A:TYR:HE1	1	0.12
(1,2104)	1:124:A:LEU:HD21	1:158:A:TYR:HE2	1	0.12
(1,2104)	1:124:A:LEU:HD22	1:158:A:TYR:HE1	1	0.12
(1,2104)	1:124:A:LEU:HD22	1:158:A:TYR:HE2	1	0.12
(1,2104)	1:124:A:LEU:HD23	1:158:A:TYR:HE1	1	0.12
(1,2104)	1:124:A:LEU:HD23	1:158:A:TYR:HE2	1	0.12
(1,2104)	1:124:A:LEU:HD11	1:158:A:TYR:HE1	4	0.12
(1,2104)	1:124:A:LEU:HD11	1:158:A:TYR:HE2	4	0.12
(1,2104)	1:124:A:LEU:HD12	1:158:A:TYR:HE1	4	0.12
(1,2104)	1:124:A:LEU:HD12	1:158:A:TYR:HE2	4	0.12
(1,2104)	1:124:A:LEU:HD13	1:158:A:TYR:HE1	4	0.12
(1,2104)	1:124:A:LEU:HD13	1:158:A:TYR:HE2	4	0.12
(1,2104)	1:124:A:LEU:HD21	1:158:A:TYR:HE1	4	0.12
(1,2104)	1:124:A:LEU:HD21	1:158:A:TYR:HE2	4	0.12
(1,2104)	1:124:A:LEU:HD22	1:158:A:TYR:HE1	4	0.12
(1,2104)	1:124:A:LEU:HD22	1:158:A:TYR:HE2	4	0.12
(1,2104)	1:124:A:LEU:HD23	1:158:A:TYR:HE1	4	0.12
(1,2104)	1:124:A:LEU:HD23	1:158:A:TYR:HE2	4	0.12
(1,2011)	1:104:A:LEU:HD11	1:105:A:ASP:H	9	0.12
(1,2011)	1:104:A:LEU:HD12	1:105:A:ASP:H	9	0.12
(1,2011)	1:104:A:LEU:HD13	1:105:A:ASP:H	9	0.12
(1,2000)	1:103:A:ILE:HG21	1:111:A:LEU:HD21	2	0.12
(1,2000)	1:103:A:ILE:HG21	1:111:A:LEU:HD22	2	0.12
(1,2000)	1:103:A:ILE:HG21	1:111:A:LEU:HD23	2	0.12
(1,2000)	1:103:A:ILE:HG22	1:111:A:LEU:HD21	2	0.12
(1,2000)	1:103:A:ILE:HG22	1:111:A:LEU:HD22	2	0.12
(1,2000)	1:103:A:ILE:HG22	1:111:A:LEU:HD23	2	0.12
(1,2000)	1:103:A:ILE:HG23	1:111:A:LEU:HD21	2	0.12
(1,2000)	1:103:A:ILE:HG23	1:111:A:LEU:HD22	2	0.12
(1,2000)	1:103:A:ILE:HG23	1:111:A:LEU:HD23	2	0.12
(1,1981)	1:100:A:GLY:H	1:139:A:ALA:HA	3	0.12
(1,1981)	1:100:A:GLY:H	1:139:A:ALA:HA	10	0.12
(1,1980)	1:9:A:THR:HG21	1:33:A:GLN:HE21	5	0.12
(1,1980)	1:9:A:THR:HG22	1:33:A:GLN:HE21	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1980)	1:9:A:THR:HG23	1:33:A:GLN:HE21	5	0.12
(1,1964)	1:99:A:VAL:H	1:99:A:VAL:HB	17	0.12
(1,1963)	1:98:A:ASN:HD22	1:141:A:GLY:HA3	12	0.12
(1,1946)	1:97:A:THR:H	1:143:A:ALA:HB1	9	0.12
(1,1946)	1:97:A:THR:H	1:143:A:ALA:HB2	9	0.12
(1,1946)	1:97:A:THR:H	1:143:A:ALA:HB3	9	0.12
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB1	10	0.12
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB2	10	0.12
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB3	10	0.12
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB1	10	0.12
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB2	10	0.12
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB3	10	0.12
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB1	10	0.12
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB2	10	0.12
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB3	10	0.12
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB1	17	0.12
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB2	17	0.12
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB3	17	0.12
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB1	17	0.12
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB2	17	0.12
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB3	17	0.12
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB1	17	0.12
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB2	17	0.12
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB3	17	0.12
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB1	19	0.12
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB2	19	0.12
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB3	19	0.12
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB1	19	0.12
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB2	19	0.12
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB3	19	0.12
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB1	19	0.12
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB2	19	0.12
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB3	19	0.12
(1,1896)	1:83:A:THR:H	1:83:A:THR:HG21	15	0.12
(1,1896)	1:83:A:THR:H	1:83:A:THR:HG22	15	0.12
(1,1896)	1:83:A:THR:H	1:83:A:THR:HG23	15	0.12
(1,1891)	1:80:A:ALA:HA	1:82:A:HIS:H	11	0.12
(1,1881)	1:78:A:ILE:HG21	1:82:A:HIS:H	2	0.12
(1,1881)	1:78:A:ILE:HG22	1:82:A:HIS:H	2	0.12
(1,1881)	1:78:A:ILE:HG23	1:82:A:HIS:H	2	0.12
(1,1856)	1:75:A:GLY:H	1:113:A:LEU:HA	5	0.12
(1,1793)	1:63:A:THR:HB	1:65:A:VAL:H	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1793)	1:63:A:THR:HB	1:65:A:VAL:H	6	0.12
(1,1755)	1:52:A:VAL:H	1:136:A:ARG:H	7	0.12
(1,1753)	1:51:A:ALA:HB1	1:134:A:GLN:HE22	5	0.12
(1,1753)	1:51:A:ALA:HB2	1:134:A:GLN:HE22	5	0.12
(1,1753)	1:51:A:ALA:HB3	1:134:A:GLN:HE22	5	0.12
(1,1737)	1:48:A:THR:HG21	1:49:A:SER:H	10	0.12
(1,1737)	1:48:A:THR:HG22	1:49:A:SER:H	10	0.12
(1,1737)	1:48:A:THR:HG23	1:49:A:SER:H	10	0.12
(1,1737)	1:48:A:THR:HG21	1:49:A:SER:H	13	0.12
(1,1737)	1:48:A:THR:HG22	1:49:A:SER:H	13	0.12
(1,1737)	1:48:A:THR:HG23	1:49:A:SER:H	13	0.12
(1,1737)	1:48:A:THR:HG21	1:49:A:SER:H	20	0.12
(1,1737)	1:48:A:THR:HG22	1:49:A:SER:H	20	0.12
(1,1737)	1:48:A:THR:HG23	1:49:A:SER:H	20	0.12
(1,1708)	1:42:A:LEU:H	1:47:A:ALA:HB1	20	0.12
(1,1708)	1:42:A:LEU:H	1:47:A:ALA:HB2	20	0.12
(1,1708)	1:42:A:LEU:H	1:47:A:ALA:HB3	20	0.12
(1,1618)	1:152:A:ALA:HB1	1:153:A:THR:H	12	0.12
(1,1618)	1:152:A:ALA:HB2	1:153:A:THR:H	12	0.12
(1,1618)	1:152:A:ALA:HB3	1:153:A:THR:H	12	0.12
(1,1601)	1:141:A:GLY:H	1:142:A:ALA:H	11	0.12
(1,1578)	1:137:A:TYR:HB3	1:138:A:PHE:HB2	1	0.12
(1,1546)	1:126:A:ASN:HB2	1:127:A:GLY:H	17	0.12
(1,1493)	1:10:A:VAL:HG21	1:12:A:PHE:HD1	5	0.12
(1,1493)	1:10:A:VAL:HG21	1:12:A:PHE:HD2	5	0.12
(1,1493)	1:10:A:VAL:HG22	1:12:A:PHE:HD1	5	0.12
(1,1493)	1:10:A:VAL:HG22	1:12:A:PHE:HD2	5	0.12
(1,1493)	1:10:A:VAL:HG23	1:12:A:PHE:HD1	5	0.12
(1,1493)	1:10:A:VAL:HG23	1:12:A:PHE:HD2	5	0.12
(1,1468)	1:104:A:LEU:HD21	1:135:A:ALA:HA	14	0.12
(1,1468)	1:104:A:LEU:HD22	1:135:A:ALA:HA	14	0.12
(1,1468)	1:104:A:LEU:HD23	1:135:A:ALA:HA	14	0.12
(1,1440)	1:102:A:GLN:HB3	1:103:A:ILE:H	16	0.12
(1,1407)	1:89:A:GLN:HB2	1:90:A:SER:H	5	0.12
(1,1382)	1:76:A:THR:H	1:86:A:LEU:HA	18	0.12
(1,1378)	1:74:A:LEU:HG	1:153:A:THR:H	7	0.12
(1,1354)	1:69:A:ALA:HB1	1:158:A:TYR:HA	17	0.12
(1,1354)	1:69:A:ALA:HB2	1:158:A:TYR:HA	17	0.12
(1,1354)	1:69:A:ALA:HB3	1:158:A:TYR:HA	17	0.12
(1,1308)	1:43:A:ALA:H	1:139:A:ALA:HB1	3	0.12
(1,1308)	1:43:A:ALA:H	1:139:A:ALA:HB2	3	0.12
(1,1308)	1:43:A:ALA:H	1:139:A:ALA:HB3	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1308)	1:43:A:ALA:H	1:139:A:ALA:HB1	15	0.12
(1,1308)	1:43:A:ALA:H	1:139:A:ALA:HB2	15	0.12
(1,1308)	1:43:A:ALA:H	1:139:A:ALA:HB3	15	0.12
(1,1308)	1:43:A:ALA:H	1:139:A:ALA:HB1	16	0.12
(1,1308)	1:43:A:ALA:H	1:139:A:ALA:HB2	16	0.12
(1,1308)	1:43:A:ALA:H	1:139:A:ALA:HB3	16	0.12
(1,1302)	1:3:A:THR:HG21	1:145:A:PRO:HG3	7	0.12
