



Full wwPDB NMR Structure Validation Report ⓘ

Dec 25, 2024 – 01:44 PM EST

PDB ID : 6Q2Z
BMRB ID : 34334
Title : NMR solution structure of the HVO_2922 protein from *Haloferax volcanii*
Authors : Kubatova, N.; Jonker, H.R.A.; Saxena, K.; Richter, C.; Marchfelder, A.;
Schwalbe, H.
Deposited on : 2018-12-03

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

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

A user guide is available at

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

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

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

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

MolProbity : 4.02b-467
Percentile statistics : 20231227.v01 (using entries in the PDB archive December 27th 2023)
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) : 2.40

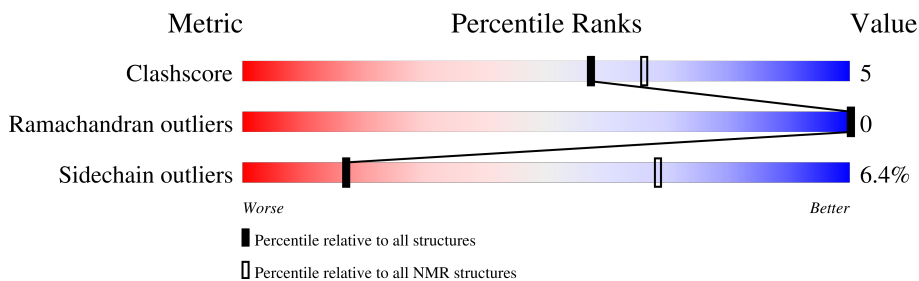
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLUTION NMR

The overall completeness of chemical shifts assignment is 43%.

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	210492	14027
Ramachandran outliers	207382	12486
Sidechain outliers	206894	12463

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

Mol	Chain	Length	Quality of chain
1	A	60	87% 7% • 5%
1	B	60	90% 7% • •

2 Ensemble composition and analysis

This entry contains 20 models. Model 1 is the overall representative, medoid model (most similar to other models).

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:102-A:158, B:202-B:260 (116)	0.31	1

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 4 clusters and 4 single-model clusters were found.

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

3 Entry composition

There is only 1 type of molecule in this entry. The entry contains 1856 atoms, of which 914 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called UPF0339 family protein.

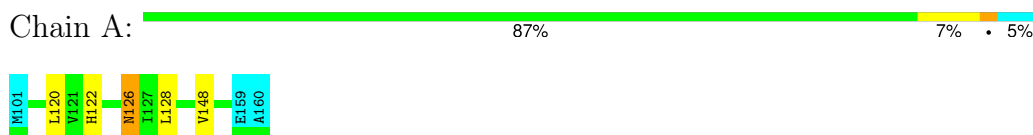
Mol	Chain	Residues	Atoms					Trace	
			Total	C	H	N	O		S
1	A	60	928	292	457	86	92	1	0
1	B	60	928	292	457	86	92	1	0

4 Residue-property plots

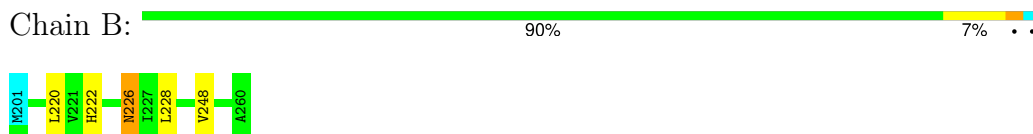
4.1 Average score per residue in the NMR ensemble

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: UPF0339 family protein



- Molecule 1: UPF0339 family protein

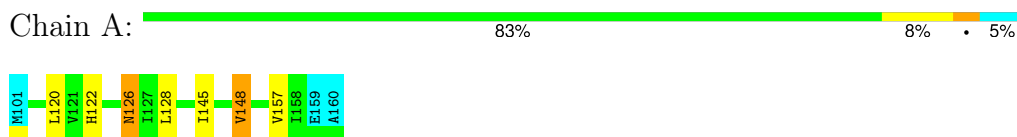


4.2 Scores per residue for each member of the ensemble

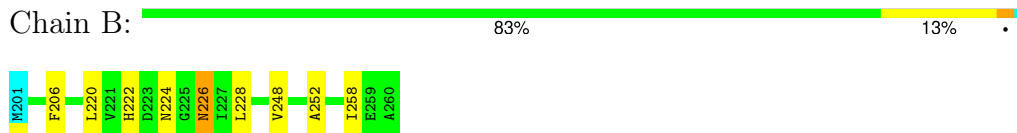
Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1 (medoid)

- Molecule 1: UPF0339 family protein

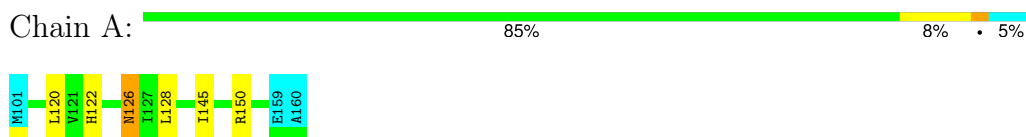


- Molecule 1: UPF0339 family protein

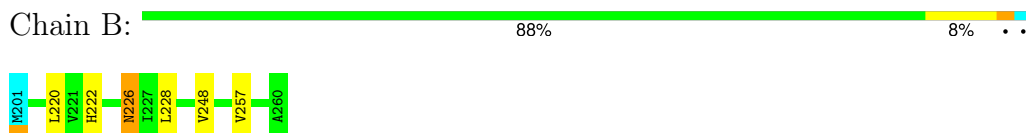


4.2.2 Score per residue for model 2

- Molecule 1: UPF0339 family protein

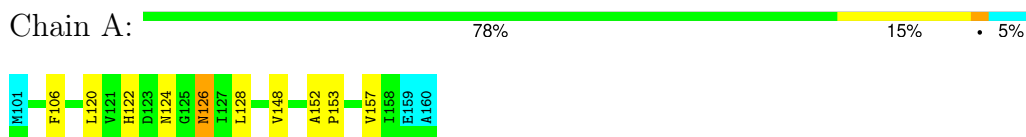


- Molecule 1: UPF0339 family protein

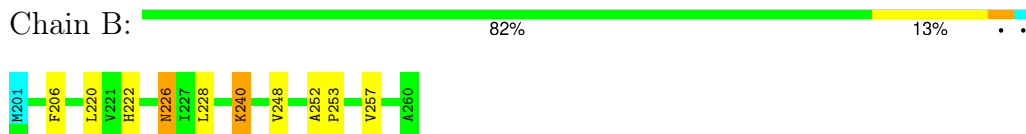


4.2.3 Score per residue for model 3

- Molecule 1: UPF0339 family protein

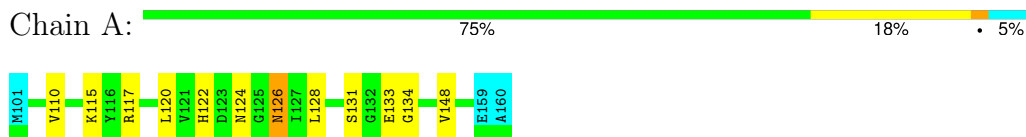


- Molecule 1: UPF0339 family protein

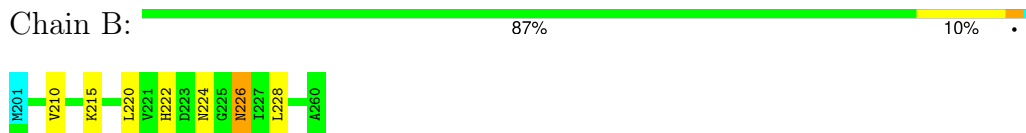


4.2.4 Score per residue for model 4

- Molecule 1: UPF0339 family protein

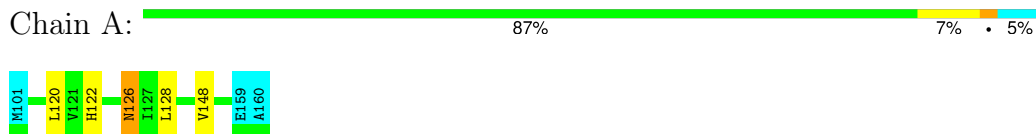


- Molecule 1: UPF0339 family protein

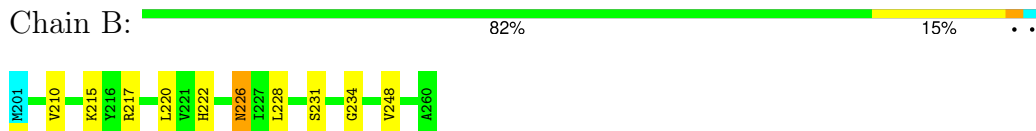


4.2.5 Score per residue for model 5

- Molecule 1: UPF0339 family protein

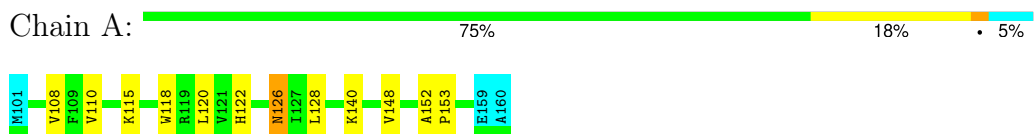


- Molecule 1: UPF0339 family protein

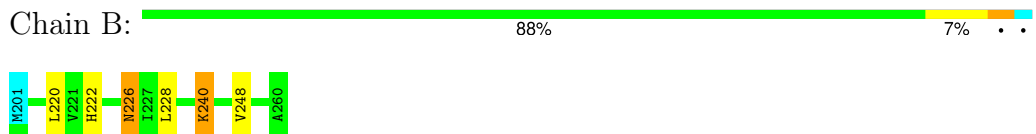


4.2.6 Score per residue for model 6

- Molecule 1: UPF0339 family protein

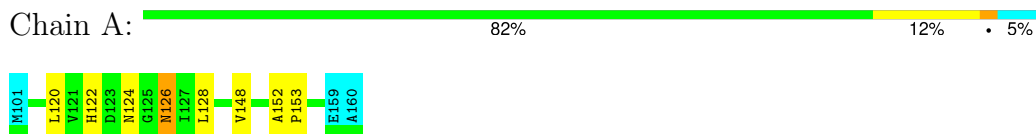


- Molecule 1: UPF0339 family protein

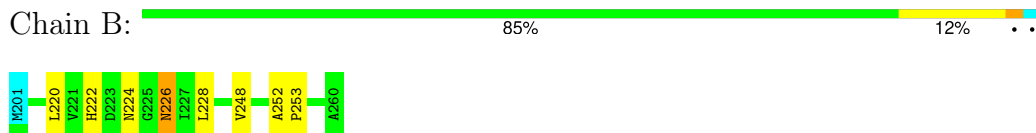


4.2.7 Score per residue for model 7

- Molecule 1: UPF0339 family protein




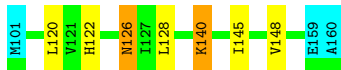
- Molecule 1: UPF0339 family protein




4.2.8 Score per residue for model 8

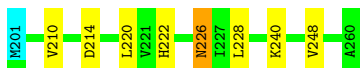
- Molecule 1: UPF0339 family protein

Chain A:  83% 8% 5%




- Molecule 1: UPF0339 family protein

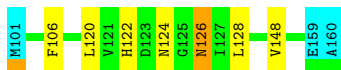
Chain B:  85% 12%




4.2.9 Score per residue for model 9

- Molecule 1: UPF0339 family protein

Chain A:  83% 10% 5%




- Molecule 1: UPF0339 family protein

Chain B:  85% 10%




4.2.10 Score per residue for model 10

- Molecule 1: UPF0339 family protein

Chain A:  85% 10% 5%




- Molecule 1: UPF0339 family protein

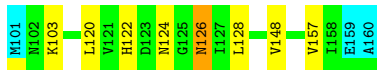
Chain B:  83% 13%




4.2.11 Score per residue for model 11

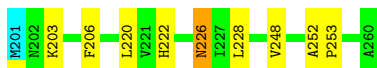
- Molecule 1: UPF0339 family protein

Chain A:  82% 12% • 5%




- Molecule 1: UPF0339 family protein

Chain B:  83% 13% • •




4.2.12 Score per residue for model 12

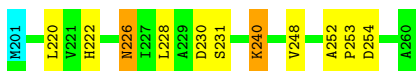
- Molecule 1: UPF0339 family protein

Chain A:  82% 12% • 5%



- Molecule 1: UPF0339 family protein

Chain B:  80% 15% • •




4.2.13 Score per residue for model 13

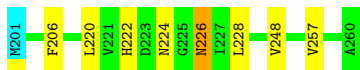
- Molecule 1: UPF0339 family protein

Chain A:  78% 15% • 5%




- Molecule 1: UPF0339 family protein

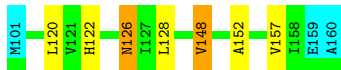
Chain B:  85% 12% • •




4.2.14 Score per residue for model 14

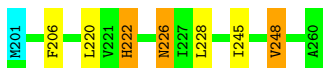
- Molecule 1: UPF0339 family protein

Chain A:  83% 8% 5%




- Molecule 1: UPF0339 family protein

Chain B:  87% 7% 5%




4.2.15 Score per residue for model 15

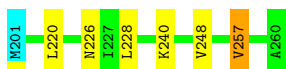
- Molecule 1: UPF0339 family protein

Chain A:  78% 13% 5%




- Molecule 1: UPF0339 family protein

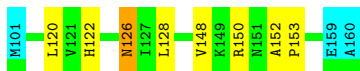
Chain B:  88% 8%




4.2.16 Score per residue for model 16

- Molecule 1: UPF0339 family protein

Chain A:  82% 12% 5%



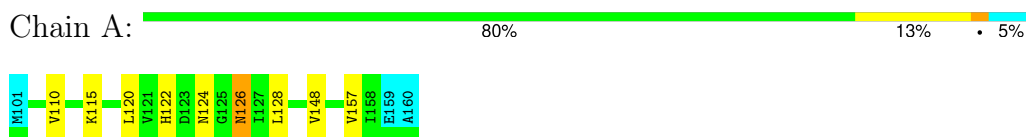
- Molecule 1: UPF0339 family protein

Chain B:  83% 13%

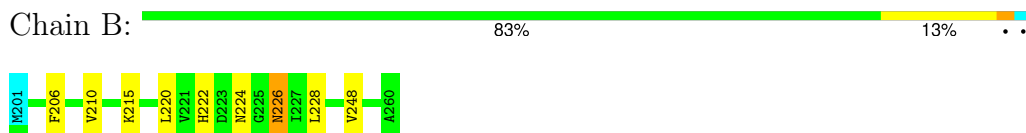


4.2.17 Score per residue for model 17

- Molecule 1: UPF0339 family protein

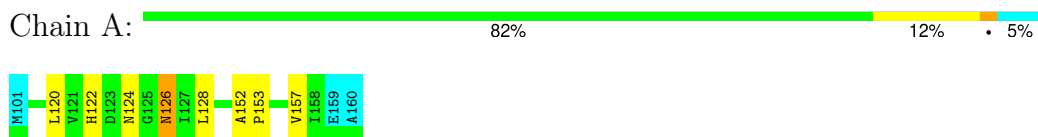


- Molecule 1: UPF0339 family protein

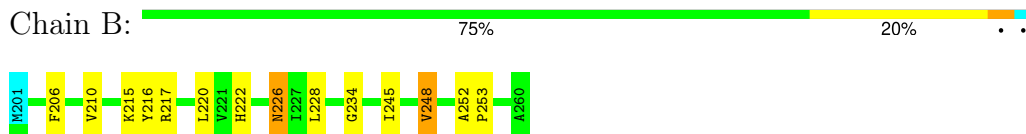


4.2.18 Score per residue for model 18

- Molecule 1: UPF0339 family protein

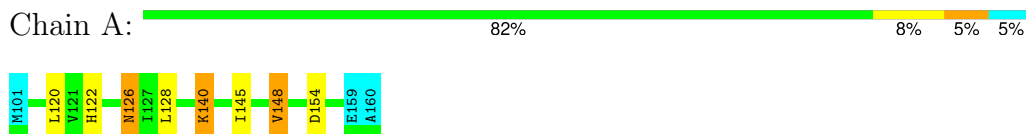


- Molecule 1: UPF0339 family protein

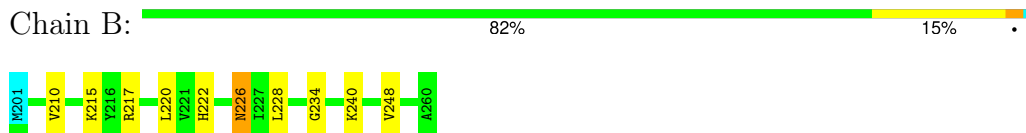


4.2.19 Score per residue for model 19

- Molecule 1: UPF0339 family protein




- Molecule 1: UPF0339 family protein




4.2.20 Score per residue for model 20

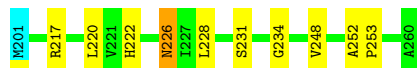
- Molecule 1: UPF0339 family protein

Chain A:  80% 13% • 5%



- Molecule 1: UPF0339 family protein

Chain B:  82% 15% • •



5 Refinement protocol and experimental data overview

The models were refined using the following method: *simulated annealing with torsion angle dynamics, cartesian angle dynamics, molecular dynamics*.

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

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

Software name	Classification	Version
CYANA	structure calculation	3.97
CNS	structure calculation	1.1
ARIA	refinement	1.2 HJ

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	697
Number of shifts mapped to atoms	697
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	43%

6 Model quality i

6.1 Standard geometry i

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

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts i

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	448	435	433	4±1
1	B	463	446	444	4±2
All	All	18220	17620	17540	164

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 5.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:120:LEU:HG	1:A:128:LEU:HD12	0.55	1.79	2	20
1:B:220:LEU:HG	1:B:228:LEU:HD12	0.54	1.79	16	20
1:A:122:HIS:CB	1:A:126:ASN:HD21	0.53	2.16	4	19
1:B:222:HIS:CB	1:B:226:ASN:HD21	0.51	2.18	13	19
1:A:117:ARG:HD3	1:A:134:GLY:HA2	0.47	1.86	4	1
1:B:217:ARG:HD3	1:B:234:GLY:HA2	0.47	1.87	20	4
1:A:117:ARG:CD	1:A:134:GLY:HA2	0.45	2.41	4	1
1:B:217:ARG:CD	1:B:234:GLY:HA2	0.45	2.41	20	4
1:A:145:ILE:HG21	1:B:257:VAL:HG22	0.45	1.89	2	1
1:A:157:VAL:HA	1:B:206:PHE:HB2	0.44	1.90	13	7
1:B:230:ASP:OD1	1:B:231:SER:N	0.44	2.51	12	2
1:B:240:LYS:HA	1:B:240:LYS:HE3	0.44	1.90	8	4
1:A:122:HIS:HB2	1:A:126:ASN:HD21	0.43	1.71	1	6

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:140:LYS:HA	1:A:140:LYS:HE3	0.43	1.89	8	2
1:B:210:VAL:HA	1:B:215:LYS:O	0.43	2.13	18	5
1:A:106:PHE:HB2	1:B:257:VAL:HA	0.43	1.89	9	4
1:B:222:HIS:HB2	1:B:226:ASN:HD21	0.43	1.71	9	2
1:A:117:ARG:NH2	1:A:131:SER:HB2	0.43	2.29	4	1
1:B:252:ALA:N	1:B:253:PRO:HD2	0.43	2.29	7	7
1:A:122:HIS:CB	1:A:126:ASN:ND2	0.43	2.82	4	4
1:A:152:ALA:N	1:A:153:PRO:HD2	0.43	2.29	3	8
1:A:140:LYS:HE2	1:A:140:LYS:HA	0.43	1.91	15	1
1:A:117:ARG:NH2	1:A:133:GLU:HB2	0.43	2.29	4	1
1:B:217:ARG:NH2	1:B:231:SER:HB2	0.42	2.30	5	2
1:A:145:ILE:O	1:A:148:VAL:HG12	0.41	2.15	8	3
1:B:248:VAL:HG22	1:B:252:ALA:HB2	0.41	1.91	1	1
1:A:110:VAL:HA	1:A:115:LYS:O	0.41	2.15	6	4
1:A:108:VAL:HG22	1:A:118:TRP:HB3	0.41	1.93	6	1
1:B:245:ILE:O	1:B:248:VAL:HG12	0.41	2.15	18	3
1:B:210:VAL:HG13	1:B:214:ASP:HA	0.41	1.93	8	1
1:B:216:TYR:O	1:B:217:ARG:NH1	0.40	2.55	18	1
1:B:240:LYS:HE2	1:B:240:LYS:HA	0.40	1.93	6	1
1:B:222:HIS:CB	1:B:226:ASN:ND2	0.40	2.84	13	1
1:A:122:HIS:HB2	1:A:126:ASN:ND2	0.40	2.32	5	1
1:B:222:HIS:HB2	1:B:226:ASN:ND2	0.40	2.32	9	1
1:A:148:VAL:HG22	1:A:152:ALA:HB2	0.40	1.93	14	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	57/60 (95%)	55±1 (96±1%)	2±1 (4±1%)	0±0 (0±0%)	100	100
1	B	58/60 (97%)	56±1 (97±1%)	2±1 (3±1%)	0±0 (0±0%)	100	100
All	All	2300/2400 (96%)	2220 (97%)	80 (3%)	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	45/47 (96%)	42±1 (93±2%)	3±1 (7±2%)	16	67
1	B	46/47 (98%)	43±1 (94±2%)	3±1 (6±2%)	18	69
All	All	1820/1880 (97%)	1704 (94%)	116 (6%)	17	68

All 17 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	126	ASN	20
1	B	226	ASN	20
1	B	248	VAL	18
1	A	148	VAL	17
1	A	124	ASN	9
1	A	140	LYS	7
1	B	224	ASN	5
1	B	240	LYS	5
1	B	254	ASP	3
1	A	150	ARG	2
1	A	103	LYS	2
1	B	257	VAL	2
1	A	154	ASP	2
1	B	258	ILE	1
1	B	203	LYS	1
1	B	222	HIS	1
1	B	250	ARG	1

6.3.3 RNA [i](#)

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

6.6 Ligand geometry [i](#)

There are no ligands in this entry.

6.7 Other polymers [i](#)

There are no such molecules in this entry.

6.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

7 Chemical shift validation [i](#)

The completeness of assignment taking into account all chemical shift lists is 43% for the well-defined parts and 44% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *NinaP17-bmrb.tbl*

7.1.1 Bookkeeping [i](#)

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	697
Number of shifts mapped to atoms	697
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 [i](#)

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction \pm precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	60	-0.61 ± 0.20	Should be applied
$^{13}\text{C}_\beta$	55	-0.06 ± 0.31	None needed (< 0.5 ppm)
$^{13}\text{C}'$	55	-0.21 ± 0.16	None needed (< 0.5 ppm)
^{15}N	56	0.66 ± 0.52	None needed (imprecise)

7.1.3 Completeness of resonance assignments [i](#)

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 43%, i.e. 667 atoms were assigned a chemical shift out of a possible 1549. 0 out of 14 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	280/584 (48%)	115/238 (48%)	111/232 (48%)	54/114 (47%)
Sidechain	363/833 (44%)	248/533 (47%)	109/258 (42%)	6/42 (14%)

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	Total	¹ H	¹³ C	¹⁵ N
Aromatic	24/132 (18%)	17/64 (27%)	6/58 (10%)	1/10 (10%)
Overall	667/1549 (43%)	380/835 (46%)	226/548 (41%)	61/166 (37%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 44%, i.e. 697 atoms were assigned a chemical shift out of a possible 1600. 0 out of 14 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹ H	¹³ C	¹⁵ N
Backbone	291/604 (48%)	120/246 (49%)	115/240 (48%)	56/118 (47%)
Sidechain	382/864 (44%)	262/554 (47%)	114/268 (43%)	6/42 (14%)
Aromatic	24/132 (18%)	17/64 (27%)	6/58 (10%)	1/10 (10%)
Overall	697/1600 (44%)	399/864 (46%)	235/566 (42%)	63/170 (37%)

7.1.4 Statistically unusual chemical shifts [i](#)

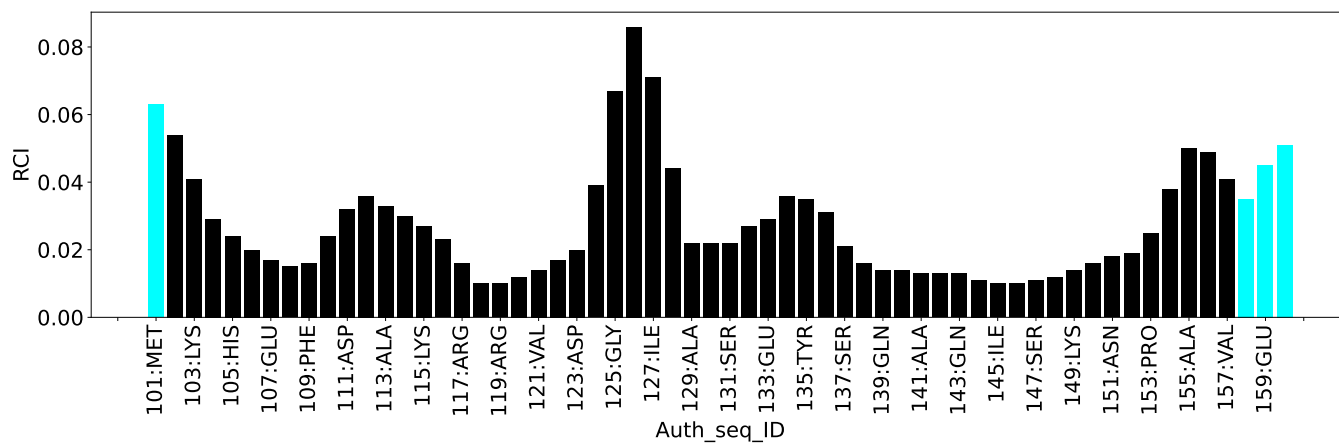
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, ppm	Expected range, ppm	Z-score
1	A	145	ILE	HG21	-0.78	-0.56 – 2.11	-5.8
1	A	145	ILE	HG22	-0.78	-0.56 – 2.11	-5.8
1	A	145	ILE	HG23	-0.78	-0.56 – 2.11	-5.8
1	A	117	ARG	HB3	0.35	0.43 – 3.11	-5.3

7.1.5 Random Coil Index (RCI) plots [i](#)

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

Random coil index (RCI) for chain A:



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	2436
Intra-residue ($ i-j =0$)	504
Sequential ($ i-j =1$)	632
Medium range ($ i-j >1$ and $ i-j <5$)	412
Long range ($ i-j \geq 5$)	484
Inter-chain	308
Hydrogen bond restraints	96
Disulfide bond restraints	0
Total dihedral-angle restraints	220
Number of unmapped restraints	0
Number of restraints per residue	22.1
Number of long range restraints per residue ¹	4.3

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	71.5	0.2
0.2-0.5 (Medium)	84.7	0.5
>0.5 (Large)	189.2	3.09

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

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

Bins (°)	Average number of violations per model	Max (°)
1.0-10.0 (Small)	8.4	9.98
10.0-20.0 (Medium)	0.8	13.64
>20.0 (Large)	None	None

9 Distance violation analysis

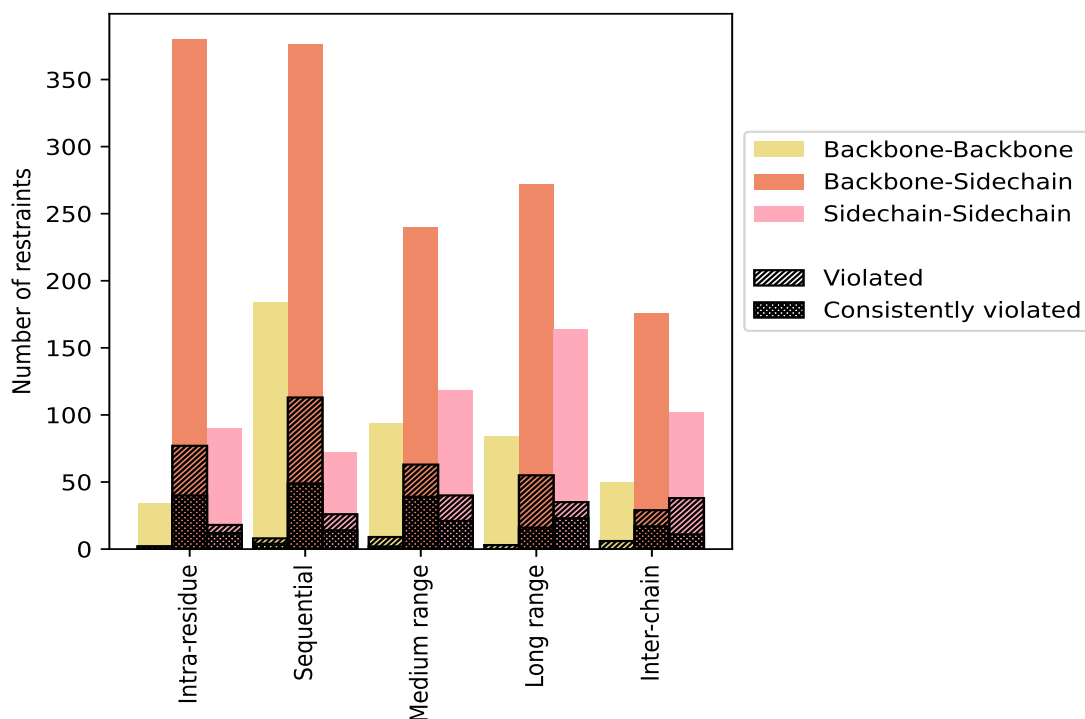
9.1 Summary of distance violations

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

Restrains type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
Intra-residue ($i-j =0$)	504	20.7	97	19.2	4.0	54	10.7	2.2
Backbone-Backbone	34	1.4	2	5.9	0.1	2	5.9	0.1
Backbone-Sidechain	380	15.6	77	20.3	3.2	40	10.5	1.6
Sidechain-Sidechain	90	3.7	18	20.0	0.7	12	13.3	0.5
Sequential ($i-j =1$)	632	25.9	147	23.3	6.0	67	10.6	2.8
Backbone-Backbone	184	7.6	8	4.3	0.3	4	2.2	0.2
Backbone-Sidechain	376	15.4	113	30.1	4.6	49	13.0	2.0
Sidechain-Sidechain	72	3.0	26	36.1	1.1	14	19.4	0.6
Medium range ($i-j >1$ & $i-j <5$)	412	16.9	107	26.0	4.4	62	15.0	2.5
Backbone-Backbone	94	3.9	9	9.6	0.4	2	2.1	0.1
Backbone-Sidechain	200	8.2	58	29.0	2.4	39	19.5	1.6
Sidechain-Sidechain	118	4.8	40	33.9	1.6	21	17.8	0.9
Long range ($i-j \geq 5$)	484	19.9	93	19.2	3.8	39	8.1	1.6
Backbone-Backbone	84	3.4	3	3.6	0.1	0	0.0	0.0
Backbone-Sidechain	236	9.7	55	23.3	2.3	16	6.8	0.7
Sidechain-Sidechain	164	6.7	35	21.3	1.4	23	14.0	0.9
Inter-chain	308	12.6	73	23.7	3.0	28	9.1	1.1
Backbone-Backbone	50	2.1	6	12.0	0.2	0	0.0	0.0
Backbone-Sidechain	156	6.4	29	18.6	1.2	17	10.9	0.7
Sidechain-Sidechain	102	4.2	38	37.3	1.6	11	10.8	0.5
Hydrogen bond	96	3.9	5	5.2	0.2	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	2436	100.0	522	21.4	21.4	250	10.3	10.3
Backbone-Backbone	446	18.3	28	6.3	1.1	8	1.8	0.3
Backbone-Sidechain	1444	59.3	337	23.3	13.8	161	11.1	6.6
Sidechain-Sidechain	546	22.4	157	28.8	6.4	81	14.8	3.3

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

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



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

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

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
1	72	103	80	51	40	346	0.7	2.65	0.54	0.57
2	72	101	84	53	43	353	0.73	2.85	0.54	0.61
3	72	103	81	59	43	358	0.7	2.35	0.53	0.6
4	72	99	84	55	46	356	0.71	2.31	0.53	0.61
5	71	104	79	57	44	355	0.68	2.59	0.53	0.54
6	70	103	86	53	46	358	0.72	2.57	0.53	0.62
7	68	105	79	53	44	349	0.7	2.66	0.53	0.59
8	67	95	74	60	46	342	0.69	3.03	0.53	0.58
9	70	99	78	59	44	350	0.71	2.93	0.54	0.56
10	66	107	79	57	43	352	0.7	2.49	0.53	0.57

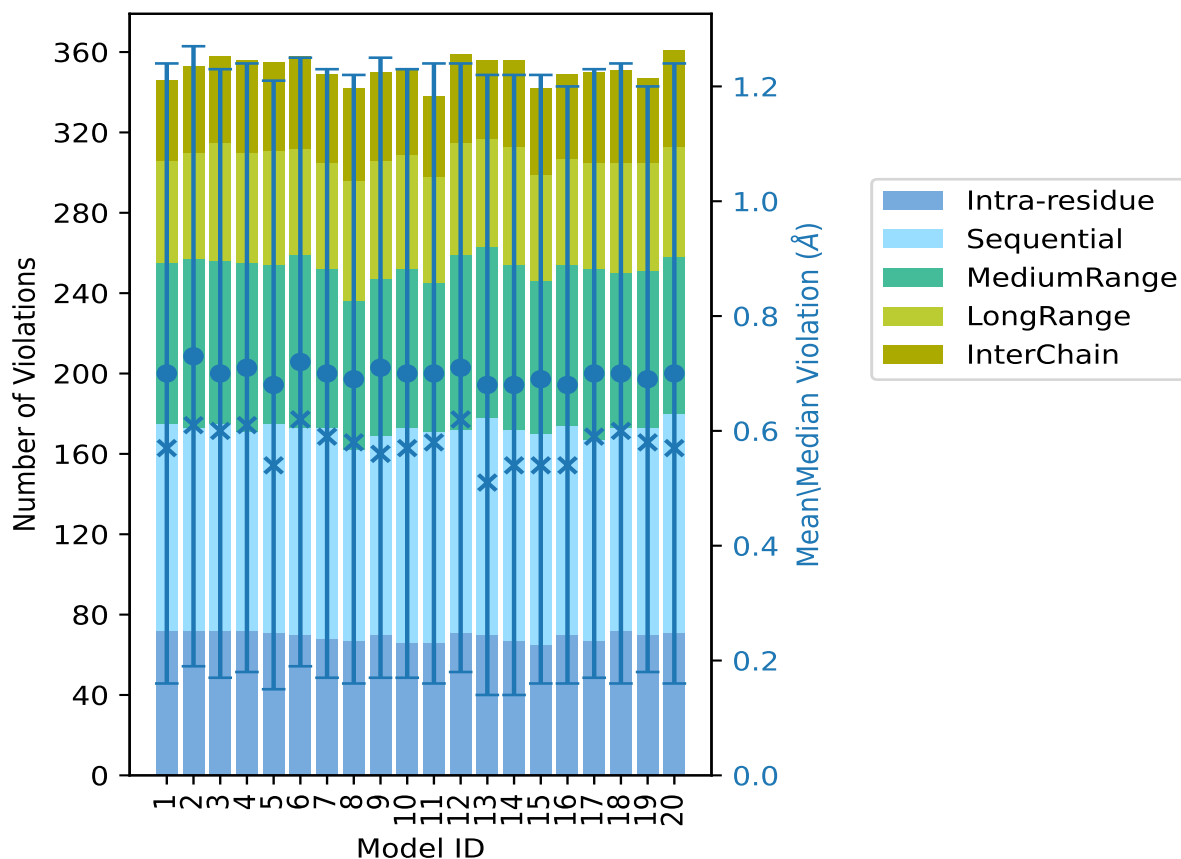
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Model ID	Number of violations					Total	Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵					
11	66	105	74	53	40	338	0.7	3.05	0.54	0.58
12	71	101	87	56	44	359	0.71	3.08	0.53	0.62
13	70	108	85	54	39	356	0.68	2.96	0.54	0.51
14	67	105	82	59	43	356	0.68	3.09	0.54	0.54
15	65	105	76	53	43	342	0.69	2.36	0.53	0.54
16	70	104	80	53	42	349	0.68	2.77	0.52	0.54
17	67	100	85	53	45	350	0.7	2.88	0.53	0.59
18	72	101	77	55	46	351	0.7	2.63	0.54	0.6
19	70	103	78	54	42	347	0.69	2.19	0.51	0.58
20	71	109	78	55	48	361	0.7	2.85	0.54	0.57

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

9.2.1 Bar graph : Distance Violation statistics for each model [\(i\)](#)



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

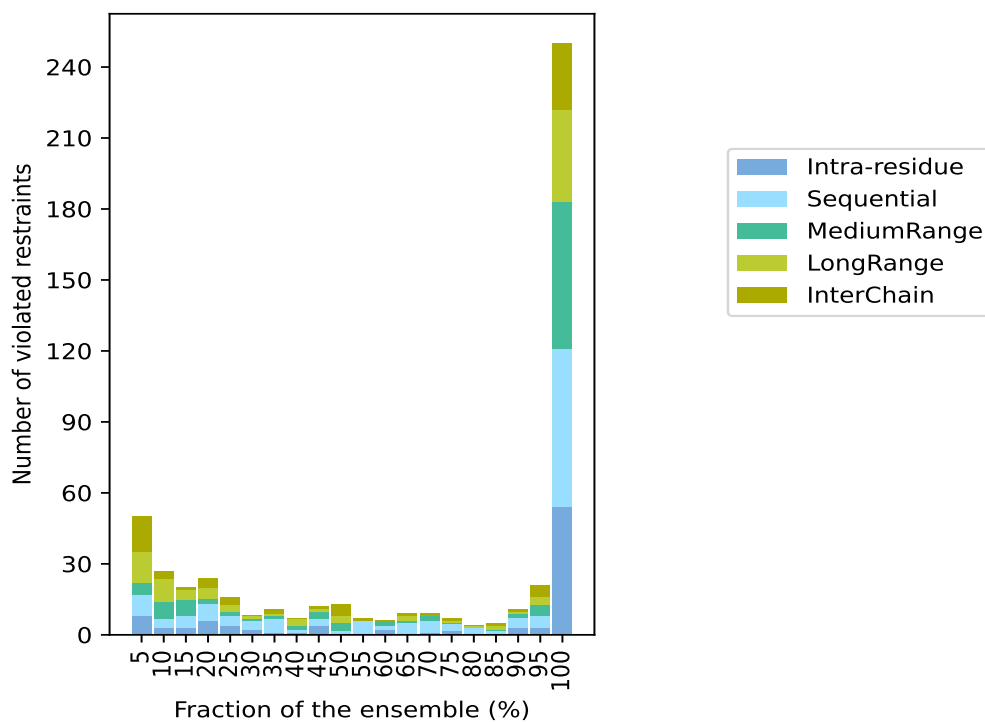
9.3 Distance violation statistics for the ensemble

Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 1823(IR:407, SQ:485, MR:305, LR:391, IC:235) 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	%
8	9	5	13	15	50	1	5.0
3	4	7	10	3	27	2	10.0
3	5	7	4	1	20	3	15.0
6	7	2	5	4	24	4	20.0
4	4	2	3	3	16	5	25.0
2	4	1	1	0	8	6	30.0
1	6	1	1	2	11	7	35.0
1	1	2	3	0	7	8	40.0
4	3	3	1	1	12	9	45.0
0	2	3	3	5	13	10	50.0
0	6	0	0	1	7	11	55.0
2	2	2	0	0	6	12	60.0
0	5	1	2	1	9	13	65.0
1	5	2	0	1	9	14	70.0
2	3	0	1	1	7	15	75.0
0	3	0	1	0	4	16	80.0
0	2	0	2	1	5	17	85.0
3	4	2	1	1	11	18	90.0
3	5	5	3	5	21	19	95.0
54	67	62	39	28	250	20	100.0