(1,1302)	1:3:A:THR:HG22	1:145:A:PRO:HG3	7	0.12
(1,1302)	1:3:A:THR:HG23	1:145:A:PRO:HG3	7	0.12
(1,1296)	1:39:A:THR:HA	1:144:A:THR:HA	3	0.12
(1,1286)	1:30:A:GLN:HB3	1:31:A:THR:H	6	0.12
(1,1286)	1:30:A:GLN:HB3	1:31:A:THR:H	20	0.12
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD11	20	0.12
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD12	20	0.12
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD13	20	0.12
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD21	20	0.12
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD22	20	0.12
(1,1268)	1:20:A:ALA:HB1	1:124:A:LEU:HD23	20	0.12
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD11	20	0.12
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD12	20	0.12
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD13	20	0.12
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD21	20	0.12
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD22	20	0.12
(1,1268)	1:20:A:ALA:HB2	1:124:A:LEU:HD23	20	0.12
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD11	20	0.12
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD12	20	0.12
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD13	20	0.12
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD21	20	0.12
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD22	20	0.12
(1,1268)	1:20:A:ALA:HB3	1:124:A:LEU:HD23	20	0.12
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG21	8	0.12
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG22	8	0.12
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG23	8	0.12
(1,1166)	1:91:A:SER:HA	1:92:A:ALA:HB1	1	0.12
(1,1166)	1:91:A:SER:HA	1:92:A:ALA:HB2	1	0.12
(1,1166)	1:91:A:SER:HA	1:92:A:ALA:HB3	1	0.12
(1,1166)	1:91:A:SER:HA	1:92:A:ALA:HB1	3	0.12
(1,1166)	1:91:A:SER:HA	1:92:A:ALA:HB2	3	0.12
(1,1166)	1:91:A:SER:HA	1:92:A:ALA:HB3	3	0.12
(1,1166)	1:91:A:SER:HA	1:92:A:ALA:HB1	14	0.12
(1,1166)	1:91:A:SER:HA	1:92:A:ALA:HB2	14	0.12
(1,1166)	1:91:A:SER:HA	1:92:A:ALA:HB3	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1121)	1:63:A:THR:H	1:126:A:ASN:HA	18	0.12
(1,1099)	1:48:A:THR:HG21	1:136:A:ARG:HG2	3	0.12
(1,1099)	1:48:A:THR:HG21	1:136:A:ARG:HG3	3	0.12
(1,1099)	1:48:A:THR:HG22	1:136:A:ARG:HG2	3	0.12
(1,1099)	1:48:A:THR:HG22	1:136:A:ARG:HG3	3	0.12
(1,1099)	1:48:A:THR:HG23	1:136:A:ARG:HG2	3	0.12
(1,1099)	1:48:A:THR:HG23	1:136:A:ARG:HG3	3	0.12
(1,1098)	1:48:A:THR:HB	1:49:A:SER:H	10	0.12
(1,1094)	1:45:A:GLU:H	1:142:A:ALA:H	19	0.12
(1,1058)	1:12:A:PHE:HA	1:12:A:PHE:HE1	8	0.12
(1,1058)	1:12:A:PHE:HA	1:12:A:PHE:HE2	8	0.12
(1,1013)	1:82:A:HIS:H	1:84:A:ASN:H	7	0.12
(1,1011)	1:76:A:THR:H	1:76:A:THR:HB	4	0.12
(1,970)	1:45:A:GLU:H	1:141:A:GLY:H	20	0.12
(1,879)	1:69:A:ALA:H	1:121:A:GLU:HB3	7	0.12
(1,876)	1:64:A:ASN:H	1:65:A:VAL:HB	12	0.12
(1,859)	1:44:A:GLN:H	1:47:A:ALA:H	7	0.12
(1,859)	1:44:A:GLN:H	1:47:A:ALA:H	20	0.12
(1,854)	1:39:A:THR:HG21	1:40:A:ALA:H	6	0.12
(1,854)	1:39:A:THR:HG22	1:40:A:ALA:H	6	0.12
(1,854)	1:39:A:THR:HG23	1:40:A:ALA:H	6	0.12
(1,854)	1:39:A:THR:HG21	1:40:A:ALA:H	9	0.12
(1,854)	1:39:A:THR:HG22	1:40:A:ALA:H	9	0.12
(1,854)	1:39:A:THR:HG23	1:40:A:ALA:H	9	0.12
(1,815)	1:127:A:GLY:H	1:128:A:THR:H	2	0.12
(1,800)	1:10:A:VAL:HG21	1:103:A:ILE:HD11	4	0.12
(1,800)	1:10:A:VAL:HG21	1:103:A:ILE:HD12	4	0.12
(1,800)	1:10:A:VAL:HG21	1:103:A:ILE:HD13	4	0.12
(1,800)	1:10:A:VAL:HG22	1:103:A:ILE:HD11	4	0.12
(1,800)	1:10:A:VAL:HG22	1:103:A:ILE:HD12	4	0.12
(1,800)	1:10:A:VAL:HG22	1:103:A:ILE:HD13	4	0.12
(1,800)	1:10:A:VAL:HG23	1:103:A:ILE:HD11	4	0.12
(1,800)	1:10:A:VAL:HG23	1:103:A:ILE:HD12	4	0.12
(1,800)	1:10:A:VAL:HG23	1:103:A:ILE:HD13	4	0.12
(1,788)	1:101:A:VAL:H	1:150:A:ALA:HB1	13	0.12
(1,788)	1:101:A:VAL:H	1:150:A:ALA:HB2	13	0.12
(1,788)	1:101:A:VAL:H	1:150:A:ALA:HB3	13	0.12
(1,770)	1:79:A:ASP:HB2	1:81:A:GLY:H	1	0.12
(1,737)	1:32:A:VAL:HG11	1:34:A:LEU:HA	7	0.12
(1,737)	1:32:A:VAL:HG12	1:34:A:LEU:HA	7	0.12
(1,737)	1:32:A:VAL:HG13	1:34:A:LEU:HA	7	0.12
(1,727)	1:21:A:CYS:HA	1:61:A:CYS:H	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,721)	1:17:A:VAL:HG21	1:18:A:ASN:H	1	0.12
(1,721)	1:17:A:VAL:HG22	1:18:A:ASN:H	1	0.12
(1,721)	1:17:A:VAL:HG23	1:18:A:ASN:H	1	0.12
(1,721)	1:17:A:VAL:HG21	1:18:A:ASN:H	18	0.12
(1,721)	1:17:A:VAL:HG22	1:18:A:ASN:H	18	0.12
(1,721)	1:17:A:VAL:HG23	1:18:A:ASN:H	18	0.12
(1,700)	1:11:A:HIS:H	1:150:A:ALA:H	6	0.12
(1,692)	1:10:A:VAL:HA	1:149:A:ASN:HA	8	0.12
(1,683)	1:9:A:THR:H	1:149:A:ASN:H	1	0.12
(1,681)	1:90:A:SER:H	1:91:A:SER:H	2	0.12
(1,632)	1:127:A:GLY:HA3	1:128:A:THR:HB	4	0.12
(1,587)	1:42:A:LEU:HG	1:48:A:THR:HA	20	0.12
(1,573)	1:17:A:VAL:HB	1:18:A:ASN:H	9	0.12
(1,549)	1:74:A:LEU:HD21	1:155:A:LYS:HE2	12	0.12
(1,549)	1:74:A:LEU:HD21	1:155:A:LYS:HE3	12	0.12
(1,549)	1:74:A:LEU:HD22	1:155:A:LYS:HE2	12	0.12
(1,549)	1:74:A:LEU:HD22	1:155:A:LYS:HE3	12	0.12
(1,549)	1:74:A:LEU:HD23	1:155:A:LYS:HE2	12	0.12
(1,549)	1:74:A:LEU:HD23	1:155:A:LYS:HE3	12	0.12
(1,488)	1:147:A:ALA:HB1	1:148:A:ALA:H	1	0.12
(1,488)	1:147:A:ALA:HB2	1:148:A:ALA:H	1	0.12
(1,488)	1:147:A:ALA:HB3	1:148:A:ALA:H	1	0.12
(1,469)	1:85:A:VAL:H	1:113:A:LEU:HD11	13	0.12
(1,469)	1:85:A:VAL:H	1:113:A:LEU:HD12	13	0.12
(1,469)	1:85:A:VAL:H	1:113:A:LEU:HD13	13	0.12
(1,469)	1:85:A:VAL:H	1:113:A:LEU:HD21	13	0.12
(1,469)	1:85:A:VAL:H	1:113:A:LEU:HD22	13	0.12
(1,469)	1:85:A:VAL:H	1:113:A:LEU:HD23	13	0.12
(1,465)	1:74:A:LEU:HD21	1:153:A:THR:H	8	0.12
(1,465)	1:74:A:LEU:HD22	1:153:A:THR:H	8	0.12
(1,465)	1:74:A:LEU:HD23	1:153:A:THR:H	8	0.12
(1,359)	1:113:A:LEU:HD11	1:151:A:ASP:H	20	0.12
(1,359)	1:113:A:LEU:HD12	1:151:A:ASP:H	20	0.12
(1,359)	1:113:A:LEU:HD13	1:151:A:ASP:H	20	0.12
(1,359)	1:113:A:LEU:HD21	1:151:A:ASP:H	20	0.12
(1,359)	1:113:A:LEU:HD22	1:151:A:ASP:H	20	0.12
(1,359)	1:113:A:LEU:HD23	1:151:A:ASP:H	20	0.12
(1,326)	1:118:A:PHE:HB2	1:157:A:GLN:HB3	6	0.12
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD1	7	0.12
(1,305)	1:110:A:ALA:HB1	1:138:A:PHE:HD2	7	0.12
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD1	7	0.12
(1,305)	1:110:A:ALA:HB2	1:138:A:PHE:HD2	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD1	7	0.12
(1,305)	1:110:A:ALA:HB3	1:138:A:PHE:HD2	7	0.12
(1,296)	1:55:A:ASN:HA	1:131:A:ILE:HB	16	0.12
(1,295)	1:39:A:THR:HA	1:42:A:LEU:HG	2	0.12
(1,259)	1:101:A:VAL:HG11	1:138:A:PHE:H	2	0.12
(1,259)	1:101:A:VAL:HG12	1:138:A:PHE:H	2	0.12
(1,259)	1:101:A:VAL:HG13	1:138:A:PHE:H	2	0.12
(1,250)	1:158:A:TYR:HA	1:158:A:TYR:HE1	14	0.12
(1,250)	1:158:A:TYR:HA	1:158:A:TYR:HE2	14	0.12
(1,222)	1:97:A:THR:HG21	1:98:A:ASN:HD21	4	0.12
(1,222)	1:97:A:THR:HG22	1:98:A:ASN:HD21	4	0.12
(1,222)	1:97:A:THR:HG23	1:98:A:ASN:HD21	4	0.12
(1,199)	1:17:A:VAL:HG11	1:155:A:LYS:HB2	1	0.12
(1,199)	1:17:A:VAL:HG12	1:155:A:LYS:HB2	1	0.12
(1,199)	1:17:A:VAL:HG13	1:155:A:LYS:HB2	1	0.12
(1,176)	1:32:A:VAL:HG11	1:54:A:PHE:HB2	2	0.12
(1,176)	1:32:A:VAL:HG11	1:54:A:PHE:HB3	2	0.12
(1,176)	1:32:A:VAL:HG12	1:54:A:PHE:HB2	2	0.12
(1,176)	1:32:A:VAL:HG12	1:54:A:PHE:HB3	2	0.12
(1,176)	1:32:A:VAL:HG13	1:54:A:PHE:HB2	2	0.12
(1,176)	1:32:A:VAL:HG13	1:54:A:PHE:HB3	2	0.12
(1,176)	1:32:A:VAL:HG11	1:54:A:PHE:HB2	6	0.12
(1,176)	1:32:A:VAL:HG11	1:54:A:PHE:HB3	6	0.12
(1,176)	1:32:A:VAL:HG12	1:54:A:PHE:HB2	6	0.12
(1,176)	1:32:A:VAL:HG12	1:54:A:PHE:HB3	6	0.12
(1,176)	1:32:A:VAL:HG13	1:54:A:PHE:HB2	6	0.12
(1,176)	1:32:A:VAL:HG13	1:54:A:PHE:HB3	6	0.12
(1,151)	1:106:A:ARG:HA	1:133:A:PHE:HE1	12	0.12
(1,151)	1:106:A:ARG:HA	1:133:A:PHE:HE2	12	0.12
(1,136)	1:72:A:ALA:HB1	1:117:A:THR:HG21	3	0.12
(1,136)	1:72:A:ALA:HB1	1:117:A:THR:HG22	3	0.12
(1,136)	1:72:A:ALA:HB1	1:117:A:THR:HG23	3	0.12
(1,136)	1:72:A:ALA:HB2	1:117:A:THR:HG21	3	0.12
(1,136)	1:72:A:ALA:HB2	1:117:A:THR:HG22	3	0.12
(1,136)	1:72:A:ALA:HB2	1:117:A:THR:HG23	3	0.12
(1,136)	1:72:A:ALA:HB3	1:117:A:THR:HG21	3	0.12
(1,136)	1:72:A:ALA:HB3	1:117:A:THR:HG22	3	0.12
(1,136)	1:72:A:ALA:HB3	1:117:A:THR:HG23	3	0.12
(1,136)	1:72:A:ALA:HB1	1:117:A:THR:HG21	20	0.12
(1,136)	1:72:A:ALA:HB1	1:117:A:THR:HG22	20	0.12
(1,136)	1:72:A:ALA:HB1	1:117:A:THR:HG23	20	0.12
(1,136)	1:72:A:ALA:HB2	1:117:A:THR:HG21	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,136)	1:72:A:ALA:HB2	1:117:A:THR:HG22	20	0.12
(1,136)	1:72:A:ALA:HB2	1:117:A:THR:HG23	20	0.12
(1,136)	1:72:A:ALA:HB3	1:117:A:THR:HG21	20	0.12
(1,136)	1:72:A:ALA:HB3	1:117:A:THR:HG22	20	0.12
(1,136)	1:72:A:ALA:HB3	1:117:A:THR:HG23	20	0.12
(1,107)	1:15:A:GLU:HB3	1:16:A:VAL:HA	2	0.12
(1,99)	1:61:A:CYS:H	1:128:A:THR:H	1	0.12
(1,99)	1:61:A:CYS:H	1:128:A:THR:H	2	0.12
(1,95)	1:152:A:ALA:HB1	1:154:A:PHE:H	2	0.12
(1,95)	1:152:A:ALA:HB2	1:154:A:PHE:H	2	0.12
(1,95)	1:152:A:ALA:HB3	1:154:A:PHE:H	2	0.12
(1,86)	1:103:A:ILE:HA	1:135:A:ALA:HB1	8	0.12
(1,86)	1:103:A:ILE:HA	1:135:A:ALA:HB2	8	0.12
(1,86)	1:103:A:ILE:HA	1:135:A:ALA:HB3	8	0.12
(1,48)	1:150:A:ALA:HB1	1:152:A:ALA:HA	3	0.12
(1,48)	1:150:A:ALA:HB2	1:152:A:ALA:HA	3	0.12
(1,48)	1:150:A:ALA:HB3	1:152:A:ALA:HA	3	0.12
(1,48)	1:150:A:ALA:HB1	1:152:A:ALA:HA	4	0.12
(1,48)	1:150:A:ALA:HB2	1:152:A:ALA:HA	4	0.12
(1,48)	1:150:A:ALA:HB3	1:152:A:ALA:HA	4	0.12
(1,32)	1:78:A:ILE:HD11	1:101:A:VAL:H	3	0.12
(1,32)	1:78:A:ILE:HD12	1:101:A:VAL:H	3	0.12
(1,32)	1:78:A:ILE:HD13	1:101:A:VAL:H	3	0.12
(1,29)	1:45:A:GLU:HA	1:138:A:PHE:HD1	6	0.12
(1,29)	1:45:A:GLU:HA	1:138:A:PHE:HD2	6	0.12
(1,19)	1:57:A:GLN:HE22	1:128:A:THR:HG21	13	0.12
(1,19)	1:57:A:GLN:HE22	1:128:A:THR:HG22	13	0.12
(1,19)	1:57:A:GLN:HE22	1:128:A:THR:HG23	13	0.12
(1,19)	1:57:A:GLN:HE22	1:128:A:THR:HG21	14	0.12
(1,19)	1:57:A:GLN:HE22	1:128:A:THR:HG22	14	0.12
(1,19)	1:57:A:GLN:HE22	1:128:A:THR:HG23	14	0.12
(1,17)	1:43:A:ALA:HB1	1:44:A:GLN:HA	14	0.12
(1,17)	1:43:A:ALA:HB2	1:44:A:GLN:HA	14	0.12
(1,17)	1:43:A:ALA:HB3	1:44:A:GLN:HA	14	0.12
(1,3)	1:12:A:PHE:HZ	1:73:A:PHE:HZ	14	0.12
(1,3)	1:12:A:PHE:HZ	1:73:A:PHE:HZ	18	0.12
(1,3490)	1:151:A:ASP:HB2	1:152:A:ALA:H	16	0.11
(1,3490)	1:151:A:ASP:HB3	1:152:A:ALA:H	16	0.11
(1,3468)	1:118:A:PHE:HD1	1:157:A:GLN:HG2	18	0.11
(1,3468)	1:118:A:PHE:HD1	1:157:A:GLN:HG3	18	0.11
(1,3468)	1:118:A:PHE:HD2	1:157:A:GLN:HG2	18	0.11
(1,3468)	1:118:A:PHE:HD2	1:157:A:GLN:HG3	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3449)	1:106:A:ARG:HA	1:119:A:SER:HB2	5	0.11
(1,3449)	1:106:A:ARG:HA	1:119:A:SER:HB3	5	0.11
(1,3428)	1:104:A:LEU:HD11	1:135:A:ALA:H	13	0.11
(1,3428)	1:104:A:LEU:HD12	1:135:A:ALA:H	13	0.11
(1,3428)	1:104:A:LEU:HD13	1:135:A:ALA:H	13	0.11
(1,3428)	1:104:A:LEU:HD21	1:135:A:ALA:H	13	0.11
(1,3428)	1:104:A:LEU:HD22	1:135:A:ALA:H	13	0.11
(1,3428)	1:104:A:LEU:HD23	1:135:A:ALA:H	13	0.11
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD11	12	0.11
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD12	12	0.11
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD13	12	0.11
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD21	12	0.11
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD22	12	0.11
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD23	12	0.11
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD11	14	0.11
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD12	14	0.11
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD13	14	0.11
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD21	14	0.11
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD22	14	0.11
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD23	14	0.11
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD11	15	0.11
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD12	15	0.11
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD13	15	0.11
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD21	15	0.11
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD22	15	0.11
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD23	15	0.11
(1,3378)	1:94:A:GLY:HA2	1:147:A:ALA:HB1	16	0.11
(1,3378)	1:94:A:GLY:HA2	1:147:A:ALA:HB2	16	0.11
(1,3378)	1:94:A:GLY:HA2	1:147:A:ALA:HB3	16	0.11
(1,3378)	1:94:A:GLY:HA3	1:147:A:ALA:HB1	16	0.11
(1,3378)	1:94:A:GLY:HA3	1:147:A:ALA:HB2	16	0.11
(1,3378)	1:94:A:GLY:HA3	1:147:A:ALA:HB3	16	0.11
(1,3353)	1:88:A:LEU:HD11	1:138:A:PHE:H	14	0.11
(1,3353)	1:88:A:LEU:HD12	1:138:A:PHE:H	14	0.11
(1,3353)	1:88:A:LEU:HD13	1:138:A:PHE:H	14	0.11
(1,3353)	1:88:A:LEU:HD21	1:138:A:PHE:H	14	0.11
(1,3353)	1:88:A:LEU:HD22	1:138:A:PHE:H	14	0.11
(1,3353)	1:88:A:LEU:HD23	1:138:A:PHE:H	14	0.11
(1,3318)	1:85:A:VAL:HA	1:102:A:GLN:HG2	16	0.11
(1,3318)	1:85:A:VAL:HA	1:102:A:GLN:HG3	16	0.11
(1,3269)	1:71:A:VAL:HG11	1:155:A:LYS:H	11	0.11
(1,3269)	1:71:A:VAL:HG12	1:155:A:LYS:H	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3269)	1:71:A:VAL:HG13	1:155:A:LYS:H	11	0.11
(1,3269)	1:71:A:VAL:HG21	1:155:A:LYS:H	11	0.11
(1,3269)	1:71:A:VAL:HG22	1:155:A:LYS:H	11	0.11
(1,3269)	1:71:A:VAL:HG23	1:155:A:LYS:H	11	0.11
(1,3191)	1:62:A:ASP:HB2	1:65:A:VAL:HB	15	0.11
(1,3191)	1:62:A:ASP:HB3	1:65:A:VAL:HB	15	0.11
(1,3183)	1:61:A:CYS:HB2	1:62:A:ASP:H	9	0.11
(1,3183)	1:61:A:CYS:HB3	1:62:A:ASP:H	9	0.11
(1,3140)	1:54:A:PHE:HA	1:55:A:ASN:HD21	9	0.11
(1,3140)	1:54:A:PHE:HA	1:55:A:ASN:HD22	9	0.11
(1,3131)	1:52:A:VAL:HG11	1:53:A:GLY:H	20	0.11
(1,3131)	1:52:A:VAL:HG12	1:53:A:GLY:H	20	0.11
(1,3131)	1:52:A:VAL:HG13	1:53:A:GLY:H	20	0.11
(1,3131)	1:52:A:VAL:HG21	1:53:A:GLY:H	20	0.11