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

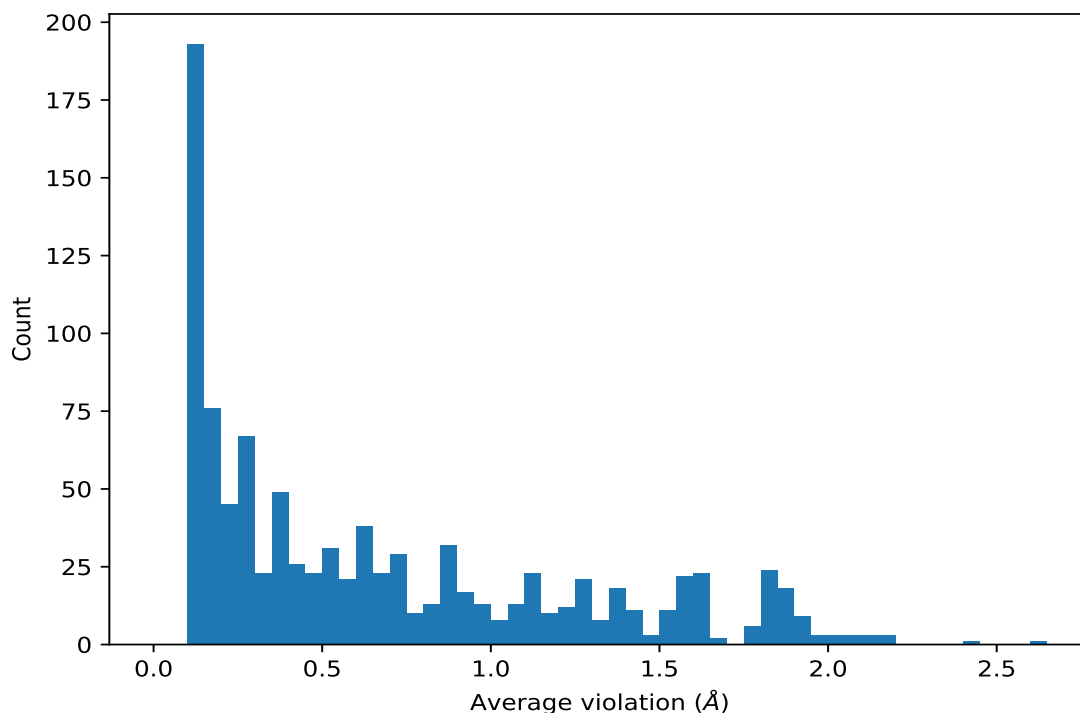
9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



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

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

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



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

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

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1241)	1:138:A:LYS:HG2	1:142:A:LYS:HE3	20	2.6	0.37	2.66
(1,1447)	1:238:B:LYS:HG2	1:242:B:LYS:HE3	20	2.44	0.34	2.45
(1,1151)	1:110:A:VAL:HG21	1:113:A:ALA:H	20	2.15	0.05	2.16
(1,1151)	1:110:A:VAL:HG22	1:113:A:ALA:H	20	2.15	0.05	2.16
(1,1151)	1:110:A:VAL:HG23	1:113:A:ALA:H	20	2.15	0.05	2.16
(1,1357)	1:210:B:VAL:HG21	1:213:B:ALA:H	20	2.14	0.13	2.17
(1,1357)	1:210:B:VAL:HG22	1:213:B:ALA:H	20	2.14	0.13	2.17
(1,1357)	1:210:B:VAL:HG23	1:213:B:ALA:H	20	2.14	0.13	2.17
(1,1149)	1:110:A:VAL:HG21	1:112:A:ALA:H	20	2.08	0.02	2.08
(1,1149)	1:110:A:VAL:HG22	1:112:A:ALA:H	20	2.08	0.02	2.08
(1,1149)	1:110:A:VAL:HG23	1:112:A:ALA:H	20	2.08	0.02	2.08
(1,1355)	1:210:B:VAL:HG21	1:212:B:ALA:H	20	2.04	0.06	2.06
(1,1355)	1:210:B:VAL:HG22	1:212:B:ALA:H	20	2.04	0.06	2.06
(1,1355)	1:210:B:VAL:HG23	1:212:B:ALA:H	20	2.04	0.06	2.06
(1,1155)	1:110:A:VAL:HG21	1:114:A:ASP:H	20	1.95	0.02	1.95
(1,1155)	1:110:A:VAL:HG22	1:114:A:ASP:H	20	1.95	0.02	1.95

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1155)	1:110:A:VAL:HG23	1:114:A:ASP:H	20	1.95	0.02	1.95
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD1	20	1.91	0.06	1.93
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD2	20	1.91	0.06	1.93
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD1	20	1.91	0.06	1.93
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD2	20	1.91	0.06	1.93
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD1	20	1.91	0.06	1.93
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD2	20	1.91	0.06	1.93
(1,1361)	1:210:B:VAL:HG21	1:214:B:ASP:H	20	1.91	0.15	1.96
(1,1361)	1:210:B:VAL:HG22	1:214:B:ASP:H	20	1.91	0.15	1.96
(1,1361)	1:210:B:VAL:HG23	1:214:B:ASP:H	20	1.91	0.15	1.96
(1,1150)	1:110:A:VAL:HG21	1:113:A:ALA:HA	20	1.89	0.05	1.9
(1,1150)	1:110:A:VAL:HG22	1:113:A:ALA:HA	20	1.89	0.05	1.9
(1,1150)	1:110:A:VAL:HG23	1:113:A:ALA:HA	20	1.89	0.05	1.9
(1,1148)	1:110:A:VAL:HG21	1:112:A:ALA:HA	20	1.89	0.05	1.89
(1,1148)	1:110:A:VAL:HG22	1:112:A:ALA:HA	20	1.89	0.05	1.89
(1,1148)	1:110:A:VAL:HG23	1:112:A:ALA:HA	20	1.89	0.05	1.89
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG11	20	1.88	0.07	1.89
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG12	20	1.88	0.07	1.89
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG13	20	1.88	0.07	1.89
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG11	20	1.88	0.07	1.89
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG12	20	1.88	0.07	1.89
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG13	20	1.88	0.07	1.89
(1,1354)	1:210:B:VAL:HG21	1:212:B:ALA:HA	20	1.86	0.06	1.87
(1,1354)	1:210:B:VAL:HG22	1:212:B:ALA:HA	20	1.86	0.06	1.87
(1,1354)	1:210:B:VAL:HG23	1:212:B:ALA:HA	20	1.86	0.06	1.87
(1,1356)	1:210:B:VAL:HG21	1:213:B:ALA:HA	20	1.85	0.15	1.9
(1,1356)	1:210:B:VAL:HG22	1:213:B:ALA:HA	20	1.85	0.15	1.9
(1,1356)	1:210:B:VAL:HG23	1:213:B:ALA:HA	20	1.85	0.15	1.9
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG21	20	1.82	0.05	1.83
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG22	20	1.82	0.05	1.83
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG23	20	1.82	0.05	1.83
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG21	20	1.82	0.05	1.83
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG22	20	1.82	0.05	1.83
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG23	20	1.82	0.05	1.83
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG21	20	1.82	0.05	1.83
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG22	20	1.82	0.05	1.83
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG23	20	1.82	0.05	1.83
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG21	20	1.82	0.06	1.82
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG22	20	1.82	0.06	1.82
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG23	20	1.82	0.06	1.82
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG21	20	1.82	0.06	1.82
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG22	20	1.82	0.06	1.82

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG23	20	1.82	0.06	1.82
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG21	20	1.82	0.06	1.82
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG22	20	1.82	0.06	1.82
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG23	20	1.82	0.06	1.82
(1,1618)	1:108:A:VAL:HG21	1:116:A:TYR:HA	20	1.76	0.08	1.76
(1,1618)	1:108:A:VAL:HG22	1:116:A:TYR:HA	20	1.76	0.08	1.76
(1,1618)	1:108:A:VAL:HG23	1:116:A:TYR:HA	20	1.76	0.08	1.76
(1,1860)	1:208:B:VAL:HG21	1:216:B:TYR:HA	20	1.76	0.06	1.77
(1,1860)	1:208:B:VAL:HG22	1:216:B:TYR:HA	20	1.76	0.06	1.77
(1,1860)	1:208:B:VAL:HG23	1:216:B:TYR:HA	20	1.76	0.06	1.77
(1,1426)	1:231:B:SER:HA	1:233:B:GLU:HB3	20	1.66	0.18	1.72
(1,1742)	1:120:A:LEU:HB2	1:128:A:LEU:H	20	1.64	0.02	1.64
(1,1984)	1:220:B:LEU:HB2	1:228:B:LEU:H	20	1.64	0.01	1.63
(1,2252)	1:154:A:ASP:HB3	1:202:B:ASN:HB2	20	1.64	0.22	1.66
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG21	20	1.63	0.13	1.62
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG22	20	1.63	0.13	1.62
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG23	20	1.63	0.13	1.62
(1,1220)	1:131:A:SER:HA	1:133:A:GLU:HB3	20	1.63	0.18	1.71
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD11	20	1.63	0.06	1.62
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD12	20	1.63	0.06	1.62
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD13	20	1.63	0.06	1.62
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD11	20	1.63	0.06	1.62
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD12	20	1.63	0.06	1.62
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD13	20	1.63	0.06	1.62
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD11	20	1.63	0.06	1.62
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD12	20	1.63	0.06	1.62
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD13	20	1.63	0.06	1.62
(1,2037)	1:102:A:ASN:HB2	1:254:B:ASP:HB3	20	1.62	0.25	1.74
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE1	20	1.62	0.22	1.62
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE2	20	1.62	0.22	1.62
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE1	20	1.62	0.22	1.62
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE2	20	1.62	0.22	1.62
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE1	20	1.62	0.22	1.62
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE2	20	1.62	0.22	1.62
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG11	20	1.59	0.06	1.58
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG12	20	1.59	0.06	1.58
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG13	20	1.59	0.06	1.58
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG11	20	1.59	0.06	1.58
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG12	20	1.59	0.06	1.58
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG13	20	1.59	0.06	1.58
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG11	20	1.59	0.06	1.58
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG12	20	1.59	0.06	1.58

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG13	20	1.59	0.06	1.58
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE1	20	1.57	0.17	1.55
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE2	20	1.57	0.17	1.55
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE1	20	1.57	0.17	1.55
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE2	20	1.57	0.17	1.55
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE1	20	1.57	0.17	1.55
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE2	20	1.57	0.17	1.55
(1,1895)	1:210:B:VAL:HG11	1:216:B:TYR:HB3	20	1.57	0.17	1.55
(1,1895)	1:210:B:VAL:HG12	1:216:B:TYR:HB3	20	1.57	0.17	1.55
(1,1895)	1:210:B:VAL:HG13	1:216:B:TYR:HB3	20	1.57	0.17	1.55
(1,2214)	1:148:A:VAL:HG21	1:253:B:PRO:HA	20	1.57	0.11	1.54
(1,2214)	1:148:A:VAL:HG22	1:253:B:PRO:HA	20	1.57	0.11	1.54
(1,2214)	1:148:A:VAL:HG23	1:253:B:PRO:HA	20	1.57	0.11	1.54
(1,1653)	1:110:A:VAL:HG11	1:116:A:TYR:HB3	20	1.52	0.08	1.52
(1,1653)	1:110:A:VAL:HG12	1:116:A:TYR:HB3	20	1.52	0.08	1.52
(1,1653)	1:110:A:VAL:HG13	1:116:A:TYR:HB3	20	1.52	0.08	1.52
(1,1245)	1:139:A:GLN:HA	1:142:A:LYS:HG2	20	1.52	0.2	1.6
(1,1451)	1:239:B:GLN:HA	1:242:B:LYS:HG2	20	1.51	0.18	1.62
(1,1154)	1:110:A:VAL:HG21	1:114:A:ASP:HB2	20	1.49	0.02	1.49
(1,1154)	1:110:A:VAL:HG22	1:114:A:ASP:HB2	20	1.49	0.02	1.49
(1,1154)	1:110:A:VAL:HG23	1:114:A:ASP:HB2	20	1.49	0.02	1.49
(1,2229)	1:151:A:ASN:HB2	1:205:B:HIS:H	20	1.41	0.06	1.42
(1,542)	1:108:A:VAL:HG21	1:109:A:PHE:H	20	1.41	0.03	1.4
(1,542)	1:108:A:VAL:HG22	1:109:A:PHE:H	20	1.41	0.03	1.4
(1,542)	1:108:A:VAL:HG23	1:109:A:PHE:H	20	1.41	0.03	1.4
(1,1360)	1:210:B:VAL:HG21	1:214:B:ASP:HB2	20	1.4	0.29	1.5
(1,1360)	1:210:B:VAL:HG22	1:214:B:ASP:HB2	20	1.4	0.29	1.5
(1,1360)	1:210:B:VAL:HG23	1:214:B:ASP:HB2	20	1.4	0.29	1.5
(1,858)	1:208:B:VAL:HG21	1:209:B:PHE:H	20	1.4	0.04	1.4
(1,858)	1:208:B:VAL:HG22	1:209:B:PHE:H	20	1.4	0.04	1.4
(1,858)	1:208:B:VAL:HG23	1:209:B:PHE:H	20	1.4	0.04	1.4
(1,2072)	1:105:A:HIS:H	1:251:B:ASN:HB2	20	1.4	0.08	1.4
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG11	20	1.39	0.01	1.39
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG12	20	1.39	0.01	1.39
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG13	20	1.39	0.01	1.39
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG11	20	1.38	0.02	1.38
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG12	20	1.38	0.02	1.38
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG13	20	1.38	0.02	1.38
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG2	20	1.37	0.03	1.36
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG3	20	1.37	0.03	1.36
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG2	20	1.37	0.03	1.36
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG3	20	1.37	0.03	1.36

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG2	20	1.37	0.03	1.36
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG3	20	1.37	0.03	1.36
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG2	20	1.35	0.05	1.36
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG3	20	1.35	0.05	1.36
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG2	20	1.35	0.05	1.36
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG3	20	1.35	0.05	1.36
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG2	20	1.35	0.05	1.36
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG3	20	1.35	0.05	1.36
(1,793)	1:153:A:PRO:HG3	1:154:A:ASP:H	20	1.32	0.03	1.34
(1,1109)	1:253:B:PRO:HG3	1:254:B:ASP:H	20	1.32	0.03	1.33
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG21	20	1.31	0.15	1.27
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG22	20	1.31	0.15	1.27
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG23	20	1.31	0.15	1.27
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG21	20	1.31	0.15	1.27
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG22	20	1.31	0.15	1.27
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG23	20	1.31	0.15	1.27
(1,2322)	1:158:A:ILE:HG12	1:207:B:GLU:HA	20	1.29	0.05	1.3
(1,562)	1:110:A:VAL:HG21	1:111:A:ASP:HA	20	1.29	0.02	1.28
(1,562)	1:110:A:VAL:HG22	1:111:A:ASP:HA	20	1.29	0.02	1.28
(1,562)	1:110:A:VAL:HG23	1:111:A:ASP:HA	20	1.29	0.02	1.28
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG21	20	1.27	0.17	1.22
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG22	20	1.27	0.17	1.22
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG23	20	1.27	0.17	1.22
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG21	20	1.27	0.17	1.22
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG22	20	1.27	0.17	1.22
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG23	20	1.27	0.17	1.22
(1,878)	1:210:B:VAL:HG21	1:211:B:ASP:HA	20	1.27	0.04	1.28
(1,878)	1:210:B:VAL:HG22	1:211:B:ASP:HA	20	1.27	0.04	1.28
(1,878)	1:210:B:VAL:HG23	1:211:B:ASP:HA	20	1.27	0.04	1.28
(1,568)	1:111:A:ASP:HB2	1:112:A:ALA:HA	20	1.25	0.01	1.25
(1,884)	1:211:B:ASP:HB2	1:212:B:ALA:HA	20	1.24	0.01	1.24
(1,1407)	1:224:B:ASN:HD22	1:226:B:ASN:HD21	20	1.22	0.08	1.25
(1,1346)	1:202:B:ASN:HD22	1:205:B:HIS:HB2	20	1.22	0.09	1.25
(1,1854)	1:208:B:VAL:HG11	1:218:B:TRP:HB2	20	1.21	0.05	1.2
(1,1854)	1:208:B:VAL:HG12	1:218:B:TRP:HB2	20	1.21	0.05	1.2
(1,1854)	1:208:B:VAL:HG13	1:218:B:TRP:HB2	20	1.21	0.05	1.2
(1,1612)	1:108:A:VAL:HG11	1:118:A:TRP:HB2	20	1.2	0.07	1.19
(1,1612)	1:108:A:VAL:HG12	1:118:A:TRP:HB2	20	1.2	0.07	1.19
(1,1612)	1:108:A:VAL:HG13	1:118:A:TRP:HB2	20	1.2	0.07	1.19
(1,2099)	1:107:A:GLU:HA	1:258:B:ILE:HG12	20	1.2	0.24	1.27
(1,1140)	1:102:A:ASN:HD22	1:105:A:HIS:HB2	20	1.19	0.1	1.23
(1,752)	1:148:A:VAL:HG21	1:149:A:LYS:H	20	1.17	0.04	1.17

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,752)	1:148:A:VAL:HG22	1:149:A:LYS:H	20	1.17	0.04	1.17
(1,752)	1:148:A:VAL:HG23	1:149:A:LYS:H	20	1.17	0.04	1.17
(1,1068)	1:248:B:VAL:HG21	1:249:B:LYS:H	20	1.17	0.03	1.16
(1,1068)	1:248:B:VAL:HG22	1:249:B:LYS:H	20	1.17	0.03	1.16
(1,1068)	1:248:B:VAL:HG23	1:249:B:LYS:H	20	1.17	0.03	1.16
(1,1201)	1:124:A:ASN:HD22	1:126:A:ASN:HD21	20	1.16	0.11	1.19
(1,1530)	1:249:B:LYS:HG2	1:253:B:PRO:HD2	20	1.16	0.05	1.15
(1,1530)	1:249:B:LYS:HG3	1:253:B:PRO:HD2	20	1.16	0.05	1.15
(1,1324)	1:149:A:LYS:HG2	1:153:A:PRO:HD2	20	1.14	0.03	1.14
(1,1324)	1:149:A:LYS:HG3	1:153:A:PRO:HD2	20	1.14	0.03	1.14
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD11	20	1.12	0.05	1.12
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD12	20	1.12	0.05	1.12
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD13	20	1.12	0.05	1.12
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD11	20	1.12	0.05	1.12
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD12	20	1.12	0.05	1.12
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD13	20	1.12	0.05	1.12
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD11	20	1.12	0.05	1.12
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD12	20	1.12	0.05	1.12
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD13	20	1.12	0.05	1.12
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD11	20	1.11	0.06	1.1
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD12	20	1.11	0.06	1.1
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD13	20	1.11	0.06	1.1
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD11	20	1.11	0.06	1.1
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD12	20	1.11	0.06	1.1
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD13	20	1.11	0.06	1.1
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD11	20	1.11	0.06	1.1
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD12	20	1.11	0.06	1.1
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD13	20	1.11	0.06	1.1
(1,1656)	1:110:A:VAL:HG21	1:115:A:LYS:H	20	1.11	0.02	1.11
(1,1656)	1:110:A:VAL:HG22	1:115:A:LYS:H	20	1.11	0.02	1.11
(1,1656)	1:110:A:VAL:HG23	1:115:A:LYS:H	20	1.11	0.02	1.11
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG21	20	1.07	0.02	1.07
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG22	20	1.07	0.02	1.07
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG23	20	1.07	0.02	1.07
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG21	20	1.07	0.02	1.06
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG22	20	1.07	0.02	1.06
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG23	20	1.07	0.02	1.06
(1,547)	1:109:A:PHE:HB3	1:110:A:VAL:H	20	1.06	0.02	1.06
(1,1898)	1:210:B:VAL:HG21	1:215:B:LYS:H	20	1.06	0.15	1.1
(1,1898)	1:210:B:VAL:HG22	1:215:B:LYS:H	20	1.06	0.15	1.1
(1,1898)	1:210:B:VAL:HG23	1:215:B:LYS:H	20	1.06	0.15	1.1
(1,863)	1:209:B:PHE:HB3	1:210:B:VAL:H	20	1.06	0.04	1.05

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1194)	1:123:A:ASP:H	1:126:A:ASN:HD21	20	1.05	0.07	1.02
(1,2114)	1:109:A:PHE:HB2	1:260:B:ALA:H	20	1.05	0.08	1.04
(1,961)	1:224:B:ASN:HD22	1:225:B:GLY:H	20	1.04	0.03	1.04
(1,506)	1:102:A:ASN:HA	1:103:A:LYS:HB3	20	1.04	0.05	1.06
(1,1400)	1:223:B:ASP:H	1:226:B:ASN:HD21	20	1.04	0.1	1.02
(1,822)	1:202:B:ASN:HA	1:203:B:LYS:HB3	20	1.04	0.04	1.04
(1,645)	1:124:A:ASN:HD22	1:125:A:GLY:H	20	1.03	0.03	1.04
(1,2340)	1:160:A:ALA:H	1:209:B:PHE:HB2	20	1.02	0.1	1.05
(1,1408)	1:224:B:ASN:HD22	1:226:B:ASN:H	20	1.01	0.04	1.02
(1,1107)	1:253:B:PRO:HD3	1:254:B:ASP:H	20	0.99	0.03	0.98
(1,1202)	1:124:A:ASN:HD22	1:126:A:ASN:H	20	0.99	0.06	1.0
(1,231)	1:154:A:ASP:H	1:154:A:ASP:HB3	20	0.97	0.02	0.97
(1,260)	1:203:B:LYS:H	1:203:B:LYS:HB3	20	0.97	0.06	0.98
(1,1857)	1:208:B:VAL:HG11	1:219:B:ARG:H	20	0.97	0.05	0.97
(1,1857)	1:208:B:VAL:HG12	1:219:B:ARG:H	20	0.97	0.05	0.97
(1,1857)	1:208:B:VAL:HG13	1:219:B:ARG:H	20	0.97	0.05	0.97
(1,791)	1:153:A:PRO:HD3	1:154:A:ASP:H	20	0.97	0.04	0.96
(1,483)	1:254:B:ASP:H	1:254:B:ASP:HB3	20	0.96	0.03	0.96
(1,8)	1:103:A:LYS:H	1:103:A:LYS:HB3	20	0.95	0.07	0.97
(1,1615)	1:108:A:VAL:HG11	1:119:A:ARG:H	20	0.95	0.04	0.94
(1,1615)	1:108:A:VAL:HG12	1:119:A:ARG:H	20	0.95	0.04	0.94
(1,1615)	1:108:A:VAL:HG13	1:119:A:ARG:H	20	0.95	0.04	0.94
(1,225)	1:151:A:ASN:H	1:151:A:ASN:HB3	20	0.94	0.02	0.94
(1,477)	1:251:B:ASN:H	1:251:B:ASN:HB3	20	0.92	0.03	0.93
(1,2320)	1:158:A:ILE:HG12	1:205:B:HIS:HA	20	0.92	0.07	0.94
(1,563)	1:110:A:VAL:HG21	1:111:A:ASP:H	20	0.92	0.04	0.92
(1,563)	1:110:A:VAL:HG22	1:111:A:ASP:H	20	0.92	0.04	0.92
(1,563)	1:110:A:VAL:HG23	1:111:A:ASP:H	20	0.92	0.04	0.92
(1,1894)	1:210:B:VAL:HG11	1:216:B:TYR:HA	20	0.91	0.15	0.87
(1,1894)	1:210:B:VAL:HG12	1:216:B:TYR:HA	20	0.91	0.15	0.87
(1,1894)	1:210:B:VAL:HG13	1:216:B:TYR:HA	20	0.91	0.15	0.87
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB1	20	0.91	0.02	0.91
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB2	20	0.91	0.02	0.91
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB3	20	0.91	0.02	0.91
(1,970)	1:226:B:ASN:HD22	1:227:B:ILE:H	20	0.9	0.03	0.9
(1,2211)	1:148:A:VAL:HG11	1:229:B:ALA:HA	20	0.9	0.11	0.91
(1,2211)	1:148:A:VAL:HG12	1:229:B:ALA:HA	20	0.9	0.11	0.91
(1,2211)	1:148:A:VAL:HG13	1:229:B:ALA:HA	20	0.9	0.11	0.91
(1,2063)	1:105:A:HIS:HB3	1:256:B:ASP:HA	20	0.89	0.06	0.91
(1,130)	1:133:A:GLU:H	1:133:A:GLU:HB3	20	0.89	0.03	0.89
(1,654)	1:126:A:ASN:HD22	1:127:A:ILE:H	20	0.89	0.04	0.88
(1,2277)	1:156:A:ASP:HA	1:205:B:HIS:HB3	20	0.89	0.05	0.9

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,382)	1:233:B:GLU:H	1:233:B:GLU:HB3	20	0.89	0.04	0.88
(1,1529)	1:249:B:LYS:HA	1:253:B:PRO:HG2	20	0.89	0.08	0.89
(1,1652)	1:110:A:VAL:HG11	1:116:A:TYR:HA	20	0.89	0.05	0.9
(1,1652)	1:110:A:VAL:HG12	1:116:A:TYR:HA	20	0.89	0.05	0.9
(1,1652)	1:110:A:VAL:HG13	1:116:A:TYR:HA	20	0.89	0.05	0.9
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB1	20	0.88	0.03	0.88
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB2	20	0.88	0.03	0.88
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB3	20	0.88	0.03	0.88
(1,879)	1:210:B:VAL:HG21	1:211:B:ASP:H	20	0.88	0.07	0.89
(1,879)	1:210:B:VAL:HG22	1:211:B:ASP:H	20	0.88	0.07	0.89
(1,879)	1:210:B:VAL:HG23	1:211:B:ASP:H	20	0.88	0.07	0.89
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG11	20	0.87	0.08	0.86
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG12	20	0.87	0.08	0.86
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG13	20	0.87	0.08	0.86
(1,1161)	1:111:A:ASP:HB2	1:114:A:ASP:H	20	0.87	0.13	0.84
(1,686)	1:133:A:GLU:HB2	1:134:A:GLY:H	20	0.87	0.17	0.87
(1,1244)	1:139:A:GLN:HA	1:142:A:LYS:HB3	20	0.87	0.1	0.86
(1,1002)	1:233:B:GLU:HB2	1:234:B:GLY:H	20	0.86	0.18	0.9
(1,1367)	1:211:B:ASP:HB2	1:214:B:ASP:H	20	0.86	0.12	0.84
(1,570)	1:111:A:ASP:HB2	1:112:A:ALA:H	20	0.86	0.03	0.87
(1,834)	1:204:B:ALA:HB1	1:205:B:HIS:HB2	20	0.86	0.03	0.86
(1,834)	1:204:B:ALA:HB2	1:205:B:HIS:HB2	20	0.86	0.03	0.86
(1,834)	1:204:B:ALA:HB3	1:205:B:HIS:HB2	20	0.86	0.03	0.86
(1,518)	1:104:A:ALA:HB1	1:105:A:HIS:HB2	20	0.85	0.04	0.85
(1,518)	1:104:A:ALA:HB2	1:105:A:HIS:HB2	20	0.85	0.04	0.85
(1,518)	1:104:A:ALA:HB3	1:105:A:HIS:HB2	20	0.85	0.04	0.85
(1,1537)	1:251:B:ASN:HA	1:253:B:PRO:HD3	20	0.85	0.04	0.84
(1,1450)	1:239:B:GLN:HA	1:242:B:LYS:HB3	20	0.85	0.1	0.84
(1,1331)	1:151:A:ASN:HA	1:153:A:PRO:HD3	20	0.84	0.05	0.86
(1,886)	1:211:B:ASP:HB2	1:212:B:ALA:H	20	0.84	0.02	0.84
(1,1323)	1:149:A:LYS:HA	1:153:A:PRO:HG2	20	0.84	0.09	0.82
(1,1985)	1:220:B:LEU:HB2	1:229:B:ALA:H	20	0.83	0.04	0.84
(1,1743)	1:120:A:LEU:HB2	1:129:A:ALA:H	20	0.83	0.03	0.83
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG11	20	0.8	0.01	0.8
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG12	20	0.8	0.01	0.8
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG13	20	0.8	0.01	0.8
(1,1595)	1:107:A:GLU:HG2	1:121:A:VAL:HB	20	0.8	0.25	0.8
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG11	20	0.8	0.01	0.8
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG12	20	0.8	0.01	0.8
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG13	20	0.8	0.01	0.8
(1,1837)	1:207:B:GLU:HG2	1:221:B:VAL:HB	20	0.8	0.22	0.82
(1,1822)	1:206:B:PHE:HD1	1:220:B:LEU:HB3	20	0.78	0.06	0.78

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1822)	1:206:B:PHE:HD2	1:220:B:LEU:HB3	20	0.78	0.06	0.78
(1,1580)	1:106:A:PHE:HD1	1:120:A:LEU:HB3	20	0.78	0.06	0.78
(1,1580)	1:106:A:PHE:HD2	1:120:A:LEU:HB3	20	0.78	0.06	0.78
(1,101)	1:126:A:ASN:HB2	1:126:A:ASN:HD22	20	0.77	0.03	0.78
(1,353)	1:226:B:ASN:HB2	1:226:B:ASN:HD22	20	0.77	0.03	0.77
(1,1039)	1:242:B:LYS:HB3	1:243:B:GLN:H	20	0.76	0.02	0.76
(1,723)	1:142:A:LYS:HB3	1:143:A:GLN:H	20	0.76	0.03	0.76
(1,1350)	1:209:B:PHE:HE1	1:211:B:ASP:HB3	20	0.76	0.14	0.8
(1,1350)	1:209:B:PHE:HE2	1:211:B:ASP:HB3	20	0.76	0.14	0.8
(1,765)	1:150:A:ARG:HB3	1:151:A:ASN:HB3	20	0.72	0.15	0.72
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG21	20	0.72	0.13	0.7
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG22	20	0.72	0.13	0.7
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG23	20	0.72	0.13	0.7
(1,1081)	1:250:B:ARG:HB3	1:251:B:ASN:HB3	20	0.71	0.08	0.72
(1,902)	1:214:B:ASP:H	1:215:B:LYS:HG3	20	0.71	0.75	0.17
(1,167)	1:142:A:LYS:HG2	1:142:A:LYS:HE3	20	0.71	0.04	0.72
(1,245)	1:159:A:GLU:HA	1:159:A:GLU:HG3	20	0.71	0.04	0.72
(1,419)	1:242:B:LYS:HG2	1:242:B:LYS:HE3	20	0.71	0.04	0.72
(1,281)	1:209:B:PHE:H	1:209:B:PHE:HB2	20	0.71	0.01	0.71
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG21	20	0.71	0.15	0.67
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG22	20	0.71	0.15	0.67
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG23	20	0.71	0.15	0.67
(1,29)	1:109:A:PHE:H	1:109:A:PHE:HB2	20	0.7	0.01	0.7
(1,1524)	1:248:B:VAL:HG21	1:250:B:ARG:H	20	0.69	0.06	0.67
(1,1524)	1:248:B:VAL:HG22	1:250:B:ARG:H	20	0.69	0.06	0.67
(1,1524)	1:248:B:VAL:HG23	1:250:B:ARG:H	20	0.69	0.06	0.67
(1,1144)	1:109:A:PHE:HE1	1:111:A:ASP:HB3	20	0.68	0.17	0.69
(1,1144)	1:109:A:PHE:HE2	1:111:A:ASP:HB3	20	0.68	0.17	0.69
(1,1318)	1:148:A:VAL:HG21	1:150:A:ARG:H	20	0.68	0.05	0.68
(1,1318)	1:148:A:VAL:HG22	1:150:A:ARG:H	20	0.68	0.05	0.68
(1,1318)	1:148:A:VAL:HG23	1:150:A:ARG:H	20	0.68	0.05	0.68
(1,2105)	1:107:A:GLU:HG3	1:258:B:ILE:H	20	0.68	0.11	0.68
(1,497)	1:259:B:GLU:HA	1:259:B:GLU:HG3	20	0.68	0.02	0.68
(1,1152)	1:110:A:VAL:HG21	1:114:A:ASP:HA	20	0.67	0.05	0.69
(1,1152)	1:110:A:VAL:HG22	1:114:A:ASP:HA	20	0.67	0.05	0.69
(1,1152)	1:110:A:VAL:HG23	1:114:A:ASP:HA	20	0.67	0.05	0.69
(1,2326)	1:158:A:ILE:H	1:207:B:GLU:HG3	20	0.67	0.11	0.63
(1,344)	1:224:B:ASN:HB3	1:224:B:ASN:HD22	20	0.66	0.04	0.65
(1,350)	1:226:B:ASN:HA	1:226:B:ASN:HD22	20	0.66	0.03	0.66
(1,98)	1:126:A:ASN:HA	1:126:A:ASN:HD22	20	0.66	0.04	0.64
(1,92)	1:124:A:ASN:HB3	1:124:A:ASN:HD22	20	0.64	0.01	0.64
(1,454)	1:247:B:SER:H	1:247:B:SER:HB3	20	0.62	0.01	0.62

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,202)	1:147:A:SER:H	1:147:A:SER:HB3	20	0.62	0.01	0.62
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB1	20	0.6	0.06	0.6
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB2	20	0.6	0.06	0.6
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB3	20	0.6	0.06	0.6
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB1	20	0.6	0.05	0.6
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB2	20	0.6	0.05	0.6
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB3	20	0.6	0.05	0.6
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD21	20	0.6	0.06	0.59
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD22	20	0.6	0.06	0.59
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD23	20	0.6	0.06	0.59
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD21	20	0.6	0.06	0.59
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD22	20	0.6	0.06	0.59
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD23	20	0.6	0.06	0.59
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD21	20	0.6	0.06	0.59
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD22	20	0.6	0.06	0.59
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD23	20	0.6	0.06	0.59
(1,1101)	1:252:B:ALA:H	1:253:B:PRO:HD3	20	0.6	0.03	0.6
(1,785)	1:152:A:ALA:H	1:153:A:PRO:HD3	20	0.59	0.03	0.58
(1,823)	1:202:B:ASN:HA	1:203:B:LYS:HG3	20	0.57	0.2	0.58
(1,1204)	1:124:A:ASN:H	1:126:A:ASN:HD21	20	0.57	0.15	0.53
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG11	20	0.57	0.04	0.56
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG12	20	0.57	0.04	0.56
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG13	20	0.57	0.04	0.56
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG11	20	0.57	0.04	0.56
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG12	20	0.57	0.04	0.56
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG13	20	0.57	0.04	0.56
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG11	20	0.57	0.04	0.56
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG12	20	0.57	0.04	0.56
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG13	20	0.57	0.04	0.56
(1,1861)	1:208:B:VAL:HG21	1:216:B:TYR:HB3	20	0.57	0.1	0.57
(1,1861)	1:208:B:VAL:HG22	1:216:B:TYR:HB3	20	0.57	0.1	0.57
(1,1861)	1:208:B:VAL:HG23	1:216:B:TYR:HB3	20	0.57	0.1	0.57
(1,1619)	1:108:A:VAL:HG21	1:116:A:TYR:HB3	20	0.56	0.12	0.58
(1,1619)	1:108:A:VAL:HG22	1:116:A:TYR:HB3	20	0.56	0.12	0.58
(1,1619)	1:108:A:VAL:HG23	1:116:A:TYR:HB3	20	0.56	0.12	0.58
(1,243)	1:158:A:ILE:H	1:158:A:ILE:HG12	20	0.56	0.04	0.56
(1,1160)	1:111:A:ASP:HB2	1:113:A:ALA:H	20	0.54	0.06	0.54
(1,1410)	1:224:B:ASN:H	1:226:B:ASN:HD21	20	0.54	0.15	0.49
(1,1366)	1:211:B:ASP:HB2	1:213:B:ALA:H	20	0.54	0.06	0.55
(1,1862)	1:208:B:VAL:HG21	1:217:B:ARG:H	20	0.52	0.1	0.49
(1,1862)	1:208:B:VAL:HG22	1:217:B:ARG:H	20	0.52	0.1	0.49
(1,1862)	1:208:B:VAL:HG23	1:217:B:ARG:H	20	0.52	0.1	0.49

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1620)	1:108:A:VAL:HG21	1:117:A:ARG:H	20	0.52	0.1	0.54
(1,1620)	1:108:A:VAL:HG22	1:117:A:ARG:H	20	0.52	0.1	0.54
(1,1620)	1:108:A:VAL:HG23	1:117:A:ARG:H	20	0.52	0.1	0.54
(1,1005)	1:234:B:GLY:HA3	1:235:B:TYR:H	20	0.51	0.09	0.5
(1,689)	1:134:A:GLY:HA3	1:135:A:TYR:H	20	0.51	0.09	0.5
(1,1066)	1:248:B:VAL:HG21	1:249:B:LYS:HA	20	0.51	0.04	0.5
(1,1066)	1:248:B:VAL:HG22	1:249:B:LYS:HA	20	0.51	0.04	0.5
(1,1066)	1:248:B:VAL:HG23	1:249:B:LYS:HA	20	0.51	0.04	0.5
(1,750)	1:148:A:VAL:HG21	1:149:A:LYS:HA	20	0.5	0.06	0.51
(1,750)	1:148:A:VAL:HG22	1:149:A:LYS:HA	20	0.5	0.06	0.51
(1,750)	1:148:A:VAL:HG23	1:149:A:LYS:HA	20	0.5	0.06	0.51
(1,1248)	1:139:A:GLN:HB2	1:141:A:ALA:H	20	0.5	0.05	0.5
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG21	20	0.5	0.16	0.48
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG22	20	0.5	0.16	0.48
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG23	20	0.5	0.16	0.48
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG21	20	0.5	0.16	0.48
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG22	20	0.5	0.16	0.48
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG23	20	0.5	0.16	0.48
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG21	20	0.5	0.16	0.48
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG22	20	0.5	0.16	0.48
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG23	20	0.5	0.16	0.48
(1,1454)	1:239:B:GLN:HB2	1:241:B:ALA:H	20	0.5	0.05	0.5
(1,1191)	1:122:A:HIS:H	1:125:A:GLY:HA3	20	0.49	0.08	0.5
(1,426)	1:242:B:LYS:H	1:242:B:LYS:HG2	20	0.48	0.02	0.48
(1,1397)	1:222:B:HIS:H	1:225:B:GLY:HA3	20	0.47	0.07	0.47
(1,1523)	1:248:B:VAL:HG11	1:251:B:ASN:HD21	20	0.47	0.05	0.47
(1,1523)	1:248:B:VAL:HG12	1:251:B:ASN:HD21	20	0.47	0.05	0.47
(1,1523)	1:248:B:VAL:HG13	1:251:B:ASN:HD21	20	0.47	0.05	0.47
(1,174)	1:142:A:LYS:H	1:142:A:LYS:HG2	20	0.46	0.03	0.47
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG21	20	0.46	0.15	0.42
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG22	20	0.46	0.15	0.42
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG23	20	0.46	0.15	0.42
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG21	20	0.46	0.15	0.42
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG22	20	0.46	0.15	0.42
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG23	20	0.46	0.15	0.42
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG21	20	0.46	0.15	0.42
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG22	20	0.46	0.15	0.42
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG23	20	0.46	0.15	0.42
(1,2311)	1:158:A:ILE:HB	1:207:B:GLU:HG3	20	0.46	0.15	0.47
(1,1199)	1:124:A:ASN:HD21	1:126:A:ASN:HD21	20	0.46	0.1	0.46
(1,1317)	1:148:A:VAL:HG11	1:151:A:ASN:HD21	20	0.46	0.06	0.48
(1,1317)	1:148:A:VAL:HG12	1:151:A:ASN:HD21	20	0.46	0.06	0.48