(1,3131)	1:52:A:VAL:HG22	1:53:A:GLY:H	20	0.11
(1,3131)	1:52:A:VAL:HG23	1:53:A:GLY:H	20	0.11
(1,3081)	1:43:A:ALA:H	1:44:A:GLN:HE21	2	0.11
(1,3081)	1:43:A:ALA:H	1:44:A:GLN:HE22	2	0.11
(1,3081)	1:43:A:ALA:H	1:44:A:GLN:HE21	4	0.11
(1,3081)	1:43:A:ALA:H	1:44:A:GLN:HE22	4	0.11
(1,3022)	1:34:A:LEU:HD11	1:137:A:TYR:HE1	11	0.11
(1,3022)	1:34:A:LEU:HD11	1:137:A:TYR:HE2	11	0.11
(1,3022)	1:34:A:LEU:HD12	1:137:A:TYR:HE1	11	0.11
(1,3022)	1:34:A:LEU:HD12	1:137:A:TYR:HE2	11	0.11
(1,3022)	1:34:A:LEU:HD13	1:137:A:TYR:HE1	11	0.11
(1,3022)	1:34:A:LEU:HD13	1:137:A:TYR:HE2	11	0.11
(1,3022)	1:34:A:LEU:HD21	1:137:A:TYR:HE1	11	0.11
(1,3022)	1:34:A:LEU:HD21	1:137:A:TYR:HE2	11	0.11
(1,3022)	1:34:A:LEU:HD22	1:137:A:TYR:HE1	11	0.11
(1,3022)	1:34:A:LEU:HD22	1:137:A:TYR:HE2	11	0.11
(1,3022)	1:34:A:LEU:HD23	1:137:A:TYR:HE1	11	0.11
(1,3022)	1:34:A:LEU:HD23	1:137:A:TYR:HE2	11	0.11
(1,3011)	1:34:A:LEU:HD11	1:37:A:VAL:HG11	16	0.11
(1,3011)	1:34:A:LEU:HD11	1:37:A:VAL:HG12	16	0.11
(1,3011)	1:34:A:LEU:HD11	1:37:A:VAL:HG13	16	0.11
(1,3011)	1:34:A:LEU:HD11	1:37:A:VAL:HG21	16	0.11
(1,3011)	1:34:A:LEU:HD11	1:37:A:VAL:HG22	16	0.11
(1,3011)	1:34:A:LEU:HD11	1:37:A:VAL:HG23	16	0.11
(1,3011)	1:34:A:LEU:HD12	1:37:A:VAL:HG11	16	0.11
(1,3011)	1:34:A:LEU:HD12	1:37:A:VAL:HG12	16	0.11
(1,3011)	1:34:A:LEU:HD12	1:37:A:VAL:HG13	16	0.11
(1,3011)	1:34:A:LEU:HD12	1:37:A:VAL:HG21	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3011)	1:34:A:LEU:HD12	1:37:A:VAL:HG22	16	0.11
(1,3011)	1:34:A:LEU:HD12	1:37:A:VAL:HG23	16	0.11
(1,3011)	1:34:A:LEU:HD13	1:37:A:VAL:HG11	16	0.11
(1,3011)	1:34:A:LEU:HD13	1:37:A:VAL:HG12	16	0.11
(1,3011)	1:34:A:LEU:HD13	1:37:A:VAL:HG13	16	0.11
(1,3011)	1:34:A:LEU:HD13	1:37:A:VAL:HG21	16	0.11
(1,3011)	1:34:A:LEU:HD13	1:37:A:VAL:HG22	16	0.11
(1,3011)	1:34:A:LEU:HD13	1:37:A:VAL:HG23	16	0.11
(1,3011)	1:34:A:LEU:HD21	1:37:A:VAL:HG11	16	0.11
(1,3011)	1:34:A:LEU:HD21	1:37:A:VAL:HG12	16	0.11
(1,3011)	1:34:A:LEU:HD21	1:37:A:VAL:HG13	16	0.11
(1,3011)	1:34:A:LEU:HD21	1:37:A:VAL:HG21	16	0.11
(1,3011)	1:34:A:LEU:HD21	1:37:A:VAL:HG22	16	0.11
(1,3011)	1:34:A:LEU:HD21	1:37:A:VAL:HG23	16	0.11
(1,3011)	1:34:A:LEU:HD22	1:37:A:VAL:HG11	16	0.11
(1,3011)	1:34:A:LEU:HD22	1:37:A:VAL:HG12	16	0.11
(1,3011)	1:34:A:LEU:HD22	1:37:A:VAL:HG13	16	0.11
(1,3011)	1:34:A:LEU:HD22	1:37:A:VAL:HG21	16	0.11
(1,3011)	1:34:A:LEU:HD22	1:37:A:VAL:HG22	16	0.11
(1,3011)	1:34:A:LEU:HD22	1:37:A:VAL:HG23	16	0.11
(1,3011)	1:34:A:LEU:HD23	1:37:A:VAL:HG11	16	0.11
(1,3011)	1:34:A:LEU:HD23	1:37:A:VAL:HG12	16	0.11
(1,3011)	1:34:A:LEU:HD23	1:37:A:VAL:HG13	16	0.11
(1,3011)	1:34:A:LEU:HD23	1:37:A:VAL:HG21	16	0.11
(1,3011)	1:34:A:LEU:HD23	1:37:A:VAL:HG22	16	0.11
(1,3011)	1:34:A:LEU:HD23	1:37:A:VAL:HG23	16	0.11
(1,2996)	1:32:A:VAL:HG11	1:52:A:VAL:HG11	20	0.11
(1,2996)	1:32:A:VAL:HG11	1:52:A:VAL:HG12	20	0.11
(1,2996)	1:32:A:VAL:HG11	1:52:A:VAL:HG13	20	0.11
(1,2996)	1:32:A:VAL:HG11	1:52:A:VAL:HG21	20	0.11
(1,2996)	1:32:A:VAL:HG11	1:52:A:VAL:HG22	20	0.11
(1,2996)	1:32:A:VAL:HG11	1:52:A:VAL:HG23	20	0.11
(1,2996)	1:32:A:VAL:HG12	1:52:A:VAL:HG11	20	0.11
(1,2996)	1:32:A:VAL:HG12	1:52:A:VAL:HG12	20	0.11
(1,2996)	1:32:A:VAL:HG12	1:52:A:VAL:HG13	20	0.11
(1,2996)	1:32:A:VAL:HG12	1:52:A:VAL:HG21	20	0.11
(1,2996)	1:32:A:VAL:HG12	1:52:A:VAL:HG22	20	0.11
(1,2996)	1:32:A:VAL:HG12	1:52:A:VAL:HG23	20	0.11
(1,2996)	1:32:A:VAL:HG13	1:52:A:VAL:HG11	20	0.11
(1,2996)	1:32:A:VAL:HG13	1:52:A:VAL:HG12	20	0.11
(1,2996)	1:32:A:VAL:HG13	1:52:A:VAL:HG13	20	0.11
(1,2996)	1:32:A:VAL:HG13	1:52:A:VAL:HG21	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2996)	1:32:A:VAL:HG13	1:52:A:VAL:HG22	20	0.11
(1,2996)	1:32:A:VAL:HG13	1:52:A:VAL:HG23	20	0.11
(1,2988)	1:28:A:VAL:HG11	1:154:A:PHE:HE1	19	0.11
(1,2988)	1:28:A:VAL:HG11	1:154:A:PHE:HE2	19	0.11
(1,2988)	1:28:A:VAL:HG12	1:154:A:PHE:HE1	19	0.11
(1,2988)	1:28:A:VAL:HG12	1:154:A:PHE:HE2	19	0.11
(1,2988)	1:28:A:VAL:HG13	1:154:A:PHE:HE1	19	0.11
(1,2988)	1:28:A:VAL:HG13	1:154:A:PHE:HE2	19	0.11
(1,2988)	1:28:A:VAL:HG21	1:154:A:PHE:HE1	19	0.11
(1,2988)	1:28:A:VAL:HG21	1:154:A:PHE:HE2	19	0.11
(1,2988)	1:28:A:VAL:HG22	1:154:A:PHE:HE1	19	0.11
(1,2988)	1:28:A:VAL:HG22	1:154:A:PHE:HE2	19	0.11
(1,2988)	1:28:A:VAL:HG23	1:154:A:PHE:HE1	19	0.11
(1,2988)	1:28:A:VAL:HG23	1:154:A:PHE:HE2	19	0.11
(1,2853)	1:10:A:VAL:HG11	1:32:A:VAL:HA	10	0.11
(1,2853)	1:10:A:VAL:HG12	1:32:A:VAL:HA	10	0.11
(1,2853)	1:10:A:VAL:HG13	1:32:A:VAL:HA	10	0.11
(1,2853)	1:10:A:VAL:HG21	1:32:A:VAL:HA	10	0.11
(1,2853)	1:10:A:VAL:HG22	1:32:A:VAL:HA	10	0.11
(1,2853)	1:10:A:VAL:HG23	1:32:A:VAL:HA	10	0.11
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG11	9	0.11
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG12	9	0.11
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG13	9	0.11
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG21	9	0.11
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG22	9	0.11
(1,2831)	1:8:A:GLY:H	1:37:A:VAL:HG23	9	0.11
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG11	18	0.11
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG12	18	0.11
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG13	18	0.11
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG21	18	0.11
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG22	18	0.11
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG23	18	0.11
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG11	18	0.11
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG12	18	0.11
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG13	18	0.11
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG21	18	0.11
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG22	18	0.11
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG23	18	0.11
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG11	19	0.11
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG12	19	0.11
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG13	19	0.11
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG21	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG22	19	0.11
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG23	19	0.11
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG11	19	0.11
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG12	19	0.11
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG13	19	0.11
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG21	19	0.11
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG22	19	0.11
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG23	19	0.11
(1,2799)	1:4:A:THR:HG21	1:36:A:GLN:HG2	2	0.11
(1,2799)	1:4:A:THR:HG21	1:36:A:GLN:HG3	2	0.11
(1,2799)	1:4:A:THR:HG22	1:36:A:GLN:HG2	2	0.11
(1,2799)	1:4:A:THR:HG22	1:36:A:GLN:HG3	2	0.11
(1,2799)	1:4:A:THR:HG23	1:36:A:GLN:HG2	2	0.11
(1,2799)	1:4:A:THR:HG23	1:36:A:GLN:HG3	2	0.11
(1,2790)	1:9:A:THR:HA	1:34:A:LEU:HG	7	0.11
(1,2771)	1:99:A:VAL:H	1:139:A:ALA:HA	4	0.11
(1,2771)	1:99:A:VAL:H	1:139:A:ALA:HA	5	0.11
(1,2771)	1:99:A:VAL:H	1:139:A:ALA:HA	6	0.11
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB1	9	0.11
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB2	9	0.11
(1,2736)	1:94:A:GLY:HA2	1:147:A:ALA:HB3	9	0.11
(1,2726)	1:89:A:GLN:HG2	1:90:A:SER:H	2	0.11
(1,2726)	1:89:A:GLN:HG3	1:90:A:SER:H	2	0.11
(1,2726)	1:89:A:GLN:HG2	1:90:A:SER:H	14	0.11
(1,2726)	1:89:A:GLN:HG3	1:90:A:SER:H	14	0.11
(1,2717)	1:88:A:LEU:HD21	1:89:A:GLN:H	8	0.11
(1,2717)	1:88:A:LEU:HD22	1:89:A:GLN:H	8	0.11
(1,2717)	1:88:A:LEU:HD23	1:89:A:GLN:H	8	0.11
(1,2717)	1:88:A:LEU:HD21	1:89:A:GLN:H	10	0.11
(1,2717)	1:88:A:LEU:HD22	1:89:A:GLN:H	10	0.11
(1,2717)	1:88:A:LEU:HD23	1:89:A:GLN:H	10	0.11
(1,2712)	1:88:A:LEU:HG	1:100:A:GLY:HA2	12	0.11
(1,2693)	1:86:A:LEU:HA	1:113:A:LEU:HB2	20	0.11
(1,2618)	1:77:A:ALA:H	1:79:A:ASP:H	9	0.11
(1,2560)	1:70:A:ALA:HB1	1:118:A:PHE:H	9	0.11
(1,2560)	1:70:A:ALA:HB2	1:118:A:PHE:H	9	0.11
(1,2560)	1:70:A:ALA:HB3	1:118:A:PHE:H	9	0.11
(1,2513)	1:63:A:THR:HA	1:65:A:VAL:H	12	0.11
(1,2508)	1:61:A:CYS:HB2	1:127:A:GLY:H	12	0.11
(1,2452)	1:53:A:GLY:H	1:134:A:GLN:HA	6	0.11
(1,2452)	1:53:A:GLY:H	1:134:A:GLN:HA	15	0.11
(1,2408)	1:46:A:GLY:H	1:140:A:THR:HG21	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2408)	1:46:A:GLY:H	1:140:A:THR:HG22	14	0.11
(1,2408)	1:46:A:GLY:H	1:140:A:THR:HG23	14	0.11
(1,2384)	1:43:A:ALA:HA	1:142:A:ALA:H	18	0.11
(1,2382)	1:43:A:ALA:H	1:47:A:ALA:HA	12	0.11
(1,2357)	1:3:A:THR:HB	1:4:A:THR:H	11	0.11
(1,2356)	1:3:A:THR:HB	1:145:A:PRO:HB3	12	0.11
(1,2355)	1:3:A:THR:HA	1:4:A:THR:HG21	19	0.11
(1,2355)	1:3:A:THR:HA	1:4:A:THR:HG22	19	0.11
(1,2355)	1:3:A:THR:HA	1:4:A:THR:HG23	19	0.11
(1,2335)	1:35:A:GLY:H	1:36:A:GLN:H	9	0.11
(1,2335)	1:35:A:GLY:H	1:36:A:GLN:H	15	0.11
(1,2316)	1:33:A:GLN:H	1:34:A:LEU:H	9	0.11
(1,2248)	1:21:A:CYS:HB2	1:22:A:ALA:H	10	0.11
(1,2219)	1:159:A:GLN:H	1:159:A:GLN:HG2	13	0.11
(1,2219)	1:159:A:GLN:H	1:159:A:GLN:HG3	13	0.11
(1,2178)	1:146:A:GLY:H	1:147:A:ALA:H	2	0.11
(1,2124)	1:130:A:THR:HB	1:131:A:ILE:H	5	0.11
(1,2124)	1:130:A:THR:HB	1:131:A:ILE:H	11	0.11
(1,2124)	1:130:A:THR:HB	1:131:A:ILE:H	17	0.11
(1,2104)	1:124:A:LEU:HD11	1:158:A:TYR:HE1	20	0.11
(1,2104)	1:124:A:LEU:HD11	1:158:A:TYR:HE2	20	0.11
(1,2104)	1:124:A:LEU:HD12	1:158:A:TYR:HE1	20	0.11
(1,2104)	1:124:A:LEU:HD12	1:158:A:TYR:HE2	20	0.11
(1,2104)	1:124:A:LEU:HD13	1:158:A:TYR:HE1	20	0.11
(1,2104)	1:124:A:LEU:HD13	1:158:A:TYR:HE2	20	0.11
(1,2104)	1:124:A:LEU:HD21	1:158:A:TYR:HE1	20	0.11
(1,2104)	1:124:A:LEU:HD21	1:158:A:TYR:HE2	20	0.11
(1,2104)	1:124:A:LEU:HD22	1:158:A:TYR:HE1	20	0.11
(1,2104)	1:124:A:LEU:HD22	1:158:A:TYR:HE2	20	0.11
(1,2104)	1:124:A:LEU:HD23	1:158:A:TYR:HE1	20	0.11
(1,2104)	1:124:A:LEU:HD23	1:158:A:TYR:HE2	20	0.11
(1,1968)	1:99:A:VAL:HG11	1:137:A:TYR:HD1	15	0.11
(1,1968)	1:99:A:VAL:HG11	1:137:A:TYR:HD2	15	0.11
(1,1968)	1:99:A:VAL:HG12	1:137:A:TYR:HD1	15	0.11
(1,1968)	1:99:A:VAL:HG12	1:137:A:TYR:HD2	15	0.11
(1,1968)	1:99:A:VAL:HG13	1:137:A:TYR:HD1	15	0.11
(1,1968)	1:99:A:VAL:HG13	1:137:A:TYR:HD2	15	0.11
(1,1964)	1:99:A:VAL:H	1:99:A:VAL:HB	9	0.11
(1,1964)	1:99:A:VAL:H	1:99:A:VAL:HB	10	0.11
(1,1964)	1:99:A:VAL:H	1:99:A:VAL:HB	20	0.11
(1,1945)	1:97:A:THR:H	1:143:A:ALA:HA	12	0.11
(1,1932)	1:91:A:SER:HA	1:92:A:ALA:HA	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1920)	1:89:A:GLN:HA	1:89:A:GLN:HE21	2	0.11
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB1	18	0.11
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB2	18	0.11
(1,1911)	1:86:A:LEU:HD21	1:150:A:ALA:HB3	18	0.11
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB1	18	0.11
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB2	18	0.11
(1,1911)	1:86:A:LEU:HD22	1:150:A:ALA:HB3	18	0.11
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB1	18	0.11
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB2	18	0.11
(1,1911)	1:86:A:LEU:HD23	1:150:A:ALA:HB3	18	0.11
(1,1881)	1:78:A:ILE:HG21	1:82:A:HIS:H	5	0.11
(1,1881)	1:78:A:ILE:HG22	1:82:A:HIS:H	5	0.11
(1,1881)	1:78:A:ILE:HG23	1:82:A:HIS:H	5	0.11
(1,1876)	1:78:A:ILE:HD11	1:140:A:THR:H	13	0.11
(1,1876)	1:78:A:ILE:HD12	1:140:A:THR:H	13	0.11
(1,1876)	1:78:A:ILE:HD13	1:140:A:THR:H	13	0.11
(1,1757)	1:52:A:VAL:HB	1:135:A:ALA:H	16	0.11
(1,1738)	1:49:A:SER:H	1:136:A:ARG:HA	3	0.11
(1,1708)	1:42:A:LEU:H	1:47:A:ALA:HB1	6	0.11
(1,1708)	1:42:A:LEU:H	1:47:A:ALA:HB2	6	0.11
(1,1708)	1:42:A:LEU:H	1:47:A:ALA:HB3	6	0.11
(1,1708)	1:42:A:LEU:H	1:47:A:ALA:HB1	19	0.11
(1,1708)	1:42:A:LEU:H	1:47:A:ALA:HB2	19	0.11
(1,1708)	1:42:A:LEU:H	1:47:A:ALA:HB3	19	0.11
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE1	2	0.11
(1,1670)	1:28:A:VAL:HG21	1:154:A:PHE:HE2	2	0.11
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE1	2	0.11
(1,1670)	1:28:A:VAL:HG22	1:154:A:PHE:HE2	2	0.11
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE1	2	0.11
(1,1670)	1:28:A:VAL:HG23	1:154:A:PHE:HE2	2	0.11
(1,1669)	1:28:A:VAL:HG11	1:29:A:ASP:HB3	17	0.11
(1,1669)	1:28:A:VAL:HG12	1:29:A:ASP:HB3	17	0.11
(1,1669)	1:28:A:VAL:HG13	1:29:A:ASP:HB3	17	0.11
(1,1601)	1:141:A:GLY:H	1:142:A:ALA:H	8	0.11
(1,1601)	1:141:A:GLY:H	1:142:A:ALA:H	19	0.11
(1,1546)	1:126:A:ASN:HB2	1:127:A:GLY:H	5	0.11
(1,1546)	1:126:A:ASN:HB2	1:127:A:GLY:H	14	0.11
(1,1425)	1:98:A:ASN:HD21	1:142:A:ALA:HA	8	0.11
(1,1421)	1:96:A:ALA:HB1	1:99:A:VAL:HB	1	0.11
(1,1421)	1:96:A:ALA:HB2	1:99:A:VAL:HB	1	0.11
(1,1421)	1:96:A:ALA:HB3	1:99:A:VAL:HB	1	0.11
(1,1421)	1:96:A:ALA:HB1	1:99:A:VAL:HB	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1421)	1:96:A:ALA:HB2	1:99:A:VAL:HB	7	0.11
(1,1421)	1:96:A:ALA:HB3	1:99:A:VAL:HB	7	0.11
(1,1415)	1:93:A:ALA:H	1:95:A:SER:H	12	0.11
(1,1398)	1:84:A:ASN:HB2	1:112:A:THR:HG21	2	0.11
(1,1398)	1:84:A:ASN:HB2	1:112:A:THR:HG22	2	0.11
(1,1398)	1:84:A:ASN:HB2	1:112:A:THR:HG23	2	0.11
(1,1378)	1:74:A:LEU:HG	1:153:A:THR:H	4	0.11
(1,1361)	1:72:A:ALA:HB1	1:111:A:LEU:HD21	17	0.11
(1,1361)	1:72:A:ALA:HB1	1:111:A:LEU:HD22	17	0.11
(1,1361)	1:72:A:ALA:HB1	1:111:A:LEU:HD23	17	0.11
(1,1361)	1:72:A:ALA:HB2	1:111:A:LEU:HD21	17	0.11
(1,1361)	1:72:A:ALA:HB2	1:111:A:LEU:HD22	17	0.11
(1,1361)	1:72:A:ALA:HB2	1:111:A:LEU:HD23	17	0.11
(1,1361)	1:72:A:ALA:HB3	1:111:A:LEU:HD21	17	0.11
(1,1361)	1:72:A:ALA:HB3	1:111:A:LEU:HD22	17	0.11