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1317)	1:148:A:VAL:HG13	1:151:A:ASN:HD21	20	0.46	0.06	0.48
(1,1405)	1:224:B:ASN:HD21	1:226:B:ASN:HD21	20	0.44	0.1	0.42
(1,1705)	1:118:A:TRP:HD1	1:142:A:LYS:HG3	20	0.44	0.14	0.41
(1,1897)	1:210:B:VAL:HG11	1:216:B:TYR:H	20	0.43	0.15	0.42
(1,1897)	1:210:B:VAL:HG12	1:216:B:TYR:H	20	0.43	0.15	0.42
(1,1897)	1:210:B:VAL:HG13	1:216:B:TYR:H	20	0.43	0.15	0.42
(1,1947)	1:218:B:TRP:HD1	1:242:B:LYS:HG3	20	0.43	0.12	0.42
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG21	20	0.43	0.05	0.42
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG22	20	0.43	0.05	0.42
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG23	20	0.43	0.05	0.42
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG21	20	0.43	0.05	0.42
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG22	20	0.43	0.05	0.42
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG23	20	0.43	0.05	0.42
(1,94)	1:124:A:ASN:HB2	1:124:A:ASN:HD22	20	0.42	0.01	0.42
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG21	20	0.41	0.04	0.42
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG22	20	0.41	0.04	0.42
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG23	20	0.41	0.04	0.42
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG21	20	0.41	0.04	0.42
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG22	20	0.41	0.04	0.42
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG23	20	0.41	0.04	0.42
(1,96)	1:125:A:GLY:H	1:125:A:GLY:HA3	20	0.41	0.0	0.41
(1,346)	1:224:B:ASN:HB2	1:224:B:ASN:HD22	20	0.41	0.01	0.41
(1,348)	1:225:B:GLY:H	1:225:B:GLY:HA3	20	0.41	0.01	0.41
(1,586)	1:114:A:ASP:H	1:115:A:LYS:HG3	20	0.4	0.57	0.16
(1,13)	1:105:A:HIS:H	1:105:A:HIS:HB2	20	0.39	0.01	0.4
(1,265)	1:205:B:HIS:H	1:205:B:HIS:HB2	20	0.39	0.01	0.39
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB1	20	0.38	0.11	0.4
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB2	20	0.38	0.11	0.4
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB3	20	0.38	0.11	0.4
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB1	20	0.38	0.11	0.4
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB2	20	0.38	0.11	0.4
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB3	20	0.38	0.11	0.4
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB1	20	0.38	0.11	0.4
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB2	20	0.38	0.11	0.4
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB3	20	0.38	0.11	0.4
(1,513)	1:103:A:LYS:HB2	1:104:A:ALA:H	20	0.38	0.04	0.37
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG21	20	0.38	0.09	0.38
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG22	20	0.38	0.09	0.38
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG23	20	0.38	0.09	0.38
(1,815)	1:158:A:ILE:HG13	1:159:A:GLU:H	20	0.38	0.02	0.38
(1,829)	1:203:B:LYS:HB2	1:204:B:ALA:H	20	0.38	0.04	0.37
(1,2107)	1:108:A:VAL:HG21	1:260:B:ALA:H	20	0.37	0.07	0.36

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2107)	1:108:A:VAL:HG22	1:260:B:ALA:H	20	0.37	0.07	0.36
(1,2107)	1:108:A:VAL:HG23	1:260:B:ALA:H	20	0.37	0.07	0.36
(1,1655)	1:110:A:VAL:HG11	1:116:A:TYR:H	20	0.37	0.09	0.35
(1,1655)	1:110:A:VAL:HG12	1:116:A:TYR:H	20	0.37	0.09	0.35
(1,1655)	1:110:A:VAL:HG13	1:116:A:TYR:H	20	0.37	0.09	0.35
(1,2321)	1:158:A:ILE:HG12	1:205:B:HIS:HD2	20	0.36	0.03	0.36
(1,1131)	1:258:B:ILE:HG13	1:259:B:GLU:H	20	0.36	0.06	0.37
(1,664)	1:128:A:LEU:HD11	1:129:A:ALA:H	20	0.35	0.02	0.35
(1,664)	1:128:A:LEU:HD12	1:129:A:ALA:H	20	0.35	0.02	0.35
(1,664)	1:128:A:LEU:HD13	1:129:A:ALA:H	20	0.35	0.02	0.35
(1,980)	1:228:B:LEU:HD11	1:229:B:ALA:H	20	0.35	0.02	0.34
(1,980)	1:228:B:LEU:HD12	1:229:B:ALA:H	20	0.35	0.02	0.34
(1,980)	1:228:B:LEU:HD13	1:229:B:ALA:H	20	0.35	0.02	0.34
(1,1515)	1:247:B:SER:HB3	1:249:B:LYS:H	20	0.34	0.08	0.36
(1,2032)	1:248:B:VAL:HG21	1:253:B:PRO:HD2	20	0.34	0.05	0.34
(1,2032)	1:248:B:VAL:HG22	1:253:B:PRO:HD2	20	0.34	0.05	0.34
(1,2032)	1:248:B:VAL:HG23	1:253:B:PRO:HD2	20	0.34	0.05	0.34
(1,1790)	1:148:A:VAL:HG21	1:153:A:PRO:HD2	20	0.34	0.07	0.34
(1,1790)	1:148:A:VAL:HG22	1:153:A:PRO:HD2	20	0.34	0.07	0.34
(1,1790)	1:148:A:VAL:HG23	1:153:A:PRO:HD2	20	0.34	0.07	0.34
(1,475)	1:251:B:ASN:HB3	1:251:B:ASN:HD22	20	0.33	0.01	0.33
(1,223)	1:151:A:ASN:HB3	1:151:A:ASN:HD22	20	0.33	0.01	0.33
(1,1171)	1:113:A:ALA:HA	1:115:A:LYS:HG3	20	0.33	0.47	0.13
(1,963)	1:225:B:GLY:HA3	1:226:B:ASN:H	20	0.3	0.01	0.3
(1,1393)	1:222:B:HIS:HB2	1:226:B:ASN:HB2	20	0.3	0.04	0.31
(1,647)	1:125:A:GLY:HA3	1:126:A:ASN:H	20	0.3	0.01	0.3
(1,1187)	1:122:A:HIS:HB2	1:126:A:ASN:HB2	20	0.3	0.04	0.3
(1,556)	1:110:A:VAL:HA	1:111:A:ASP:HB3	20	0.29	0.03	0.3
(1,273)	1:207:B:GLU:H	1:207:B:GLU:HG2	20	0.29	0.04	0.3
(1,21)	1:107:A:GLU:H	1:107:A:GLU:HG2	20	0.29	0.02	0.29
(1,474)	1:251:B:ASN:HB3	1:251:B:ASN:HD21	20	0.28	0.01	0.29
(1,942)	1:220:B:LEU:HB2	1:221:B:VAL:H	20	0.28	0.01	0.29
(1,222)	1:151:A:ASN:HB3	1:151:A:ASN:HD21	20	0.28	0.01	0.28
(1,626)	1:120:A:LEU:HB2	1:121:A:VAL:H	20	0.28	0.02	0.28
(1,872)	1:210:B:VAL:HA	1:211:B:ASP:HB3	20	0.27	0.03	0.26
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD1	20	0.27	0.04	0.28
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD2	20	0.27	0.04	0.28
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD1	20	0.27	0.04	0.28
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD2	20	0.27	0.04	0.28
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD1	20	0.27	0.04	0.28
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD2	20	0.27	0.04	0.28
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG11	20	0.27	0.01	0.27

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG12	20	0.27	0.01	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG13	20	0.27	0.01	0.27
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG11	20	0.27	0.01	0.27
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG12	20	0.27	0.01	0.27
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG13	20	0.27	0.01	0.27
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG11	20	0.27	0.01	0.27
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG12	20	0.27	0.01	0.27
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG13	20	0.27	0.01	0.27
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD1	20	0.26	0.06	0.26
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD2	20	0.26	0.06	0.26
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD1	20	0.26	0.06	0.26
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD2	20	0.26	0.06	0.26
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD1	20	0.26	0.06	0.26
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD2	20	0.26	0.06	0.26
(1,1146)	1:110:A:VAL:HG11	1:114:A:ASP:HB2	20	0.26	0.05	0.26
(1,1146)	1:110:A:VAL:HG12	1:114:A:ASP:HB2	20	0.26	0.05	0.26
(1,1146)	1:110:A:VAL:HG13	1:114:A:ASP:HB2	20	0.26	0.05	0.26
(1,247)	1:159:A:GLU:H	1:159:A:GLU:HB3	20	0.26	0.02	0.26
(1,1768)	1:121:A:VAL:HG11	1:126:A:ASN:HD22	20	0.24	0.09	0.23
(1,1768)	1:121:A:VAL:HG12	1:126:A:ASN:HD22	20	0.24	0.09	0.23
(1,1768)	1:121:A:VAL:HG13	1:126:A:ASN:HD22	20	0.24	0.09	0.23
(1,1768)	1:121:A:VAL:HG21	1:126:A:ASN:HD22	20	0.24	0.09	0.23
(1,1768)	1:121:A:VAL:HG22	1:126:A:ASN:HD22	20	0.24	0.09	0.23
(1,1768)	1:121:A:VAL:HG23	1:126:A:ASN:HD22	20	0.24	0.09	0.23
(1,499)	1:259:B:GLU:H	1:259:B:GLU:HB3	20	0.24	0.02	0.24
(1,90)	1:124:A:ASN:HA	1:124:A:ASN:HD22	20	0.23	0.04	0.23
(1,502)	1:259:B:GLU:H	1:259:B:GLU:HG2	20	0.22	0.02	0.22
(1,250)	1:159:A:GLU:H	1:159:A:GLU:HG2	20	0.21	0.03	0.2
(1,522)	1:105:A:HIS:HB3	1:106:A:PHE:H	20	0.19	0.02	0.18
(1,838)	1:205:B:HIS:HB3	1:206:B:PHE:H	20	0.18	0.03	0.18
(1,43)	1:114:A:ASP:H	1:114:A:ASP:HB3	20	0.18	0.01	0.18
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD11	20	0.17	0.01	0.17
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD12	20	0.17	0.01	0.17
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD13	20	0.17	0.01	0.17
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD11	20	0.16	0.02	0.16
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD12	20	0.16	0.02	0.16
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD13	20	0.16	0.02	0.16
(1,147)	1:139:A:GLN:HA	1:139:A:GLN:HB3	20	0.16	0.0	0.16
(1,399)	1:239:B:GLN:HA	1:239:B:GLN:HB3	20	0.16	0.01	0.16
(1,1647)	1:110:A:VAL:HA	1:117:A:ARG:HG2	19	1.56	0.24	1.45
(1,2062)	1:105:A:HIS:HA	1:258:B:ILE:HG12	19	0.9	0.08	0.89
(1,1377)	1:213:B:ALA:HA	1:215:B:LYS:HG3	19	0.64	0.64	0.17

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,495)	1:258:B:ILE:H	1:258:B:ILE:HG12	19	0.57	0.04	0.58
(1,507)	1:102:A:ASN:HA	1:103:A:LYS:HG3	19	0.54	0.23	0.58
(1,2102)	1:107:A:GLU:HG3	1:258:B:ILE:HB	19	0.43	0.31	0.37
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG11	19	0.38	0.06	0.36
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG12	19	0.38	0.06	0.36
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG13	19	0.38	0.06	0.36
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG11	19	0.38	0.06	0.36
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG12	19	0.38	0.06	0.36
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG13	19	0.38	0.06	0.36
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG11	19	0.38	0.06	0.36
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG12	19	0.38	0.06	0.36
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG13	19	0.38	0.06	0.36
(1,2070)	1:105:A:HIS:HD2	1:258:B:ILE:HG12	19	0.37	0.02	0.37
(1,1309)	1:147:A:SER:HB3	1:149:A:LYS:H	19	0.34	0.1	0.38
(1,2281)	1:156:A:ASP:HB2	1:205:B:HIS:HB3	19	0.27	0.09	0.25
(1,2281)	1:156:A:ASP:HB3	1:205:B:HIS:HB3	19	0.27	0.09	0.25
(1,2010)	1:221:B:VAL:HG11	1:226:B:ASN:HD22	19	0.27	0.07	0.27
(1,2010)	1:221:B:VAL:HG12	1:226:B:ASN:HD22	19	0.27	0.07	0.27
(1,2010)	1:221:B:VAL:HG13	1:226:B:ASN:HD22	19	0.27	0.07	0.27
(1,2010)	1:221:B:VAL:HG21	1:226:B:ASN:HD22	19	0.27	0.07	0.27
(1,2010)	1:221:B:VAL:HG22	1:226:B:ASN:HD22	19	0.27	0.07	0.27
(1,2010)	1:221:B:VAL:HG23	1:226:B:ASN:HD22	19	0.27	0.07	0.27
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG11	19	0.26	0.04	0.26
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG12	19	0.26	0.04	0.26
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG13	19	0.26	0.04	0.26
(1,601)	1:117:A:ARG:HG3	1:118:A:TRP:H	19	0.21	0.05	0.23
(1,342)	1:224:B:ASN:HA	1:224:B:ASN:HD22	19	0.2	0.04	0.2
(1,591)	1:115:A:LYS:HB2	1:116:A:TYR:H	19	0.17	0.02	0.17
(1,2024)	1:231:B:SER:HB2	1:244:B:GLY:H	19	0.15	0.03	0.15
(1,2024)	1:231:B:SER:HB3	1:244:B:GLY:H	19	0.15	0.03	0.15
(1,1094)	1:251:B:ASN:HD22	1:252:B:ALA:H	19	0.15	0.02	0.15
(1,1543)	1:252:B:ALA:H	1:254:B:ASP:H	19	0.15	0.02	0.15
(1,778)	1:151:A:ASN:HD22	1:152:A:ALA:H	19	0.15	0.02	0.15
(1,1337)	1:152:A:ALA:H	1:154:A:ASP:H	19	0.13	0.02	0.12
(1,1302)	1:146:A:GLU:HA	1:148:A:VAL:H	19	0.12	0.01	0.12
(1,1358)	1:210:B:VAL:HG21	1:214:B:ASP:HA	18	0.66	0.04	0.66
(1,1358)	1:210:B:VAL:HG22	1:214:B:ASP:HA	18	0.66	0.04	0.66
(1,1358)	1:210:B:VAL:HG23	1:214:B:ASP:HA	18	0.66	0.04	0.66
(1,261)	1:203:B:LYS:H	1:203:B:LYS:HG3	18	0.43	0.1	0.45
(1,254)	1:203:B:LYS:HA	1:203:B:LYS:HG3	18	0.36	0.04	0.37
(1,1352)	1:210:B:VAL:HG11	1:214:B:ASP:HB2	18	0.26	0.07	0.27
(1,1352)	1:210:B:VAL:HG12	1:214:B:ASP:HB2	18	0.26	0.07	0.27

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1352)	1:210:B:VAL:HG13	1:214:B:ASP:HB2	18	0.26	0.07	0.27
(1,962)	1:225:B:GLY:HA3	1:226:B:ASN:HD21	18	0.22	0.2	0.15
(1,582)	1:114:A:ASP:HA	1:115:A:LYS:HE2	18	0.21	0.05	0.21
(1,582)	1:114:A:ASP:HA	1:115:A:LYS:HE3	18	0.21	0.05	0.21
(1,1136)	1:259:B:GLU:HB2	1:260:B:ALA:H	18	0.18	0.02	0.18
(1,295)	1:214:B:ASP:H	1:214:B:ASP:HB3	18	0.17	0.02	0.17
(1,2022)	1:231:B:SER:HA	1:245:B:ILE:HA	18	0.16	0.03	0.16
(1,907)	1:215:B:LYS:HB2	1:216:B:TYR:H	18	0.16	0.04	0.16
(1,2076)	1:106:A:PHE:HB2	1:256:B:ASP:HA	18	0.14	0.03	0.13
(1,585)	1:114:A:ASP:HB3	1:115:A:LYS:HD3	17	1.22	0.1	1.22
(1,2064)	1:105:A:HIS:HB3	1:256:B:ASP:HB2	17	0.26	0.08	0.27
(1,2064)	1:105:A:HIS:HB3	1:256:B:ASP:HB3	17	0.26	0.08	0.27
(1,592)	1:115:A:LYS:HG3	1:116:A:TYR:H	17	0.19	0.02	0.19
(1,1780)	1:131:A:SER:HA	1:145:A:ILE:HA	17	0.17	0.04	0.16
(1,1782)	1:131:A:SER:HB2	1:144:A:GLY:H	17	0.15	0.03	0.15
(1,1782)	1:131:A:SER:HB3	1:144:A:GLY:H	17	0.15	0.03	0.15
(1,1889)	1:210:B:VAL:HA	1:217:B:ARG:HG2	16	1.65	0.2	1.72
(1,646)	1:125:A:GLY:HA3	1:126:A:ASN:HD21	16	0.23	0.21	0.16
(1,917)	1:217:B:ARG:HG3	1:218:B:TRP:H	16	0.2	0.05	0.21
(1,820)	1:159:A:GLU:HB2	1:160:A:ALA:H	16	0.16	0.03	0.16
(1,9)	1:103:A:LYS:H	1:103:A:LYS:HG3	15	0.43	0.11	0.42
(1,2)	1:103:A:LYS:HA	1:103:A:LYS:HG3	15	0.36	0.04	0.37
(1,796)	1:154:A:ASP:HA	1:155:A:ALA:H	15	0.13	0.01	0.13
(1,2278)	1:156:A:ASP:HA	1:206:B:PHE:HB2	15	0.13	0.02	0.13
(1,803)	1:155:A:ALA:HB1	1:156:A:ASP:H	15	0.13	0.01	0.13
(1,803)	1:155:A:ALA:HB2	1:156:A:ASP:H	15	0.13	0.01	0.13
(1,803)	1:155:A:ALA:HB3	1:156:A:ASP:H	15	0.13	0.01	0.13
(1,846)	1:206:B:PHE:HD1	1:207:B:GLU:HB2	15	0.13	0.01	0.12
(1,846)	1:206:B:PHE:HD1	1:207:B:GLU:HB3	15	0.13	0.01	0.12
(1,846)	1:206:B:PHE:HD2	1:207:B:GLU:HB2	15	0.13	0.01	0.12
(1,846)	1:206:B:PHE:HD2	1:207:B:GLU:HB3	15	0.13	0.01	0.12
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD11	15	0.11	0.01	0.11
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD12	15	0.11	0.01	0.11
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD13	15	0.11	0.01	0.11
(1,1383)	1:215:B:LYS:HB2	1:217:B:ARG:HG2	14	0.48	0.23	0.44
(1,256)	1:203:B:LYS:HB2	1:203:B:LYS:HE2	14	0.28	0.12	0.35
(1,256)	1:203:B:LYS:HB2	1:203:B:LYS:HE3	14	0.28	0.12	0.35
(1,612)	1:118:A:TRP:HB2	1:119:A:ARG:HD2	14	0.23	0.06	0.24
(1,612)	1:118:A:TRP:HB2	1:119:A:ARG:HD3	14	0.23	0.06	0.24
(1,928)	1:218:B:TRP:HB2	1:219:B:ARG:HD2	14	0.2	0.06	0.22
(1,928)	1:218:B:TRP:HB2	1:219:B:ARG:HD3	14	0.2	0.06	0.22
(1,2296)	1:157:A:VAL:HG11	1:206:B:PHE:HB3	14	0.13	0.02	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2296)	1:157:A:VAL:HG12	1:206:B:PHE:HB3	14	0.13	0.02	0.14
(1,2296)	1:157:A:VAL:HG13	1:206:B:PHE:HB3	14	0.13	0.02	0.14
(1,530)	1:106:A:PHE:HD1	1:107:A:GLU:HB2	14	0.12	0.02	0.12
(1,530)	1:106:A:PHE:HD1	1:107:A:GLU:HB3	14	0.12	0.02	0.12
(1,530)	1:106:A:PHE:HD2	1:107:A:GLU:HB2	14	0.12	0.02	0.12
(1,530)	1:106:A:PHE:HD2	1:107:A:GLU:HB3	14	0.12	0.02	0.12
(1,1119)	1:255:B:ALA:HB1	1:256:B:ASP:H	14	0.12	0.01	0.12
(1,1119)	1:255:B:ALA:HB2	1:256:B:ASP:H	14	0.12	0.01	0.12
(1,1119)	1:255:B:ALA:HB3	1:256:B:ASP:H	14	0.12	0.01	0.12
(1,1508)	1:246:B:GLU:HA	1:248:B:VAL:H	14	0.12	0.01	0.12
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD11	14	0.12	0.01	0.12
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD12	14	0.12	0.01	0.12
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD13	14	0.12	0.01	0.12
(1,901)	1:214:B:ASP:HB3	1:215:B:LYS:HD3	13	1.03	0.35	1.17
(1,1907)	1:215:B:LYS:HG2	1:235:B:TYR:H	13	0.31	0.16	0.4
(1,898)	1:214:B:ASP:HA	1:215:B:LYS:HE2	13	0.2	0.04	0.21
(1,898)	1:214:B:ASP:HA	1:215:B:LYS:HE3	13	0.2	0.04	0.21
(1,1665)	1:115:A:LYS:HG2	1:135:A:TYR:H	13	0.2	0.13	0.13
(1,908)	1:215:B:LYS:HG3	1:216:B:TYR:H	13	0.19	0.03	0.19
(1,1282)	1:143:A:GLN:HA	1:146:A:GLU:HG2	13	0.15	0.03	0.15
(1,998)	1:232:B:GLY:H	1:233:B:GLU:H	13	0.15	0.03	0.14
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG11	13	0.13	0.01	0.13
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG12	13	0.13	0.01	0.13
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG13	13	0.13	0.01	0.13
(1,699)	1:137:A:SER:HB2	1:138:A:LYS:H	13	0.12	0.01	0.12
(1,306)	1:215:B:LYS:H	1:215:B:LYS:HG3	12	0.7	0.48	1.09
(1,1177)	1:115:A:LYS:HB2	1:117:A:ARG:HG2	12	0.55	0.24	0.66
(1,4)	1:103:A:LYS:HB2	1:103:A:LYS:HE2	12	0.3	0.11	0.36
(1,4)	1:103:A:LYS:HB2	1:103:A:LYS:HE3	12	0.3	0.11	0.36
(1,1221)	1:131:A:SER:HB2	1:133:A:GLU:HB3	12	0.17	0.05	0.18
(1,1221)	1:131:A:SER:HB3	1:133:A:GLU:HB3	12	0.17	0.05	0.18
(1,729)	1:142:A:LYS:HE2	1:143:A:GLN:HE21	12	0.16	0.05	0.15
(1,814)	1:158:A:ILE:HD11	1:159:A:GLU:H	12	0.14	0.02	0.14
(1,814)	1:158:A:ILE:HD12	1:159:A:GLU:H	12	0.14	0.02	0.14
(1,814)	1:158:A:ILE:HD13	1:159:A:GLU:H	12	0.14	0.02	0.14
(1,1023)	1:238:B:LYS:H	1:239:B:GLN:HB2	11	0.17	0.07	0.16
(1,1045)	1:242:B:LYS:HE2	1:243:B:GLN:HE21	11	0.17	0.04	0.17
(1,1129)	1:258:B:ILE:HB	1:259:B:GLU:H	11	0.13	0.03	0.13
(1,801)	1:155:A:ALA:HA	1:156:A:ASP:HB2	11	0.13	0.01	0.13
(1,801)	1:155:A:ALA:HA	1:156:A:ASP:HB3	11	0.13	0.01	0.13
(1,2329)	1:158:A:ILE:H	1:245:B:ILE:HG21	11	0.13	0.03	0.13
(1,2329)	1:158:A:ILE:H	1:245:B:ILE:HG22	11	0.13	0.03	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2329)	1:158:A:ILE:H	1:245:B:ILE:HG23	11	0.13	0.03	0.13
(1,1015)	1:237:B:SER:HB2	1:238:B:LYS:H	11	0.12	0.01	0.12
(1,1112)	1:254:B:ASP:HA	1:255:B:ALA:H	11	0.12	0.02	0.11
(1,1374)	1:211:B:ASP:H	1:215:B:LYS:HG3	10	0.65	0.36	0.86
(1,2192)	1:142:A:LYS:HB2	1:257:B:VAL:HG21	10	0.39	0.17	0.44
(1,2192)	1:142:A:LYS:HB2	1:257:B:VAL:HG22	10	0.39	0.17	0.44
(1,2192)	1:142:A:LYS:HB2	1:257:B:VAL:HG23	10	0.39	0.17	0.44
(1,1427)	1:231:B:SER:HB2	1:233:B:GLU:HB3	10	0.22	0.06	0.2
(1,1427)	1:231:B:SER:HB3	1:233:B:GLU:HB3	10	0.22	0.06	0.2
(1,2316)	1:158:A:ILE:HD11	1:207:B:GLU:HG3	10	0.2	0.1	0.16
(1,2316)	1:158:A:ILE:HD12	1:207:B:GLU:HG3	10	0.2	0.1	0.16
(1,2316)	1:158:A:ILE:HD13	1:207:B:GLU:HG3	10	0.2	0.1	0.16
(1,1488)	1:243:B:GLN:HA	1:246:B:GLU:HG2	10	0.16	0.02	0.16
(1,2234)	1:151:A:ASN:HD22	1:201:B:MET:HE1	10	0.15	0.04	0.14
(1,2234)	1:151:A:ASN:HD22	1:201:B:MET:HE2	10	0.15	0.04	0.14
(1,2234)	1:151:A:ASN:HD22	1:201:B:MET:HE3	10	0.15	0.04	0.14
(1,2035)	1:101:A:MET:HE1	1:251:B:ASN:HD22	10	0.14	0.02	0.14
(1,2035)	1:101:A:MET:HE2	1:251:B:ASN:HD22	10	0.14	0.02	0.14
(1,2035)	1:101:A:MET:HE3	1:251:B:ASN:HD22	10	0.14	0.02	0.14
(1,682)	1:132:A:GLY:H	1:133:A:GLU:H	10	0.13	0.01	0.13
(1,1718)	1:118:A:TRP:HE1	1:145:A:ILE:HD11	10	0.13	0.02	0.14
(1,1718)	1:118:A:TRP:HE1	1:145:A:ILE:HD12	10	0.13	0.02	0.14
(1,1718)	1:118:A:TRP:HE1	1:145:A:ILE:HD13	10	0.13	0.02	0.14
(1,1130)	1:258:B:ILE:HD11	1:259:B:GLU:H	10	0.13	0.01	0.13
(1,1130)	1:258:B:ILE:HD12	1:259:B:GLU:H	10	0.13	0.01	0.13
(1,1130)	1:258:B:ILE:HD13	1:259:B:GLU:H	10	0.13	0.01	0.13
(1,2202)	1:145:A:ILE:HG21	1:258:B:ILE:H	10	0.12	0.02	0.12
(1,2202)	1:145:A:ILE:HG22	1:258:B:ILE:H	10	0.12	0.02	0.12
(1,2202)	1:145:A:ILE:HG23	1:258:B:ILE:H	10	0.12	0.02	0.12
(1,1832)	1:206:B:PHE:H	1:220:B:LEU:HD21	10	0.11	0.02	0.11
(1,1832)	1:206:B:PHE:H	1:220:B:LEU:HD22	10	0.11	0.02	0.11
(1,1832)	1:206:B:PHE:H	1:220:B:LEU:HD23	10	0.11	0.02	0.11
(1,2011)	1:221:B:VAL:H	1:228:B:LEU:HD11	10	0.11	0.01	0.11
(1,2011)	1:221:B:VAL:H	1:228:B:LEU:HD12	10	0.11	0.01	0.11
(1,2011)	1:221:B:VAL:H	1:228:B:LEU:HD13	10	0.11	0.01	0.11
(1,2304)	1:157:A:VAL:HG21	1:242:B:LYS:HB2	9	0.32	0.12	0.33
(1,2304)	1:157:A:VAL:HG22	1:242:B:LYS:HB2	9	0.32	0.12	0.33
(1,2304)	1:157:A:VAL:HG23	1:242:B:LYS:HB2	9	0.32	0.12	0.33
(1,1409)	1:224:B:ASN:HD22	1:228:B:LEU:HD21	9	0.29	0.07	0.32
(1,1409)	1:224:B:ASN:HD22	1:228:B:LEU:HD22	9	0.29	0.07	0.32
(1,1409)	1:224:B:ASN:HD22	1:228:B:LEU:HD23	9	0.29	0.07	0.32
(1,52)	1:115:A:LYS:H	1:115:A:LYS:HD3	9	0.14	0.02	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1305)	1:146:A:GLU:HA	1:149:A:LYS:H	9	0.13	0.01	0.13
(1,1158)	1:111:A:ASP:HB3	1:115:A:LYS:HB3	9	0.13	0.02	0.14
(1,452)	1:246:B:GLU:H	1:246:B:GLU:HG3	9	0.13	0.01	0.13
(1,1117)	1:255:B:ALA:HA	1:256:B:ASP:HB2	9	0.12	0.01	0.11
(1,1117)	1:255:B:ALA:HA	1:256:B:ASP:HB3	9	0.12	0.01	0.11
(1,1960)	1:218:B:TRP:HE1	1:245:B:ILE:HD11	9	0.12	0.02	0.11
(1,1960)	1:218:B:TRP:HE1	1:245:B:ILE:HD12	9	0.12	0.02	0.11
(1,1960)	1:218:B:TRP:HE1	1:245:B:ILE:HD13	9	0.12	0.02	0.11
(1,1050)	1:244:B:GLY:H	1:245:B:ILE:HD11	9	0.11	0.01	0.11
(1,1050)	1:244:B:GLY:H	1:245:B:ILE:HD12	9	0.11	0.01	0.11
(1,1050)	1:244:B:GLY:H	1:245:B:ILE:HD13	9	0.11	0.01	0.11
(1,396)	1:238:B:LYS:H	1:238:B:LYS:HE2	9	0.11	0.01	0.11
(1,396)	1:238:B:LYS:H	1:238:B:LYS:HE3	9	0.11	0.01	0.11
(1,554)	1:109:A:PHE:HE1	1:110:A:VAL:H	9	0.11	0.01	0.11
(1,554)	1:109:A:PHE:HE2	1:110:A:VAL:H	9	0.11	0.01	0.11
(1,465)	1:250:B:ARG:HA	1:250:B:ARG:HD2	9	0.11	0.01	0.11
(1,465)	1:250:B:ARG:HA	1:250:B:ARG:HD3	9	0.11	0.01	0.11
(1,1203)	1:124:A:ASN:HD22	1:128:A:LEU:HD21	8	0.2	0.09	0.17
(1,1203)	1:124:A:ASN:HD22	1:128:A:LEU:HD22	8	0.2	0.09	0.17
(1,1203)	1:124:A:ASN:HD22	1:128:A:LEU:HD23	8	0.2	0.09	0.17
(1,1113)	1:254:B:ASP:HB3	1:255:B:ALA:H	8	0.18	0.05	0.17
(1,213)	1:150:A:ARG:HA	1:150:A:ARG:HD2	8	0.16	0.06	0.12
(1,213)	1:150:A:ARG:HA	1:150:A:ARG:HD3	8	0.16	0.06	0.12
(1,1590)	1:106:A:PHE:H	1:120:A:LEU:HD21	8	0.13	0.02	0.13
(1,1590)	1:106:A:PHE:H	1:120:A:LEU:HD22	8	0.13	0.02	0.13
(1,1590)	1:106:A:PHE:H	1:120:A:LEU:HD23	8	0.13	0.02	0.13
(1,1577)	1:106:A:PHE:HD1	1:119:A:ARG:HA	8	0.12	0.01	0.12
(1,1577)	1:106:A:PHE:HD2	1:119:A:ARG:HA	8	0.12	0.01	0.12
(1,1511)	1:246:B:GLU:HA	1:249:B:LYS:H	8	0.12	0.01	0.12
(1,1963)	1:218:B:TRP:HE1	1:246:B:GLU:H	8	0.12	0.01	0.12
(2,76)	1:237:B:SER:O	1:241:B:ALA:H	8	0.11	0.02	0.11
(1,1122)	1:256:B:ASP:HA	1:257:B:VAL:HG11	7	1.82	0.02	1.83
(1,1122)	1:256:B:ASP:HA	1:257:B:VAL:HG12	7	1.82	0.02	1.83
(1,1122)	1:256:B:ASP:HA	1:257:B:VAL:HG13	7	1.82	0.02	1.83
(1,1127)	1:257:B:VAL:HG21	1:258:B:ILE:H	7	1.52	0.02	1.51
(1,1127)	1:257:B:VAL:HG22	1:258:B:ILE:H	7	1.52	0.02	1.51
(1,1127)	1:257:B:VAL:HG23	1:258:B:ILE:H	7	1.52	0.02	1.51
(1,489)	1:257:B:VAL:H	1:257:B:VAL:HG11	7	1.25	0.0	1.25
(1,489)	1:257:B:VAL:H	1:257:B:VAL:HG12	7	1.25	0.0	1.25
(1,489)	1:257:B:VAL:H	1:257:B:VAL:HG13	7	1.25	0.0	1.25
(1,899)	1:214:B:ASP:HA	1:215:B:LYS:HG3	7	1.24	0.03	1.23
(1,1362)	1:211:B:ASP:HA	1:215:B:LYS:HG3	7	0.73	0.04	0.74

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2085)	1:106:A:PHE:HD1	1:257:B:VAL:HG11	7	0.7	0.05	0.69
(1,2085)	1:106:A:PHE:HD1	1:257:B:VAL:HG12	7	0.7	0.05	0.69
(1,2085)	1:106:A:PHE:HD1	1:257:B:VAL:HG13	7	0.7	0.05	0.69
(1,2085)	1:106:A:PHE:HD2	1:257:B:VAL:HG11	7	0.7	0.05	0.69
(1,2085)	1:106:A:PHE:HD2	1:257:B:VAL:HG12	7	0.7	0.05	0.69
(1,2085)	1:106:A:PHE:HD2	1:257:B:VAL:HG13	7	0.7	0.05	0.69
(1,2199)	1:145:A:ILE:HG21	1:257:B:VAL:HG11	7	0.6	0.05	0.61
(1,2199)	1:145:A:ILE:HG21	1:257:B:VAL:HG12	7	0.6	0.05	0.61
(1,2199)	1:145:A:ILE:HG21	1:257:B:VAL:HG13	7	0.6	0.05	0.61
(1,2199)	1:145:A:ILE:HG22	1:257:B:VAL:HG11	7	0.6	0.05	0.61
(1,2199)	1:145:A:ILE:HG22	1:257:B:VAL:HG12	7	0.6	0.05	0.61
(1,2199)	1:145:A:ILE:HG22	1:257:B:VAL:HG13	7	0.6	0.05	0.61
(1,2199)	1:145:A:ILE:HG23	1:257:B:VAL:HG11	7	0.6	0.05	0.61
(1,2199)	1:145:A:ILE:HG23	1:257:B:VAL:HG12	7	0.6	0.05	0.61
(1,2199)	1:145:A:ILE:HG23	1:257:B:VAL:HG13	7	0.6	0.05	0.61
(1,1025)	1:239:B:GLN:HB2	1:240:B:LYS:H	7	0.12	0.01	0.12
(1,1609)	1:108:A:VAL:HB	1:118:A:TRP:HB2	7	0.12	0.01	0.12
(1,621)	1:119:A:ARG:H	1:120:A:LEU:HD11	7	0.11	0.01	0.1
(1,621)	1:119:A:ARG:H	1:120:A:LEU:HD12	7	0.11	0.01	0.1
(1,621)	1:119:A:ARG:H	1:120:A:LEU:HD13	7	0.11	0.01	0.1
(1,734)	1:144:A:GLY:H	1:145:A:ILE:HD11	7	0.11	0.01	0.11
(1,734)	1:144:A:GLY:H	1:145:A:ILE:HD12	7	0.11	0.01	0.11
(1,734)	1:144:A:GLY:H	1:145:A:ILE:HD13	7	0.11	0.01	0.11
(1,472)	1:250:B:ARG:H	1:250:B:ARG:HD2	6	0.16	0.06	0.12
(1,472)	1:250:B:ARG:H	1:250:B:ARG:HD3	6	0.16	0.06	0.12
(1,1737)	1:119:A:ARG:HD2	1:131:A:SER:H	6	0.16	0.05	0.15
(1,1737)	1:119:A:ARG:HD3	1:131:A:SER:H	6	0.16	0.05	0.15
(1,707)	1:138:A:LYS:H	1:139:A:GLN:HB2	6	0.15	0.04	0.15
(1,813)	1:158:A:ILE:HB	1:159:A:GLU:H	6	0.14	0.03	0.13
(1,200)	1:146:A:GLU:H	1:146:A:GLU:HG3	6	0.12	0.01	0.12
(2,30)	1:137:A:SER:O	1:141:A:ALA:H	6	0.12	0.01	0.12
(1,1233)	1:137:A:SER:HB2	1:139:A:GLN:H	6	0.12	0.01	0.12
(1,1030)	1:240:B:LYS:HG3	1:241:B:ALA:HA	6	0.11	0.01	0.12
(1,909)	1:215:B:LYS:HG2	1:216:B:TYR:H	6	0.11	0.01	0.11
(2,84)	1:241:B:ALA:O	1:245:B:ILE:H	6	0.11	0.01	0.11
(1,54)	1:115:A:LYS:H	1:115:A:LYS:HG3	5	0.7	0.46	1.06
(1,1)	1:103:A:LYS:HA	1:103:A:LYS:HD2	5	0.26	0.04	0.28
(1,1)	1:103:A:LYS:HA	1:103:A:LYS:HD3	5	0.26	0.04	0.28
(1,143)	1:138:A:LYS:H	1:138:A:LYS:HD2	5	0.26	0.02	0.25
(1,143)	1:138:A:LYS:H	1:138:A:LYS:HD3	5	0.26	0.02	0.25
(1,2189)	1:133:A:GLU:HG3	1:227:B:ILE:HG21	5	0.25	0.12	0.2
(1,2189)	1:133:A:GLU:HG3	1:227:B:ILE:HG22	5	0.25	0.12	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2189)	1:133:A:GLU:HG3	1:227:B:ILE:HG23	5	0.25	0.12	0.2
(1,1738)	1:119:A:ARG:HG2	1:131:A:SER:H	5	0.25	0.02	0.26
(1,1738)	1:119:A:ARG:HG3	1:131:A:SER:H	5	0.25	0.02	0.26
(1,2143)	1:127:A:ILE:HG21	1:233:B:GLU:HG3	5	0.19	0.04	0.17
(1,2143)	1:127:A:ILE:HG22	1:233:B:GLU:HG3	5	0.19	0.04	0.17
(1,2143)	1:127:A:ILE:HG23	1:233:B:GLU:HG3	5	0.19	0.04	0.17
(1,1085)	1:250:B:ARG:HG3	1:251:B:ASN:HD21	5	0.16	0.04	0.14
(1,1979)	1:219:B:ARG:HD2	1:231:B:SER:H	5	0.16	0.04	0.14
(1,1979)	1:219:B:ARG:HD3	1:231:B:SER:H	5	0.16	0.04	0.14
(1,1856)	1:208:B:VAL:HG11	1:218:B:TRP:H	5	0.15	0.05	0.13
(1,1856)	1:208:B:VAL:HG12	1:218:B:TRP:H	5	0.15	0.05	0.13
(1,1856)	1:208:B:VAL:HG13	1:218:B:TRP:H	5	0.15	0.05	0.13
(1,1004)	1:233:B:GLU:HG2	1:234:B:GLY:H	5	0.15	0.02	0.16
(1,688)	1:133:A:GLU:HG2	1:134:A:GLY:H	5	0.14	0.03	0.13
(1,2335)	1:160:A:ALA:HB1	1:209:B:PHE:HD1	5	0.13	0.02	0.12
(1,2335)	1:160:A:ALA:HB1	1:209:B:PHE:HD2	5	0.13	0.02	0.12
(1,2335)	1:160:A:ALA:HB2	1:209:B:PHE:HD1	5	0.13	0.02	0.12
(1,2335)	1:160:A:ALA:HB2	1:209:B:PHE:HD2	5	0.13	0.02	0.12
(1,2335)	1:160:A:ALA:HB3	1:209:B:PHE:HD1	5	0.13	0.02	0.12
(1,2335)	1:160:A:ALA:HB3	1:209:B:PHE:HD2	5	0.13	0.02	0.12
(1,1455)	1:239:B:GLN:HB2	1:243:B:GLN:HE21	5	0.13	0.03	0.11
(1,1364)	1:211:B:ASP:HB3	1:215:B:LYS:HB3	5	0.13	0.02	0.14
(1,709)	1:139:A:GLN:HB2	1:140:A:LYS:H	5	0.12	0.01	0.12
(1,304)	1:215:B:LYS:H	1:215:B:LYS:HD3	5	0.12	0.01	0.12
(2,38)	1:141:A:ALA:O	1:145:A:ILE:H	5	0.11	0.01	0.11
(1,806)	1:156:A:ASP:HA	1:157:A:VAL:HG11	4	1.83	0.01	1.83
(1,806)	1:156:A:ASP:HA	1:157:A:VAL:HG12	4	1.83	0.01	1.83
(1,806)	1:156:A:ASP:HA	1:157:A:VAL:HG13	4	1.83	0.01	1.83
(1,811)	1:157:A:VAL:HG21	1:158:A:ILE:H	4	1.52	0.01	1.52
(1,811)	1:157:A:VAL:HG22	1:158:A:ILE:H	4	1.52	0.01	1.52
(1,811)	1:157:A:VAL:HG23	1:158:A:ILE:H	4	1.52	0.01	1.52
(1,237)	1:157:A:VAL:H	1:157:A:VAL:HG11	4	1.25	0.0	1.25
(1,237)	1:157:A:VAL:H	1:157:A:VAL:HG12	4	1.25	0.0	1.25
(1,237)	1:157:A:VAL:H	1:157:A:VAL:HG13	4	1.25	0.0	1.25
(1,2298)	1:157:A:VAL:HG11	1:206:B:PHE:HD1	4	0.73	0.04	0.74
(1,2298)	1:157:A:VAL:HG11	1:206:B:PHE:HD2	4	0.73	0.04	0.74
(1,2298)	1:157:A:VAL:HG12	1:206:B:PHE:HD1	4	0.73	0.04	0.74
(1,2298)	1:157:A:VAL:HG12	1:206:B:PHE:HD2	4	0.73	0.04	0.74
(1,2298)	1:157:A:VAL:HG13	1:206:B:PHE:HD1	4	0.73	0.04	0.74
(1,2298)	1:157:A:VAL:HG13	1:206:B:PHE:HD2	4	0.73	0.04	0.74
(1,1168)	1:111:A:ASP:H	1:115:A:LYS:HG3	4	0.67	0.31	0.82
(1,2301)	1:157:A:VAL:HG11	1:245:B:ILE:HG21	4	0.63	0.05	0.64