(1,1361)	1:72:A:ALA:HB3	1:111:A:LEU:HD23	17	0.11
(1,1309)	1:43:A:ALA:H	1:47:A:ALA:H	16	0.11
(1,1207)	1:11:A:HIS:HD2	1:12:A:PHE:H	1	0.11
(1,1166)	1:91:A:SER:HA	1:92:A:ALA:HB1	19	0.11
(1,1166)	1:91:A:SER:HA	1:92:A:ALA:HB2	19	0.11
(1,1166)	1:91:A:SER:HA	1:92:A:ALA:HB3	19	0.11
(1,1058)	1:12:A:PHE:HA	1:12:A:PHE:HE1	16	0.11
(1,1058)	1:12:A:PHE:HA	1:12:A:PHE:HE2	16	0.11
(1,1033)	1:104:A:LEU:H	1:136:A:ARG:H	14	0.11
(1,1022)	1:91:A:SER:H	1:94:A:GLY:H	1	0.11
(1,1013)	1:82:A:HIS:H	1:84:A:ASN:H	16	0.11
(1,998)	1:68:A:LYS:HB2	1:69:A:ALA:H	11	0.11
(1,970)	1:45:A:GLU:H	1:141:A:GLY:H	12	0.11
(1,970)	1:45:A:GLU:H	1:141:A:GLY:H	13	0.11
(1,909)	1:95:A:SER:HA	1:149:A:ASN:H	19	0.11
(1,879)	1:69:A:ALA:H	1:121:A:GLU:HB3	9	0.11
(1,859)	1:44:A:GLN:H	1:47:A:ALA:H	13	0.11
(1,792)	1:103:A:ILE:HD11	1:135:A:ALA:HA	9	0.11
(1,792)	1:103:A:ILE:HD12	1:135:A:ALA:HA	9	0.11
(1,792)	1:103:A:ILE:HD13	1:135:A:ALA:HA	9	0.11
(1,789)	1:101:A:VAL:HG21	1:137:A:TYR:HA	3	0.11
(1,789)	1:101:A:VAL:HG22	1:137:A:TYR:HA	3	0.11
(1,789)	1:101:A:VAL:HG23	1:137:A:TYR:HA	3	0.11
(1,775)	1:8:A:GLY:H	1:34:A:LEU:HA	9	0.11
(1,773)	1:86:A:LEU:HD21	1:151:A:ASP:H	8	0.11
(1,773)	1:86:A:LEU:HD22	1:151:A:ASP:H	8	0.11
(1,773)	1:86:A:LEU:HD23	1:151:A:ASP:H	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,773)	1:86:A:LEU:HD21	1:151:A:ASP:H	12	0.11
(1,773)	1:86:A:LEU:HD22	1:151:A:ASP:H	12	0.11
(1,773)	1:86:A:LEU:HD23	1:151:A:ASP:H	12	0.11
(1,770)	1:79:A:ASP:HB2	1:81:A:GLY:H	8	0.11
(1,721)	1:17:A:VAL:HG21	1:18:A:ASN:H	4	0.11
(1,721)	1:17:A:VAL:HG22	1:18:A:ASN:H	4	0.11
(1,721)	1:17:A:VAL:HG23	1:18:A:ASN:H	4	0.11
(1,721)	1:17:A:VAL:HG21	1:18:A:ASN:H	14	0.11
(1,721)	1:17:A:VAL:HG22	1:18:A:ASN:H	14	0.11
(1,721)	1:17:A:VAL:HG23	1:18:A:ASN:H	14	0.11
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG11	11	0.11
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG12	11	0.11
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG13	11	0.11
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG11	19	0.11
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG12	19	0.11
(1,720)	1:16:A:VAL:HA	1:17:A:VAL:HG13	19	0.11
(1,704)	1:122:A:THR:HG21	1:123:A:THR:H	3	0.11
(1,704)	1:122:A:THR:HG22	1:123:A:THR:H	3	0.11
(1,704)	1:122:A:THR:HG23	1:123:A:THR:H	3	0.11
(1,691)	1:109:A:ALA:H	1:110:A:ALA:HB1	4	0.11
(1,691)	1:109:A:ALA:H	1:110:A:ALA:HB2	4	0.11
(1,691)	1:109:A:ALA:H	1:110:A:ALA:HB3	4	0.11
(1,691)	1:109:A:ALA:H	1:110:A:ALA:HB1	15	0.11
(1,691)	1:109:A:ALA:H	1:110:A:ALA:HB2	15	0.11
(1,691)	1:109:A:ALA:H	1:110:A:ALA:HB3	15	0.11
(1,691)	1:109:A:ALA:H	1:110:A:ALA:HB1	18	0.11
(1,691)	1:109:A:ALA:H	1:110:A:ALA:HB2	18	0.11
(1,691)	1:109:A:ALA:H	1:110:A:ALA:HB3	18	0.11
(1,691)	1:109:A:ALA:H	1:110:A:ALA:HB1	19	0.11
(1,691)	1:109:A:ALA:H	1:110:A:ALA:HB2	19	0.11
(1,691)	1:109:A:ALA:H	1:110:A:ALA:HB3	19	0.11
(1,670)	1:70:A:ALA:HB1	1:121:A:GLU:HG2	16	0.11
(1,670)	1:70:A:ALA:HB2	1:121:A:GLU:HG2	16	0.11
(1,670)	1:70:A:ALA:HB3	1:121:A:GLU:HG2	16	0.11
(1,648)	1:19:A:ALA:H	1:22:A:ALA:HA	14	0.11
(1,632)	1:127:A:GLY:HA3	1:128:A:THR:HB	18	0.11
(1,590)	1:49:A:SER:H	1:136:A:ARG:HB3	13	0.11
(1,567)	1:136:A:ARG:HA	1:137:A:TYR:HE1	3	0.11
(1,567)	1:136:A:ARG:HA	1:137:A:TYR:HE2	3	0.11
(1,567)	1:136:A:ARG:HA	1:137:A:TYR:HE1	13	0.11
(1,567)	1:136:A:ARG:HA	1:137:A:TYR:HE2	13	0.11
(1,563)	1:123:A:THR:HB	1:124:A:LEU:HA	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,503)	1:54:A:PHE:H	1:55:A:ASN:H	1	0.11
(1,492)	1:17:A:VAL:HG21	1:19:A:ALA:H	8	0.11
(1,492)	1:17:A:VAL:HG22	1:19:A:ALA:H	8	0.11
(1,492)	1:17:A:VAL:HG23	1:19:A:ALA:H	8	0.11
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB1	2	0.11
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB2	2	0.11
(1,323)	1:95:A:SER:H	1:147:A:ALA:HB3	2	0.11
(1,288)	1:111:A:LEU:HD11	1:131:A:ILE:HG21	14	0.11
(1,288)	1:111:A:LEU:HD11	1:131:A:ILE:HG22	14	0.11
(1,288)	1:111:A:LEU:HD11	1:131:A:ILE:HG23	14	0.11
(1,288)	1:111:A:LEU:HD12	1:131:A:ILE:HG21	14	0.11
(1,288)	1:111:A:LEU:HD12	1:131:A:ILE:HG22	14	0.11
(1,288)	1:111:A:LEU:HD12	1:131:A:ILE:HG23	14	0.11
(1,288)	1:111:A:LEU:HD13	1:131:A:ILE:HG21	14	0.11
(1,288)	1:111:A:LEU:HD13	1:131:A:ILE:HG22	14	0.11
(1,288)	1:111:A:LEU:HD13	1:131:A:ILE:HG23	14	0.11
(1,265)	1:12:A:PHE:HA	1:13:A:LYS:HB2	19	0.11
(1,259)	1:101:A:VAL:HG11	1:138:A:PHE:H	6	0.11
(1,259)	1:101:A:VAL:HG12	1:138:A:PHE:H	6	0.11
(1,259)	1:101:A:VAL:HG13	1:138:A:PHE:H	6	0.11
(1,259)	1:101:A:VAL:HG11	1:138:A:PHE:H	19	0.11
(1,259)	1:101:A:VAL:HG12	1:138:A:PHE:H	19	0.11
(1,259)	1:101:A:VAL:HG13	1:138:A:PHE:H	19	0.11
(1,250)	1:158:A:TYR:HA	1:158:A:TYR:HE1	10	0.11
(1,250)	1:158:A:TYR:HA	1:158:A:TYR:HE2	10	0.11
(1,228)	1:18:A:ASN:HA	1:158:A:TYR:HE1	11	0.11
(1,228)	1:18:A:ASN:HA	1:158:A:TYR:HE2	11	0.11
(1,160)	1:10:A:VAL:HG11	1:12:A:PHE:HD1	6	0.11
(1,160)	1:10:A:VAL:HG11	1:12:A:PHE:HD2	6	0.11
(1,160)	1:10:A:VAL:HG12	1:12:A:PHE:HD1	6	0.11
(1,160)	1:10:A:VAL:HG12	1:12:A:PHE:HD2	6	0.11
(1,160)	1:10:A:VAL:HG13	1:12:A:PHE:HD1	6	0.11
(1,160)	1:10:A:VAL:HG13	1:12:A:PHE:HD2	6	0.11
(1,134)	1:21:A:CYS:HA	1:58:A:LEU:HB3	8	0.11
(1,95)	1:152:A:ALA:HB1	1:154:A:PHE:H	14	0.11
(1,95)	1:152:A:ALA:HB2	1:154:A:PHE:H	14	0.11
(1,95)	1:152:A:ALA:HB3	1:154:A:PHE:H	14	0.11
(1,81)	1:71:A:VAL:H	1:156:A:VAL:HG11	13	0.11
(1,81)	1:71:A:VAL:H	1:156:A:VAL:HG12	13	0.11
(1,81)	1:71:A:VAL:H	1:156:A:VAL:HG13	13	0.11
(1,69)	1:88:A:LEU:HA	1:149:A:ASN:HA	4	0.11
(1,69)	1:88:A:LEU:HA	1:149:A:ASN:HA	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,42)	1:156:A:VAL:HA	1:158:A:TYR:H	8	0.11
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG21	12	0.11
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG22	12	0.11
(1,35)	1:131:A:ILE:HD11	1:156:A:VAL:HG23	12	0.11
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG21	12	0.11
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG22	12	0.11
(1,35)	1:131:A:ILE:HD12	1:156:A:VAL:HG23	12	0.11
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG21	12	0.11
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG22	12	0.11
(1,35)	1:131:A:ILE:HD13	1:156:A:VAL:HG23	12	0.11
(1,3)	1:12:A:PHE:HZ	1:73:A:PHE:HZ	1	0.11
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD11	20	0.1
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD12	20	0.1
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD13	20	0.1
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD21	20	0.1
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD22	20	0.1
(1,3413)	1:103:A:ILE:H	1:104:A:LEU:HD23	20	0.1
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB1	15	0.1
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB2	15	0.1
(1,3354)	1:88:A:LEU:HD11	1:147:A:ALA:HB3	15	0.1
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB1	15	0.1
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB2	15	0.1
(1,3354)	1:88:A:LEU:HD12	1:147:A:ALA:HB3	15	0.1
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB1	15	0.1
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB2	15	0.1
(1,3354)	1:88:A:LEU:HD13	1:147:A:ALA:HB3	15	0.1
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB1	15	0.1
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB2	15	0.1
(1,3354)	1:88:A:LEU:HD21	1:147:A:ALA:HB3	15	0.1
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB1	15	0.1
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB2	15	0.1
(1,3354)	1:88:A:LEU:HD22	1:147:A:ALA:HB3	15	0.1
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB1	15	0.1
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB2	15	0.1
(1,3354)	1:88:A:LEU:HD23	1:147:A:ALA:HB3	15	0.1
(1,3283)	1:78:A:ILE:H	1:85:A:VAL:HG11	1	0.1
(1,3283)	1:78:A:ILE:H	1:85:A:VAL:HG12	1	0.1
(1,3283)	1:78:A:ILE:H	1:85:A:VAL:HG13	1	0.1
(1,3283)	1:78:A:ILE:H	1:85:A:VAL:HG21	1	0.1
(1,3283)	1:78:A:ILE:H	1:85:A:VAL:HG22	1	0.1
(1,3283)	1:78:A:ILE:H	1:85:A:VAL:HG23	1	0.1
(1,3283)	1:78:A:ILE:H	1:85:A:VAL:HG11	8	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3283)	1:78:A:ILE:H	1:85:A:VAL:HG12	8	0.1
(1,3283)	1:78:A:ILE:H	1:85:A:VAL:HG13	8	0.1
(1,3283)	1:78:A:ILE:H	1:85:A:VAL:HG21	8	0.1
(1,3283)	1:78:A:ILE:H	1:85:A:VAL:HG22	8	0.1
(1,3283)	1:78:A:ILE:H	1:85:A:VAL:HG23	8	0.1
(1,3139)	1:54:A:PHE:H	1:134:A:GLN:HG2	13	0.1
(1,3139)	1:54:A:PHE:H	1:134:A:GLN:HG3	13	0.1
(1,3131)	1:52:A:VAL:HG11	1:53:A:GLY:H	3	0.1
(1,3131)	1:52:A:VAL:HG12	1:53:A:GLY:H	3	0.1
(1,3131)	1:52:A:VAL:HG13	1:53:A:GLY:H	3	0.1
(1,3131)	1:52:A:VAL:HG21	1:53:A:GLY:H	3	0.1
(1,3131)	1:52:A:VAL:HG22	1:53:A:GLY:H	3	0.1
(1,3131)	1:52:A:VAL:HG23	1:53:A:GLY:H	3	0.1
(1,3131)	1:52:A:VAL:HG11	1:53:A:GLY:H	11	0.1
(1,3131)	1:52:A:VAL:HG12	1:53:A:GLY:H	11	0.1
(1,3131)	1:52:A:VAL:HG13	1:53:A:GLY:H	11	0.1
(1,3131)	1:52:A:VAL:HG21	1:53:A:GLY:H	11	0.1
(1,3131)	1:52:A:VAL:HG22	1:53:A:GLY:H	11	0.1
(1,3131)	1:52:A:VAL:HG23	1:53:A:GLY:H	11	0.1
(1,3106)	1:49:A:SER:HB2	1:50:A:SER:H	14	0.1
(1,3106)	1:49:A:SER:HB3	1:50:A:SER:H	14	0.1
(1,3081)	1:43:A:ALA:H	1:44:A:GLN:HE21	17	0.1
(1,3081)	1:43:A:ALA:H	1:44:A:GLN:HE22	17	0.1
(1,3065)	1:42:A:LEU:HD11	1:48:A:THR:HB	1	0.1
(1,3065)	1:42:A:LEU:HD12	1:48:A:THR:HB	1	0.1
(1,3065)	1:42:A:LEU:HD13	1:48:A:THR:HB	1	0.1
(1,3065)	1:42:A:LEU:HD21	1:48:A:THR:HB	1	0.1
(1,3065)	1:42:A:LEU:HD22	1:48:A:THR:HB	1	0.1
(1,3065)	1:42:A:LEU:HD23	1:48:A:THR:HB	1	0.1
(1,3033)	1:37:A:VAL:HB	1:42:A:LEU:HD11	16	0.1
(1,3033)	1:37:A:VAL:HB	1:42:A:LEU:HD12	16	0.1
(1,3033)	1:37:A:VAL:HB	1:42:A:LEU:HD13	16	0.1
(1,3033)	1:37:A:VAL:HB	1:42:A:LEU:HD21	16	0.1
(1,3033)	1:37:A:VAL:HB	1:42:A:LEU:HD22	16	0.1
(1,3033)	1:37:A:VAL:HB	1:42:A:LEU:HD23	16	0.1
(1,2982)	1:27:A:SER:HB2	1:56:A:ILE:HD11	7	0.1
(1,2982)	1:27:A:SER:HB2	1:56:A:ILE:HD12	7	0.1
(1,2982)	1:27:A:SER:HB2	1:56:A:ILE:HD13	7	0.1
(1,2982)	1:27:A:SER:HB3	1:56:A:ILE:HD11	7	0.1
(1,2982)	1:27:A:SER:HB3	1:56:A:ILE:HD12	7	0.1
(1,2982)	1:27:A:SER:HB3	1:56:A:ILE:HD13	7	0.1
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG11	16	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG12	16	0.1
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG13	16	0.1
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG21	16	0.1
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG22	16	0.1
(1,2935)	1:22:A:ALA:HB1	1:23:A:VAL:HG23	16	0.1
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG11	16	0.1
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG12	16	0.1
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG13	16	0.1
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG21	16	0.1
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG22	16	0.1
(1,2935)	1:22:A:ALA:HB2	1:23:A:VAL:HG23	16	0.1
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG11	16	0.1
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG12	16	0.1
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG13	16	0.1
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG21	16	0.1
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG22	16	0.1
(1,2935)	1:22:A:ALA:HB3	1:23:A:VAL:HG23	16	0.1
(1,2916)	1:18:A:ASN:H	1:18:A:ASN:HB2	10	0.1
(1,2916)	1:18:A:ASN:H	1:18:A:ASN:HB3	10	0.1
(1,2883)	1:14:A:GLY:HA2	1:28:A:VAL:HG11	11	0.1
(1,2883)	1:14:A:GLY:HA2	1:28:A:VAL:HG12	11	0.1
(1,2883)	1:14:A:GLY:HA2	1:28:A:VAL:HG13	11	0.1
(1,2883)	1:14:A:GLY:HA2	1:28:A:VAL:HG21	11	0.1
(1,2883)	1:14:A:GLY:HA2	1:28:A:VAL:HG22	11	0.1
(1,2883)	1:14:A:GLY:HA2	1:28:A:VAL:HG23	11	0.1
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG11	15	0.1
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG12	15	0.1
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG13	15	0.1
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG21	15	0.1
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG22	15	0.1
(1,2828)	1:7:A:GLY:HA2	1:37:A:VAL:HG23	15	0.1
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG11	15	0.1
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG12	15	0.1
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG13	15	0.1
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG21	15	0.1
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG22	15	0.1
(1,2828)	1:7:A:GLY:HA3	1:37:A:VAL:HG23	15	0.1
(1,2799)	1:4:A:THR:HG21	1:36:A:GLN:HG2	12	0.1
(1,2799)	1:4:A:THR:HG21	1:36:A:GLN:HG3	12	0.1
(1,2799)	1:4:A:THR:HG22	1:36:A:GLN:HG2	12	0.1
(1,2799)	1:4:A:THR:HG22	1:36:A:GLN:HG3	12	0.1
(1,2799)	1:4:A:THR:HG23	1:36:A:GLN:HG2	12	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2799)	1:4:A:THR:HG23	1:36:A:GLN:HG3	12	0.1
(1,2793)	1:9:A:THR:HG21	1:33:A:GLN:H	15	0.1
(1,2793)	1:9:A:THR:HG22	1:33:A:GLN:H	15	0.1
(1,2793)	1:9:A:THR:HG23	1:33:A:GLN:H	15	0.1
(1,2771)	1:99:A:VAL:H	1:139:A:ALA:HA	3	0.1
(1,2742)	1:96:A:ALA:HA	1:144:A:THR:H	2	0.1
(1,2717)	1:88:A:LEU:HD21	1:89:A:GLN:H	4	0.1
(1,2717)	1:88:A:LEU:HD22	1:89:A:GLN:H	4	0.1
(1,2717)	1:88:A:LEU:HD23	1:89:A:GLN:H	4	0.1
(1,2717)	1:88:A:LEU:HD21	1:89:A:GLN:H	20	0.1
(1,2717)	1:88:A:LEU:HD22	1:89:A:GLN:H	20	0.1
(1,2717)	1:88:A:LEU:HD23	1:89:A:GLN:H	20	0.1
(1,2578)	1:72:A:ALA:H	1:157:A:GLN:H	18	0.1
(1,2560)	1:70:A:ALA:HB1	1:118:A:PHE:H	11	0.1
(1,2560)	1:70:A:ALA:HB2	1:118:A:PHE:H	11	0.1
(1,2560)	1:70:A:ALA:HB3	1:118:A:PHE:H	11	0.1
(1,2453)	1:53:A:GLY:H	1:54:A:PHE:H	8	0.1
(1,2439)	1:51:A:ALA:HA	1:135:A:ALA:H	12	0.1
(1,2420)	1:48:A:THR:HG21	1:139:A:ALA:H	20	0.1