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2301)	1:157:A:VAL:HG11	1:245:B:ILE:HG22	4	0.63	0.05	0.64
(1,2301)	1:157:A:VAL:HG11	1:245:B:ILE:HG23	4	0.63	0.05	0.64
(1,2301)	1:157:A:VAL:HG12	1:245:B:ILE:HG21	4	0.63	0.05	0.64
(1,2301)	1:157:A:VAL:HG12	1:245:B:ILE:HG22	4	0.63	0.05	0.64
(1,2301)	1:157:A:VAL:HG12	1:245:B:ILE:HG23	4	0.63	0.05	0.64
(1,2301)	1:157:A:VAL:HG13	1:245:B:ILE:HG21	4	0.63	0.05	0.64
(1,2301)	1:157:A:VAL:HG13	1:245:B:ILE:HG22	4	0.63	0.05	0.64
(1,2301)	1:157:A:VAL:HG13	1:245:B:ILE:HG23	4	0.63	0.05	0.64
(1,648)	1:125:A:GLY:H	1:126:A:ASN:HD21	4	0.37	0.24	0.38
(1,395)	1:238:B:LYS:H	1:238:B:LYS:HD2	4	0.28	0.05	0.28
(1,395)	1:238:B:LYS:H	1:238:B:LYS:HD3	4	0.28	0.05	0.28
(1,393)	1:238:B:LYS:HG2	1:238:B:LYS:HE2	4	0.2	0.01	0.2
(1,393)	1:238:B:LYS:HG2	1:238:B:LYS:HE3	4	0.2	0.01	0.2
(1,141)	1:138:A:LYS:HG2	1:138:A:LYS:HE2	4	0.2	0.01	0.2
(1,141)	1:138:A:LYS:HG2	1:138:A:LYS:HE3	4	0.2	0.01	0.2
(1,7)	1:103:A:LYS:HG2	1:103:A:LYS:HE2	4	0.2	0.12	0.14
(1,7)	1:103:A:LYS:HG2	1:103:A:LYS:HE3	4	0.2	0.12	0.14
(1,1909)	1:216:B:TYR:HB3	1:235:B:TYR:H	4	0.19	0.0	0.19
(1,797)	1:154:A:ASP:HB3	1:155:A:ALA:H	4	0.18	0.06	0.16
(1,1249)	1:139:A:GLN:HB2	1:143:A:GLN:HE21	4	0.17	0.06	0.16
(1,2103)	1:107:A:GLU:HG3	1:258:B:ILE:HD11	4	0.16	0.04	0.14
(1,2103)	1:107:A:GLU:HG3	1:258:B:ILE:HD12	4	0.16	0.04	0.14
(1,2103)	1:107:A:GLU:HG3	1:258:B:ILE:HD13	4	0.16	0.04	0.14
(1,1614)	1:108:A:VAL:HG11	1:118:A:TRP:H	4	0.15	0.01	0.16
(1,1614)	1:108:A:VAL:HG12	1:118:A:TRP:H	4	0.15	0.01	0.16
(1,1614)	1:108:A:VAL:HG13	1:118:A:TRP:H	4	0.15	0.01	0.16
(1,848)	1:206:B:PHE:H	1:207:B:GLU:HG2	4	0.15	0.03	0.14
(1,1819)	1:206:B:PHE:HD1	1:219:B:ARG:HA	4	0.13	0.02	0.13
(1,1819)	1:206:B:PHE:HD2	1:219:B:ARG:HA	4	0.13	0.02	0.13
(1,870)	1:209:B:PHE:HE1	1:210:B:VAL:H	4	0.12	0.01	0.12
(1,870)	1:209:B:PHE:HE2	1:210:B:VAL:H	4	0.12	0.01	0.12
(1,144)	1:138:A:LYS:H	1:138:A:LYS:HE2	4	0.12	0.0	0.12
(1,144)	1:138:A:LYS:H	1:138:A:LYS:HE3	4	0.12	0.0	0.12
(1,1721)	1:118:A:TRP:HE1	1:146:A:GLU:H	4	0.12	0.01	0.12
(1,2159)	1:129:A:ALA:HB1	1:252:B:ALA:HA	4	0.12	0.02	0.11
(1,2159)	1:129:A:ALA:HB2	1:252:B:ALA:HA	4	0.12	0.02	0.11
(1,2159)	1:129:A:ALA:HB3	1:252:B:ALA:HA	4	0.12	0.02	0.11
(1,532)	1:106:A:PHE:H	1:107:A:GLU:HG2	4	0.12	0.02	0.11
(1,1851)	1:208:B:VAL:HB	1:218:B:TRP:HB2	4	0.11	0.0	0.11
(1,583)	1:114:A:ASP:HA	1:115:A:LYS:HG3	3	1.26	0.06	1.28
(1,1156)	1:111:A:ASP:HA	1:115:A:LYS:HG3	3	0.67	0.09	0.71
(1,964)	1:225:B:GLY:H	1:226:B:ASN:HD21	3	0.46	0.24	0.61

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,259)	1:203:B:LYS:HG2	1:203:B:LYS:HE2	3	0.37	0.2	0.41
(1,259)	1:203:B:LYS:HG2	1:203:B:LYS:HE3	3	0.37	0.2	0.41
(1,759)	1:149:A:LYS:H	1:150:A:ARG:HB3	3	0.2	0.01	0.2
(1,1227)	1:133:A:GLU:HG2	1:135:A:TYR:HE1	3	0.2	0.01	0.19
(1,1227)	1:133:A:GLU:HG2	1:135:A:TYR:HE2	3	0.2	0.01	0.19
(1,467)	1:250:B:ARG:HA	1:250:B:ARG:HG2	3	0.17	0.03	0.18
(1,215)	1:150:A:ARG:HA	1:150:A:ARG:HG2	3	0.17	0.04	0.17
(1,1429)	1:233:B:GLU:HA	1:235:B:TYR:HE1	3	0.17	0.04	0.16
(1,1429)	1:233:B:GLU:HA	1:235:B:TYR:HE2	3	0.17	0.04	0.16
(1,1124)	1:256:B:ASP:HB2	1:257:B:VAL:H	3	0.13	0.02	0.13
(1,1124)	1:256:B:ASP:HB3	1:257:B:VAL:H	3	0.13	0.02	0.13
(1,1341)	1:158:A:ILE:HB	1:160:A:ALA:HA	3	0.13	0.01	0.13
(1,1076)	1:249:B:LYS:H	1:250:B:ARG:HB2	3	0.12	0.01	0.12
(1,1681)	1:116:A:TYR:HE1	1:138:A:LYS:HD2	3	0.12	0.01	0.12
(1,1681)	1:116:A:TYR:HE1	1:138:A:LYS:HD3	3	0.12	0.01	0.12
(1,1681)	1:116:A:TYR:HE2	1:138:A:LYS:HD2	3	0.12	0.01	0.12
(1,1681)	1:116:A:TYR:HE2	1:138:A:LYS:HD3	3	0.12	0.01	0.12
(1,1691)	1:117:A:ARG:HD2	1:135:A:TYR:H	3	0.12	0.01	0.12
(1,1691)	1:117:A:ARG:HD3	1:135:A:TYR:H	3	0.12	0.01	0.12
(1,2241)	1:152:A:ALA:HA	1:229:B:ALA:HB1	3	0.12	0.01	0.12
(1,2241)	1:152:A:ALA:HA	1:229:B:ALA:HB2	3	0.12	0.01	0.12
(1,2241)	1:152:A:ALA:HA	1:229:B:ALA:HB3	3	0.12	0.01	0.12
(1,1505)	1:245:B:ILE:HG21	1:249:B:LYS:HG2	3	0.11	0.01	0.11
(1,1505)	1:245:B:ILE:HG21	1:249:B:LYS:HG3	3	0.11	0.01	0.11
(1,1505)	1:245:B:ILE:HG22	1:249:B:LYS:HG2	3	0.11	0.01	0.11
(1,1505)	1:245:B:ILE:HG22	1:249:B:LYS:HG3	3	0.11	0.01	0.11
(1,1505)	1:245:B:ILE:HG23	1:249:B:LYS:HG2	3	0.11	0.01	0.11
(1,1505)	1:245:B:ILE:HG23	1:249:B:LYS:HG3	3	0.11	0.01	0.11
(1,1677)	1:116:A:TYR:HE1	1:137:A:SER:HB3	3	0.11	0.0	0.11
(1,1677)	1:116:A:TYR:HE2	1:137:A:SER:HB3	3	0.11	0.0	0.11
(1,2030)	1:235:B:TYR:H	1:240:B:LYS:HB2	3	0.11	0.01	0.12
(1,2030)	1:235:B:TYR:H	1:240:B:LYS:HB3	3	0.11	0.01	0.12
(1,1439)	1:237:B:SER:HB2	1:239:B:GLN:H	3	0.11	0.0	0.11
(1,1547)	1:258:B:ILE:HB	1:260:B:ALA:HA	3	0.1	0.0	0.1
(1,1196)	1:124:A:ASN:HB2	1:126:A:ASN:HD21	2	0.53	0.01	0.53
(1,1402)	1:224:B:ASN:HB2	1:226:B:ASN:HD21	2	0.52	0.01	0.52
(1,253)	1:203:B:LYS:HA	1:203:B:LYS:HD2	2	0.34	0.04	0.34
(1,253)	1:203:B:LYS:HA	1:203:B:LYS:HD3	2	0.34	0.04	0.34
(1,1980)	1:219:B:ARG:HG2	1:231:B:SER:H	2	0.29	0.03	0.29
(1,1980)	1:219:B:ARG:HG3	1:231:B:SER:H	2	0.29	0.03	0.29
(1,220)	1:150:A:ARG:H	1:150:A:ARG:HD2	2	0.23	0.02	0.23
(1,220)	1:150:A:ARG:H	1:150:A:ARG:HD3	2	0.23	0.02	0.23

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1977)	1:219:B:ARG:HD2	1:230:B:ASP:HB3	2	0.2	0.1	0.2
(1,1977)	1:219:B:ARG:HD3	1:230:B:ASP:HB3	2	0.2	0.1	0.2
(1,1359)	1:210:B:VAL:HG21	1:214:B:ASP:HB3	2	0.16	0.01	0.16
(1,1359)	1:210:B:VAL:HG22	1:214:B:ASP:HB3	2	0.16	0.01	0.16
(1,1359)	1:210:B:VAL:HG23	1:214:B:ASP:HB3	2	0.16	0.01	0.16
(1,2033)	1:101:A:MET:HE1	1:251:B:ASN:HA	2	0.15	0.01	0.15
(1,2033)	1:101:A:MET:HE2	1:251:B:ASN:HA	2	0.15	0.01	0.15
(1,2033)	1:101:A:MET:HE3	1:251:B:ASN:HA	2	0.15	0.01	0.15
(1,1175)	1:113:A:ALA:H	1:115:A:LYS:HE2	2	0.14	0.0	0.14
(1,1175)	1:113:A:ALA:H	1:115:A:LYS:HE3	2	0.14	0.0	0.14
(1,1381)	1:213:B:ALA:H	1:215:B:LYS:HE2	2	0.14	0.02	0.14
(1,1381)	1:213:B:ALA:H	1:215:B:LYS:HE3	2	0.14	0.02	0.14
(1,714)	1:140:A:LYS:HG3	1:141:A:ALA:HA	2	0.13	0.0	0.13
(1,1433)	1:233:B:GLU:HG2	1:235:B:TYR:HE1	2	0.13	0.02	0.13
(1,1433)	1:233:B:GLU:HG2	1:235:B:TYR:HE2	2	0.13	0.02	0.13
(1,2034)	1:101:A:MET:HE1	1:251:B:ASN:HD21	2	0.13	0.03	0.13
(1,2034)	1:101:A:MET:HE2	1:251:B:ASN:HD21	2	0.13	0.03	0.13
(1,2034)	1:101:A:MET:HE3	1:251:B:ASN:HD21	2	0.13	0.03	0.13
(1,1919)	1:216:B:TYR:HE1	1:237:B:SER:HB3	2	0.12	0.01	0.12
(1,1919)	1:216:B:TYR:HE2	1:237:B:SER:HB3	2	0.12	0.01	0.12
(1,1925)	1:216:B:TYR:HE1	1:238:B:LYS:H	2	0.12	0.02	0.12
(1,1925)	1:216:B:TYR:HE2	1:238:B:LYS:H	2	0.12	0.02	0.12
(1,1923)	1:216:B:TYR:HE1	1:238:B:LYS:HD2	2	0.12	0.0	0.12
(1,1923)	1:216:B:TYR:HE1	1:238:B:LYS:HD3	2	0.12	0.0	0.12
(1,1923)	1:216:B:TYR:HE2	1:238:B:LYS:HD2	2	0.12	0.0	0.12
(1,1923)	1:216:B:TYR:HE2	1:238:B:LYS:HD3	2	0.12	0.0	0.12
(1,1953)	1:218:B:TRP:HE1	1:231:B:SER:HA	2	0.12	0.0	0.12
(1,2115)	1:109:A:PHE:HD1	1:260:B:ALA:HB1	2	0.12	0.0	0.12
(1,2115)	1:109:A:PHE:HD1	1:260:B:ALA:HB2	2	0.12	0.0	0.12
(1,2115)	1:109:A:PHE:HD1	1:260:B:ALA:HB3	2	0.12	0.0	0.12
(1,2115)	1:109:A:PHE:HD2	1:260:B:ALA:HB1	2	0.12	0.0	0.12
(1,2115)	1:109:A:PHE:HD2	1:260:B:ALA:HB2	2	0.12	0.0	0.12
(1,2115)	1:109:A:PHE:HD2	1:260:B:ALA:HB3	2	0.12	0.0	0.12
(1,1008)	1:235:B:TYR:HB3	1:236:B:ALA:HA	2	0.12	0.02	0.12
(1,1711)	1:118:A:TRP:HE1	1:131:A:SER:HA	2	0.12	0.0	0.12
(1,1908)	1:216:B:TYR:HA	1:241:B:ALA:HB1	2	0.12	0.0	0.12
(1,1908)	1:216:B:TYR:HA	1:241:B:ALA:HB2	2	0.12	0.0	0.12
(1,1908)	1:216:B:TYR:HA	1:241:B:ALA:HB3	2	0.12	0.0	0.12
(1,391)	1:238:B:LYS:HA	1:238:B:LYS:HG3	2	0.11	0.01	0.11
(1,599)	1:117:A:ARG:HB2	1:118:A:TRP:H	2	0.11	0.01	0.11
(1,672)	1:129:A:ALA:H	1:130:A:ASP:HB2	2	0.11	0.0	0.11
(1,1804)	1:205:B:HIS:H	1:220:B:LEU:HD21	2	0.11	0.0	0.11

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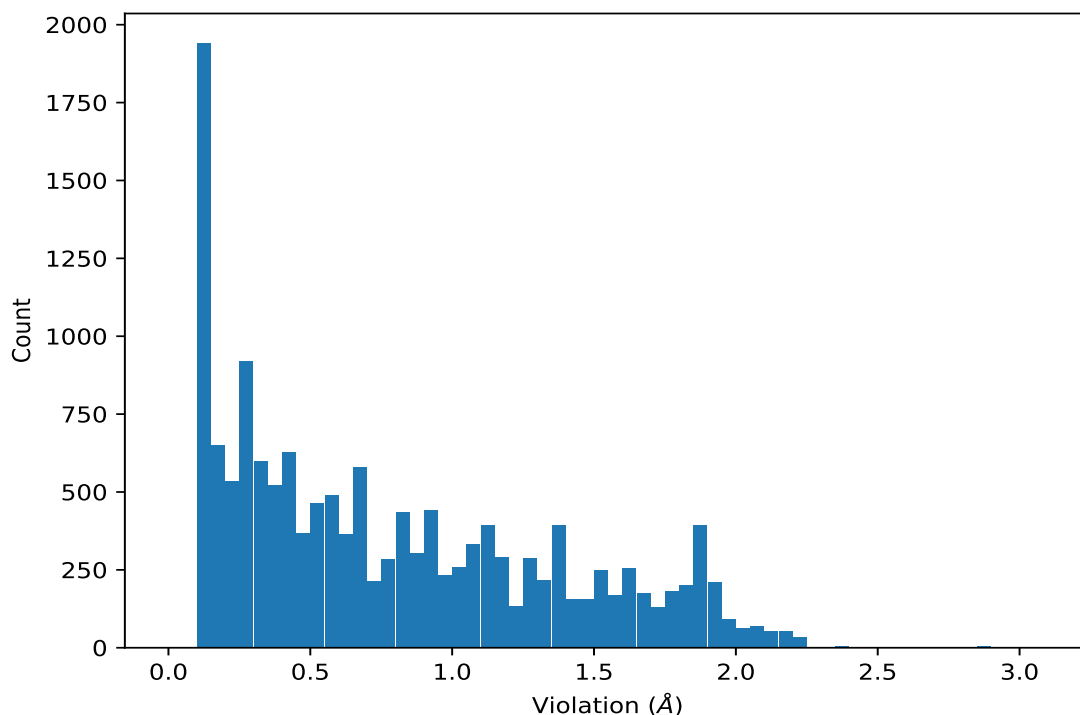
Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1804)	1:205:B:HIS:H	1:220:B:LEU:HD22	2	0.11	0.0	0.11
(1,1804)	1:205:B:HIS:H	1:220:B:LEU:HD23	2	0.11	0.0	0.11
(1,2020)	1:222:B:HIS:H	1:228:B:LEU:HD21	2	0.11	0.0	0.11
(1,2020)	1:222:B:HIS:H	1:228:B:LEU:HD22	2	0.11	0.0	0.11
(1,2020)	1:222:B:HIS:H	1:228:B:LEU:HD23	2	0.11	0.0	0.11
(1,1190)	1:122:A:HIS:HB2	1:126:A:ASN:H	2	0.11	0.0	0.11