(1,2420)	1:48:A:THR:HG22	1:139:A:ALA:H	20	0.1
(1,2420)	1:48:A:THR:HG23	1:139:A:ALA:H	20	0.1
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG21	6	0.1
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG22	6	0.1
(1,2358)	1:3:A:THR:HB	1:4:A:THR:HG23	6	0.1
(1,2355)	1:3:A:THR:HA	1:4:A:THR:HG21	4	0.1
(1,2355)	1:3:A:THR:HA	1:4:A:THR:HG22	4	0.1
(1,2355)	1:3:A:THR:HA	1:4:A:THR:HG23	4	0.1
(1,2335)	1:35:A:GLY:H	1:36:A:GLN:H	6	0.1
(1,2335)	1:35:A:GLY:H	1:36:A:GLN:H	17	0.1
(1,2328)	1:34:A:LEU:HG	1:35:A:GLY:H	19	0.1
(1,2180)	1:147:A:ALA:H	1:148:A:ALA:H	12	0.1
(1,2104)	1:124:A:LEU:HD11	1:158:A:TYR:HE1	8	0.1
(1,2104)	1:124:A:LEU:HD11	1:158:A:TYR:HE2	8	0.1
(1,2104)	1:124:A:LEU:HD12	1:158:A:TYR:HE1	8	0.1
(1,2104)	1:124:A:LEU:HD12	1:158:A:TYR:HE2	8	0.1
(1,2104)	1:124:A:LEU:HD13	1:158:A:TYR:HE1	8	0.1
(1,2104)	1:124:A:LEU:HD13	1:158:A:TYR:HE2	8	0.1
(1,2104)	1:124:A:LEU:HD21	1:158:A:TYR:HE1	8	0.1
(1,2104)	1:124:A:LEU:HD21	1:158:A:TYR:HE2	8	0.1
(1,2104)	1:124:A:LEU:HD22	1:158:A:TYR:HE1	8	0.1
(1,2104)	1:124:A:LEU:HD22	1:158:A:TYR:HE2	8	0.1
(1,2104)	1:124:A:LEU:HD23	1:158:A:TYR:HE1	8	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2104)	1:124:A:LEU:HD23	1:158:A:TYR:HE2	8	0.1
(1,1981)	1:100:A:GLY:H	1:139:A:ALA:HA	18	0.1
(1,1946)	1:97:A:THR:H	1:143:A:ALA:HB1	7	0.1
(1,1946)	1:97:A:THR:H	1:143:A:ALA:HB2	7	0.1
(1,1946)	1:97:A:THR:H	1:143:A:ALA:HB3	7	0.1
(1,1932)	1:91:A:SER:HA	1:92:A:ALA:HA	3	0.1
(1,1920)	1:89:A:GLN:HA	1:89:A:GLN:HE21	3	0.1
(1,1919)	1:89:A:GLN:H	1:90:A:SER:HA	8	0.1
(1,1918)	1:89:A:GLN:H	1:148:A:ALA:HA	16	0.1
(1,1763)	1:56:A:ILE:H	1:131:A:ILE:HG21	5	0.1
(1,1763)	1:56:A:ILE:H	1:131:A:ILE:HG22	5	0.1
(1,1763)	1:56:A:ILE:H	1:131:A:ILE:HG23	5	0.1
(1,1763)	1:56:A:ILE:H	1:131:A:ILE:HG21	13	0.1
(1,1763)	1:56:A:ILE:H	1:131:A:ILE:HG22	13	0.1
(1,1763)	1:56:A:ILE:H	1:131:A:ILE:HG23	13	0.1
(1,1708)	1:42:A:LEU:H	1:47:A:ALA:HB1	4	0.1
(1,1708)	1:42:A:LEU:H	1:47:A:ALA:HB2	4	0.1
(1,1708)	1:42:A:LEU:H	1:47:A:ALA:HB3	4	0.1
(1,1656)	1:24:A:ASP:HA	1:26:A:GLY:H	7	0.1
(1,1378)	1:74:A:LEU:HG	1:153:A:THR:H	8	0.1
(1,1349)	1:67:A:SER:HA	1:123:A:THR:HA	18	0.1
(1,1309)	1:43:A:ALA:H	1:47:A:ALA:H	2	0.1
(1,1308)	1:43:A:ALA:H	1:139:A:ALA:HB1	13	0.1
(1,1308)	1:43:A:ALA:H	1:139:A:ALA:HB2	13	0.1
(1,1308)	1:43:A:ALA:H	1:139:A:ALA:HB3	13	0.1
(1,1296)	1:39:A:THR:HA	1:144:A:THR:HA	6	0.1
(1,1296)	1:39:A:THR:HA	1:144:A:THR:HA	9	0.1
(1,1280)	1:27:A:SER:H	1:28:A:VAL:HB	13	0.1
(1,1280)	1:27:A:SER:H	1:28:A:VAL:HB	19	0.1
(1,1207)	1:11:A:HIS:HD2	1:12:A:PHE:H	3	0.1
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG21	12	0.1
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG22	12	0.1
(1,1170)	1:97:A:THR:H	1:97:A:THR:HG23	12	0.1
(1,788)	1:101:A:VAL:H	1:150:A:ALA:HB1	4	0.1
(1,788)	1:101:A:VAL:H	1:150:A:ALA:HB2	4	0.1
(1,788)	1:101:A:VAL:H	1:150:A:ALA:HB3	4	0.1
(1,770)	1:79:A:ASP:HB2	1:81:A:GLY:H	19	0.1
(1,704)	1:122:A:THR:HG21	1:123:A:THR:H	16	0.1
(1,704)	1:122:A:THR:HG22	1:123:A:THR:H	16	0.1
(1,704)	1:122:A:THR:HG23	1:123:A:THR:H	16	0.1
(1,704)	1:122:A:THR:HG21	1:123:A:THR:H	18	0.1
(1,704)	1:122:A:THR:HG22	1:123:A:THR:H	18	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,704)	1:122:A:THR:HG23	1:123:A:THR:H	18	0.1
(1,683)	1:9:A:THR:H	1:149:A:ASN:H	18	0.1
(1,632)	1:127:A:GLY:HA3	1:128:A:THR:HB	16	0.1
(1,503)	1:54:A:PHE:H	1:55:A:ASN:H	14	0.1
(1,475)	1:102:A:GLN:HB3	1:136:A:ARG:HG2	18	0.1
(1,475)	1:102:A:GLN:HB3	1:136:A:ARG:HG3	18	0.1
(1,469)	1:85:A:VAL:H	1:113:A:LEU:HD11	18	0.1
(1,469)	1:85:A:VAL:H	1:113:A:LEU:HD12	18	0.1
(1,469)	1:85:A:VAL:H	1:113:A:LEU:HD13	18	0.1
(1,469)	1:85:A:VAL:H	1:113:A:LEU:HD21	18	0.1
(1,469)	1:85:A:VAL:H	1:113:A:LEU:HD22	18	0.1
(1,469)	1:85:A:VAL:H	1:113:A:LEU:HD23	18	0.1
(1,431)	1:96:A:ALA:HB1	1:147:A:ALA:HB1	14	0.1
(1,431)	1:96:A:ALA:HB1	1:147:A:ALA:HB2	14	0.1
(1,431)	1:96:A:ALA:HB1	1:147:A:ALA:HB3	14	0.1
(1,431)	1:96:A:ALA:HB2	1:147:A:ALA:HB1	14	0.1
(1,431)	1:96:A:ALA:HB2	1:147:A:ALA:HB2	14	0.1
(1,431)	1:96:A:ALA:HB2	1:147:A:ALA:HB3	14	0.1
(1,431)	1:96:A:ALA:HB3	1:147:A:ALA:HB1	14	0.1
(1,431)	1:96:A:ALA:HB3	1:147:A:ALA:HB2	14	0.1
(1,431)	1:96:A:ALA:HB3	1:147:A:ALA:HB3	14	0.1
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG21	20	0.1
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG22	20	0.1
(1,417)	1:4:A:THR:HG21	1:39:A:THR:HG23	20	0.1
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG21	20	0.1
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG22	20	0.1
(1,417)	1:4:A:THR:HG22	1:39:A:THR:HG23	20	0.1
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG21	20	0.1
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG22	20	0.1
(1,417)	1:4:A:THR:HG23	1:39:A:THR:HG23	20	0.1
(1,345)	1:82:A:HIS:HA	1:83:A:THR:HG21	10	0.1
(1,345)	1:82:A:HIS:HA	1:83:A:THR:HG22	10	0.1
(1,345)	1:82:A:HIS:HA	1:83:A:THR:HG23	10	0.1
(1,334)	1:16:A:VAL:HG11	1:23:A:VAL:HB	13	0.1
(1,334)	1:16:A:VAL:HG12	1:23:A:VAL:HB	13	0.1
(1,334)	1:16:A:VAL:HG13	1:23:A:VAL:HB	13	0.1
(1,334)	1:16:A:VAL:HG21	1:23:A:VAL:HB	13	0.1
(1,334)	1:16:A:VAL:HG22	1:23:A:VAL:HB	13	0.1
(1,334)	1:16:A:VAL:HG23	1:23:A:VAL:HB	13	0.1
(1,252)	1:22:A:ALA:H	1:58:A:LEU:HD11	6	0.1
(1,252)	1:22:A:ALA:H	1:58:A:LEU:HD12	6	0.1
(1,252)	1:22:A:ALA:H	1:58:A:LEU:HD13	6	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG21	12	0.1
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG22	12	0.1
(1,164)	1:23:A:VAL:HB	1:56:A:ILE:HG23	12	0.1
(1,136)	1:72:A:ALA:HB1	1:117:A:THR:HG21	10	0.1
(1,136)	1:72:A:ALA:HB1	1:117:A:THR:HG22	10	0.1
(1,136)	1:72:A:ALA:HB1	1:117:A:THR:HG23	10	0.1
(1,136)	1:72:A:ALA:HB2	1:117:A:THR:HG21	10	0.1
(1,136)	1:72:A:ALA:HB2	1:117:A:THR:HG22	10	0.1
(1,136)	1:72:A:ALA:HB2	1:117:A:THR:HG23	10	0.1
(1,136)	1:72:A:ALA:HB3	1:117:A:THR:HG21	10	0.1
(1,136)	1:72:A:ALA:HB3	1:117:A:THR:HG22	10	0.1
(1,136)	1:72:A:ALA:HB3	1:117:A:THR:HG23	10	0.1
(1,126)	1:74:A:LEU:HB3	1:75:A:GLY:HA3	20	0.1
(1,99)	1:61:A:CYS:H	1:128:A:THR:H	9	0.1
(1,95)	1:152:A:ALA:HB1	1:154:A:PHE:H	13	0.1
(1,95)	1:152:A:ALA:HB2	1:154:A:PHE:H	13	0.1
(1,95)	1:152:A:ALA:HB3	1:154:A:PHE:H	13	0.1
(1,81)	1:71:A:VAL:H	1:156:A:VAL:HG11	19	0.1
(1,81)	1:71:A:VAL:H	1:156:A:VAL:HG12	19	0.1
(1,81)	1:71:A:VAL:H	1:156:A:VAL:HG13	19	0.1
(1,77)	1:78:A:ILE:HG21	1:85:A:VAL:HA	15	0.1
(1,77)	1:78:A:ILE:HG22	1:85:A:VAL:HA	15	0.1
(1,77)	1:78:A:ILE:HG23	1:85:A:VAL:HA	15	0.1
(1,48)	1:150:A:ALA:HB1	1:152:A:ALA:HA	10	0.1
(1,48)	1:150:A:ALA:HB2	1:152:A:ALA:HA	10	0.1
(1,48)	1:150:A:ALA:HB3	1:152:A:ALA:HA	10	0.1
(1,3)	1:12:A:PHE:HZ	1:73:A:PHE:HZ	16	0.1

10 Dihedral-angle violation analysis (i)

No dihedral-angle restraints found