¹Number of violated models, ²Standard deviation

9.5 All violated distance restraints [i](#)

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

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



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

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1241)	1:138:A:LYS:HG2	1:142:A:LYS:HE3	14	3.09
(1,1241)	1:138:A:LYS:HG2	1:142:A:LYS:HE3	12	3.08
(1,1447)	1:238:B:LYS:HG2	1:242:B:LYS:HE3	11	3.05
(1,1241)	1:138:A:LYS:HG2	1:142:A:LYS:HE3	8	3.03
(1,1447)	1:238:B:LYS:HG2	1:242:B:LYS:HE3	13	2.96
(1,1241)	1:138:A:LYS:HG2	1:142:A:LYS:HE3	9	2.93
(1,1241)	1:138:A:LYS:HG2	1:142:A:LYS:HE3	17	2.88
(1,1447)	1:238:B:LYS:HG2	1:242:B:LYS:HE3	20	2.85
(1,1241)	1:138:A:LYS:HG2	1:142:A:LYS:HE3	2	2.85
(1,1241)	1:138:A:LYS:HG2	1:142:A:LYS:HE3	20	2.85
(1,1447)	1:238:B:LYS:HG2	1:242:B:LYS:HE3	9	2.77
(1,1241)	1:138:A:LYS:HG2	1:142:A:LYS:HE3	16	2.77
(1,1241)	1:138:A:LYS:HG2	1:142:A:LYS:HE3	13	2.75
(1,1241)	1:138:A:LYS:HG2	1:142:A:LYS:HE3	11	2.67
(1,1241)	1:138:A:LYS:HG2	1:142:A:LYS:HE3	7	2.66
(1,1447)	1:238:B:LYS:HG2	1:242:B:LYS:HE3	1	2.65
(1,1447)	1:238:B:LYS:HG2	1:242:B:LYS:HE3	18	2.63
(1,1447)	1:238:B:LYS:HG2	1:242:B:LYS:HE3	14	2.6
(1,1447)	1:238:B:LYS:HG2	1:242:B:LYS:HE3	5	2.59
(1,1447)	1:238:B:LYS:HG2	1:242:B:LYS:HE3	8	2.57
(1,1241)	1:138:A:LYS:HG2	1:142:A:LYS:HE3	6	2.57
(1,1447)	1:238:B:LYS:HG2	1:242:B:LYS:HE3	10	2.49
(1,1241)	1:138:A:LYS:HG2	1:142:A:LYS:HE3	10	2.44
(1,1241)	1:138:A:LYS:HG2	1:142:A:LYS:HE3	18	2.43
(1,1447)	1:238:B:LYS:HG2	1:242:B:LYS:HE3	2	2.4
(1,1447)	1:238:B:LYS:HG2	1:242:B:LYS:HE3	15	2.36
(1,1241)	1:138:A:LYS:HG2	1:142:A:LYS:HE3	15	2.36
(1,1447)	1:238:B:LYS:HG2	1:242:B:LYS:HE3	3	2.35
(1,1447)	1:238:B:LYS:HG2	1:242:B:LYS:HE3	17	2.35
(1,1241)	1:138:A:LYS:HG2	1:142:A:LYS:HE3	3	2.35
(1,1447)	1:238:B:LYS:HG2	1:242:B:LYS:HE3	4	2.31
(1,1241)	1:138:A:LYS:HG2	1:142:A:LYS:HE3	5	2.29
(1,1241)	1:138:A:LYS:HG2	1:142:A:LYS:HE3	1	2.25
(1,1151)	1:110:A:VAL:HG21	1:113:A:ALA:H	10	2.24
(1,1151)	1:110:A:VAL:HG22	1:113:A:ALA:H	10	2.24
(1,1151)	1:110:A:VAL:HG23	1:113:A:ALA:H	10	2.24
(1,1447)	1:238:B:LYS:HG2	1:242:B:LYS:HE3	6	2.23
(1,1357)	1:210:B:VAL:HG21	1:213:B:ALA:H	14	2.23
(1,1357)	1:210:B:VAL:HG22	1:213:B:ALA:H	14	2.23
(1,1357)	1:210:B:VAL:HG23	1:213:B:ALA:H	14	2.23
(1,1357)	1:210:B:VAL:HG21	1:213:B:ALA:H	2	2.22
(1,1357)	1:210:B:VAL:HG22	1:213:B:ALA:H	2	2.22
(1,1357)	1:210:B:VAL:HG23	1:213:B:ALA:H	2	2.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1357)	1:210:B:VAL:HG21	1:213:B:ALA:H	13	2.22
(1,1357)	1:210:B:VAL:HG22	1:213:B:ALA:H	13	2.22
(1,1357)	1:210:B:VAL:HG23	1:213:B:ALA:H	13	2.22
(1,1357)	1:210:B:VAL:HG21	1:213:B:ALA:H	1	2.21
(1,1357)	1:210:B:VAL:HG22	1:213:B:ALA:H	1	2.21
(1,1357)	1:210:B:VAL:HG23	1:213:B:ALA:H	1	2.21
(1,1357)	1:210:B:VAL:HG21	1:213:B:ALA:H	16	2.21
(1,1357)	1:210:B:VAL:HG22	1:213:B:ALA:H	16	2.21
(1,1357)	1:210:B:VAL:HG23	1:213:B:ALA:H	16	2.21
(1,1357)	1:210:B:VAL:HG21	1:213:B:ALA:H	3	2.2
(1,1357)	1:210:B:VAL:HG22	1:213:B:ALA:H	3	2.2
(1,1357)	1:210:B:VAL:HG23	1:213:B:ALA:H	3	2.2
(1,1357)	1:210:B:VAL:HG21	1:213:B:ALA:H	4	2.2
(1,1357)	1:210:B:VAL:HG22	1:213:B:ALA:H	4	2.2
(1,1357)	1:210:B:VAL:HG23	1:213:B:ALA:H	4	2.2
(1,1357)	1:210:B:VAL:HG21	1:213:B:ALA:H	6	2.2
(1,1357)	1:210:B:VAL:HG22	1:213:B:ALA:H	6	2.2
(1,1357)	1:210:B:VAL:HG23	1:213:B:ALA:H	6	2.2
(1,1357)	1:210:B:VAL:HG21	1:213:B:ALA:H	17	2.2
(1,1357)	1:210:B:VAL:HG22	1:213:B:ALA:H	17	2.2
(1,1357)	1:210:B:VAL:HG23	1:213:B:ALA:H	17	2.2
(1,1151)	1:110:A:VAL:HG21	1:113:A:ALA:H	3	2.2
(1,1151)	1:110:A:VAL:HG22	1:113:A:ALA:H	3	2.2
(1,1151)	1:110:A:VAL:HG23	1:113:A:ALA:H	3	2.2
(1,1151)	1:110:A:VAL:HG21	1:113:A:ALA:H	15	2.19
(1,1151)	1:110:A:VAL:HG22	1:113:A:ALA:H	15	2.19
(1,1151)	1:110:A:VAL:HG23	1:113:A:ALA:H	15	2.19
(1,1151)	1:110:A:VAL:HG21	1:113:A:ALA:H	16	2.19
(1,1151)	1:110:A:VAL:HG22	1:113:A:ALA:H	16	2.19
(1,1151)	1:110:A:VAL:HG23	1:113:A:ALA:H	16	2.19
(1,1151)	1:110:A:VAL:HG21	1:113:A:ALA:H	18	2.19
(1,1151)	1:110:A:VAL:HG22	1:113:A:ALA:H	18	2.19
(1,1151)	1:110:A:VAL:HG23	1:113:A:ALA:H	18	2.19
(1,1151)	1:110:A:VAL:HG21	1:113:A:ALA:H	19	2.19
(1,1151)	1:110:A:VAL:HG22	1:113:A:ALA:H	19	2.19
(1,1151)	1:110:A:VAL:HG23	1:113:A:ALA:H	19	2.19
(1,1357)	1:210:B:VAL:HG21	1:213:B:ALA:H	19	2.18
(1,1357)	1:210:B:VAL:HG22	1:213:B:ALA:H	19	2.18
(1,1357)	1:210:B:VAL:HG23	1:213:B:ALA:H	19	2.18
(1,1151)	1:110:A:VAL:HG21	1:113:A:ALA:H	1	2.18
(1,1151)	1:110:A:VAL:HG22	1:113:A:ALA:H	1	2.18
(1,1151)	1:110:A:VAL:HG23	1:113:A:ALA:H	1	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1357)	1:210:B:VAL:HG21	1:213:B:ALA:H	12	2.17
(1,1357)	1:210:B:VAL:HG22	1:213:B:ALA:H	12	2.17
(1,1357)	1:210:B:VAL:HG23	1:213:B:ALA:H	12	2.17
(1,1151)	1:110:A:VAL:HG21	1:113:A:ALA:H	4	2.17
(1,1151)	1:110:A:VAL:HG22	1:113:A:ALA:H	4	2.17
(1,1151)	1:110:A:VAL:HG23	1:113:A:ALA:H	4	2.17
(1,1151)	1:110:A:VAL:HG21	1:113:A:ALA:H	17	2.17
(1,1151)	1:110:A:VAL:HG22	1:113:A:ALA:H	17	2.17
(1,1151)	1:110:A:VAL:HG23	1:113:A:ALA:H	17	2.17
(1,1151)	1:110:A:VAL:HG21	1:113:A:ALA:H	20	2.17
(1,1151)	1:110:A:VAL:HG22	1:113:A:ALA:H	20	2.17
(1,1151)	1:110:A:VAL:HG23	1:113:A:ALA:H	20	2.17
(1,1357)	1:210:B:VAL:HG21	1:213:B:ALA:H	5	2.16
(1,1357)	1:210:B:VAL:HG22	1:213:B:ALA:H	5	2.16
(1,1357)	1:210:B:VAL:HG23	1:213:B:ALA:H	5	2.16
(1,1357)	1:210:B:VAL:HG21	1:213:B:ALA:H	11	2.16
(1,1357)	1:210:B:VAL:HG22	1:213:B:ALA:H	11	2.16
(1,1357)	1:210:B:VAL:HG23	1:213:B:ALA:H	11	2.16
(1,1241)	1:138:A:LYS:HG2	1:142:A:LYS:HE3	4	2.16
(1,1151)	1:110:A:VAL:HG21	1:113:A:ALA:H	11	2.16
(1,1151)	1:110:A:VAL:HG22	1:113:A:ALA:H	11	2.16
(1,1151)	1:110:A:VAL:HG23	1:113:A:ALA:H	11	2.16
(1,1151)	1:110:A:VAL:HG21	1:113:A:ALA:H	13	2.16
(1,1151)	1:110:A:VAL:HG22	1:113:A:ALA:H	13	2.16
(1,1151)	1:110:A:VAL:HG23	1:113:A:ALA:H	13	2.16
(1,1357)	1:210:B:VAL:HG21	1:213:B:ALA:H	9	2.15
(1,1357)	1:210:B:VAL:HG22	1:213:B:ALA:H	9	2.15
(1,1357)	1:210:B:VAL:HG23	1:213:B:ALA:H	9	2.15
(1,1151)	1:110:A:VAL:HG21	1:113:A:ALA:H	12	2.15
(1,1151)	1:110:A:VAL:HG22	1:113:A:ALA:H	12	2.15
(1,1151)	1:110:A:VAL:HG23	1:113:A:ALA:H	12	2.15
(1,1151)	1:110:A:VAL:HG21	1:113:A:ALA:H	14	2.15
(1,1151)	1:110:A:VAL:HG22	1:113:A:ALA:H	14	2.15
(1,1151)	1:110:A:VAL:HG23	1:113:A:ALA:H	14	2.15
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE1	15	2.13
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE2	15	2.13
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE1	15	2.13
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE2	15	2.13
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE1	15	2.13
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE2	15	2.13
(1,1357)	1:210:B:VAL:HG21	1:213:B:ALA:H	7	2.13
(1,1357)	1:210:B:VAL:HG22	1:213:B:ALA:H	7	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1357)	1:210:B:VAL:HG23	1:213:B:ALA:H	7	2.13
(1,1151)	1:110:A:VAL:HG21	1:113:A:ALA:H	2	2.12
(1,1151)	1:110:A:VAL:HG22	1:113:A:ALA:H	2	2.12
(1,1151)	1:110:A:VAL:HG23	1:113:A:ALA:H	2	2.12
(1,1357)	1:210:B:VAL:HG21	1:213:B:ALA:H	10	2.11
(1,1357)	1:210:B:VAL:HG22	1:213:B:ALA:H	10	2.11
(1,1357)	1:210:B:VAL:HG23	1:213:B:ALA:H	10	2.11
(1,1151)	1:110:A:VAL:HG21	1:113:A:ALA:H	7	2.11
(1,1151)	1:110:A:VAL:HG22	1:113:A:ALA:H	7	2.11
(1,1151)	1:110:A:VAL:HG23	1:113:A:ALA:H	7	2.11
(1,1149)	1:110:A:VAL:HG21	1:112:A:ALA:H	3	2.11
(1,1149)	1:110:A:VAL:HG22	1:112:A:ALA:H	3	2.11
(1,1149)	1:110:A:VAL:HG23	1:112:A:ALA:H	3	2.11
(1,1149)	1:110:A:VAL:HG21	1:112:A:ALA:H	20	2.11
(1,1149)	1:110:A:VAL:HG22	1:112:A:ALA:H	20	2.11
(1,1149)	1:110:A:VAL:HG23	1:112:A:ALA:H	20	2.11
(1,1447)	1:238:B:LYS:HG2	1:242:B:LYS:HE3	12	2.1
(1,1357)	1:210:B:VAL:HG21	1:213:B:ALA:H	18	2.1
(1,1357)	1:210:B:VAL:HG22	1:213:B:ALA:H	18	2.1
(1,1357)	1:210:B:VAL:HG23	1:213:B:ALA:H	18	2.1
(1,1357)	1:210:B:VAL:HG21	1:213:B:ALA:H	20	2.1
(1,1357)	1:210:B:VAL:HG22	1:213:B:ALA:H	20	2.1
(1,1357)	1:210:B:VAL:HG23	1:213:B:ALA:H	20	2.1
(1,1151)	1:110:A:VAL:HG21	1:113:A:ALA:H	9	2.1
(1,1151)	1:110:A:VAL:HG22	1:113:A:ALA:H	9	2.1
(1,1151)	1:110:A:VAL:HG23	1:113:A:ALA:H	9	2.1
(1,1149)	1:110:A:VAL:HG21	1:112:A:ALA:H	1	2.1
(1,1149)	1:110:A:VAL:HG22	1:112:A:ALA:H	1	2.1
(1,1149)	1:110:A:VAL:HG23	1:112:A:ALA:H	1	2.1
(1,1149)	1:110:A:VAL:HG21	1:112:A:ALA:H	6	2.1
(1,1149)	1:110:A:VAL:HG22	1:112:A:ALA:H	6	2.1
(1,1149)	1:110:A:VAL:HG23	1:112:A:ALA:H	6	2.1
(1,1149)	1:110:A:VAL:HG21	1:112:A:ALA:H	7	2.1
(1,1149)	1:110:A:VAL:HG22	1:112:A:ALA:H	7	2.1
(1,1149)	1:110:A:VAL:HG23	1:112:A:ALA:H	7	2.1
(1,1149)	1:110:A:VAL:HG21	1:112:A:ALA:H	9	2.1
(1,1149)	1:110:A:VAL:HG22	1:112:A:ALA:H	9	2.1
(1,1149)	1:110:A:VAL:HG23	1:112:A:ALA:H	9	2.1
(1,1149)	1:110:A:VAL:HG21	1:112:A:ALA:H	17	2.1
(1,1149)	1:110:A:VAL:HG22	1:112:A:ALA:H	17	2.1
(1,1149)	1:110:A:VAL:HG23	1:112:A:ALA:H	17	2.1
(1,1149)	1:110:A:VAL:HG21	1:112:A:ALA:H	18	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1149)	1:110:A:VAL:HG22	1:112:A:ALA:H	18	2.1
(1,1149)	1:110:A:VAL:HG23	1:112:A:ALA:H	18	2.1
(1,1355)	1:210:B:VAL:HG21	1:212:B:ALA:H	2	2.09
(1,1355)	1:210:B:VAL:HG22	1:212:B:ALA:H	2	2.09
(1,1355)	1:210:B:VAL:HG23	1:212:B:ALA:H	2	2.09
(1,1355)	1:210:B:VAL:HG21	1:212:B:ALA:H	18	2.09
(1,1355)	1:210:B:VAL:HG22	1:212:B:ALA:H	18	2.09
(1,1355)	1:210:B:VAL:HG23	1:212:B:ALA:H	18	2.09
(1,1149)	1:110:A:VAL:HG21	1:112:A:ALA:H	12	2.09
(1,1149)	1:110:A:VAL:HG22	1:112:A:ALA:H	12	2.09
(1,1149)	1:110:A:VAL:HG23	1:112:A:ALA:H	12	2.09
(1,1355)	1:210:B:VAL:HG21	1:212:B:ALA:H	1	2.08
(1,1355)	1:210:B:VAL:HG22	1:212:B:ALA:H	1	2.08
(1,1355)	1:210:B:VAL:HG23	1:212:B:ALA:H	1	2.08
(1,1355)	1:210:B:VAL:HG21	1:212:B:ALA:H	16	2.08
(1,1355)	1:210:B:VAL:HG22	1:212:B:ALA:H	16	2.08
(1,1355)	1:210:B:VAL:HG23	1:212:B:ALA:H	16	2.08
(1,1355)	1:210:B:VAL:HG21	1:212:B:ALA:H	17	2.08
(1,1355)	1:210:B:VAL:HG22	1:212:B:ALA:H	17	2.08
(1,1355)	1:210:B:VAL:HG23	1:212:B:ALA:H	17	2.08
(1,1151)	1:110:A:VAL:HG21	1:113:A:ALA:H	5	2.08
(1,1151)	1:110:A:VAL:HG22	1:113:A:ALA:H	5	2.08
(1,1151)	1:110:A:VAL:HG23	1:113:A:ALA:H	5	2.08
(1,1149)	1:110:A:VAL:HG21	1:112:A:ALA:H	5	2.08
(1,1149)	1:110:A:VAL:HG22	1:112:A:ALA:H	5	2.08
(1,1149)	1:110:A:VAL:HG23	1:112:A:ALA:H	5	2.08
(1,1149)	1:110:A:VAL:HG21	1:112:A:ALA:H	10	2.08
(1,1149)	1:110:A:VAL:HG22	1:112:A:ALA:H	10	2.08
(1,1149)	1:110:A:VAL:HG23	1:112:A:ALA:H	10	2.08
(1,1355)	1:210:B:VAL:HG21	1:212:B:ALA:H	3	2.07
(1,1355)	1:210:B:VAL:HG22	1:212:B:ALA:H	3	2.07
(1,1355)	1:210:B:VAL:HG23	1:212:B:ALA:H	3	2.07
(1,1355)	1:210:B:VAL:HG21	1:212:B:ALA:H	7	2.07
(1,1355)	1:210:B:VAL:HG22	1:212:B:ALA:H	7	2.07
(1,1355)	1:210:B:VAL:HG23	1:212:B:ALA:H	7	2.07
(1,1355)	1:210:B:VAL:HG21	1:212:B:ALA:H	9	2.07
(1,1355)	1:210:B:VAL:HG22	1:212:B:ALA:H	9	2.07
(1,1355)	1:210:B:VAL:HG23	1:212:B:ALA:H	9	2.07
(1,1355)	1:210:B:VAL:HG21	1:212:B:ALA:H	14	2.07
(1,1355)	1:210:B:VAL:HG22	1:212:B:ALA:H	14	2.07
(1,1355)	1:210:B:VAL:HG23	1:212:B:ALA:H	14	2.07
(1,1149)	1:110:A:VAL:HG21	1:112:A:ALA:H	11	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1149)	1:110:A:VAL:HG22	1:112:A:ALA:H	11	2.07
(1,1149)	1:110:A:VAL:HG23	1:112:A:ALA:H	11	2.07
(1,1149)	1:110:A:VAL:HG21	1:112:A:ALA:H	14	2.07
(1,1149)	1:110:A:VAL:HG22	1:112:A:ALA:H	14	2.07
(1,1149)	1:110:A:VAL:HG23	1:112:A:ALA:H	14	2.07
(1,1149)	1:110:A:VAL:HG21	1:112:A:ALA:H	15	2.07
(1,1149)	1:110:A:VAL:HG22	1:112:A:ALA:H	15	2.07
(1,1149)	1:110:A:VAL:HG23	1:112:A:ALA:H	15	2.07
(1,1149)	1:110:A:VAL:HG21	1:112:A:ALA:H	16	2.07
(1,1149)	1:110:A:VAL:HG22	1:112:A:ALA:H	16	2.07
(1,1149)	1:110:A:VAL:HG23	1:112:A:ALA:H	16	2.07
(1,1355)	1:210:B:VAL:HG21	1:212:B:ALA:H	11	2.06
(1,1355)	1:210:B:VAL:HG22	1:212:B:ALA:H	11	2.06
(1,1355)	1:210:B:VAL:HG23	1:212:B:ALA:H	11	2.06
(1,1355)	1:210:B:VAL:HG21	1:212:B:ALA:H	13	2.06
(1,1355)	1:210:B:VAL:HG22	1:212:B:ALA:H	13	2.06
(1,1355)	1:210:B:VAL:HG23	1:212:B:ALA:H	13	2.06
(1,1355)	1:210:B:VAL:HG21	1:212:B:ALA:H	20	2.06
(1,1355)	1:210:B:VAL:HG22	1:212:B:ALA:H	20	2.06
(1,1355)	1:210:B:VAL:HG23	1:212:B:ALA:H	20	2.06
(1,1151)	1:110:A:VAL:HG21	1:113:A:ALA:H	8	2.06
(1,1151)	1:110:A:VAL:HG22	1:113:A:ALA:H	8	2.06
(1,1151)	1:110:A:VAL:HG23	1:113:A:ALA:H	8	2.06
(1,1149)	1:110:A:VAL:HG21	1:112:A:ALA:H	2	2.06
(1,1149)	1:110:A:VAL:HG22	1:112:A:ALA:H	2	2.06
(1,1149)	1:110:A:VAL:HG23	1:112:A:ALA:H	2	2.06
(1,1149)	1:110:A:VAL:HG21	1:112:A:ALA:H	8	2.06
(1,1149)	1:110:A:VAL:HG22	1:112:A:ALA:H	8	2.06
(1,1149)	1:110:A:VAL:HG23	1:112:A:ALA:H	8	2.06
(1,1355)	1:210:B:VAL:HG21	1:212:B:ALA:H	5	2.05
(1,1355)	1:210:B:VAL:HG22	1:212:B:ALA:H	5	2.05
(1,1355)	1:210:B:VAL:HG23	1:212:B:ALA:H	5	2.05
(1,1355)	1:210:B:VAL:HG21	1:212:B:ALA:H	10	2.05
(1,1355)	1:210:B:VAL:HG22	1:212:B:ALA:H	10	2.05
(1,1355)	1:210:B:VAL:HG23	1:212:B:ALA:H	10	2.05
(1,1149)	1:110:A:VAL:HG21	1:112:A:ALA:H	4	2.05
(1,1149)	1:110:A:VAL:HG22	1:112:A:ALA:H	4	2.05
(1,1149)	1:110:A:VAL:HG23	1:112:A:ALA:H	4	2.05
(1,1149)	1:110:A:VAL:HG21	1:112:A:ALA:H	13	2.05
(1,1149)	1:110:A:VAL:HG22	1:112:A:ALA:H	13	2.05
(1,1149)	1:110:A:VAL:HG23	1:112:A:ALA:H	13	2.05
(1,1447)	1:238:B:LYS:HG2	1:242:B:LYS:HE3	7	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1355)	1:210:B:VAL:HG21	1:212:B:ALA:H	6	2.04
(1,1355)	1:210:B:VAL:HG22	1:212:B:ALA:H	6	2.04
(1,1355)	1:210:B:VAL:HG23	1:212:B:ALA:H	6	2.04
(1,1355)	1:210:B:VAL:HG21	1:212:B:ALA:H	19	2.04
(1,1355)	1:210:B:VAL:HG22	1:212:B:ALA:H	19	2.04
(1,1355)	1:210:B:VAL:HG23	1:212:B:ALA:H	19	2.04
(1,1355)	1:210:B:VAL:HG21	1:212:B:ALA:H	4	2.03
(1,1355)	1:210:B:VAL:HG22	1:212:B:ALA:H	4	2.03
(1,1355)	1:210:B:VAL:HG23	1:212:B:ALA:H	4	2.03
(1,1355)	1:210:B:VAL:HG21	1:212:B:ALA:H	12	2.03
(1,1355)	1:210:B:VAL:HG22	1:212:B:ALA:H	12	2.03
(1,1355)	1:210:B:VAL:HG23	1:212:B:ALA:H	12	2.03
(1,1151)	1:110:A:VAL:HG21	1:113:A:ALA:H	6	2.03
(1,1151)	1:110:A:VAL:HG22	1:113:A:ALA:H	6	2.03
(1,1151)	1:110:A:VAL:HG23	1:113:A:ALA:H	6	2.03
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD1	14	2.02
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD2	14	2.02
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD1	14	2.02
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD2	14	2.02
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD1	14	2.02
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD2	14	2.02
(1,1447)	1:238:B:LYS:HG2	1:242:B:LYS:HE3	16	2.02
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG11	2	2.01
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG12	2	2.01
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG13	2	2.01
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG11	2	2.01
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG12	2	2.01
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG13	2	2.01
(1,1895)	1:210:B:VAL:HG11	1:216:B:TYR:HB3	15	2.01
(1,1895)	1:210:B:VAL:HG12	1:216:B:TYR:HB3	15	2.01
(1,1895)	1:210:B:VAL:HG13	1:216:B:TYR:HB3	15	2.01
(1,1149)	1:110:A:VAL:HG21	1:112:A:ALA:H	19	2.01
(1,1149)	1:110:A:VAL:HG22	1:112:A:ALA:H	19	2.01
(1,1149)	1:110:A:VAL:HG23	1:112:A:ALA:H	19	2.01
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD1	4	2.0
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD2	4	2.0
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD1	4	2.0
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD2	4	2.0
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD1	4	2.0
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD2	4	2.0
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE1	8	2.0
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE2	8	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE1	8	2.0
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE2	8	2.0
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE1	8	2.0
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE2	8	2.0
(1,1361)	1:210:B:VAL:HG21	1:214:B:ASP:H	12	2.0
(1,1361)	1:210:B:VAL:HG22	1:214:B:ASP:H	12	2.0
(1,1361)	1:210:B:VAL:HG23	1:214:B:ASP:H	12	2.0
(1,2252)	1:154:A:ASP:HB3	1:202:B:ASN:HB2	3	1.99
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG11	7	1.99
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG12	7	1.99
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG13	7	1.99
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG11	7	1.99
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG12	7	1.99
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG13	7	1.99
(1,1361)	1:210:B:VAL:HG21	1:214:B:ASP:H	9	1.99
(1,1361)	1:210:B:VAL:HG22	1:214:B:ASP:H	9	1.99
(1,1361)	1:210:B:VAL:HG23	1:214:B:ASP:H	9	1.99
(1,1148)	1:110:A:VAL:HG21	1:112:A:ALA:HA	6	1.99
(1,1148)	1:110:A:VAL:HG22	1:112:A:ALA:HA	6	1.99
(1,1148)	1:110:A:VAL:HG23	1:112:A:ALA:HA	6	1.99
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD1	16	1.98
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD2	16	1.98
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD1	16	1.98
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD2	16	1.98
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD1	16	1.98
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD2	16	1.98
(1,1155)	1:110:A:VAL:HG21	1:114:A:ASP:H	4	1.98
(1,1155)	1:110:A:VAL:HG22	1:114:A:ASP:H	4	1.98
(1,1155)	1:110:A:VAL:HG23	1:114:A:ASP:H	4	1.98
(1,1155)	1:110:A:VAL:HG21	1:114:A:ASP:H	17	1.98
(1,1155)	1:110:A:VAL:HG22	1:114:A:ASP:H	17	1.98
(1,1155)	1:110:A:VAL:HG23	1:114:A:ASP:H	17	1.98
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG11	17	1.97
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG12	17	1.97
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG13	17	1.97
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG11	17	1.97
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG12	17	1.97
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG13	17	1.97
(1,1361)	1:210:B:VAL:HG21	1:214:B:ASP:H	4	1.97
(1,1361)	1:210:B:VAL:HG22	1:214:B:ASP:H	4	1.97
(1,1361)	1:210:B:VAL:HG23	1:214:B:ASP:H	4	1.97
(1,1361)	1:210:B:VAL:HG21	1:214:B:ASP:H	6	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1361)	1:210:B:VAL:HG22	1:214:B:ASP:H	6	1.97
(1,1361)	1:210:B:VAL:HG23	1:214:B:ASP:H	6	1.97
(1,1361)	1:210:B:VAL:HG21	1:214:B:ASP:H	10	1.97
(1,1361)	1:210:B:VAL:HG22	1:214:B:ASP:H	10	1.97
(1,1361)	1:210:B:VAL:HG23	1:214:B:ASP:H	10	1.97
(1,1361)	1:210:B:VAL:HG21	1:214:B:ASP:H	14	1.97
(1,1361)	1:210:B:VAL:HG22	1:214:B:ASP:H	14	1.97
(1,1361)	1:210:B:VAL:HG23	1:214:B:ASP:H	14	1.97
(1,1354)	1:210:B:VAL:HG21	1:212:B:ALA:HA	9	1.97
(1,1354)	1:210:B:VAL:HG22	1:212:B:ALA:HA	9	1.97
(1,1354)	1:210:B:VAL:HG23	1:212:B:ALA:HA	9	1.97
(1,1155)	1:110:A:VAL:HG21	1:114:A:ASP:H	11	1.97
(1,1155)	1:110:A:VAL:HG22	1:114:A:ASP:H	11	1.97
(1,1155)	1:110:A:VAL:HG23	1:114:A:ASP:H	11	1.97
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD1	20	1.96
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD2	20	1.96
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD1	20	1.96
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD2	20	1.96
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD1	20	1.96
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD2	20	1.96
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG21	1	1.96
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG22	1	1.96
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG23	1	1.96
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG21	1	1.96
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG22	1	1.96
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG23	1	1.96
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG21	1	1.96
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG22	1	1.96
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG23	1	1.96
(1,1361)	1:210:B:VAL:HG21	1:214:B:ASP:H	1	1.96
(1,1361)	1:210:B:VAL:HG22	1:214:B:ASP:H	1	1.96
(1,1361)	1:210:B:VAL:HG23	1:214:B:ASP:H	1	1.96
(1,1361)	1:210:B:VAL:HG21	1:214:B:ASP:H	3	1.96
(1,1361)	1:210:B:VAL:HG22	1:214:B:ASP:H	3	1.96
(1,1361)	1:210:B:VAL:HG23	1:214:B:ASP:H	3	1.96
(1,1361)	1:210:B:VAL:HG21	1:214:B:ASP:H	18	1.96
(1,1361)	1:210:B:VAL:HG22	1:214:B:ASP:H	18	1.96
(1,1361)	1:210:B:VAL:HG23	1:214:B:ASP:H	18	1.96
(1,1361)	1:210:B:VAL:HG21	1:214:B:ASP:H	19	1.96
(1,1361)	1:210:B:VAL:HG22	1:214:B:ASP:H	19	1.96
(1,1361)	1:210:B:VAL:HG23	1:214:B:ASP:H	19	1.96
(1,1155)	1:110:A:VAL:HG21	1:114:A:ASP:H	9	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1155)	1:110:A:VAL:HG22	1:114:A:ASP:H	9	1.96
(1,1155)	1:110:A:VAL:HG23	1:114:A:ASP:H	9	1.96
(1,1155)	1:110:A:VAL:HG21	1:114:A:ASP:H	13	1.96
(1,1155)	1:110:A:VAL:HG22	1:114:A:ASP:H	13	1.96
(1,1155)	1:110:A:VAL:HG23	1:114:A:ASP:H	13	1.96
(1,1155)	1:110:A:VAL:HG21	1:114:A:ASP:H	15	1.96
(1,1155)	1:110:A:VAL:HG22	1:114:A:ASP:H	15	1.96
(1,1155)	1:110:A:VAL:HG23	1:114:A:ASP:H	15	1.96
(1,1155)	1:110:A:VAL:HG21	1:114:A:ASP:H	19	1.96
(1,1155)	1:110:A:VAL:HG22	1:114:A:ASP:H	19	1.96
(1,1155)	1:110:A:VAL:HG23	1:114:A:ASP:H	19	1.96
(1,1155)	1:110:A:VAL:HG21	1:114:A:ASP:H	20	1.96
(1,1155)	1:110:A:VAL:HG22	1:114:A:ASP:H	20	1.96
(1,1155)	1:110:A:VAL:HG23	1:114:A:ASP:H	20	1.96
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD1	13	1.95
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD2	13	1.95
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD1	13	1.95
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD2	13	1.95
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD1	13	1.95
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD2	13	1.95
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD1	17	1.95
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD2	17	1.95
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD1	17	1.95
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD2	17	1.95
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD1	17	1.95
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD2	17	1.95
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG11	11	1.95
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG12	11	1.95
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG13	11	1.95
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG11	11	1.95
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG12	11	1.95
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG13	11	1.95
(1,1895)	1:210:B:VAL:HG11	1:216:B:TYR:HB3	8	1.95
(1,1895)	1:210:B:VAL:HG12	1:216:B:TYR:HB3	8	1.95
(1,1895)	1:210:B:VAL:HG13	1:216:B:TYR:HB3	8	1.95
(1,1361)	1:210:B:VAL:HG21	1:214:B:ASP:H	5	1.95
(1,1361)	1:210:B:VAL:HG22	1:214:B:ASP:H	5	1.95
(1,1361)	1:210:B:VAL:HG23	1:214:B:ASP:H	5	1.95
(1,1361)	1:210:B:VAL:HG21	1:214:B:ASP:H	16	1.95
(1,1361)	1:210:B:VAL:HG22	1:214:B:ASP:H	16	1.95
(1,1361)	1:210:B:VAL:HG23	1:214:B:ASP:H	16	1.95
(1,1361)	1:210:B:VAL:HG21	1:214:B:ASP:H	17	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1361)	1:210:B:VAL:HG22	1:214:B:ASP:H	17	1.95
(1,1361)	1:210:B:VAL:HG23	1:214:B:ASP:H	17	1.95
(1,1356)	1:210:B:VAL:HG21	1:213:B:ALA:HA	1	1.95
(1,1356)	1:210:B:VAL:HG22	1:213:B:ALA:HA	1	1.95
(1,1356)	1:210:B:VAL:HG23	1:213:B:ALA:HA	1	1.95
(1,1356)	1:210:B:VAL:HG21	1:213:B:ALA:HA	18	1.95
(1,1356)	1:210:B:VAL:HG22	1:213:B:ALA:HA	18	1.95
(1,1356)	1:210:B:VAL:HG23	1:213:B:ALA:HA	18	1.95
(1,1155)	1:110:A:VAL:HG21	1:114:A:ASP:H	3	1.95
(1,1155)	1:110:A:VAL:HG22	1:114:A:ASP:H	3	1.95
(1,1155)	1:110:A:VAL:HG23	1:114:A:ASP:H	3	1.95
(1,1155)	1:110:A:VAL:HG21	1:114:A:ASP:H	7	1.95
(1,1155)	1:110:A:VAL:HG22	1:114:A:ASP:H	7	1.95
(1,1155)	1:110:A:VAL:HG23	1:114:A:ASP:H	7	1.95
(1,1155)	1:110:A:VAL:HG21	1:114:A:ASP:H	12	1.95
(1,1155)	1:110:A:VAL:HG22	1:114:A:ASP:H	12	1.95
(1,1155)	1:110:A:VAL:HG23	1:114:A:ASP:H	12	1.95
(1,1155)	1:110:A:VAL:HG21	1:114:A:ASP:H	18	1.95
(1,1155)	1:110:A:VAL:HG22	1:114:A:ASP:H	18	1.95
(1,1155)	1:110:A:VAL:HG23	1:114:A:ASP:H	18	1.95
(1,1150)	1:110:A:VAL:HG21	1:113:A:ALA:HA	11	1.95
(1,1150)	1:110:A:VAL:HG22	1:113:A:ALA:HA	11	1.95
(1,1150)	1:110:A:VAL:HG23	1:113:A:ALA:HA	11	1.95
(1,1148)	1:110:A:VAL:HG21	1:112:A:ALA:HA	9	1.95
(1,1148)	1:110:A:VAL:HG22	1:112:A:ALA:HA	9	1.95
(1,1148)	1:110:A:VAL:HG23	1:112:A:ALA:HA	9	1.95
(1,1148)	1:110:A:VAL:HG21	1:112:A:ALA:HA	17	1.95
(1,1148)	1:110:A:VAL:HG22	1:112:A:ALA:HA	17	1.95
(1,1148)	1:110:A:VAL:HG23	1:112:A:ALA:HA	17	1.95
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD1	7	1.94
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD2	7	1.94
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD1	7	1.94
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD2	7	1.94
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD1	7	1.94
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD2	7	1.94
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD1	12	1.94
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD2	12	1.94
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD1	12	1.94
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD2	12	1.94
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD1	12	1.94
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD2	12	1.94
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG11	13	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG12	13	1.94
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG13	13	1.94
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG11	13	1.94
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG12	13	1.94
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG13	13	1.94
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE1	4	1.94
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE2	4	1.94
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE1	4	1.94
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE2	4	1.94
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE1	4	1.94
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE2	4	1.94
(1,1361)	1:210:B:VAL:HG21	1:214:B:ASP:H	2	1.94
(1,1361)	1:210:B:VAL:HG22	1:214:B:ASP:H	2	1.94
(1,1361)	1:210:B:VAL:HG23	1:214:B:ASP:H	2	1.94
(1,1361)	1:210:B:VAL:HG21	1:214:B:ASP:H	7	1.94
(1,1361)	1:210:B:VAL:HG22	1:214:B:ASP:H	7	1.94
(1,1361)	1:210:B:VAL:HG23	1:214:B:ASP:H	7	1.94
(1,1155)	1:110:A:VAL:HG21	1:114:A:ASP:H	1	1.94
(1,1155)	1:110:A:VAL:HG22	1:114:A:ASP:H	1	1.94
(1,1155)	1:110:A:VAL:HG23	1:114:A:ASP:H	1	1.94
(1,1155)	1:110:A:VAL:HG21	1:114:A:ASP:H	14	1.94
(1,1155)	1:110:A:VAL:HG22	1:114:A:ASP:H	14	1.94
(1,1155)	1:110:A:VAL:HG23	1:114:A:ASP:H	14	1.94
(1,1150)	1:110:A:VAL:HG21	1:113:A:ALA:HA	19	1.94
(1,1150)	1:110:A:VAL:HG22	1:113:A:ALA:HA	19	1.94
(1,1150)	1:110:A:VAL:HG23	1:113:A:ALA:HA	19	1.94
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD1	10	1.93
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD2	10	1.93
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD1	10	1.93
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD2	10	1.93
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD1	10	1.93
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD2	10	1.93
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD1	11	1.93
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD2	11	1.93
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD1	11	1.93
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD2	11	1.93
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD1	11	1.93
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD2	11	1.93
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD1	15	1.93
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD2	15	1.93
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD1	15	1.93
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD2	15	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD1	15	1.93
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD2	15	1.93
(1,1361)	1:210:B:VAL:HG21	1:214:B:ASP:H	11	1.93
(1,1361)	1:210:B:VAL:HG22	1:214:B:ASP:H	11	1.93
(1,1361)	1:210:B:VAL:HG23	1:214:B:ASP:H	11	1.93
(1,1361)	1:210:B:VAL:HG21	1:214:B:ASP:H	13	1.93
(1,1361)	1:210:B:VAL:HG22	1:214:B:ASP:H	13	1.93
(1,1361)	1:210:B:VAL:HG23	1:214:B:ASP:H	13	1.93
(1,1361)	1:210:B:VAL:HG21	1:214:B:ASP:H	20	1.93
(1,1361)	1:210:B:VAL:HG22	1:214:B:ASP:H	20	1.93
(1,1361)	1:210:B:VAL:HG23	1:214:B:ASP:H	20	1.93
(1,1356)	1:210:B:VAL:HG21	1:213:B:ALA:HA	14	1.93
(1,1356)	1:210:B:VAL:HG22	1:213:B:ALA:HA	14	1.93
(1,1356)	1:210:B:VAL:HG23	1:213:B:ALA:HA	14	1.93
(1,1155)	1:110:A:VAL:HG21	1:114:A:ASP:H	2	1.93
(1,1155)	1:110:A:VAL:HG22	1:114:A:ASP:H	2	1.93
(1,1155)	1:110:A:VAL:HG23	1:114:A:ASP:H	2	1.93
(1,1155)	1:110:A:VAL:HG21	1:114:A:ASP:H	5	1.93
(1,1155)	1:110:A:VAL:HG22	1:114:A:ASP:H	5	1.93
(1,1155)	1:110:A:VAL:HG23	1:114:A:ASP:H	5	1.93
(1,1155)	1:110:A:VAL:HG21	1:114:A:ASP:H	16	1.93
(1,1155)	1:110:A:VAL:HG22	1:114:A:ASP:H	16	1.93
(1,1155)	1:110:A:VAL:HG23	1:114:A:ASP:H	16	1.93
(1,1150)	1:110:A:VAL:HG21	1:113:A:ALA:HA	7	1.93
(1,1150)	1:110:A:VAL:HG22	1:113:A:ALA:HA	7	1.93
(1,1150)	1:110:A:VAL:HG23	1:113:A:ALA:HA	7	1.93
(1,1150)	1:110:A:VAL:HG21	1:113:A:ALA:HA	17	1.93
(1,1150)	1:110:A:VAL:HG22	1:113:A:ALA:HA	17	1.93
(1,1150)	1:110:A:VAL:HG23	1:113:A:ALA:HA	17	1.93
(1,1150)	1:110:A:VAL:HG21	1:113:A:ALA:HA	20	1.93
(1,1150)	1:110:A:VAL:HG22	1:113:A:ALA:HA	20	1.93
(1,1150)	1:110:A:VAL:HG23	1:113:A:ALA:HA	20	1.93
(1,1148)	1:110:A:VAL:HG21	1:112:A:ALA:HA	12	1.93
(1,1148)	1:110:A:VAL:HG22	1:112:A:ALA:HA	12	1.93
(1,1148)	1:110:A:VAL:HG23	1:112:A:ALA:HA	12	1.93
(1,1148)	1:110:A:VAL:HG21	1:112:A:ALA:HA	20	1.93
(1,1148)	1:110:A:VAL:HG22	1:112:A:ALA:HA	20	1.93
(1,1148)	1:110:A:VAL:HG23	1:112:A:ALA:HA	20	1.93
(1,1356)	1:210:B:VAL:HG21	1:213:B:ALA:HA	5	1.92
(1,1356)	1:210:B:VAL:HG22	1:213:B:ALA:HA	5	1.92
(1,1356)	1:210:B:VAL:HG23	1:213:B:ALA:HA	5	1.92
(1,1356)	1:210:B:VAL:HG21	1:213:B:ALA:HA	10	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1356)	1:210:B:VAL:HG22	1:213:B:ALA:HA	10	1.92
(1,1356)	1:210:B:VAL:HG23	1:213:B:ALA:HA	10	1.92
(1,1354)	1:210:B:VAL:HG21	1:212:B:ALA:HA	3	1.92
(1,1354)	1:210:B:VAL:HG22	1:212:B:ALA:HA	3	1.92
(1,1354)	1:210:B:VAL:HG23	1:212:B:ALA:HA	3	1.92
(1,1155)	1:110:A:VAL:HG21	1:114:A:ASP:H	8	1.92
(1,1155)	1:110:A:VAL:HG22	1:114:A:ASP:H	8	1.92
(1,1155)	1:110:A:VAL:HG23	1:114:A:ASP:H	8	1.92
(1,1155)	1:110:A:VAL:HG21	1:114:A:ASP:H	10	1.92
(1,1155)	1:110:A:VAL:HG22	1:114:A:ASP:H	10	1.92
(1,1155)	1:110:A:VAL:HG23	1:114:A:ASP:H	10	1.92
(1,1150)	1:110:A:VAL:HG21	1:113:A:ALA:HA	9	1.92
(1,1150)	1:110:A:VAL:HG22	1:113:A:ALA:HA	9	1.92
(1,1150)	1:110:A:VAL:HG23	1:113:A:ALA:HA	9	1.92
(1,1150)	1:110:A:VAL:HG21	1:113:A:ALA:HA	15	1.92
(1,1150)	1:110:A:VAL:HG22	1:113:A:ALA:HA	15	1.92
(1,1150)	1:110:A:VAL:HG23	1:113:A:ALA:HA	15	1.92
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD1	19	1.91
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD2	19	1.91
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD1	19	1.91
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD2	19	1.91
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD1	19	1.91
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD2	19	1.91
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG11	4	1.91
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG12	4	1.91
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG13	4	1.91
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG11	4	1.91
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG12	4	1.91
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG13	4	1.91
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG11	6	1.91
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG12	6	1.91
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG13	6	1.91
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG11	6	1.91
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG12	6	1.91
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG13	6	1.91
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG11	12	1.91
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG12	12	1.91
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG13	12	1.91
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG11	12	1.91
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG12	12	1.91
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG13	12	1.91
(1,1618)	1:108:A:VAL:HG21	1:116:A:TYR:HA	4	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1618)	1:108:A:VAL:HG22	1:116:A:TYR:HA	4	1.91
(1,1618)	1:108:A:VAL:HG23	1:116:A:TYR:HA	4	1.91
(1,1356)	1:210:B:VAL:HG21	1:213:B:ALA:HA	7	1.91
(1,1356)	1:210:B:VAL:HG22	1:213:B:ALA:HA	7	1.91
(1,1356)	1:210:B:VAL:HG23	1:213:B:ALA:HA	7	1.91
(1,1356)	1:210:B:VAL:HG21	1:213:B:ALA:HA	16	1.91
(1,1356)	1:210:B:VAL:HG22	1:213:B:ALA:HA	16	1.91
(1,1356)	1:210:B:VAL:HG23	1:213:B:ALA:HA	16	1.91
(1,1356)	1:210:B:VAL:HG21	1:213:B:ALA:HA	17	1.91
(1,1356)	1:210:B:VAL:HG22	1:213:B:ALA:HA	17	1.91
(1,1356)	1:210:B:VAL:HG23	1:213:B:ALA:HA	17	1.91
(1,1148)	1:110:A:VAL:HG21	1:112:A:ALA:HA	18	1.91
(1,1148)	1:110:A:VAL:HG22	1:112:A:ALA:HA	18	1.91
(1,1148)	1:110:A:VAL:HG23	1:112:A:ALA:HA	18	1.91
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG21	8	1.9
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG22	8	1.9
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG23	8	1.9
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD1	5	1.9
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD2	5	1.9
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD1	5	1.9
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD2	5	1.9
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD1	5	1.9
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD2	5	1.9
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG21	20	1.9
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG22	20	1.9
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG23	20	1.9
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG21	20	1.9
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG22	20	1.9
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG23	20	1.9
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG21	20	1.9
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG22	20	1.9
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG23	20	1.9
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG21	3	1.9
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG22	3	1.9
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG23	3	1.9
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG21	3	1.9
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG22	3	1.9
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG23	3	1.9
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG21	3	1.9
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG22	3	1.9
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG23	3	1.9
(1,1356)	1:210:B:VAL:HG21	1:213:B:ALA:HA	4	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1356)	1:210:B:VAL:HG22	1:213:B:ALA:HA	4	1.9
(1,1356)	1:210:B:VAL:HG23	1:213:B:ALA:HA	4	1.9
(1,1356)	1:210:B:VAL:HG21	1:213:B:ALA:HA	9	1.9
(1,1356)	1:210:B:VAL:HG22	1:213:B:ALA:HA	9	1.9
(1,1356)	1:210:B:VAL:HG23	1:213:B:ALA:HA	9	1.9
(1,1356)	1:210:B:VAL:HG21	1:213:B:ALA:HA	13	1.9
(1,1356)	1:210:B:VAL:HG22	1:213:B:ALA:HA	13	1.9
(1,1356)	1:210:B:VAL:HG23	1:213:B:ALA:HA	13	1.9
(1,1356)	1:210:B:VAL:HG21	1:213:B:ALA:HA	20	1.9
(1,1356)	1:210:B:VAL:HG22	1:213:B:ALA:HA	20	1.9
(1,1356)	1:210:B:VAL:HG23	1:213:B:ALA:HA	20	1.9
(1,1354)	1:210:B:VAL:HG21	1:212:B:ALA:HA	6	1.9
(1,1354)	1:210:B:VAL:HG22	1:212:B:ALA:HA	6	1.9
(1,1354)	1:210:B:VAL:HG23	1:212:B:ALA:HA	6	1.9
(1,1150)	1:110:A:VAL:HG21	1:113:A:ALA:HA	1	1.9
(1,1150)	1:110:A:VAL:HG22	1:113:A:ALA:HA	1	1.9
(1,1150)	1:110:A:VAL:HG23	1:113:A:ALA:HA	1	1.9
(1,1150)	1:110:A:VAL:HG21	1:113:A:ALA:HA	12	1.9
(1,1150)	1:110:A:VAL:HG22	1:113:A:ALA:HA	12	1.9
(1,1150)	1:110:A:VAL:HG23	1:113:A:ALA:HA	12	1.9
(1,1150)	1:110:A:VAL:HG21	1:113:A:ALA:HA	13	1.9
(1,1150)	1:110:A:VAL:HG22	1:113:A:ALA:HA	13	1.9
(1,1150)	1:110:A:VAL:HG23	1:113:A:ALA:HA	13	1.9
(1,1150)	1:110:A:VAL:HG21	1:113:A:ALA:HA	18	1.9
(1,1150)	1:110:A:VAL:HG22	1:113:A:ALA:HA	18	1.9
(1,1150)	1:110:A:VAL:HG23	1:113:A:ALA:HA	18	1.9
(1,1148)	1:110:A:VAL:HG21	1:112:A:ALA:HA	7	1.9
(1,1148)	1:110:A:VAL:HG22	1:112:A:ALA:HA	7	1.9
(1,1148)	1:110:A:VAL:HG23	1:112:A:ALA:HA	7	1.9
(1,1148)	1:110:A:VAL:HG21	1:112:A:ALA:HA	8	1.9
(1,1148)	1:110:A:VAL:HG22	1:112:A:ALA:HA	8	1.9
(1,1148)	1:110:A:VAL:HG23	1:112:A:ALA:HA	8	1.9
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG11	5	1.89
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG12	5	1.89
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG13	5	1.89
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG11	5	1.89
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG12	5	1.89
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG13	5	1.89
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG11	16	1.89
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG12	16	1.89
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG13	16	1.89
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG11	16	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG12	16	1.89
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG13	16	1.89
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG11	20	1.89
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG12	20	1.89
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG13	20	1.89
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG11	20	1.89
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG12	20	1.89
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG13	20	1.89
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE1	18	1.89
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE2	18	1.89
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE1	18	1.89
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE2	18	1.89
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE1	18	1.89
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE2	18	1.89
(1,1860)	1:208:B:VAL:HG21	1:216:B:TYR:HA	12	1.89
(1,1860)	1:208:B:VAL:HG22	1:216:B:TYR:HA	12	1.89
(1,1860)	1:208:B:VAL:HG23	1:216:B:TYR:HA	12	1.89
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG21	6	1.89
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG22	6	1.89
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG23	6	1.89
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG21	6	1.89
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG22	6	1.89
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG23	6	1.89
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG21	6	1.89
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG22	6	1.89
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG23	6	1.89
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG21	9	1.89
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG22	9	1.89
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG23	9	1.89
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG21	9	1.89
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG22	9	1.89
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG23	9	1.89
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG21	9	1.89
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG22	9	1.89
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG23	9	1.89
(1,1618)	1:108:A:VAL:HG21	1:116:A:TYR:HA	2	1.89
(1,1618)	1:108:A:VAL:HG22	1:116:A:TYR:HA	2	1.89
(1,1618)	1:108:A:VAL:HG23	1:116:A:TYR:HA	2	1.89
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG21	7	1.89
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG22	7	1.89
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG23	7	1.89
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG21	7	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG22	7	1.89
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG23	7	1.89
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG21	7	1.89
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG22	7	1.89
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG23	7	1.89
(1,1356)	1:210:B:VAL:HG21	1:213:B:ALA:HA	11	1.89
(1,1356)	1:210:B:VAL:HG22	1:213:B:ALA:HA	11	1.89
(1,1356)	1:210:B:VAL:HG23	1:213:B:ALA:HA	11	1.89
(1,1356)	1:210:B:VAL:HG21	1:213:B:ALA:HA	12	1.89
(1,1356)	1:210:B:VAL:HG22	1:213:B:ALA:HA	12	1.89
(1,1356)	1:210:B:VAL:HG23	1:213:B:ALA:HA	12	1.89
(1,1354)	1:210:B:VAL:HG21	1:212:B:ALA:HA	2	1.89
(1,1354)	1:210:B:VAL:HG22	1:212:B:ALA:HA	2	1.89
(1,1354)	1:210:B:VAL:HG23	1:212:B:ALA:HA	2	1.89
(1,1150)	1:110:A:VAL:HG21	1:113:A:ALA:HA	3	1.89
(1,1150)	1:110:A:VAL:HG22	1:113:A:ALA:HA	3	1.89
(1,1150)	1:110:A:VAL:HG23	1:113:A:ALA:HA	3	1.89
(1,1150)	1:110:A:VAL:HG21	1:113:A:ALA:HA	16	1.89
(1,1150)	1:110:A:VAL:HG22	1:113:A:ALA:HA	16	1.89
(1,1150)	1:110:A:VAL:HG23	1:113:A:ALA:HA	16	1.89
(1,1148)	1:110:A:VAL:HG21	1:112:A:ALA:HA	1	1.89
(1,1148)	1:110:A:VAL:HG22	1:112:A:ALA:HA	1	1.89
(1,1148)	1:110:A:VAL:HG23	1:112:A:ALA:HA	1	1.89
(1,1148)	1:110:A:VAL:HG21	1:112:A:ALA:HA	4	1.89
(1,1148)	1:110:A:VAL:HG22	1:112:A:ALA:HA	4	1.89
(1,1148)	1:110:A:VAL:HG23	1:112:A:ALA:HA	4	1.89
(1,1148)	1:110:A:VAL:HG21	1:112:A:ALA:HA	5	1.89
(1,1148)	1:110:A:VAL:HG22	1:112:A:ALA:HA	5	1.89
(1,1148)	1:110:A:VAL:HG23	1:112:A:ALA:HA	5	1.89
(1,1148)	1:110:A:VAL:HG21	1:112:A:ALA:HA	14	1.89
(1,1148)	1:110:A:VAL:HG22	1:112:A:ALA:HA	14	1.89
(1,1148)	1:110:A:VAL:HG23	1:112:A:ALA:HA	14	1.89
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG21	18	1.88
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG22	18	1.88
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG23	18	1.88
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD1	9	1.88
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD2	9	1.88
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD1	9	1.88
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD2	9	1.88
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD1	9	1.88
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD2	9	1.88
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG21	14	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG22	14	1.88
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG23	14	1.88
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG21	14	1.88
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG22	14	1.88
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG23	14	1.88
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG21	14	1.88
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG22	14	1.88
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG23	14	1.88
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG21	4	1.88
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG22	4	1.88
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG23	4	1.88
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG21	4	1.88
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG22	4	1.88
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG23	4	1.88
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG21	4	1.88
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG22	4	1.88
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG23	4	1.88
(1,1355)	1:210:B:VAL:HG21	1:212:B:ALA:H	15	1.88
(1,1355)	1:210:B:VAL:HG22	1:212:B:ALA:H	15	1.88
(1,1355)	1:210:B:VAL:HG23	1:212:B:ALA:H	15	1.88
(1,1354)	1:210:B:VAL:HG21	1:212:B:ALA:HA	5	1.88
(1,1354)	1:210:B:VAL:HG22	1:212:B:ALA:HA	5	1.88
(1,1354)	1:210:B:VAL:HG23	1:212:B:ALA:HA	5	1.88
(1,1354)	1:210:B:VAL:HG21	1:212:B:ALA:HA	7	1.88
(1,1354)	1:210:B:VAL:HG22	1:212:B:ALA:HA	7	1.88
(1,1354)	1:210:B:VAL:HG23	1:212:B:ALA:HA	7	1.88
(1,1354)	1:210:B:VAL:HG21	1:212:B:ALA:HA	10	1.88
(1,1354)	1:210:B:VAL:HG22	1:212:B:ALA:HA	10	1.88
(1,1354)	1:210:B:VAL:HG23	1:212:B:ALA:HA	10	1.88
(1,1354)	1:210:B:VAL:HG21	1:212:B:ALA:HA	11	1.88
(1,1354)	1:210:B:VAL:HG22	1:212:B:ALA:HA	11	1.88
(1,1354)	1:210:B:VAL:HG23	1:212:B:ALA:HA	11	1.88
(1,1150)	1:110:A:VAL:HG21	1:113:A:ALA:HA	4	1.88
(1,1150)	1:110:A:VAL:HG22	1:113:A:ALA:HA	4	1.88
(1,1150)	1:110:A:VAL:HG23	1:113:A:ALA:HA	4	1.88
(1,1150)	1:110:A:VAL:HG21	1:113:A:ALA:HA	5	1.88
(1,1150)	1:110:A:VAL:HG22	1:113:A:ALA:HA	5	1.88
(1,1150)	1:110:A:VAL:HG23	1:113:A:ALA:HA	5	1.88
(1,1150)	1:110:A:VAL:HG21	1:113:A:ALA:HA	14	1.88
(1,1150)	1:110:A:VAL:HG22	1:113:A:ALA:HA	14	1.88
(1,1150)	1:110:A:VAL:HG23	1:113:A:ALA:HA	14	1.88
(1,2252)	1:154:A:ASP:HB3	1:202:B:ASN:HB2	2	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2252)	1:154:A:ASP:HB3	1:202:B:ASN:HB2	5	1.87
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG11	9	1.87
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG12	9	1.87
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG13	9	1.87
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG11	9	1.87
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG12	9	1.87
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG13	9	1.87
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG11	10	1.87
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG12	10	1.87
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG13	10	1.87
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG11	10	1.87
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG12	10	1.87
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG13	10	1.87
(1,2037)	1:102:A:ASN:HB2	1:254:B:ASP:HB3	14	1.87
(1,1889)	1:210:B:VAL:HA	1:217:B:ARG:HG2	8	1.87
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG21	13	1.87
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG22	13	1.87
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG23	13	1.87
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG21	13	1.87
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG22	13	1.87
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG23	13	1.87
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG21	13	1.87
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG22	13	1.87
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG23	13	1.87
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG21	19	1.87
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG22	19	1.87
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG23	19	1.87
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG21	19	1.87
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG22	19	1.87
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG23	19	1.87
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG21	19	1.87
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG22	19	1.87
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG23	19	1.87
(1,1356)	1:210:B:VAL:HG21	1:213:B:ALA:HA	19	1.87
(1,1356)	1:210:B:VAL:HG22	1:213:B:ALA:HA	19	1.87
(1,1356)	1:210:B:VAL:HG23	1:213:B:ALA:HA	19	1.87
(1,1354)	1:210:B:VAL:HG21	1:212:B:ALA:HA	17	1.87
(1,1354)	1:210:B:VAL:HG22	1:212:B:ALA:HA	17	1.87
(1,1354)	1:210:B:VAL:HG23	1:212:B:ALA:HA	17	1.87
(1,1354)	1:210:B:VAL:HG21	1:212:B:ALA:HA	18	1.87
(1,1354)	1:210:B:VAL:HG22	1:212:B:ALA:HA	18	1.87
(1,1354)	1:210:B:VAL:HG23	1:212:B:ALA:HA	18	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1155)	1:110:A:VAL:HG21	1:114:A:ASP:H	6	1.87
(1,1155)	1:110:A:VAL:HG22	1:114:A:ASP:H	6	1.87
(1,1155)	1:110:A:VAL:HG23	1:114:A:ASP:H	6	1.87
(1,1150)	1:110:A:VAL:HG21	1:113:A:ALA:HA	10	1.87
(1,1150)	1:110:A:VAL:HG22	1:113:A:ALA:HA	10	1.87
(1,1150)	1:110:A:VAL:HG23	1:113:A:ALA:HA	10	1.87
(1,1148)	1:110:A:VAL:HG21	1:112:A:ALA:HA	2	1.87
(1,1148)	1:110:A:VAL:HG22	1:112:A:ALA:HA	2	1.87
(1,1148)	1:110:A:VAL:HG23	1:112:A:ALA:HA	2	1.87
(1,2252)	1:154:A:ASP:HB3	1:202:B:ASN:HB2	10	1.86
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD1	6	1.86
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD2	6	1.86
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD1	6	1.86
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD2	6	1.86
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD1	6	1.86
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD2	6	1.86
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG11	14	1.86
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG12	14	1.86
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG13	14	1.86
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG11	14	1.86
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG12	14	1.86
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG13	14	1.86
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG11	19	1.86
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG12	19	1.86
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG13	19	1.86
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG11	19	1.86
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG12	19	1.86
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG13	19	1.86
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG21	2	1.86
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG22	2	1.86
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG23	2	1.86
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG21	2	1.86
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG22	2	1.86
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG23	2	1.86
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG21	2	1.86
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG22	2	1.86
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG23	2	1.86
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG21	3	1.86
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG22	3	1.86
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG23	3	1.86
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG21	3	1.86
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG22	3	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG23	3	1.86
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG21	3	1.86
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG22	3	1.86
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG23	3	1.86
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG21	12	1.86
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG22	12	1.86
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG23	12	1.86
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG21	12	1.86
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG22	12	1.86
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG23	12	1.86
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG21	12	1.86
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG22	12	1.86
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG23	12	1.86
(1,1647)	1:110:A:VAL:HA	1:117:A:ARG:HG2	1	1.86
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG21	10	1.86
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG22	10	1.86
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG23	10	1.86
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG21	10	1.86
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG22	10	1.86
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG23	10	1.86
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG21	10	1.86
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG22	10	1.86
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG23	10	1.86
(1,1356)	1:210:B:VAL:HG21	1:213:B:ALA:HA	3	1.86
(1,1356)	1:210:B:VAL:HG22	1:213:B:ALA:HA	3	1.86
(1,1356)	1:210:B:VAL:HG23	1:213:B:ALA:HA	3	1.86
(1,1356)	1:210:B:VAL:HG21	1:213:B:ALA:HA	6	1.86
(1,1356)	1:210:B:VAL:HG22	1:213:B:ALA:HA	6	1.86
(1,1356)	1:210:B:VAL:HG23	1:213:B:ALA:HA	6	1.86
(1,1354)	1:210:B:VAL:HG21	1:212:B:ALA:HA	1	1.86
(1,1354)	1:210:B:VAL:HG22	1:212:B:ALA:HA	1	1.86
(1,1354)	1:210:B:VAL:HG23	1:212:B:ALA:HA	1	1.86
(1,1354)	1:210:B:VAL:HG21	1:212:B:ALA:HA	12	1.86
(1,1354)	1:210:B:VAL:HG22	1:212:B:ALA:HA	12	1.86
(1,1354)	1:210:B:VAL:HG23	1:212:B:ALA:HA	12	1.86
(1,1354)	1:210:B:VAL:HG21	1:212:B:ALA:HA	14	1.86
(1,1354)	1:210:B:VAL:HG22	1:212:B:ALA:HA	14	1.86
(1,1354)	1:210:B:VAL:HG23	1:212:B:ALA:HA	14	1.86
(1,1354)	1:210:B:VAL:HG21	1:212:B:ALA:HA	19	1.86
(1,1354)	1:210:B:VAL:HG22	1:212:B:ALA:HA	19	1.86
(1,1354)	1:210:B:VAL:HG23	1:212:B:ALA:HA	19	1.86
(1,1150)	1:110:A:VAL:HG21	1:113:A:ALA:HA	8	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1150)	1:110:A:VAL:HG22	1:113:A:ALA:HA	8	1.86
(1,1150)	1:110:A:VAL:HG23	1:113:A:ALA:HA	8	1.86
(1,1148)	1:110:A:VAL:HG21	1:112:A:ALA:HA	3	1.86
(1,1148)	1:110:A:VAL:HG22	1:112:A:ALA:HA	3	1.86
(1,1148)	1:110:A:VAL:HG23	1:112:A:ALA:HA	3	1.86
(1,1148)	1:110:A:VAL:HG21	1:112:A:ALA:HA	11	1.86
(1,1148)	1:110:A:VAL:HG22	1:112:A:ALA:HA	11	1.86
(1,1148)	1:110:A:VAL:HG23	1:112:A:ALA:HA	11	1.86
(1,1148)	1:110:A:VAL:HG21	1:112:A:ALA:HA	13	1.86
(1,1148)	1:110:A:VAL:HG22	1:112:A:ALA:HA	13	1.86
(1,1148)	1:110:A:VAL:HG23	1:112:A:ALA:HA	13	1.86
(1,2037)	1:102:A:ASN:HB2	1:254:B:ASP:HB3	11	1.85
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE1	5	1.85
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE2	5	1.85
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE1	5	1.85
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE2	5	1.85
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE1	5	1.85
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE2	5	1.85
(1,1889)	1:210:B:VAL:HA	1:217:B:ARG:HG2	2	1.85
(1,1889)	1:210:B:VAL:HA	1:217:B:ARG:HG2	7	1.85
(1,1860)	1:208:B:VAL:HG21	1:216:B:TYR:HA	9	1.85
(1,1860)	1:208:B:VAL:HG22	1:216:B:TYR:HA	9	1.85
(1,1860)	1:208:B:VAL:HG23	1:216:B:TYR:HA	9	1.85
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG21	19	1.85
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG22	19	1.85
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG23	19	1.85
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG21	19	1.85
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG22	19	1.85
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG23	19	1.85
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG21	19	1.85
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG22	19	1.85
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG23	19	1.85
(1,1647)	1:110:A:VAL:HA	1:117:A:ARG:HG2	15	1.85
(1,1618)	1:108:A:VAL:HG21	1:116:A:TYR:HA	5	1.85
(1,1618)	1:108:A:VAL:HG22	1:116:A:TYR:HA	5	1.85
(1,1618)	1:108:A:VAL:HG23	1:116:A:TYR:HA	5	1.85
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG21	15	1.85
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG22	15	1.85
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG23	15	1.85
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG21	15	1.85
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG22	15	1.85
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG23	15	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG21	15	1.85
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG22	15	1.85
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG23	15	1.85
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG21	18	1.85
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG22	18	1.85
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG23	18	1.85
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG21	18	1.85
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG22	18	1.85
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG23	18	1.85
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG21	18	1.85
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG22	18	1.85
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG23	18	1.85
(1,1357)	1:210:B:VAL:HG21	1:213:B:ALA:H	8	1.85
(1,1357)	1:210:B:VAL:HG22	1:213:B:ALA:H	8	1.85
(1,1357)	1:210:B:VAL:HG23	1:213:B:ALA:H	8	1.85
(1,1356)	1:210:B:VAL:HG21	1:213:B:ALA:HA	2	1.85
(1,1356)	1:210:B:VAL:HG22	1:213:B:ALA:HA	2	1.85
(1,1356)	1:210:B:VAL:HG23	1:213:B:ALA:HA	2	1.85
(1,1355)	1:210:B:VAL:HG21	1:212:B:ALA:H	8	1.85
(1,1355)	1:210:B:VAL:HG22	1:212:B:ALA:H	8	1.85
(1,1355)	1:210:B:VAL:HG23	1:212:B:ALA:H	8	1.85
(1,1354)	1:210:B:VAL:HG21	1:212:B:ALA:HA	13	1.85
(1,1354)	1:210:B:VAL:HG22	1:212:B:ALA:HA	13	1.85
(1,1354)	1:210:B:VAL:HG23	1:212:B:ALA:HA	13	1.85
(1,1354)	1:210:B:VAL:HG21	1:212:B:ALA:HA	16	1.85
(1,1354)	1:210:B:VAL:HG22	1:212:B:ALA:HA	16	1.85
(1,1354)	1:210:B:VAL:HG23	1:212:B:ALA:HA	16	1.85
(1,1148)	1:110:A:VAL:HG21	1:112:A:ALA:HA	10	1.85
(1,1148)	1:110:A:VAL:HG22	1:112:A:ALA:HA	10	1.85
(1,1148)	1:110:A:VAL:HG23	1:112:A:ALA:HA	10	1.85
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD1	1	1.84
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD2	1	1.84
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD1	1	1.84
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD2	1	1.84
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD1	1	1.84
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD2	1	1.84
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD1	3	1.84
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD2	3	1.84
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD1	3	1.84
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD2	3	1.84
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD1	3	1.84
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD2	3	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2037)	1:102:A:ASN:HB2	1:254:B:ASP:HB3	7	1.84
(1,1889)	1:210:B:VAL:HA	1:217:B:ARG:HG2	1	1.84
(1,1889)	1:210:B:VAL:HA	1:217:B:ARG:HG2	9	1.84
(1,1860)	1:208:B:VAL:HG21	1:216:B:TYR:HA	3	1.84
(1,1860)	1:208:B:VAL:HG22	1:216:B:TYR:HA	3	1.84
(1,1860)	1:208:B:VAL:HG23	1:216:B:TYR:HA	3	1.84
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG21	8	1.84
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG22	8	1.84
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG23	8	1.84
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG21	8	1.84
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG22	8	1.84
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG23	8	1.84
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG21	8	1.84
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG22	8	1.84
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG23	8	1.84
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE1	15	1.84
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE2	15	1.84
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE1	15	1.84
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE2	15	1.84
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE1	15	1.84
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE2	15	1.84
(1,1647)	1:110:A:VAL:HA	1:117:A:ARG:HG2	3	1.84
(1,1647)	1:110:A:VAL:HA	1:117:A:ARG:HG2	10	1.84
(1,1148)	1:110:A:VAL:HG21	1:112:A:ALA:HA	16	1.84
(1,1148)	1:110:A:VAL:HG22	1:112:A:ALA:HA	16	1.84
(1,1148)	1:110:A:VAL:HG23	1:112:A:ALA:HA	16	1.84
(1,2252)	1:154:A:ASP:HB3	1:202:B:ASN:HB2	9	1.83
(1,2037)	1:102:A:ASN:HB2	1:254:B:ASP:HB3	16	1.83
(1,1889)	1:210:B:VAL:HA	1:217:B:ARG:HG2	3	1.83
(1,1647)	1:110:A:VAL:HA	1:117:A:ARG:HG2	8	1.83
(1,1647)	1:110:A:VAL:HA	1:117:A:ARG:HG2	14	1.83
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG21	16	1.83
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG22	16	1.83
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG23	16	1.83
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG21	16	1.83
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG22	16	1.83
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG23	16	1.83
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG21	16	1.83
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG22	16	1.83
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG23	16	1.83
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG21	17	1.83
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG22	17	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG23	17	1.83
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG21	17	1.83
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG22	17	1.83
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG23	17	1.83
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG21	17	1.83
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG22	17	1.83
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG23	17	1.83
(1,1354)	1:210:B:VAL:HG21	1:212:B:ALA:HA	20	1.83
(1,1354)	1:210:B:VAL:HG22	1:212:B:ALA:HA	20	1.83
(1,1354)	1:210:B:VAL:HG23	1:212:B:ALA:HA	20	1.83
(1,1122)	1:256:B:ASP:HA	1:257:B:VAL:HG11	4	1.83
(1,1122)	1:256:B:ASP:HA	1:257:B:VAL:HG12	4	1.83
(1,1122)	1:256:B:ASP:HA	1:257:B:VAL:HG13	4	1.83
(1,1122)	1:256:B:ASP:HA	1:257:B:VAL:HG11	7	1.83
(1,1122)	1:256:B:ASP:HA	1:257:B:VAL:HG12	7	1.83
(1,1122)	1:256:B:ASP:HA	1:257:B:VAL:HG13	7	1.83
(1,1122)	1:256:B:ASP:HA	1:257:B:VAL:HG11	12	1.83
(1,1122)	1:256:B:ASP:HA	1:257:B:VAL:HG12	12	1.83
(1,1122)	1:256:B:ASP:HA	1:257:B:VAL:HG13	12	1.83
(1,1122)	1:256:B:ASP:HA	1:257:B:VAL:HG11	17	1.83
(1,1122)	1:256:B:ASP:HA	1:257:B:VAL:HG12	17	1.83
(1,1122)	1:256:B:ASP:HA	1:257:B:VAL:HG13	17	1.83
(1,1122)	1:256:B:ASP:HA	1:257:B:VAL:HG11	18	1.83
(1,1122)	1:256:B:ASP:HA	1:257:B:VAL:HG12	18	1.83
(1,1122)	1:256:B:ASP:HA	1:257:B:VAL:HG13	18	1.83
(1,806)	1:156:A:ASP:HA	1:157:A:VAL:HG11	6	1.83
(1,806)	1:156:A:ASP:HA	1:157:A:VAL:HG12	6	1.83
(1,806)	1:156:A:ASP:HA	1:157:A:VAL:HG13	6	1.83
(1,806)	1:156:A:ASP:HA	1:157:A:VAL:HG11	12	1.83
(1,806)	1:156:A:ASP:HA	1:157:A:VAL:HG12	12	1.83
(1,806)	1:156:A:ASP:HA	1:157:A:VAL:HG13	12	1.83
(1,806)	1:156:A:ASP:HA	1:157:A:VAL:HG11	20	1.83
(1,806)	1:156:A:ASP:HA	1:157:A:VAL:HG12	20	1.83
(1,806)	1:156:A:ASP:HA	1:157:A:VAL:HG13	20	1.83
(1,2214)	1:148:A:VAL:HG21	1:253:B:PRO:HA	18	1.82
(1,2214)	1:148:A:VAL:HG22	1:253:B:PRO:HA	18	1.82
(1,2214)	1:148:A:VAL:HG23	1:253:B:PRO:HA	18	1.82
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD1	2	1.82
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD2	2	1.82
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD1	2	1.82
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD2	2	1.82
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD1	2	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD2	2	1.82
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG11	15	1.82
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG12	15	1.82
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG13	15	1.82
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG11	15	1.82
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG12	15	1.82
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG13	15	1.82
(1,2037)	1:102:A:ASN:HB2	1:254:B:ASP:HB3	6	1.82
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG21	16	1.82
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG22	16	1.82
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG23	16	1.82
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG21	16	1.82
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG22	16	1.82
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG23	16	1.82
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG21	16	1.82
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG22	16	1.82
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG23	16	1.82
(1,1618)	1:108:A:VAL:HG21	1:116:A:TYR:HA	6	1.82
(1,1618)	1:108:A:VAL:HG22	1:116:A:TYR:HA	6	1.82
(1,1618)	1:108:A:VAL:HG23	1:116:A:TYR:HA	6	1.82
(1,1618)	1:108:A:VAL:HG21	1:116:A:TYR:HA	8	1.82
(1,1618)	1:108:A:VAL:HG22	1:116:A:TYR:HA	8	1.82
(1,1618)	1:108:A:VAL:HG23	1:116:A:TYR:HA	8	1.82
(1,1426)	1:231:B:SER:HA	1:233:B:GLU:HB3	18	1.82
(1,1150)	1:110:A:VAL:HG21	1:113:A:ALA:HA	2	1.82
(1,1150)	1:110:A:VAL:HG22	1:113:A:ALA:HA	2	1.82
(1,1150)	1:110:A:VAL:HG23	1:113:A:ALA:HA	2	1.82
(1,2037)	1:102:A:ASN:HB2	1:254:B:ASP:HB3	13	1.81
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG21	1	1.81
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG22	1	1.81
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG23	1	1.81
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG21	1	1.81
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG22	1	1.81
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG23	1	1.81
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG21	1	1.81
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG22	1	1.81
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG23	1	1.81
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG21	11	1.81
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG22	11	1.81
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG23	11	1.81
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG21	11	1.81
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG22	11	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG23	11	1.81
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG21	11	1.81
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG22	11	1.81
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG23	11	1.81
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE1	19	1.81
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE2	19	1.81
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE1	19	1.81
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE2	19	1.81
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE1	19	1.81
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE2	19	1.81
(1,1647)	1:110:A:VAL:HA	1:117:A:ARG:HG2	17	1.81
(1,1354)	1:210:B:VAL:HG21	1:212:B:ALA:HA	4	1.81
(1,1354)	1:210:B:VAL:HG22	1:212:B:ALA:HA	4	1.81
(1,1354)	1:210:B:VAL:HG23	1:212:B:ALA:HA	4	1.81
(1,806)	1:156:A:ASP:HA	1:157:A:VAL:HG11	10	1.81
(1,806)	1:156:A:ASP:HA	1:157:A:VAL:HG12	10	1.81
(1,806)	1:156:A:ASP:HA	1:157:A:VAL:HG13	10	1.81
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG21	15	1.8
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG22	15	1.8
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG23	15	1.8
(1,1889)	1:210:B:VAL:HA	1:217:B:ARG:HG2	13	1.8
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG21	4	1.8
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG22	4	1.8
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG23	4	1.8
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG21	4	1.8
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG22	4	1.8
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG23	4	1.8
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG21	4	1.8
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG22	4	1.8
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG23	4	1.8
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG21	7	1.8
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG22	7	1.8
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG23	7	1.8
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG21	7	1.8
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG22	7	1.8
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG23	7	1.8
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG21	7	1.8
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG22	7	1.8
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG23	7	1.8
(1,1618)	1:108:A:VAL:HG21	1:116:A:TYR:HA	20	1.8
(1,1618)	1:108:A:VAL:HG22	1:116:A:TYR:HA	20	1.8
(1,1618)	1:108:A:VAL:HG23	1:116:A:TYR:HA	20	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG21	12	1.8
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG22	12	1.8
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG23	12	1.8
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG21	12	1.8
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG22	12	1.8
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG23	12	1.8
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG21	12	1.8
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG22	12	1.8
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG23	12	1.8
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG21	14	1.8
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG22	14	1.8
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG23	14	1.8
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG21	14	1.8
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG22	14	1.8
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG23	14	1.8
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG21	14	1.8
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG22	14	1.8
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG23	14	1.8
(1,1122)	1:256:B:ASP:HA	1:257:B:VAL:HG11	2	1.8
(1,1122)	1:256:B:ASP:HA	1:257:B:VAL:HG12	2	1.8
(1,1122)	1:256:B:ASP:HA	1:257:B:VAL:HG13	2	1.8
(1,2252)	1:154:A:ASP:HB3	1:202:B:ASN:HB2	6	1.79
(1,2252)	1:154:A:ASP:HB3	1:202:B:ASN:HB2	16	1.79
(1,2214)	1:148:A:VAL:HG21	1:253:B:PRO:HA	1	1.79
(1,2214)	1:148:A:VAL:HG22	1:253:B:PRO:HA	1	1.79
(1,2214)	1:148:A:VAL:HG23	1:253:B:PRO:HA	1	1.79
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD1	8	1.79
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD2	8	1.79
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD1	8	1.79
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD2	8	1.79
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD1	8	1.79
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD2	8	1.79
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD1	18	1.79
(1,2208)	1:148:A:VAL:HG11	1:206:B:PHE:HD2	18	1.79
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD1	18	1.79
(1,2208)	1:148:A:VAL:HG12	1:206:B:PHE:HD2	18	1.79
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD1	18	1.79
(1,2208)	1:148:A:VAL:HG13	1:206:B:PHE:HD2	18	1.79
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG11	18	1.79
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG12	18	1.79
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG13	18	1.79
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG11	18	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG12	18	1.79
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG13	18	1.79
(1,2037)	1:102:A:ASN:HB2	1:254:B:ASP:HB3	2	1.79
(1,2037)	1:102:A:ASN:HB2	1:254:B:ASP:HB3	4	1.79
(1,1889)	1:210:B:VAL:HA	1:217:B:ARG:HG2	14	1.79
(1,1860)	1:208:B:VAL:HG21	1:216:B:TYR:HA	2	1.79
(1,1860)	1:208:B:VAL:HG22	1:216:B:TYR:HA	2	1.79
(1,1860)	1:208:B:VAL:HG23	1:216:B:TYR:HA	2	1.79
(1,1860)	1:208:B:VAL:HG21	1:216:B:TYR:HA	5	1.79
(1,1860)	1:208:B:VAL:HG22	1:216:B:TYR:HA	5	1.79
(1,1860)	1:208:B:VAL:HG23	1:216:B:TYR:HA	5	1.79
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG21	18	1.79
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG22	18	1.79
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG23	18	1.79
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG21	18	1.79
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG22	18	1.79
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG23	18	1.79
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG21	18	1.79
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG22	18	1.79
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG23	18	1.79
(1,1647)	1:110:A:VAL:HA	1:117:A:ARG:HG2	13	1.79
(1,1618)	1:108:A:VAL:HG21	1:116:A:TYR:HA	12	1.79
(1,1618)	1:108:A:VAL:HG22	1:116:A:TYR:HA	12	1.79
(1,1618)	1:108:A:VAL:HG23	1:116:A:TYR:HA	12	1.79
(1,1618)	1:108:A:VAL:HG21	1:116:A:TYR:HA	13	1.79
(1,1618)	1:108:A:VAL:HG22	1:116:A:TYR:HA	13	1.79
(1,1618)	1:108:A:VAL:HG23	1:116:A:TYR:HA	13	1.79
(1,1618)	1:108:A:VAL:HG21	1:116:A:TYR:HA	17	1.79
(1,1618)	1:108:A:VAL:HG22	1:116:A:TYR:HA	17	1.79
(1,1618)	1:108:A:VAL:HG23	1:116:A:TYR:HA	17	1.79
(1,1148)	1:110:A:VAL:HG21	1:112:A:ALA:HA	19	1.79
(1,1148)	1:110:A:VAL:HG22	1:112:A:ALA:HA	19	1.79
(1,1148)	1:110:A:VAL:HG23	1:112:A:ALA:HA	19	1.79
(1,1122)	1:256:B:ASP:HA	1:257:B:VAL:HG11	20	1.79
(1,1122)	1:256:B:ASP:HA	1:257:B:VAL:HG12	20	1.79
(1,1122)	1:256:B:ASP:HA	1:257:B:VAL:HG13	20	1.79
(1,2252)	1:154:A:ASP:HB3	1:202:B:ASN:HB2	13	1.78
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG11	8	1.78
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG12	8	1.78
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG13	8	1.78
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG11	8	1.78
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG12	8	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG13	8	1.78
(1,1860)	1:208:B:VAL:HG21	1:216:B:TYR:HA	6	1.78
(1,1860)	1:208:B:VAL:HG22	1:216:B:TYR:HA	6	1.78
(1,1860)	1:208:B:VAL:HG23	1:216:B:TYR:HA	6	1.78
(1,1860)	1:208:B:VAL:HG21	1:216:B:TYR:HA	7	1.78
(1,1860)	1:208:B:VAL:HG22	1:216:B:TYR:HA	7	1.78
(1,1860)	1:208:B:VAL:HG23	1:216:B:TYR:HA	7	1.78
(1,1860)	1:208:B:VAL:HG21	1:216:B:TYR:HA	20	1.78
(1,1860)	1:208:B:VAL:HG22	1:216:B:TYR:HA	20	1.78
(1,1860)	1:208:B:VAL:HG23	1:216:B:TYR:HA	20	1.78
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG21	15	1.78
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG22	15	1.78
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG23	15	1.78
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG21	15	1.78
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG22	15	1.78
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG23	15	1.78
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG21	15	1.78
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG22	15	1.78
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG23	15	1.78
(1,1618)	1:108:A:VAL:HG21	1:116:A:TYR:HA	11	1.78
(1,1618)	1:108:A:VAL:HG22	1:116:A:TYR:HA	11	1.78
(1,1618)	1:108:A:VAL:HG23	1:116:A:TYR:HA	11	1.78
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG21	2	1.78
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG22	2	1.78
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG23	2	1.78
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG21	2	1.78
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG22	2	1.78
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG23	2	1.78
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG21	2	1.78
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG22	2	1.78
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG23	2	1.78
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG21	8	1.78
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG22	8	1.78
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG23	8	1.78
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG21	8	1.78
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG22	8	1.78
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG23	8	1.78
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG21	8	1.78
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG22	8	1.78
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG23	8	1.78
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG21	9	1.78
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG22	9	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG23	9	1.78
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG21	9	1.78
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG22	9	1.78
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG23	9	1.78
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG21	9	1.78
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG22	9	1.78
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG23	9	1.78
(1,1426)	1:231:B:SER:HA	1:233:B:GLU:HB3	9	1.78
(1,1426)	1:231:B:SER:HA	1:233:B:GLU:HB3	12	1.78
(1,586)	1:114:A:ASP:H	1:115:A:LYS:HG3	6	1.78
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG11	3	1.77
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG12	3	1.77
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG13	3	1.77
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG11	3	1.77
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG12	3	1.77
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG13	3	1.77
(1,2037)	1:102:A:ASN:HB2	1:254:B:ASP:HB3	5	1.77
(1,1860)	1:208:B:VAL:HG21	1:216:B:TYR:HA	4	1.77
(1,1860)	1:208:B:VAL:HG22	1:216:B:TYR:HA	4	1.77
(1,1860)	1:208:B:VAL:HG23	1:216:B:TYR:HA	4	1.77
(1,1860)	1:208:B:VAL:HG21	1:216:B:TYR:HA	17	1.77
(1,1860)	1:208:B:VAL:HG22	1:216:B:TYR:HA	17	1.77
(1,1860)	1:208:B:VAL:HG23	1:216:B:TYR:HA	17	1.77
(1,1860)	1:208:B:VAL:HG21	1:216:B:TYR:HA	19	1.77
(1,1860)	1:208:B:VAL:HG22	1:216:B:TYR:HA	19	1.77
(1,1860)	1:208:B:VAL:HG23	1:216:B:TYR:HA	19	1.77
(1,1426)	1:231:B:SER:HA	1:233:B:GLU:HB3	13	1.77
(1,1426)	1:231:B:SER:HA	1:233:B:GLU:HB3	16	1.77
(1,1426)	1:231:B:SER:HA	1:233:B:GLU:HB3	19	1.77
(1,1220)	1:131:A:SER:HA	1:133:A:GLU:HB3	3	1.77
(1,1220)	1:131:A:SER:HA	1:133:A:GLU:HB3	7	1.77
(1,1220)	1:131:A:SER:HA	1:133:A:GLU:HB3	16	1.77
(1,1895)	1:210:B:VAL:HG11	1:216:B:TYR:HB3	18	1.76
(1,1895)	1:210:B:VAL:HG12	1:216:B:TYR:HB3	18	1.76
(1,1895)	1:210:B:VAL:HG13	1:216:B:TYR:HB3	18	1.76
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG21	11	1.76
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG22	11	1.76
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG23	11	1.76
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG21	11	1.76
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG22	11	1.76
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG23	11	1.76
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG21	11	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG22	11	1.76
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG23	11	1.76
(1,1426)	1:231:B:SER:HA	1:233:B:GLU:HB3	3	1.76
(1,1220)	1:131:A:SER:HA	1:133:A:GLU:HB3	17	1.76
(1,1148)	1:110:A:VAL:HG21	1:112:A:ALA:HA	15	1.76
(1,1148)	1:110:A:VAL:HG22	1:112:A:ALA:HA	15	1.76
(1,1148)	1:110:A:VAL:HG23	1:112:A:ALA:HA	15	1.76
(1,902)	1:214:B:ASP:H	1:215:B:LYS:HG3	6	1.76
(1,2214)	1:148:A:VAL:HG21	1:253:B:PRO:HA	8	1.75
(1,2214)	1:148:A:VAL:HG22	1:253:B:PRO:HA	8	1.75
(1,2214)	1:148:A:VAL:HG23	1:253:B:PRO:HA	8	1.75
(1,1860)	1:208:B:VAL:HG21	1:216:B:TYR:HA	1	1.75
(1,1860)	1:208:B:VAL:HG22	1:216:B:TYR:HA	1	1.75
(1,1860)	1:208:B:VAL:HG23	1:216:B:TYR:HA	1	1.75
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG21	17	1.75
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG22	17	1.75
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG23	17	1.75
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG21	17	1.75
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG22	17	1.75
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG23	17	1.75
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG21	17	1.75
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG22	17	1.75
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG23	17	1.75
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG21	13	1.75
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG22	13	1.75
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG23	13	1.75
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG21	13	1.75
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG22	13	1.75
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG23	13	1.75
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG21	13	1.75
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG22	13	1.75
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG23	13	1.75
(1,1426)	1:231:B:SER:HA	1:233:B:GLU:HB3	17	1.75
(1,902)	1:214:B:ASP:H	1:215:B:LYS:HG3	19	1.75
(1,586)	1:114:A:ASP:H	1:115:A:LYS:HG3	2	1.75
(1,2037)	1:102:A:ASN:HB2	1:254:B:ASP:HB3	1	1.74
(1,1618)	1:108:A:VAL:HG21	1:116:A:TYR:HA	3	1.74
(1,1618)	1:108:A:VAL:HG22	1:116:A:TYR:HA	3	1.74
(1,1618)	1:108:A:VAL:HG23	1:116:A:TYR:HA	3	1.74
(1,1618)	1:108:A:VAL:HG21	1:116:A:TYR:HA	7	1.74
(1,1618)	1:108:A:VAL:HG22	1:116:A:TYR:HA	7	1.74
(1,1618)	1:108:A:VAL:HG23	1:116:A:TYR:HA	7	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG21	20	1.74
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG22	20	1.74
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG23	20	1.74
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG21	20	1.74
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG22	20	1.74
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG23	20	1.74
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG21	20	1.74
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG22	20	1.74
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG23	20	1.74
(1,1426)	1:231:B:SER:HA	1:233:B:GLU:HB3	2	1.74
(1,1220)	1:131:A:SER:HA	1:133:A:GLU:HB3	6	1.74
(1,1220)	1:131:A:SER:HA	1:133:A:GLU:HB3	9	1.74
(1,902)	1:214:B:ASP:H	1:215:B:LYS:HG3	3	1.74
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG21	3	1.73
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG22	3	1.73
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG23	3	1.73
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG21	6	1.73
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG22	6	1.73
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG23	6	1.73
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD11	14	1.73
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD12	14	1.73
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD13	14	1.73
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD11	14	1.73
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD12	14	1.73
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD13	14	1.73
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD11	14	1.73
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD12	14	1.73
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD13	14	1.73
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG11	1	1.73
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG12	1	1.73
(1,2080)	1:106:A:PHE:HD1	1:248:B:VAL:HG13	1	1.73
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG11	1	1.73
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG12	1	1.73
(1,2080)	1:106:A:PHE:HD2	1:248:B:VAL:HG13	1	1.73
(1,2037)	1:102:A:ASN:HB2	1:254:B:ASP:HB3	15	1.73
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG21	5	1.73
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG22	5	1.73
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG23	5	1.73
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG21	5	1.73
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG22	5	1.73
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG23	5	1.73
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG21	5	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG22	5	1.73
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG23	5	1.73
(1,1618)	1:108:A:VAL:HG21	1:116:A:TYR:HA	9	1.73
(1,1618)	1:108:A:VAL:HG22	1:116:A:TYR:HA	9	1.73
(1,1618)	1:108:A:VAL:HG23	1:116:A:TYR:HA	9	1.73
(1,1618)	1:108:A:VAL:HG21	1:116:A:TYR:HA	14	1.73
(1,1618)	1:108:A:VAL:HG22	1:116:A:TYR:HA	14	1.73
(1,1618)	1:108:A:VAL:HG23	1:116:A:TYR:HA	14	1.73
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG21	6	1.73
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG22	6	1.73
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG23	6	1.73
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG21	6	1.73
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG22	6	1.73
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG23	6	1.73
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG21	6	1.73
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG22	6	1.73
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG23	6	1.73
(1,1426)	1:231:B:SER:HA	1:233:B:GLU:HB3	8	1.73
(1,902)	1:214:B:ASP:H	1:215:B:LYS:HG3	2	1.73
(1,2252)	1:154:A:ASP:HB3	1:202:B:ASN:HB2	12	1.72
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG21	5	1.72
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG22	5	1.72
(1,1617)	1:108:A:VAL:HG11	1:145:A:ILE:HG23	5	1.72
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG21	5	1.72
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG22	5	1.72
(1,1617)	1:108:A:VAL:HG12	1:145:A:ILE:HG23	5	1.72
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG21	5	1.72
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG22	5	1.72
(1,1617)	1:108:A:VAL:HG13	1:145:A:ILE:HG23	5	1.72
(1,1357)	1:210:B:VAL:HG21	1:213:B:ALA:H	15	1.72
(1,1357)	1:210:B:VAL:HG22	1:213:B:ALA:H	15	1.72
(1,1357)	1:210:B:VAL:HG23	1:213:B:ALA:H	15	1.72
(1,1354)	1:210:B:VAL:HG21	1:212:B:ALA:HA	15	1.72
(1,1354)	1:210:B:VAL:HG22	1:212:B:ALA:HA	15	1.72
(1,1354)	1:210:B:VAL:HG23	1:212:B:ALA:HA	15	1.72
(1,1220)	1:131:A:SER:HA	1:133:A:GLU:HB3	8	1.72
(1,1220)	1:131:A:SER:HA	1:133:A:GLU:HB3	13	1.72
(1,1220)	1:131:A:SER:HA	1:133:A:GLU:HB3	15	1.72
(1,1150)	1:110:A:VAL:HG21	1:113:A:ALA:HA	6	1.72
(1,1150)	1:110:A:VAL:HG22	1:113:A:ALA:HA	6	1.72
(1,1150)	1:110:A:VAL:HG23	1:113:A:ALA:HA	6	1.72
(1,902)	1:214:B:ASP:H	1:215:B:LYS:HG3	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2252)	1:154:A:ASP:HB3	1:202:B:ASN:HB2	11	1.71
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD11	15	1.71
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD12	15	1.71
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD13	15	1.71
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD11	15	1.71
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD12	15	1.71
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD13	15	1.71
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD11	15	1.71
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD12	15	1.71
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD13	15	1.71
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE1	9	1.71
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE2	9	1.71
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE1	9	1.71
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE2	9	1.71
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE1	9	1.71
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE2	9	1.71
(1,1860)	1:208:B:VAL:HG21	1:216:B:TYR:HA	8	1.71
(1,1860)	1:208:B:VAL:HG22	1:216:B:TYR:HA	8	1.71
(1,1860)	1:208:B:VAL:HG23	1:216:B:TYR:HA	8	1.71
(1,1860)	1:208:B:VAL:HG21	1:216:B:TYR:HA	14	1.71
(1,1860)	1:208:B:VAL:HG22	1:216:B:TYR:HA	14	1.71
(1,1860)	1:208:B:VAL:HG23	1:216:B:TYR:HA	14	1.71
(1,1860)	1:208:B:VAL:HG21	1:216:B:TYR:HA	15	1.71
(1,1860)	1:208:B:VAL:HG22	1:216:B:TYR:HA	15	1.71
(1,1860)	1:208:B:VAL:HG23	1:216:B:TYR:HA	15	1.71
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG21	10	1.71
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG22	10	1.71
(1,1859)	1:208:B:VAL:HG11	1:245:B:ILE:HG23	10	1.71
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG21	10	1.71
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG22	10	1.71
(1,1859)	1:208:B:VAL:HG12	1:245:B:ILE:HG23	10	1.71
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG21	10	1.71
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG22	10	1.71
(1,1859)	1:208:B:VAL:HG13	1:245:B:ILE:HG23	10	1.71
(1,1220)	1:131:A:SER:HA	1:133:A:GLU:HB3	5	1.71
(1,1220)	1:131:A:SER:HA	1:133:A:GLU:HB3	14	1.71
(1,902)	1:214:B:ASP:H	1:215:B:LYS:HG3	12	1.71
(1,586)	1:114:A:ASP:H	1:115:A:LYS:HG3	4	1.71
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG21	4	1.7
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG22	4	1.7
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG23	4	1.7
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD11	4	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD12	4	1.7
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD13	4	1.7
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD11	4	1.7
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD12	4	1.7
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD13	4	1.7
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD11	4	1.7
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD12	4	1.7
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD13	4	1.7
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD11	16	1.7
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD12	16	1.7
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD13	16	1.7
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD11	16	1.7
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD12	16	1.7
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD13	16	1.7
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD11	16	1.7
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD12	16	1.7
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD13	16	1.7
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG11	2	1.7
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG12	2	1.7
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG13	2	1.7
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG11	2	1.7
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG12	2	1.7
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG13	2	1.7
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG11	2	1.7
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG12	2	1.7
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG13	2	1.7
(1,2037)	1:102:A:ASN:HB2	1:254:B:ASP:HB3	19	1.7
(1,1860)	1:208:B:VAL:HG21	1:216:B:TYR:HA	13	1.7
(1,1860)	1:208:B:VAL:HG22	1:216:B:TYR:HA	13	1.7
(1,1860)	1:208:B:VAL:HG23	1:216:B:TYR:HA	13	1.7
(1,1860)	1:208:B:VAL:HG21	1:216:B:TYR:HA	18	1.7
(1,1860)	1:208:B:VAL:HG22	1:216:B:TYR:HA	18	1.7
(1,1860)	1:208:B:VAL:HG23	1:216:B:TYR:HA	18	1.7
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE1	7	1.7
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE2	7	1.7
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE1	7	1.7
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE2	7	1.7
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE1	7	1.7
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE2	7	1.7
(1,1653)	1:110:A:VAL:HG11	1:116:A:TYR:HB3	4	1.7
(1,1653)	1:110:A:VAL:HG12	1:116:A:TYR:HB3	4	1.7
(1,1653)	1:110:A:VAL:HG13	1:116:A:TYR:HB3	4	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1426)	1:231:B:SER:HA	1:233:B:GLU:HB3	1	1.7
(1,902)	1:214:B:ASP:H	1:215:B:LYS:HG3	9	1.7
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE1	9	1.69
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE2	9	1.69
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE1	9	1.69
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE2	9	1.69
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE1	9	1.69
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE2	9	1.69
(1,1618)	1:108:A:VAL:HG21	1:116:A:TYR:HA	18	1.69
(1,1618)	1:108:A:VAL:HG22	1:116:A:TYR:HA	18	1.69
(1,1618)	1:108:A:VAL:HG23	1:116:A:TYR:HA	18	1.69
(1,1451)	1:239:B:GLN:HA	1:242:B:LYS:HG2	5	1.69
(1,1426)	1:231:B:SER:HA	1:233:B:GLU:HB3	5	1.69
(1,1426)	1:231:B:SER:HA	1:233:B:GLU:HB3	20	1.69
(1,1220)	1:131:A:SER:HA	1:133:A:GLU:HB3	19	1.69
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD11	20	1.68
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD12	20	1.68
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD13	20	1.68
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD11	20	1.68
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD12	20	1.68
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD13	20	1.68
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD11	20	1.68
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD12	20	1.68
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD13	20	1.68
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG11	7	1.68
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG12	7	1.68
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG13	7	1.68
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG11	7	1.68
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG12	7	1.68
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG13	7	1.68
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG11	7	1.68
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG12	7	1.68
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG13	7	1.68
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE1	7	1.68
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE2	7	1.68
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE1	7	1.68
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE2	7	1.68
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE1	7	1.68
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE2	7	1.68
(1,1895)	1:210:B:VAL:HG11	1:216:B:TYR:HB3	5	1.68
(1,1895)	1:210:B:VAL:HG12	1:216:B:TYR:HB3	5	1.68
(1,1895)	1:210:B:VAL:HG13	1:216:B:TYR:HB3	5	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1860)	1:208:B:VAL:HG21	1:216:B:TYR:HA	10	1.68
(1,1860)	1:208:B:VAL:HG22	1:216:B:TYR:HA	10	1.68
(1,1860)	1:208:B:VAL:HG23	1:216:B:TYR:HA	10	1.68
(1,1860)	1:208:B:VAL:HG21	1:216:B:TYR:HA	11	1.68
(1,1860)	1:208:B:VAL:HG22	1:216:B:TYR:HA	11	1.68
(1,1860)	1:208:B:VAL:HG23	1:216:B:TYR:HA	11	1.68
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE1	18	1.68
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE2	18	1.68
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE1	18	1.68
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE2	18	1.68
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE1	18	1.68
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE2	18	1.68
(1,1245)	1:139:A:GLN:HA	1:142:A:LYS:HG2	1	1.68
(1,1245)	1:139:A:GLN:HA	1:142:A:LYS:HG2	9	1.68
(1,2214)	1:148:A:VAL:HG21	1:253:B:PRO:HA	10	1.67
(1,2214)	1:148:A:VAL:HG22	1:253:B:PRO:HA	10	1.67
(1,2214)	1:148:A:VAL:HG23	1:253:B:PRO:HA	10	1.67
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD11	11	1.67
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD12	11	1.67
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD13	11	1.67
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD11	11	1.67
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD12	11	1.67
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD13	11	1.67
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD11	11	1.67
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD12	11	1.67
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD13	11	1.67
(1,1984)	1:220:B:LEU:HB2	1:228:B:LEU:H	17	1.67
(1,1742)	1:120:A:LEU:HB2	1:128:A:LEU:H	17	1.67
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE1	17	1.67
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE2	17	1.67
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE1	17	1.67
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE2	17	1.67
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE1	17	1.67
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE2	17	1.67
(1,1451)	1:239:B:GLN:HA	1:242:B:LYS:HG2	4	1.67
(1,1354)	1:210:B:VAL:HG21	1:212:B:ALA:HA	8	1.67
(1,1354)	1:210:B:VAL:HG22	1:212:B:ALA:HA	8	1.67
(1,1354)	1:210:B:VAL:HG23	1:212:B:ALA:HA	8	1.67
(1,1245)	1:139:A:GLN:HA	1:142:A:LYS:HG2	17	1.67
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG21	10	1.66
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG22	10	1.66
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG23	10	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD11	13	1.66
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD12	13	1.66
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD13	13	1.66
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD11	13	1.66
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD12	13	1.66
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD13	13	1.66
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD11	13	1.66
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD12	13	1.66
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD13	13	1.66
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG11	16	1.66
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG12	16	1.66
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG13	16	1.66
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG11	16	1.66
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG12	16	1.66
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG13	16	1.66
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG11	16	1.66
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG12	16	1.66
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG13	16	1.66
(1,1984)	1:220:B:LEU:HB2	1:228:B:LEU:H	9	1.66
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE1	1	1.66
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE2	1	1.66
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE1	1	1.66
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE2	1	1.66
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE1	1	1.66
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE2	1	1.66
(1,1742)	1:120:A:LEU:HB2	1:128:A:LEU:H	1	1.66
(1,1742)	1:120:A:LEU:HB2	1:128:A:LEU:H	7	1.66
(1,1742)	1:120:A:LEU:HB2	1:128:A:LEU:H	20	1.66
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE1	16	1.66
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE2	16	1.66
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE1	16	1.66
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE2	16	1.66
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE1	16	1.66
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE2	16	1.66
(1,1618)	1:108:A:VAL:HG21	1:116:A:TYR:HA	1	1.66
(1,1618)	1:108:A:VAL:HG22	1:116:A:TYR:HA	1	1.66
(1,1618)	1:108:A:VAL:HG23	1:116:A:TYR:HA	1	1.66
(1,1618)	1:108:A:VAL:HG21	1:116:A:TYR:HA	15	1.66
(1,1618)	1:108:A:VAL:HG22	1:116:A:TYR:HA	15	1.66
(1,1618)	1:108:A:VAL:HG23	1:116:A:TYR:HA	15	1.66
(1,1618)	1:108:A:VAL:HG21	1:116:A:TYR:HA	16	1.66
(1,1618)	1:108:A:VAL:HG22	1:116:A:TYR:HA	16	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1618)	1:108:A:VAL:HG23	1:116:A:TYR:HA	16	1.66
(1,1451)	1:239:B:GLN:HA	1:242:B:LYS:HG2	1	1.66
(1,1451)	1:239:B:GLN:HA	1:242:B:LYS:HG2	2	1.66
(1,1220)	1:131:A:SER:HA	1:133:A:GLU:HB3	20	1.66
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD11	12	1.65
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD12	12	1.65
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD13	12	1.65
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD11	12	1.65
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD12	12	1.65
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD13	12	1.65
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD11	12	1.65
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD12	12	1.65
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD13	12	1.65
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG11	6	1.65
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG12	6	1.65
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG13	6	1.65
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG11	6	1.65
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG12	6	1.65
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG13	6	1.65
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG11	6	1.65
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG12	6	1.65
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG13	6	1.65
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG11	17	1.65
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG12	17	1.65
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG13	17	1.65
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG11	17	1.65
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG12	17	1.65
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG13	17	1.65
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG11	17	1.65
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG12	17	1.65
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG13	17	1.65
(1,1984)	1:220:B:LEU:HB2	1:228:B:LEU:H	2	1.65
(1,1984)	1:220:B:LEU:HB2	1:228:B:LEU:H	3	1.65
(1,1984)	1:220:B:LEU:HB2	1:228:B:LEU:H	7	1.65
(1,1984)	1:220:B:LEU:HB2	1:228:B:LEU:H	14	1.65
(1,1984)	1:220:B:LEU:HB2	1:228:B:LEU:H	15	1.65
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE1	2	1.65
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE2	2	1.65
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE1	2	1.65
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE2	2	1.65
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE1	2	1.65
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE2	2	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE1	6	1.65
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE2	6	1.65
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE1	6	1.65
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE2	6	1.65
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE1	6	1.65
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE2	6	1.65
(1,1860)	1:208:B:VAL:HG21	1:216:B:TYR:HA	16	1.65
(1,1860)	1:208:B:VAL:HG22	1:216:B:TYR:HA	16	1.65
(1,1860)	1:208:B:VAL:HG23	1:216:B:TYR:HA	16	1.65
(1,1742)	1:120:A:LEU:HB2	1:128:A:LEU:H	2	1.65
(1,1742)	1:120:A:LEU:HB2	1:128:A:LEU:H	9	1.65
(1,1742)	1:120:A:LEU:HB2	1:128:A:LEU:H	12	1.65
(1,1742)	1:120:A:LEU:HB2	1:128:A:LEU:H	15	1.65
(1,1618)	1:108:A:VAL:HG21	1:116:A:TYR:HA	10	1.65
(1,1618)	1:108:A:VAL:HG22	1:116:A:TYR:HA	10	1.65
(1,1618)	1:108:A:VAL:HG23	1:116:A:TYR:HA	10	1.65
(1,1451)	1:239:B:GLN:HA	1:242:B:LYS:HG2	17	1.65
(1,1451)	1:239:B:GLN:HA	1:242:B:LYS:HG2	20	1.65
(1,1426)	1:231:B:SER:HA	1:233:B:GLU:HB3	7	1.65
(1,1220)	1:131:A:SER:HA	1:133:A:GLU:HB3	4	1.65
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD11	6	1.64
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD12	6	1.64
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD13	6	1.64
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD11	6	1.64
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD12	6	1.64
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD13	6	1.64
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD11	6	1.64
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD12	6	1.64
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD13	6	1.64
(1,1984)	1:220:B:LEU:HB2	1:228:B:LEU:H	5	1.64
(1,1984)	1:220:B:LEU:HB2	1:228:B:LEU:H	13	1.64
(1,1889)	1:210:B:VAL:HA	1:217:B:ARG:HG2	17	1.64
(1,1742)	1:120:A:LEU:HB2	1:128:A:LEU:H	3	1.64
(1,1742)	1:120:A:LEU:HB2	1:128:A:LEU:H	4	1.64
(1,1742)	1:120:A:LEU:HB2	1:128:A:LEU:H	8	1.64
(1,1742)	1:120:A:LEU:HB2	1:128:A:LEU:H	11	1.64
(1,1742)	1:120:A:LEU:HB2	1:128:A:LEU:H	13	1.64
(1,1742)	1:120:A:LEU:HB2	1:128:A:LEU:H	14	1.64
(1,1742)	1:120:A:LEU:HB2	1:128:A:LEU:H	18	1.64
(1,1653)	1:110:A:VAL:HG11	1:116:A:TYR:HB3	19	1.64
(1,1653)	1:110:A:VAL:HG12	1:116:A:TYR:HB3	19	1.64
(1,1653)	1:110:A:VAL:HG13	1:116:A:TYR:HB3	19	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1618)	1:108:A:VAL:HG21	1:116:A:TYR:HA	19	1.64
(1,1618)	1:108:A:VAL:HG22	1:116:A:TYR:HA	19	1.64
(1,1618)	1:108:A:VAL:HG23	1:116:A:TYR:HA	19	1.64
(1,1451)	1:239:B:GLN:HA	1:242:B:LYS:HG2	10	1.64
(1,1245)	1:139:A:GLN:HA	1:142:A:LYS:HG2	13	1.64
(1,1245)	1:139:A:GLN:HA	1:142:A:LYS:HG2	18	1.64
(1,1220)	1:131:A:SER:HA	1:133:A:GLU:HB3	2	1.64
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG21	12	1.63
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG22	12	1.63
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG23	12	1.63
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG11	11	1.63
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG12	11	1.63
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG13	11	1.63
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG11	11	1.63
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG12	11	1.63
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG13	11	1.63
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG11	11	1.63
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG12	11	1.63
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG13	11	1.63
(1,1984)	1:220:B:LEU:HB2	1:228:B:LEU:H	1	1.63
(1,1984)	1:220:B:LEU:HB2	1:228:B:LEU:H	8	1.63
(1,1984)	1:220:B:LEU:HB2	1:228:B:LEU:H	10	1.63
(1,1984)	1:220:B:LEU:HB2	1:228:B:LEU:H	11	1.63
(1,1984)	1:220:B:LEU:HB2	1:228:B:LEU:H	12	1.63
(1,1984)	1:220:B:LEU:HB2	1:228:B:LEU:H	16	1.63
(1,1984)	1:220:B:LEU:HB2	1:228:B:LEU:H	20	1.63
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG21	18	1.63
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG22	18	1.63
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG23	18	1.63
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG21	18	1.63
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG22	18	1.63
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG23	18	1.63
(1,1742)	1:120:A:LEU:HB2	1:128:A:LEU:H	10	1.63
(1,1742)	1:120:A:LEU:HB2	1:128:A:LEU:H	16	1.63
(1,1742)	1:120:A:LEU:HB2	1:128:A:LEU:H	19	1.63
(1,1653)	1:110:A:VAL:HG11	1:116:A:TYR:HB3	15	1.63
(1,1653)	1:110:A:VAL:HG12	1:116:A:TYR:HB3	15	1.63
(1,1653)	1:110:A:VAL:HG13	1:116:A:TYR:HB3	15	1.63
(1,1426)	1:231:B:SER:HA	1:233:B:GLU:HB3	11	1.63
(1,1426)	1:231:B:SER:HA	1:233:B:GLU:HB3	15	1.63
(1,1245)	1:139:A:GLN:HA	1:142:A:LYS:HG2	4	1.63
(1,1245)	1:139:A:GLN:HA	1:142:A:LYS:HG2	5	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2252)	1:154:A:ASP:HB3	1:202:B:ASN:HB2	1	1.62
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG21	1	1.62
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG22	1	1.62
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG23	1	1.62
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG21	9	1.62
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG22	9	1.62
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG23	9	1.62
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG21	19	1.62
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG22	19	1.62
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG23	19	1.62
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD11	7	1.62
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD12	7	1.62
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD13	7	1.62
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD11	7	1.62
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD12	7	1.62
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD13	7	1.62
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD11	7	1.62
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD12	7	1.62
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD13	7	1.62
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD11	17	1.62
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD12	17	1.62
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD13	17	1.62
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD11	17	1.62
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD12	17	1.62
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD13	17	1.62
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD11	17	1.62
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD12	17	1.62
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD13	17	1.62
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG11	10	1.62
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG12	10	1.62
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG13	10	1.62
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG11	10	1.62
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG12	10	1.62
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG13	10	1.62
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG11	10	1.62
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG12	10	1.62
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG13	10	1.62
(1,2102)	1:107:A:GLU:HG3	1:258:B:ILE:HB	1	1.62
(1,1984)	1:220:B:LEU:HB2	1:228:B:LEU:H	4	1.62
(1,1984)	1:220:B:LEU:HB2	1:228:B:LEU:H	6	1.62
(1,1984)	1:220:B:LEU:HB2	1:228:B:LEU:H	18	1.62
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE1	3	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE2	3	1.62
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE1	3	1.62
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE2	3	1.62
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE1	3	1.62
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE2	3	1.62
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE1	13	1.62
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE2	13	1.62
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE1	13	1.62
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE2	13	1.62
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE1	13	1.62
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE2	13	1.62
(1,1742)	1:120:A:LEU:HB2	1:128:A:LEU:H	5	1.62
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE1	5	1.62
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE2	5	1.62
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE1	5	1.62
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE2	5	1.62
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE1	5	1.62
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE2	5	1.62
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG21	8	1.62
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG22	8	1.62
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG23	8	1.62
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG21	8	1.62
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG22	8	1.62
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG23	8	1.62
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG21	18	1.62
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG22	18	1.62
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG23	18	1.62
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG21	18	1.62
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG22	18	1.62
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG23	18	1.62
(1,1451)	1:239:B:GLN:HA	1:242:B:LYS:HG2	7	1.62
(1,1451)	1:239:B:GLN:HA	1:242:B:LYS:HG2	15	1.62
(1,1451)	1:239:B:GLN:HA	1:242:B:LYS:HG2	16	1.62
(1,1245)	1:139:A:GLN:HA	1:142:A:LYS:HG2	11	1.62
(1,1245)	1:139:A:GLN:HA	1:142:A:LYS:HG2	20	1.62
(1,2214)	1:148:A:VAL:HG21	1:253:B:PRO:HA	19	1.61
(1,2214)	1:148:A:VAL:HG22	1:253:B:PRO:HA	19	1.61
(1,2214)	1:148:A:VAL:HG23	1:253:B:PRO:HA	19	1.61
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG11	12	1.61
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG12	12	1.61
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG13	12	1.61
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG11	12	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG12	12	1.61
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG13	12	1.61
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG11	12	1.61
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG12	12	1.61
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG13	12	1.61
(1,1984)	1:220:B:LEU:HB2	1:228:B:LEU:H	19	1.61
(1,1451)	1:239:B:GLN:HA	1:242:B:LYS:HG2	18	1.61
(1,1245)	1:139:A:GLN:HA	1:142:A:LYS:HG2	3	1.61
(1,2214)	1:148:A:VAL:HG21	1:253:B:PRO:HA	9	1.6
(1,2214)	1:148:A:VAL:HG22	1:253:B:PRO:HA	9	1.6
(1,2214)	1:148:A:VAL:HG23	1:253:B:PRO:HA	9	1.6
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD11	2	1.6
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD12	2	1.6
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD13	2	1.6
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD11	2	1.6
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD12	2	1.6
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD13	2	1.6
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD11	2	1.6
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD12	2	1.6
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD13	2	1.6
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD11	5	1.6
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD12	5	1.6
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD13	5	1.6
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD11	5	1.6
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD12	5	1.6
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD13	5	1.6
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD11	5	1.6
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD12	5	1.6
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD13	5	1.6
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG11	4	1.6
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG12	4	1.6
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG13	4	1.6
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG11	4	1.6
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG12	4	1.6
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG13	4	1.6
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG11	4	1.6
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG12	4	1.6
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG13	4	1.6
(1,2037)	1:102:A:ASN:HB2	1:254:B:ASP:HB3	12	1.6
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE1	20	1.6
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE2	20	1.6
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE1	20	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE2	20	1.6
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE1	20	1.6
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE2	20	1.6
(1,1895)	1:210:B:VAL:HG11	1:216:B:TYR:HB3	20	1.6
(1,1895)	1:210:B:VAL:HG12	1:216:B:TYR:HB3	20	1.6
(1,1895)	1:210:B:VAL:HG13	1:216:B:TYR:HB3	20	1.6
(1,1742)	1:120:A:LEU:HB2	1:128:A:LEU:H	6	1.6
(1,2252)	1:154:A:ASP:HB3	1:202:B:ASN:HB2	7	1.59
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD11	19	1.59
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD12	19	1.59
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD13	19	1.59
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD11	19	1.59
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD12	19	1.59
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD13	19	1.59
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD11	19	1.59
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD12	19	1.59
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD13	19	1.59
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG11	19	1.59
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG12	19	1.59
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG13	19	1.59
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG11	19	1.59
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG12	19	1.59
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG13	19	1.59
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG11	19	1.59
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG12	19	1.59
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG13	19	1.59
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG21	1	1.59
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG22	1	1.59
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG23	1	1.59
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG21	1	1.59
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG22	1	1.59
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG23	1	1.59
(1,1653)	1:110:A:VAL:HG11	1:116:A:TYR:HB3	16	1.59
(1,1653)	1:110:A:VAL:HG12	1:116:A:TYR:HB3	16	1.59
(1,1653)	1:110:A:VAL:HG13	1:116:A:TYR:HB3	16	1.59
(1,1451)	1:239:B:GLN:HA	1:242:B:LYS:HG2	6	1.59
(1,1426)	1:231:B:SER:HA	1:233:B:GLU:HB3	14	1.59
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG21	13	1.58
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG22	13	1.58
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG23	13	1.58
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG21	20	1.58
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG22	20	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG23	20	1.58
(1,2214)	1:148:A:VAL:HG21	1:253:B:PRO:HA	6	1.58
(1,2214)	1:148:A:VAL:HG22	1:253:B:PRO:HA	6	1.58
(1,2214)	1:148:A:VAL:HG23	1:253:B:PRO:HA	6	1.58
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD11	9	1.58
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD12	9	1.58
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD13	9	1.58
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD11	9	1.58
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD12	9	1.58
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD13	9	1.58
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD11	9	1.58
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD12	9	1.58
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD13	9	1.58
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD11	10	1.58
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD12	10	1.58
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD13	10	1.58
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD11	10	1.58
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD12	10	1.58
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD13	10	1.58
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD11	10	1.58
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD12	10	1.58
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD13	10	1.58
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG11	9	1.58
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG12	9	1.58
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG13	9	1.58
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG11	9	1.58
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG12	9	1.58
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG13	9	1.58
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG11	9	1.58
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG12	9	1.58
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG13	9	1.58
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG11	13	1.58
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG12	13	1.58
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG13	13	1.58
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG11	13	1.58
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG12	13	1.58
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG13	13	1.58
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG13	13	1.58
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG11	13	1.58
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG12	13	1.58
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG13	13	1.58
(1,1895)	1:210:B:VAL:HG11	1:216:B:TYR:HB3	1	1.58
(1,1895)	1:210:B:VAL:HG12	1:216:B:TYR:HB3	1	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1895)	1:210:B:VAL:HG13	1:216:B:TYR:HB3	1	1.58
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE1	10	1.58
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE2	10	1.58
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE1	10	1.58
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE2	10	1.58
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE1	10	1.58
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE2	10	1.58
(1,1653)	1:110:A:VAL:HG11	1:116:A:TYR:HB3	7	1.58
(1,1653)	1:110:A:VAL:HG12	1:116:A:TYR:HB3	7	1.58
(1,1653)	1:110:A:VAL:HG13	1:116:A:TYR:HB3	7	1.58
(1,1447)	1:238:B:LYS:HG2	1:242:B:LYS:HE3	19	1.58
(1,1245)	1:139:A:GLN:HA	1:142:A:LYS:HG2	15	1.58
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG21	2	1.57
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG22	2	1.57
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG23	2	1.57
(1,2214)	1:148:A:VAL:HG21	1:253:B:PRO:HA	11	1.57
(1,2214)	1:148:A:VAL:HG22	1:253:B:PRO:HA	11	1.57
(1,2214)	1:148:A:VAL:HG23	1:253:B:PRO:HA	11	1.57
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD11	1	1.57
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD12	1	1.57
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD13	1	1.57
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD11	1	1.57
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD12	1	1.57
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD13	1	1.57
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD11	1	1.57
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD12	1	1.57
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD13	1	1.57
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG11	5	1.57
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG12	5	1.57
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG13	5	1.57
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG11	5	1.57
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG12	5	1.57
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG13	5	1.57
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG11	5	1.57
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG12	5	1.57
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG13	5	1.57
(1,1895)	1:210:B:VAL:HG11	1:216:B:TYR:HB3	7	1.57
(1,1895)	1:210:B:VAL:HG12	1:216:B:TYR:HB3	7	1.57
(1,1895)	1:210:B:VAL:HG13	1:216:B:TYR:HB3	7	1.57
(1,1895)	1:210:B:VAL:HG11	1:216:B:TYR:HB3	17	1.57
(1,1895)	1:210:B:VAL:HG12	1:216:B:TYR:HB3	17	1.57
(1,1895)	1:210:B:VAL:HG13	1:216:B:TYR:HB3	17	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1241)	1:138:A:LYS:HG2	1:142:A:LYS:HE3	19	1.57
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG21	14	1.56
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG22	14	1.56
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG23	14	1.56
(1,2214)	1:148:A:VAL:HG21	1:253:B:PRO:HA	12	1.56
(1,2214)	1:148:A:VAL:HG22	1:253:B:PRO:HA	12	1.56
(1,2214)	1:148:A:VAL:HG23	1:253:B:PRO:HA	12	1.56
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG11	14	1.56
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG12	14	1.56
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG13	14	1.56
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG11	14	1.56
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG12	14	1.56
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG13	14	1.56
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG11	14	1.56
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG12	14	1.56
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG13	14	1.56
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG11	20	1.56
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG12	20	1.56
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG13	20	1.56
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG11	20	1.56
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG12	20	1.56
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG13	20	1.56
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG11	20	1.56
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG12	20	1.56
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG13	20	1.56
(1,1895)	1:210:B:VAL:HG11	1:216:B:TYR:HB3	13	1.56
(1,1895)	1:210:B:VAL:HG12	1:216:B:TYR:HB3	13	1.56
(1,1895)	1:210:B:VAL:HG13	1:216:B:TYR:HB3	13	1.56
(1,1653)	1:110:A:VAL:HG11	1:116:A:TYR:HB3	10	1.56
(1,1653)	1:110:A:VAL:HG12	1:116:A:TYR:HB3	10	1.56
(1,1653)	1:110:A:VAL:HG13	1:116:A:TYR:HB3	10	1.56
(1,1451)	1:239:B:GLN:HA	1:242:B:LYS:HG2	8	1.56
(1,1245)	1:139:A:GLN:HA	1:142:A:LYS:HG2	2	1.56
(1,1245)	1:139:A:GLN:HA	1:142:A:LYS:HG2	8	1.56
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG21	17	1.55
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG22	17	1.55
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG23	17	1.55
(1,2214)	1:148:A:VAL:HG21	1:253:B:PRO:HA	3	1.55
(1,2214)	1:148:A:VAL:HG22	1:253:B:PRO:HA	3	1.55
(1,2214)	1:148:A:VAL:HG23	1:253:B:PRO:HA	3	1.55
(1,1895)	1:210:B:VAL:HG11	1:216:B:TYR:HB3	6	1.55
(1,1895)	1:210:B:VAL:HG12	1:216:B:TYR:HB3	6	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1895)	1:210:B:VAL:HG13	1:216:B:TYR:HB3	6	1.55
(1,1895)	1:210:B:VAL:HG11	1:216:B:TYR:HB3	9	1.55
(1,1895)	1:210:B:VAL:HG12	1:216:B:TYR:HB3	9	1.55
(1,1895)	1:210:B:VAL:HG13	1:216:B:TYR:HB3	9	1.55
(1,1889)	1:210:B:VAL:HA	1:217:B:ARG:HG2	10	1.55
(1,1653)	1:110:A:VAL:HG11	1:116:A:TYR:HB3	18	1.55
(1,1653)	1:110:A:VAL:HG12	1:116:A:TYR:HB3	18	1.55
(1,1653)	1:110:A:VAL:HG13	1:116:A:TYR:HB3	18	1.55
(1,2252)	1:154:A:ASP:HB3	1:202:B:ASN:HB2	20	1.54
(1,2214)	1:148:A:VAL:HG21	1:253:B:PRO:HA	15	1.54
(1,2214)	1:148:A:VAL:HG22	1:253:B:PRO:HA	15	1.54
(1,2214)	1:148:A:VAL:HG23	1:253:B:PRO:HA	15	1.54
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD11	3	1.54
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD12	3	1.54
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD13	3	1.54
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD11	3	1.54
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD12	3	1.54
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD13	3	1.54
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD11	3	1.54
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD12	3	1.54
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD13	3	1.54
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG11	15	1.54
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG12	15	1.54
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG13	15	1.54
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG11	15	1.54
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG12	15	1.54
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG13	15	1.54
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG11	15	1.54
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG12	15	1.54
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG13	15	1.54
(1,1895)	1:210:B:VAL:HG11	1:216:B:TYR:HB3	3	1.54
(1,1895)	1:210:B:VAL:HG12	1:216:B:TYR:HB3	3	1.54
(1,1895)	1:210:B:VAL:HG13	1:216:B:TYR:HB3	3	1.54
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG21	8	1.54
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG22	8	1.54
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG23	8	1.54
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG21	8	1.54
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG22	8	1.54
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG23	8	1.54
(1,1360)	1:210:B:VAL:HG21	1:214:B:ASP:HB2	7	1.54
(1,1360)	1:210:B:VAL:HG22	1:214:B:ASP:HB2	7	1.54
(1,1360)	1:210:B:VAL:HG23	1:214:B:ASP:HB2	7	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1154)	1:110:A:VAL:HG21	1:114:A:ASP:HB2	8	1.54
(1,1154)	1:110:A:VAL:HG22	1:114:A:ASP:HB2	8	1.54
(1,1154)	1:110:A:VAL:HG23	1:114:A:ASP:HB2	8	1.54
(1,1127)	1:257:B:VAL:HG21	1:258:B:ILE:H	2	1.54
(1,1127)	1:257:B:VAL:HG22	1:258:B:ILE:H	2	1.54
(1,1127)	1:257:B:VAL:HG23	1:258:B:ILE:H	2	1.54
(1,1127)	1:257:B:VAL:HG21	1:258:B:ILE:H	17	1.54
(1,1127)	1:257:B:VAL:HG22	1:258:B:ILE:H	17	1.54
(1,1127)	1:257:B:VAL:HG23	1:258:B:ILE:H	17	1.54
(1,2252)	1:154:A:ASP:HB3	1:202:B:ASN:HB2	17	1.53
(1,2214)	1:148:A:VAL:HG21	1:253:B:PRO:HA	7	1.53
(1,2214)	1:148:A:VAL:HG22	1:253:B:PRO:HA	7	1.53
(1,2214)	1:148:A:VAL:HG23	1:253:B:PRO:HA	7	1.53
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD11	8	1.53
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD12	8	1.53
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD13	8	1.53
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD11	8	1.53
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD12	8	1.53
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD13	8	1.53
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD11	8	1.53
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD12	8	1.53
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD13	8	1.53
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD11	18	1.53
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD12	18	1.53
(1,2209)	1:148:A:VAL:HG11	1:220:B:LEU:HD13	18	1.53
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD11	18	1.53
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD12	18	1.53
(1,2209)	1:148:A:VAL:HG12	1:220:B:LEU:HD13	18	1.53
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD11	18	1.53
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD12	18	1.53
(1,2209)	1:148:A:VAL:HG13	1:220:B:LEU:HD13	18	1.53
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG11	1	1.53
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG12	1	1.53
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG13	1	1.53
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG11	1	1.53
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG12	1	1.53
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG13	1	1.53
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG11	1	1.53
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG12	1	1.53
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG13	1	1.53
(1,2037)	1:102:A:ASN:HB2	1:254:B:ASP:HB3	10	1.53
(1,1653)	1:110:A:VAL:HG11	1:116:A:TYR:HB3	5	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1653)	1:110:A:VAL:HG12	1:116:A:TYR:HB3	5	1.53
(1,1653)	1:110:A:VAL:HG13	1:116:A:TYR:HB3	5	1.53
(1,1360)	1:210:B:VAL:HG21	1:214:B:ASP:HB2	5	1.53
(1,1360)	1:210:B:VAL:HG22	1:214:B:ASP:HB2	5	1.53
(1,1360)	1:210:B:VAL:HG23	1:214:B:ASP:HB2	5	1.53
(1,1360)	1:210:B:VAL:HG21	1:214:B:ASP:HB2	20	1.53
(1,1360)	1:210:B:VAL:HG22	1:214:B:ASP:HB2	20	1.53
(1,1360)	1:210:B:VAL:HG23	1:214:B:ASP:HB2	20	1.53
(1,1220)	1:131:A:SER:HA	1:133:A:GLU:HB3	11	1.53
(1,1154)	1:110:A:VAL:HG21	1:114:A:ASP:HB2	11	1.53
(1,1154)	1:110:A:VAL:HG22	1:114:A:ASP:HB2	11	1.53
(1,1154)	1:110:A:VAL:HG23	1:114:A:ASP:HB2	11	1.53
(1,1127)	1:257:B:VAL:HG21	1:258:B:ILE:H	12	1.53
(1,1127)	1:257:B:VAL:HG22	1:258:B:ILE:H	12	1.53
(1,1127)	1:257:B:VAL:HG23	1:258:B:ILE:H	12	1.53
(1,811)	1:157:A:VAL:HG21	1:158:A:ILE:H	6	1.53
(1,811)	1:157:A:VAL:HG22	1:158:A:ILE:H	6	1.53
(1,811)	1:157:A:VAL:HG23	1:158:A:ILE:H	6	1.53
(1,2252)	1:154:A:ASP:HB3	1:202:B:ASN:HB2	19	1.52
(1,2214)	1:148:A:VAL:HG21	1:253:B:PRO:HA	2	1.52
(1,2214)	1:148:A:VAL:HG22	1:253:B:PRO:HA	2	1.52
(1,2214)	1:148:A:VAL:HG23	1:253:B:PRO:HA	2	1.52
(1,2214)	1:148:A:VAL:HG21	1:253:B:PRO:HA	4	1.52
(1,2214)	1:148:A:VAL:HG22	1:253:B:PRO:HA	4	1.52
(1,2214)	1:148:A:VAL:HG23	1:253:B:PRO:HA	4	1.52
(1,2072)	1:105:A:HIS:H	1:251:B:ASN:HB2	6	1.52
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE1	17	1.52
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE2	17	1.52
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE1	17	1.52
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE2	17	1.52
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE1	17	1.52
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE2	17	1.52
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE1	11	1.52
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE2	11	1.52
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE1	11	1.52
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE2	11	1.52
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE1	11	1.52
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE2	11	1.52
(1,1653)	1:110:A:VAL:HG11	1:116:A:TYR:HB3	1	1.52
(1,1653)	1:110:A:VAL:HG12	1:116:A:TYR:HB3	1	1.52
(1,1653)	1:110:A:VAL:HG13	1:116:A:TYR:HB3	1	1.52
(1,1653)	1:110:A:VAL:HG11	1:116:A:TYR:HB3	9	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1653)	1:110:A:VAL:HG12	1:116:A:TYR:HB3	9	1.52
(1,1653)	1:110:A:VAL:HG13	1:116:A:TYR:HB3	9	1.52
(1,1653)	1:110:A:VAL:HG11	1:116:A:TYR:HB3	11	1.52
(1,1653)	1:110:A:VAL:HG12	1:116:A:TYR:HB3	11	1.52
(1,1653)	1:110:A:VAL:HG13	1:116:A:TYR:HB3	11	1.52
(1,1653)	1:110:A:VAL:HG11	1:116:A:TYR:HB3	17	1.52
(1,1653)	1:110:A:VAL:HG12	1:116:A:TYR:HB3	17	1.52
(1,1653)	1:110:A:VAL:HG13	1:116:A:TYR:HB3	17	1.52
(1,1377)	1:213:B:ALA:HA	1:215:B:LYS:HG3	3	1.52
(1,1360)	1:210:B:VAL:HG21	1:214:B:ASP:HB2	13	1.52
(1,1360)	1:210:B:VAL:HG22	1:214:B:ASP:HB2	13	1.52
(1,1360)	1:210:B:VAL:HG23	1:214:B:ASP:HB2	13	1.52
(1,1360)	1:210:B:VAL:HG21	1:214:B:ASP:HB2	19	1.52
(1,1360)	1:210:B:VAL:HG22	1:214:B:ASP:HB2	19	1.52
(1,1360)	1:210:B:VAL:HG23	1:214:B:ASP:HB2	19	1.52
(1,1154)	1:110:A:VAL:HG21	1:114:A:ASP:HB2	14	1.52
(1,1154)	1:110:A:VAL:HG22	1:114:A:ASP:HB2	14	1.52
(1,1154)	1:110:A:VAL:HG23	1:114:A:ASP:HB2	14	1.52
(1,1154)	1:110:A:VAL:HG21	1:114:A:ASP:HB2	15	1.52
(1,1154)	1:110:A:VAL:HG22	1:114:A:ASP:HB2	15	1.52
(1,1154)	1:110:A:VAL:HG23	1:114:A:ASP:HB2	15	1.52
(1,811)	1:157:A:VAL:HG21	1:158:A:ILE:H	12	1.52
(1,811)	1:157:A:VAL:HG22	1:158:A:ILE:H	12	1.52
(1,811)	1:157:A:VAL:HG23	1:158:A:ILE:H	12	1.52
(1,811)	1:157:A:VAL:HG21	1:158:A:ILE:H	20	1.52
(1,811)	1:157:A:VAL:HG22	1:158:A:ILE:H	20	1.52
(1,811)	1:157:A:VAL:HG23	1:158:A:ILE:H	20	1.52
(1,2214)	1:148:A:VAL:HG21	1:253:B:PRO:HA	13	1.51
(1,2214)	1:148:A:VAL:HG22	1:253:B:PRO:HA	13	1.51
(1,2214)	1:148:A:VAL:HG23	1:253:B:PRO:HA	13	1.51
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG11	3	1.51
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG12	3	1.51
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG13	3	1.51
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG11	3	1.51
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG12	3	1.51
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG13	3	1.51
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG11	3	1.51
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG12	3	1.51
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG13	3	1.51
(1,1895)	1:210:B:VAL:HG11	1:216:B:TYR:HB3	2	1.51
(1,1895)	1:210:B:VAL:HG12	1:216:B:TYR:HB3	2	1.51
(1,1895)	1:210:B:VAL:HG13	1:216:B:TYR:HB3	2	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1426)	1:231:B:SER:HA	1:233:B:GLU:HB3	6	1.51
(1,1360)	1:210:B:VAL:HG21	1:214:B:ASP:HB2	1	1.51
(1,1360)	1:210:B:VAL:HG22	1:214:B:ASP:HB2	1	1.51
(1,1360)	1:210:B:VAL:HG23	1:214:B:ASP:HB2	1	1.51
(1,1360)	1:210:B:VAL:HG21	1:214:B:ASP:HB2	9	1.51
(1,1360)	1:210:B:VAL:HG22	1:214:B:ASP:HB2	9	1.51
(1,1360)	1:210:B:VAL:HG23	1:214:B:ASP:HB2	9	1.51
(1,1360)	1:210:B:VAL:HG21	1:214:B:ASP:HB2	12	1.51
(1,1360)	1:210:B:VAL:HG22	1:214:B:ASP:HB2	12	1.51
(1,1360)	1:210:B:VAL:HG23	1:214:B:ASP:HB2	12	1.51
(1,1360)	1:210:B:VAL:HG21	1:214:B:ASP:HB2	16	1.51
(1,1360)	1:210:B:VAL:HG22	1:214:B:ASP:HB2	16	1.51
(1,1360)	1:210:B:VAL:HG23	1:214:B:ASP:HB2	16	1.51
(1,1360)	1:210:B:VAL:HG21	1:214:B:ASP:HB2	18	1.51
(1,1360)	1:210:B:VAL:HG22	1:214:B:ASP:HB2	18	1.51
(1,1360)	1:210:B:VAL:HG23	1:214:B:ASP:HB2	18	1.51
(1,1245)	1:139:A:GLN:HA	1:142:A:LYS:HG2	12	1.51
(1,1154)	1:110:A:VAL:HG21	1:114:A:ASP:HB2	3	1.51
(1,1154)	1:110:A:VAL:HG22	1:114:A:ASP:HB2	3	1.51
(1,1154)	1:110:A:VAL:HG23	1:114:A:ASP:HB2	3	1.51
(1,1154)	1:110:A:VAL:HG21	1:114:A:ASP:HB2	4	1.51
(1,1154)	1:110:A:VAL:HG22	1:114:A:ASP:HB2	4	1.51
(1,1154)	1:110:A:VAL:HG23	1:114:A:ASP:HB2	4	1.51
(1,1154)	1:110:A:VAL:HG21	1:114:A:ASP:HB2	7	1.51
(1,1154)	1:110:A:VAL:HG22	1:114:A:ASP:HB2	7	1.51
(1,1154)	1:110:A:VAL:HG23	1:114:A:ASP:HB2	7	1.51
(1,1127)	1:257:B:VAL:HG21	1:258:B:ILE:H	7	1.51
(1,1127)	1:257:B:VAL:HG22	1:258:B:ILE:H	7	1.51
(1,1127)	1:257:B:VAL:HG23	1:258:B:ILE:H	7	1.51
(1,1127)	1:257:B:VAL:HG21	1:258:B:ILE:H	18	1.51
(1,1127)	1:257:B:VAL:HG22	1:258:B:ILE:H	18	1.51
(1,1127)	1:257:B:VAL:HG23	1:258:B:ILE:H	18	1.51
(1,811)	1:157:A:VAL:HG21	1:158:A:ILE:H	10	1.51
(1,811)	1:157:A:VAL:HG22	1:158:A:ILE:H	10	1.51
(1,811)	1:157:A:VAL:HG23	1:158:A:ILE:H	10	1.51
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG21	16	1.5
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG22	16	1.5
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG23	16	1.5
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG11	18	1.5
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG12	18	1.5
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG13	18	1.5
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG11	18	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG12	18	1.5
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG13	18	1.5
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG11	18	1.5
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG12	18	1.5
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG13	18	1.5
(1,2072)	1:105:A:HIS:H	1:251:B:ASN:HB2	13	1.5
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE1	12	1.5
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE2	12	1.5
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE1	12	1.5
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE2	12	1.5
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE1	12	1.5
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE2	12	1.5
(1,1653)	1:110:A:VAL:HG11	1:116:A:TYR:HB3	6	1.5
(1,1653)	1:110:A:VAL:HG12	1:116:A:TYR:HB3	6	1.5
(1,1653)	1:110:A:VAL:HG13	1:116:A:TYR:HB3	6	1.5
(1,1653)	1:110:A:VAL:HG11	1:116:A:TYR:HB3	14	1.5
(1,1653)	1:110:A:VAL:HG12	1:116:A:TYR:HB3	14	1.5
(1,1653)	1:110:A:VAL:HG13	1:116:A:TYR:HB3	14	1.5
(1,1653)	1:110:A:VAL:HG11	1:116:A:TYR:HB3	20	1.5
(1,1653)	1:110:A:VAL:HG12	1:116:A:TYR:HB3	20	1.5
(1,1653)	1:110:A:VAL:HG13	1:116:A:TYR:HB3	20	1.5
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG21	3	1.5
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG22	3	1.5
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG23	3	1.5
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG21	3	1.5
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG22	3	1.5
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG23	3	1.5
(1,1377)	1:213:B:ALA:HA	1:215:B:LYS:HG3	19	1.5
(1,1360)	1:210:B:VAL:HG21	1:214:B:ASP:HB2	3	1.5
(1,1360)	1:210:B:VAL:HG22	1:214:B:ASP:HB2	3	1.5
(1,1360)	1:210:B:VAL:HG23	1:214:B:ASP:HB2	3	1.5
(1,1360)	1:210:B:VAL:HG21	1:214:B:ASP:HB2	10	1.5
(1,1360)	1:210:B:VAL:HG22	1:214:B:ASP:HB2	10	1.5
(1,1360)	1:210:B:VAL:HG23	1:214:B:ASP:HB2	10	1.5
(1,1360)	1:210:B:VAL:HG21	1:214:B:ASP:HB2	11	1.5
(1,1360)	1:210:B:VAL:HG22	1:214:B:ASP:HB2	11	1.5
(1,1360)	1:210:B:VAL:HG23	1:214:B:ASP:HB2	11	1.5
(1,1245)	1:139:A:GLN:HA	1:142:A:LYS:HG2	7	1.5
(1,1154)	1:110:A:VAL:HG21	1:114:A:ASP:HB2	19	1.5
(1,1154)	1:110:A:VAL:HG22	1:114:A:ASP:HB2	19	1.5
(1,1154)	1:110:A:VAL:HG23	1:114:A:ASP:HB2	19	1.5
(1,1127)	1:257:B:VAL:HG21	1:258:B:ILE:H	4	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1127)	1:257:B:VAL:HG22	1:258:B:ILE:H	4	1.5
(1,1127)	1:257:B:VAL:HG23	1:258:B:ILE:H	4	1.5
(1,1127)	1:257:B:VAL:HG21	1:258:B:ILE:H	20	1.5
(1,1127)	1:257:B:VAL:HG22	1:258:B:ILE:H	20	1.5
(1,1127)	1:257:B:VAL:HG23	1:258:B:ILE:H	20	1.5
(1,2252)	1:154:A:ASP:HB3	1:202:B:ASN:HB2	18	1.49
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG21	11	1.49
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG22	11	1.49
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG23	11	1.49
(1,2229)	1:151:A:ASN:HB2	1:205:B:HIS:H	5	1.49
(1,2229)	1:151:A:ASN:HB2	1:205:B:HIS:H	6	1.49
(1,2229)	1:151:A:ASN:HB2	1:205:B:HIS:H	19	1.49
(1,2214)	1:148:A:VAL:HG21	1:253:B:PRO:HA	5	1.49
(1,2214)	1:148:A:VAL:HG22	1:253:B:PRO:HA	5	1.49
(1,2214)	1:148:A:VAL:HG23	1:253:B:PRO:HA	5	1.49
(1,2072)	1:105:A:HIS:H	1:251:B:ASN:HB2	15	1.49
(1,2037)	1:102:A:ASN:HB2	1:254:B:ASP:HB3	18	1.49
(1,1889)	1:210:B:VAL:HA	1:217:B:ARG:HG2	6	1.49
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE1	20	1.49
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE2	20	1.49
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE1	20	1.49
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE2	20	1.49
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE1	20	1.49
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE2	20	1.49
(1,1154)	1:110:A:VAL:HG21	1:114:A:ASP:HB2	1	1.49
(1,1154)	1:110:A:VAL:HG22	1:114:A:ASP:HB2	1	1.49
(1,1154)	1:110:A:VAL:HG23	1:114:A:ASP:HB2	1	1.49
(1,1154)	1:110:A:VAL:HG21	1:114:A:ASP:HB2	9	1.49
(1,1154)	1:110:A:VAL:HG22	1:114:A:ASP:HB2	9	1.49
(1,1154)	1:110:A:VAL:HG23	1:114:A:ASP:HB2	9	1.49
(1,1154)	1:110:A:VAL:HG21	1:114:A:ASP:HB2	10	1.49
(1,1154)	1:110:A:VAL:HG22	1:114:A:ASP:HB2	10	1.49
(1,1154)	1:110:A:VAL:HG23	1:114:A:ASP:HB2	10	1.49
(1,1154)	1:110:A:VAL:HG21	1:114:A:ASP:HB2	12	1.49
(1,1154)	1:110:A:VAL:HG22	1:114:A:ASP:HB2	12	1.49
(1,1154)	1:110:A:VAL:HG23	1:114:A:ASP:HB2	12	1.49
(1,1154)	1:110:A:VAL:HG21	1:114:A:ASP:HB2	17	1.49
(1,1154)	1:110:A:VAL:HG22	1:114:A:ASP:HB2	17	1.49
(1,1154)	1:110:A:VAL:HG23	1:114:A:ASP:HB2	17	1.49
(1,2229)	1:151:A:ASN:HB2	1:205:B:HIS:H	10	1.48
(1,2229)	1:151:A:ASN:HB2	1:205:B:HIS:H	20	1.48
(1,2214)	1:148:A:VAL:HG21	1:253:B:PRO:HA	20	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2214)	1:148:A:VAL:HG22	1:253:B:PRO:HA	20	1.48
(1,2214)	1:148:A:VAL:HG23	1:253:B:PRO:HA	20	1.48
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG11	8	1.48
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG12	8	1.48
(1,2119)	1:120:A:LEU:HD11	1:248:B:VAL:HG13	8	1.48
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG11	8	1.48
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG12	8	1.48
(1,2119)	1:120:A:LEU:HD12	1:248:B:VAL:HG13	8	1.48
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG11	8	1.48
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG12	8	1.48
(1,2119)	1:120:A:LEU:HD13	1:248:B:VAL:HG13	8	1.48
(1,2072)	1:105:A:HIS:H	1:251:B:ASN:HB2	10	1.48
(1,1889)	1:210:B:VAL:HA	1:217:B:ARG:HG2	12	1.48
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG21	3	1.48
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG22	3	1.48
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG23	3	1.48
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG21	3	1.48
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG22	3	1.48
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG23	3	1.48
(1,1653)	1:110:A:VAL:HG11	1:116:A:TYR:HB3	12	1.48
(1,1653)	1:110:A:VAL:HG12	1:116:A:TYR:HB3	12	1.48
(1,1653)	1:110:A:VAL:HG13	1:116:A:TYR:HB3	12	1.48
(1,1377)	1:213:B:ALA:HA	1:215:B:LYS:HG3	6	1.48
(1,1360)	1:210:B:VAL:HG21	1:214:B:ASP:HB2	17	1.48
(1,1360)	1:210:B:VAL:HG22	1:214:B:ASP:HB2	17	1.48
(1,1360)	1:210:B:VAL:HG23	1:214:B:ASP:HB2	17	1.48
(1,1154)	1:110:A:VAL:HG21	1:114:A:ASP:HB2	6	1.48
(1,1154)	1:110:A:VAL:HG22	1:114:A:ASP:HB2	6	1.48
(1,1154)	1:110:A:VAL:HG23	1:114:A:ASP:HB2	6	1.48
(1,1154)	1:110:A:VAL:HG21	1:114:A:ASP:HB2	20	1.48
(1,1154)	1:110:A:VAL:HG22	1:114:A:ASP:HB2	20	1.48
(1,1154)	1:110:A:VAL:HG23	1:114:A:ASP:HB2	20	1.48
(1,2252)	1:154:A:ASP:HB3	1:202:B:ASN:HB2	4	1.47
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG21	5	1.47
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG22	5	1.47
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG23	5	1.47
(1,2229)	1:151:A:ASN:HB2	1:205:B:HIS:H	1	1.47
(1,2072)	1:105:A:HIS:H	1:251:B:ASN:HB2	5	1.47
(1,2072)	1:105:A:HIS:H	1:251:B:ASN:HB2	14	1.47
(1,2072)	1:105:A:HIS:H	1:251:B:ASN:HB2	19	1.47
(1,1895)	1:210:B:VAL:HG11	1:216:B:TYR:HB3	4	1.47
(1,1895)	1:210:B:VAL:HG12	1:216:B:TYR:HB3	4	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1895)	1:210:B:VAL:HG13	1:216:B:TYR:HB3	4	1.47
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE1	1	1.47
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE2	1	1.47
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE1	1	1.47
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE2	1	1.47
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE1	1	1.47
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE2	1	1.47
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE1	3	1.47
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE2	3	1.47
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE1	3	1.47
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE2	3	1.47
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE1	3	1.47
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE2	3	1.47
(1,1377)	1:213:B:ALA:HA	1:215:B:LYS:HG3	2	1.47
(1,1377)	1:213:B:ALA:HA	1:215:B:LYS:HG3	4	1.47
(1,1377)	1:213:B:ALA:HA	1:215:B:LYS:HG3	12	1.47
(1,1360)	1:210:B:VAL:HG21	1:214:B:ASP:HB2	2	1.47
(1,1360)	1:210:B:VAL:HG22	1:214:B:ASP:HB2	2	1.47
(1,1360)	1:210:B:VAL:HG23	1:214:B:ASP:HB2	2	1.47
(1,1360)	1:210:B:VAL:HG21	1:214:B:ASP:HB2	14	1.47
(1,1360)	1:210:B:VAL:HG22	1:214:B:ASP:HB2	14	1.47
(1,1360)	1:210:B:VAL:HG23	1:214:B:ASP:HB2	14	1.47
(1,1245)	1:139:A:GLN:HA	1:142:A:LYS:HG2	16	1.47
(1,1171)	1:113:A:ALA:HA	1:115:A:LYS:HG3	6	1.47
(1,1154)	1:110:A:VAL:HG21	1:114:A:ASP:HB2	5	1.47
(1,1154)	1:110:A:VAL:HG22	1:114:A:ASP:HB2	5	1.47
(1,1154)	1:110:A:VAL:HG23	1:114:A:ASP:HB2	5	1.47
(1,1154)	1:110:A:VAL:HG21	1:114:A:ASP:HB2	13	1.47
(1,1154)	1:110:A:VAL:HG22	1:114:A:ASP:HB2	13	1.47
(1,1154)	1:110:A:VAL:HG23	1:114:A:ASP:HB2	13	1.47
(1,1154)	1:110:A:VAL:HG21	1:114:A:ASP:HB2	16	1.47
(1,1154)	1:110:A:VAL:HG22	1:114:A:ASP:HB2	16	1.47
(1,1154)	1:110:A:VAL:HG23	1:114:A:ASP:HB2	16	1.47
(1,858)	1:208:B:VAL:HG21	1:209:B:PHE:H	10	1.47
(1,858)	1:208:B:VAL:HG22	1:209:B:PHE:H	10	1.47
(1,858)	1:208:B:VAL:HG23	1:209:B:PHE:H	10	1.47
(1,858)	1:208:B:VAL:HG21	1:209:B:PHE:H	18	1.47
(1,858)	1:208:B:VAL:HG22	1:209:B:PHE:H	18	1.47
(1,858)	1:208:B:VAL:HG23	1:209:B:PHE:H	18	1.47
(1,542)	1:108:A:VAL:HG21	1:109:A:PHE:H	6	1.47
(1,542)	1:108:A:VAL:HG22	1:109:A:PHE:H	6	1.47
(1,542)	1:108:A:VAL:HG23	1:109:A:PHE:H	6	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1895)	1:210:B:VAL:HG11	1:216:B:TYR:HB3	11	1.46
(1,1895)	1:210:B:VAL:HG12	1:216:B:TYR:HB3	11	1.46
(1,1895)	1:210:B:VAL:HG13	1:216:B:TYR:HB3	11	1.46
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE1	14	1.46
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE2	14	1.46
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE1	14	1.46
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE2	14	1.46
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE1	14	1.46
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE2	14	1.46
(1,1653)	1:110:A:VAL:HG11	1:116:A:TYR:HB3	3	1.46
(1,1653)	1:110:A:VAL:HG12	1:116:A:TYR:HB3	3	1.46
(1,1653)	1:110:A:VAL:HG13	1:116:A:TYR:HB3	3	1.46
(1,1647)	1:110:A:VAL:HA	1:117:A:ARG:HG2	6	1.46
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG21	1	1.46
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG22	1	1.46
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG23	1	1.46
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG21	1	1.46
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG22	1	1.46
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG23	1	1.46
(1,1361)	1:210:B:VAL:HG21	1:214:B:ASP:H	8	1.46
(1,1361)	1:210:B:VAL:HG22	1:214:B:ASP:H	8	1.46
(1,1361)	1:210:B:VAL:HG23	1:214:B:ASP:H	8	1.46
(1,1360)	1:210:B:VAL:HG21	1:214:B:ASP:HB2	4	1.46
(1,1360)	1:210:B:VAL:HG22	1:214:B:ASP:HB2	4	1.46
(1,1360)	1:210:B:VAL:HG23	1:214:B:ASP:HB2	4	1.46
(1,1154)	1:110:A:VAL:HG21	1:114:A:ASP:HB2	2	1.46
(1,1154)	1:110:A:VAL:HG22	1:114:A:ASP:HB2	2	1.46
(1,1154)	1:110:A:VAL:HG23	1:114:A:ASP:HB2	2	1.46
(1,1154)	1:110:A:VAL:HG21	1:114:A:ASP:HB2	18	1.46
(1,1154)	1:110:A:VAL:HG22	1:114:A:ASP:HB2	18	1.46
(1,1154)	1:110:A:VAL:HG23	1:114:A:ASP:HB2	18	1.46
(1,542)	1:108:A:VAL:HG21	1:109:A:PHE:H	4	1.46
(1,542)	1:108:A:VAL:HG22	1:109:A:PHE:H	4	1.46
(1,542)	1:108:A:VAL:HG23	1:109:A:PHE:H	4	1.46
(1,1647)	1:110:A:VAL:HA	1:117:A:ARG:HG2	18	1.45
(1,1171)	1:113:A:ALA:HA	1:115:A:LYS:HG3	2	1.45
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG2	15	1.45
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG3	15	1.45
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG2	15	1.45
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG3	15	1.45
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG2	15	1.45
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG3	15	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2229)	1:151:A:ASN:HB2	1:205:B:HIS:H	4	1.44
(1,2072)	1:105:A:HIS:H	1:251:B:ASN:HB2	4	1.44
(1,1895)	1:210:B:VAL:HG11	1:216:B:TYR:HB3	19	1.44
(1,1895)	1:210:B:VAL:HG12	1:216:B:TYR:HB3	19	1.44
(1,1895)	1:210:B:VAL:HG13	1:216:B:TYR:HB3	19	1.44
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE1	12	1.44
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE2	12	1.44
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE1	12	1.44
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE2	12	1.44
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE1	12	1.44
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE2	12	1.44
(1,1361)	1:210:B:VAL:HG21	1:214:B:ASP:H	15	1.44
(1,1361)	1:210:B:VAL:HG22	1:214:B:ASP:H	15	1.44
(1,1361)	1:210:B:VAL:HG23	1:214:B:ASP:H	15	1.44
(1,1360)	1:210:B:VAL:HG21	1:214:B:ASP:HB2	6	1.44
(1,1360)	1:210:B:VAL:HG22	1:214:B:ASP:HB2	6	1.44
(1,1360)	1:210:B:VAL:HG23	1:214:B:ASP:HB2	6	1.44
(1,1171)	1:113:A:ALA:HA	1:115:A:LYS:HG3	4	1.44
(1,858)	1:208:B:VAL:HG21	1:209:B:PHE:H	11	1.44
(1,858)	1:208:B:VAL:HG22	1:209:B:PHE:H	11	1.44
(1,858)	1:208:B:VAL:HG23	1:209:B:PHE:H	11	1.44
(1,2229)	1:151:A:ASN:HB2	1:205:B:HIS:H	9	1.43
(1,2229)	1:151:A:ASN:HB2	1:205:B:HIS:H	14	1.43
(1,2214)	1:148:A:VAL:HG21	1:253:B:PRO:HA	14	1.43
(1,2214)	1:148:A:VAL:HG22	1:253:B:PRO:HA	14	1.43
(1,2214)	1:148:A:VAL:HG23	1:253:B:PRO:HA	14	1.43
(1,2072)	1:105:A:HIS:H	1:251:B:ASN:HB2	17	1.43
(1,2037)	1:102:A:ASN:HB2	1:254:B:ASP:HB3	3	1.43
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE1	4	1.43
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE2	4	1.43
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE1	4	1.43
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE2	4	1.43
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE1	4	1.43
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE2	4	1.43
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE1	14	1.43
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE2	14	1.43
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE1	14	1.43
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE2	14	1.43
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE1	14	1.43
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE2	14	1.43
(1,1647)	1:110:A:VAL:HA	1:117:A:ARG:HG2	12	1.43
(1,1377)	1:213:B:ALA:HA	1:215:B:LYS:HG3	9	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,858)	1:208:B:VAL:HG21	1:209:B:PHE:H	4	1.43
(1,858)	1:208:B:VAL:HG22	1:209:B:PHE:H	4	1.43
(1,858)	1:208:B:VAL:HG23	1:209:B:PHE:H	4	1.43
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG2	9	1.43
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG3	9	1.43
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG2	9	1.43
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG3	9	1.43
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG2	9	1.43
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG3	9	1.43
(1,542)	1:108:A:VAL:HG21	1:109:A:PHE:H	2	1.43
(1,542)	1:108:A:VAL:HG22	1:109:A:PHE:H	2	1.43
(1,542)	1:108:A:VAL:HG23	1:109:A:PHE:H	2	1.43
(1,542)	1:108:A:VAL:HG21	1:109:A:PHE:H	7	1.43
(1,542)	1:108:A:VAL:HG22	1:109:A:PHE:H	7	1.43
(1,542)	1:108:A:VAL:HG23	1:109:A:PHE:H	7	1.43
(1,542)	1:108:A:VAL:HG21	1:109:A:PHE:H	11	1.43
(1,542)	1:108:A:VAL:HG22	1:109:A:PHE:H	11	1.43
(1,542)	1:108:A:VAL:HG23	1:109:A:PHE:H	11	1.43
(1,542)	1:108:A:VAL:HG21	1:109:A:PHE:H	18	1.43
(1,542)	1:108:A:VAL:HG22	1:109:A:PHE:H	18	1.43
(1,542)	1:108:A:VAL:HG23	1:109:A:PHE:H	18	1.43
(1,542)	1:108:A:VAL:HG21	1:109:A:PHE:H	20	1.43
(1,542)	1:108:A:VAL:HG22	1:109:A:PHE:H	20	1.43
(1,542)	1:108:A:VAL:HG23	1:109:A:PHE:H	20	1.43
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG21	7	1.42
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG22	7	1.42
(1,2246)	1:153:A:PRO:HA	1:248:B:VAL:HG23	7	1.42
(1,2229)	1:151:A:ASN:HB2	1:205:B:HIS:H	3	1.42
(1,2214)	1:148:A:VAL:HG21	1:253:B:PRO:HA	17	1.42
(1,2214)	1:148:A:VAL:HG22	1:253:B:PRO:HA	17	1.42
(1,2214)	1:148:A:VAL:HG23	1:253:B:PRO:HA	17	1.42
(1,2072)	1:105:A:HIS:H	1:251:B:ASN:HB2	11	1.42
(1,1895)	1:210:B:VAL:HG11	1:216:B:TYR:HB3	10	1.42
(1,1895)	1:210:B:VAL:HG12	1:216:B:TYR:HB3	10	1.42
(1,1895)	1:210:B:VAL:HG13	1:216:B:TYR:HB3	10	1.42
(1,1647)	1:110:A:VAL:HA	1:117:A:ARG:HG2	5	1.42
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG21	2	1.42
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG22	2	1.42
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG23	2	1.42
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG21	2	1.42
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG22	2	1.42
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG23	2	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1245)	1:139:A:GLN:HA	1:142:A:LYS:HG2	10	1.42
(1,858)	1:208:B:VAL:HG21	1:209:B:PHE:H	3	1.42
(1,858)	1:208:B:VAL:HG22	1:209:B:PHE:H	3	1.42
(1,858)	1:208:B:VAL:HG23	1:209:B:PHE:H	3	1.42
(1,858)	1:208:B:VAL:HG21	1:209:B:PHE:H	8	1.42
(1,858)	1:208:B:VAL:HG22	1:209:B:PHE:H	8	1.42
(1,858)	1:208:B:VAL:HG23	1:209:B:PHE:H	8	1.42
(1,858)	1:208:B:VAL:HG21	1:209:B:PHE:H	15	1.42
(1,858)	1:208:B:VAL:HG22	1:209:B:PHE:H	15	1.42
(1,858)	1:208:B:VAL:HG23	1:209:B:PHE:H	15	1.42
(1,858)	1:208:B:VAL:HG21	1:209:B:PHE:H	20	1.42
(1,858)	1:208:B:VAL:HG22	1:209:B:PHE:H	20	1.42
(1,858)	1:208:B:VAL:HG23	1:209:B:PHE:H	20	1.42
(1,2229)	1:151:A:ASN:HB2	1:205:B:HIS:H	8	1.41
(1,2229)	1:151:A:ASN:HB2	1:205:B:HIS:H	13	1.41
(1,1895)	1:210:B:VAL:HG11	1:216:B:TYR:HB3	14	1.41
(1,1895)	1:210:B:VAL:HG12	1:216:B:TYR:HB3	14	1.41
(1,1895)	1:210:B:VAL:HG13	1:216:B:TYR:HB3	14	1.41
(1,1889)	1:210:B:VAL:HA	1:217:B:ARG:HG2	11	1.41
(1,1889)	1:210:B:VAL:HA	1:217:B:ARG:HG2	16	1.41
(1,1356)	1:210:B:VAL:HG21	1:213:B:ALA:HA	8	1.41
(1,1356)	1:210:B:VAL:HG22	1:213:B:ALA:HA	8	1.41
(1,1356)	1:210:B:VAL:HG23	1:213:B:ALA:HA	8	1.41
(1,1245)	1:139:A:GLN:HA	1:142:A:LYS:HG2	6	1.41
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG2	8	1.41
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG3	8	1.41
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG2	8	1.41
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG3	8	1.41
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG2	8	1.41
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG3	8	1.41
(1,858)	1:208:B:VAL:HG21	1:209:B:PHE:H	1	1.41
(1,858)	1:208:B:VAL:HG22	1:209:B:PHE:H	1	1.41
(1,858)	1:208:B:VAL:HG23	1:209:B:PHE:H	1	1.41
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG2	1	1.41
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG3	1	1.41
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG2	1	1.41
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG3	1	1.41
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG2	1	1.41
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG3	1	1.41
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG2	2	1.41
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG3	2	1.41
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG2	2	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG3	2	1.41
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG2	2	1.41
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG3	2	1.41
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG2	5	1.41
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG3	5	1.41
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG2	5	1.41
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG3	5	1.41
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG2	5	1.41
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG3	5	1.41
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG11	5	1.41
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG12	5	1.41
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG13	5	1.41
(1,542)	1:108:A:VAL:HG21	1:109:A:PHE:H	3	1.41
(1,542)	1:108:A:VAL:HG22	1:109:A:PHE:H	3	1.41
(1,542)	1:108:A:VAL:HG23	1:109:A:PHE:H	3	1.41
(1,542)	1:108:A:VAL:HG21	1:109:A:PHE:H	5	1.41
(1,542)	1:108:A:VAL:HG22	1:109:A:PHE:H	5	1.41
(1,542)	1:108:A:VAL:HG23	1:109:A:PHE:H	5	1.41
(1,542)	1:108:A:VAL:HG21	1:109:A:PHE:H	15	1.41
(1,542)	1:108:A:VAL:HG22	1:109:A:PHE:H	15	1.41
(1,542)	1:108:A:VAL:HG23	1:109:A:PHE:H	15	1.41
(1,2229)	1:151:A:ASN:HB2	1:205:B:HIS:H	11	1.4
(1,1895)	1:210:B:VAL:HG11	1:216:B:TYR:HB3	16	1.4
(1,1895)	1:210:B:VAL:HG12	1:216:B:TYR:HB3	16	1.4
(1,1895)	1:210:B:VAL:HG13	1:216:B:TYR:HB3	16	1.4
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG21	4	1.4
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG22	4	1.4
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG23	4	1.4
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG21	4	1.4
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG22	4	1.4
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG23	4	1.4
(1,1647)	1:110:A:VAL:HA	1:117:A:ARG:HG2	11	1.4
(1,1451)	1:239:B:GLN:HA	1:242:B:LYS:HG2	11	1.4
(1,1451)	1:239:B:GLN:HA	1:242:B:LYS:HG2	14	1.4
(1,1356)	1:210:B:VAL:HG21	1:213:B:ALA:HA	15	1.4
(1,1356)	1:210:B:VAL:HG22	1:213:B:ALA:HA	15	1.4
(1,1356)	1:210:B:VAL:HG23	1:213:B:ALA:HA	15	1.4
(1,1220)	1:131:A:SER:HA	1:133:A:GLU:HB3	18	1.4
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG2	14	1.4
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG3	14	1.4
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG2	14	1.4
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG3	14	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG2	14	1.4
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG3	14	1.4
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG11	5	1.4
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG12	5	1.4
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG13	5	1.4
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG11	7	1.4
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG12	7	1.4
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG13	7	1.4
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG11	10	1.4
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG12	10	1.4
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG13	10	1.4
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG11	11	1.4
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG12	11	1.4
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG13	11	1.4
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG11	13	1.4
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG12	13	1.4
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG13	13	1.4
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG11	18	1.4
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG12	18	1.4
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG13	18	1.4
(1,858)	1:208:B:VAL:HG21	1:209:B:PHE:H	5	1.4
(1,858)	1:208:B:VAL:HG22	1:209:B:PHE:H	5	1.4
(1,858)	1:208:B:VAL:HG23	1:209:B:PHE:H	5	1.4
(1,858)	1:208:B:VAL:HG21	1:209:B:PHE:H	13	1.4
(1,858)	1:208:B:VAL:HG22	1:209:B:PHE:H	13	1.4
(1,858)	1:208:B:VAL:HG23	1:209:B:PHE:H	13	1.4
(1,858)	1:208:B:VAL:HG21	1:209:B:PHE:H	17	1.4
(1,858)	1:208:B:VAL:HG22	1:209:B:PHE:H	17	1.4
(1,858)	1:208:B:VAL:HG23	1:209:B:PHE:H	17	1.4
(1,858)	1:208:B:VAL:HG21	1:209:B:PHE:H	19	1.4
(1,858)	1:208:B:VAL:HG22	1:209:B:PHE:H	19	1.4
(1,858)	1:208:B:VAL:HG23	1:209:B:PHE:H	19	1.4
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG2	19	1.4
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG3	19	1.4
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG2	19	1.4
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG3	19	1.4
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG2	19	1.4
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG3	19	1.4
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG11	4	1.4
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG12	4	1.4
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG13	4	1.4
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG11	7	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG12	7	1.4
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG13	7	1.4
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG11	11	1.4
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG12	11	1.4
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG13	11	1.4
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG11	13	1.4
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG12	13	1.4
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG13	13	1.4
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG11	16	1.4
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG12	16	1.4
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG13	16	1.4
(1,542)	1:108:A:VAL:HG21	1:109:A:PHE:H	10	1.4
(1,542)	1:108:A:VAL:HG22	1:109:A:PHE:H	10	1.4
(1,542)	1:108:A:VAL:HG23	1:109:A:PHE:H	10	1.4
(1,542)	1:108:A:VAL:HG21	1:109:A:PHE:H	17	1.4
(1,542)	1:108:A:VAL:HG22	1:109:A:PHE:H	17	1.4
(1,542)	1:108:A:VAL:HG23	1:109:A:PHE:H	17	1.4
(1,2229)	1:151:A:ASN:HB2	1:205:B:HIS:H	7	1.39
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE1	11	1.39
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE2	11	1.39
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE1	11	1.39
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE2	11	1.39
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE1	11	1.39
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE2	11	1.39
(1,1653)	1:110:A:VAL:HG11	1:116:A:TYR:HB3	2	1.39
(1,1653)	1:110:A:VAL:HG12	1:116:A:TYR:HB3	2	1.39
(1,1653)	1:110:A:VAL:HG13	1:116:A:TYR:HB3	2	1.39
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG2	10	1.39
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG3	10	1.39
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG2	10	1.39
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG3	10	1.39
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG2	10	1.39
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG3	10	1.39
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG2	13	1.39
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG3	13	1.39
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG2	13	1.39
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG3	13	1.39
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG2	13	1.39
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG3	13	1.39
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG11	9	1.39
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG12	9	1.39
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG13	9	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG11	14	1.39
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG12	14	1.39
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG13	14	1.39
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG11	17	1.39
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG12	17	1.39
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG13	17	1.39
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG11	20	1.39
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG12	20	1.39
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG13	20	1.39
(1,858)	1:208:B:VAL:HG21	1:209:B:PHE:H	6	1.39
(1,858)	1:208:B:VAL:HG22	1:209:B:PHE:H	6	1.39
(1,858)	1:208:B:VAL:HG23	1:209:B:PHE:H	6	1.39
(1,858)	1:208:B:VAL:HG21	1:209:B:PHE:H	7	1.39
(1,858)	1:208:B:VAL:HG22	1:209:B:PHE:H	7	1.39
(1,858)	1:208:B:VAL:HG23	1:209:B:PHE:H	7	1.39
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG2	3	1.39
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG3	3	1.39
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG2	3	1.39
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG3	3	1.39
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG2	3	1.39
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG3	3	1.39
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG11	1	1.39
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG12	1	1.39
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG13	1	1.39
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG11	2	1.39
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG12	2	1.39
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG13	2	1.39
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG11	8	1.39
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG12	8	1.39
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG13	8	1.39
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG11	9	1.39
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG12	9	1.39
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG13	9	1.39
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG11	12	1.39
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG12	12	1.39
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG13	12	1.39
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG11	14	1.39
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG12	14	1.39
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG13	14	1.39
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG11	17	1.39
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG12	17	1.39
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG13	17	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG11	18	1.39
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG12	18	1.39
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG13	18	1.39
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG11	20	1.39
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG12	20	1.39
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG13	20	1.39
(1,542)	1:108:A:VAL:HG21	1:109:A:PHE:H	9	1.39
(1,542)	1:108:A:VAL:HG22	1:109:A:PHE:H	9	1.39
(1,542)	1:108:A:VAL:HG23	1:109:A:PHE:H	9	1.39
(1,542)	1:108:A:VAL:HG21	1:109:A:PHE:H	12	1.39
(1,542)	1:108:A:VAL:HG22	1:109:A:PHE:H	12	1.39
(1,542)	1:108:A:VAL:HG23	1:109:A:PHE:H	12	1.39
(1,542)	1:108:A:VAL:HG21	1:109:A:PHE:H	16	1.39
(1,542)	1:108:A:VAL:HG22	1:109:A:PHE:H	16	1.39
(1,542)	1:108:A:VAL:HG23	1:109:A:PHE:H	16	1.39
(1,2214)	1:148:A:VAL:HG21	1:253:B:PRO:HA	16	1.38
(1,2214)	1:148:A:VAL:HG22	1:253:B:PRO:HA	16	1.38
(1,2214)	1:148:A:VAL:HG23	1:253:B:PRO:HA	16	1.38
(1,2072)	1:105:A:HIS:H	1:251:B:ASN:HB2	2	1.38
(1,2072)	1:105:A:HIS:H	1:251:B:ASN:HB2	16	1.38
(1,1889)	1:210:B:VAL:HA	1:217:B:ARG:HG2	15	1.38
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG21	9	1.38
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG22	9	1.38
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG23	9	1.38
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG21	9	1.38
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG22	9	1.38
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG23	9	1.38
(1,1653)	1:110:A:VAL:HG11	1:116:A:TYR:HB3	8	1.38
(1,1653)	1:110:A:VAL:HG12	1:116:A:TYR:HB3	8	1.38
(1,1653)	1:110:A:VAL:HG13	1:116:A:TYR:HB3	8	1.38
(1,1647)	1:110:A:VAL:HA	1:117:A:ARG:HG2	7	1.38
(1,1647)	1:110:A:VAL:HA	1:117:A:ARG:HG2	20	1.38
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG2	5	1.38
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG3	5	1.38
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG2	5	1.38
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG3	5	1.38
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG2	5	1.38
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG3	5	1.38
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG2	9	1.38
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG3	9	1.38
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG2	9	1.38
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG3	9	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG2	9	1.38
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG3	9	1.38
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG11	1	1.38
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG12	1	1.38
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG13	1	1.38
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG11	3	1.38
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG12	3	1.38
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG13	3	1.38
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG11	4	1.38
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG12	4	1.38
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG13	4	1.38
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG11	6	1.38
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG12	6	1.38
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG13	6	1.38
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG11	16	1.38
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG12	16	1.38
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG13	16	1.38
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG11	19	1.38
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG12	19	1.38
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG13	19	1.38
(1,858)	1:208:B:VAL:HG21	1:209:B:PHE:H	12	1.38
(1,858)	1:208:B:VAL:HG22	1:209:B:PHE:H	12	1.38
(1,858)	1:208:B:VAL:HG23	1:209:B:PHE:H	12	1.38
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG2	13	1.38
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG3	13	1.38
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG2	13	1.38
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG3	13	1.38
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG2	13	1.38
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG3	13	1.38
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG11	3	1.38
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG12	3	1.38
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG13	3	1.38
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG11	10	1.38
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG12	10	1.38
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG13	10	1.38
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG11	15	1.38
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG12	15	1.38
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG13	15	1.38
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG11	19	1.38
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG12	19	1.38
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG13	19	1.38
(1,542)	1:108:A:VAL:HG21	1:109:A:PHE:H	8	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,542)	1:108:A:VAL:HG22	1:109:A:PHE:H	8	1.38
(1,542)	1:108:A:VAL:HG23	1:109:A:PHE:H	8	1.38
(1,542)	1:108:A:VAL:HG21	1:109:A:PHE:H	19	1.38
(1,542)	1:108:A:VAL:HG22	1:109:A:PHE:H	19	1.38
(1,542)	1:108:A:VAL:HG23	1:109:A:PHE:H	19	1.38
(1,2322)	1:158:A:ILE:HG12	1:207:B:GLU:HA	8	1.37
(1,2322)	1:158:A:ILE:HG12	1:207:B:GLU:HA	9	1.37
(1,2229)	1:151:A:ASN:HB2	1:205:B:HIS:H	12	1.37
(1,2072)	1:105:A:HIS:H	1:251:B:ASN:HB2	1	1.37
(1,2072)	1:105:A:HIS:H	1:251:B:ASN:HB2	12	1.37
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE1	19	1.37
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE2	19	1.37
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE1	19	1.37
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE2	19	1.37
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE1	19	1.37
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE2	19	1.37
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE1	8	1.37
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE2	8	1.37
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE1	8	1.37
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE2	8	1.37
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE1	8	1.37
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE2	8	1.37
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE1	13	1.37
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE2	13	1.37
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE1	13	1.37
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE2	13	1.37
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE1	13	1.37
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE2	13	1.37
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG2	3	1.37
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG3	3	1.37
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG2	3	1.37
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG3	3	1.37
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG2	3	1.37
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG3	3	1.37
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG2	4	1.37
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG3	4	1.37
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG2	4	1.37
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG3	4	1.37
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG2	4	1.37
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG3	4	1.37
(1,858)	1:208:B:VAL:HG21	1:209:B:PHE:H	16	1.37
(1,858)	1:208:B:VAL:HG22	1:209:B:PHE:H	16	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,858)	1:208:B:VAL:HG23	1:209:B:PHE:H	16	1.37
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG2	7	1.37
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG3	7	1.37
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG2	7	1.37
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG3	7	1.37
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG2	7	1.37
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG3	7	1.37
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG2	8	1.37
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG3	8	1.37
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG2	8	1.37
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG3	8	1.37
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG2	8	1.37
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG3	8	1.37
(1,585)	1:114:A:ASP:HB3	1:115:A:LYS:HD3	13	1.37
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG11	6	1.37
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG12	6	1.37
(1,545)	1:109:A:PHE:HA	1:110:A:VAL:HG13	6	1.37
(1,542)	1:108:A:VAL:HG21	1:109:A:PHE:H	1	1.37
(1,542)	1:108:A:VAL:HG22	1:109:A:PHE:H	1	1.37
(1,542)	1:108:A:VAL:HG23	1:109:A:PHE:H	1	1.37
(1,542)	1:108:A:VAL:HG21	1:109:A:PHE:H	13	1.37
(1,542)	1:108:A:VAL:HG22	1:109:A:PHE:H	13	1.37
(1,542)	1:108:A:VAL:HG23	1:109:A:PHE:H	13	1.37
(1,542)	1:108:A:VAL:HG21	1:109:A:PHE:H	14	1.37
(1,542)	1:108:A:VAL:HG22	1:109:A:PHE:H	14	1.37
(1,542)	1:108:A:VAL:HG23	1:109:A:PHE:H	14	1.37
(1,2322)	1:158:A:ILE:HG12	1:207:B:GLU:HA	14	1.36
(1,2229)	1:151:A:ASN:HB2	1:205:B:HIS:H	18	1.36
(1,2099)	1:107:A:GLU:HA	1:258:B:ILE:HG12	19	1.36
(1,1653)	1:110:A:VAL:HG11	1:116:A:TYR:HB3	13	1.36
(1,1653)	1:110:A:VAL:HG12	1:116:A:TYR:HB3	13	1.36
(1,1653)	1:110:A:VAL:HG13	1:116:A:TYR:HB3	13	1.36
(1,1595)	1:107:A:GLU:HG2	1:121:A:VAL:HB	6	1.36
(1,1220)	1:131:A:SER:HA	1:133:A:GLU:HB3	12	1.36
(1,1109)	1:253:B:PRO:HG3	1:254:B:ASP:H	1	1.36
(1,1109)	1:253:B:PRO:HG3	1:254:B:ASP:H	7	1.36
(1,1109)	1:253:B:PRO:HG3	1:254:B:ASP:H	9	1.36
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG2	6	1.36
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG3	6	1.36
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG2	6	1.36
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG3	6	1.36
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG2	6	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG3	6	1.36
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG2	17	1.36
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG3	17	1.36
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG2	17	1.36
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG3	17	1.36
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG2	17	1.36
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG3	17	1.36
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG2	18	1.36
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG3	18	1.36
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG2	18	1.36
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG3	18	1.36
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG2	18	1.36
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG3	18	1.36
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG11	12	1.36
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG12	12	1.36
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG13	12	1.36
(1,858)	1:208:B:VAL:HG21	1:209:B:PHE:H	2	1.36
(1,858)	1:208:B:VAL:HG22	1:209:B:PHE:H	2	1.36
(1,858)	1:208:B:VAL:HG23	1:209:B:PHE:H	2	1.36
(1,793)	1:153:A:PRO:HG3	1:154:A:ASP:H	13	1.36
(1,793)	1:153:A:PRO:HG3	1:154:A:ASP:H	14	1.36
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG2	16	1.36
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG3	16	1.36
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG2	16	1.36
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG3	16	1.36
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG2	16	1.36
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG3	16	1.36
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG2	18	1.36
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG3	18	1.36
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG2	18	1.36
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG3	18	1.36
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG2	18	1.36
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG3	18	1.36
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG2	20	1.36
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG3	20	1.36
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG2	20	1.36
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG3	20	1.36
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG2	20	1.36
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG3	20	1.36
(1,2322)	1:158:A:ILE:HG12	1:207:B:GLU:HA	19	1.35
(1,2037)	1:102:A:ASN:HB2	1:254:B:ASP:HB3	20	1.35
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG21	14	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG22	14	1.35
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG23	14	1.35
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG21	14	1.35
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG22	14	1.35
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG23	14	1.35
(1,1407)	1:224:B:ASN:HD22	1:226:B:ASN:HD21	18	1.35
(1,1109)	1:253:B:PRO:HG3	1:254:B:ASP:H	2	1.35
(1,1109)	1:253:B:PRO:HG3	1:254:B:ASP:H	5	1.35
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG2	1	1.35
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG3	1	1.35
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG2	1	1.35
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG3	1	1.35
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG2	1	1.35
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG3	1	1.35
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG2	19	1.35
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG3	19	1.35
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG2	19	1.35
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG3	19	1.35
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG2	19	1.35
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG3	19	1.35
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG11	2	1.35
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG12	2	1.35
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG13	2	1.35
(1,858)	1:208:B:VAL:HG21	1:209:B:PHE:H	14	1.35
(1,858)	1:208:B:VAL:HG22	1:209:B:PHE:H	14	1.35
(1,858)	1:208:B:VAL:HG23	1:209:B:PHE:H	14	1.35
(1,793)	1:153:A:PRO:HG3	1:154:A:ASP:H	3	1.35
(1,793)	1:153:A:PRO:HG3	1:154:A:ASP:H	4	1.35
(1,793)	1:153:A:PRO:HG3	1:154:A:ASP:H	6	1.35
(1,793)	1:153:A:PRO:HG3	1:154:A:ASP:H	15	1.35
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG2	10	1.35
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG3	10	1.35
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG2	10	1.35
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG3	10	1.35
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG2	10	1.35
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG3	10	1.35
(1,2072)	1:105:A:HIS:H	1:251:B:ASN:HB2	8	1.34
(1,1895)	1:210:B:VAL:HG11	1:216:B:TYR:HB3	12	1.34
(1,1895)	1:210:B:VAL:HG12	1:216:B:TYR:HB3	12	1.34
(1,1895)	1:210:B:VAL:HG13	1:216:B:TYR:HB3	12	1.34
(1,1889)	1:210:B:VAL:HA	1:217:B:ARG:HG2	4	1.34
(1,1854)	1:208:B:VAL:HG11	1:218:B:TRP:HB2	9	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1854)	1:208:B:VAL:HG12	1:218:B:TRP:HB2	9	1.34
(1,1854)	1:208:B:VAL:HG13	1:218:B:TRP:HB2	9	1.34
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG21	15	1.34
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG22	15	1.34
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG23	15	1.34
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG21	15	1.34
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG22	15	1.34
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG23	15	1.34
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE1	2	1.34
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE2	2	1.34
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE1	2	1.34
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE2	2	1.34
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE1	2	1.34
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE2	2	1.34
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG21	5	1.34
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG22	5	1.34
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG23	5	1.34
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG21	5	1.34
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG22	5	1.34
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG23	5	1.34
(1,1426)	1:231:B:SER:HA	1:233:B:GLU:HB3	10	1.34
(1,1109)	1:253:B:PRO:HG3	1:254:B:ASP:H	3	1.34
(1,1109)	1:253:B:PRO:HG3	1:254:B:ASP:H	8	1.34
(1,1109)	1:253:B:PRO:HG3	1:254:B:ASP:H	18	1.34
(1,1109)	1:253:B:PRO:HG3	1:254:B:ASP:H	20	1.34
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG2	2	1.34
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG3	2	1.34
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG2	2	1.34
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG3	2	1.34
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG2	2	1.34
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG3	2	1.34
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG2	7	1.34
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG3	7	1.34
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG2	7	1.34
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG3	7	1.34
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG2	7	1.34
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG3	7	1.34
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG2	12	1.34
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG3	12	1.34
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG2	12	1.34
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG3	12	1.34
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG2	12	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG3	12	1.34
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG2	16	1.34
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG3	16	1.34
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG2	16	1.34
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG3	16	1.34
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG2	16	1.34
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG3	16	1.34
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG11	15	1.34
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG12	15	1.34
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG13	15	1.34
(1,793)	1:153:A:PRO:HG3	1:154:A:ASP:H	1	1.34
(1,793)	1:153:A:PRO:HG3	1:154:A:ASP:H	8	1.34
(1,793)	1:153:A:PRO:HG3	1:154:A:ASP:H	9	1.34
(1,793)	1:153:A:PRO:HG3	1:154:A:ASP:H	16	1.34
(1,793)	1:153:A:PRO:HG3	1:154:A:ASP:H	18	1.34
(1,585)	1:114:A:ASP:HB3	1:115:A:LYS:HD3	5	1.34
(1,2252)	1:154:A:ASP:HB3	1:202:B:ASN:HB2	14	1.33
(1,2229)	1:151:A:ASN:HB2	1:205:B:HIS:H	16	1.33
(1,2072)	1:105:A:HIS:H	1:251:B:ASN:HB2	7	1.33
(1,2072)	1:105:A:HIS:H	1:251:B:ASN:HB2	9	1.33
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE1	16	1.33
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE2	16	1.33
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE1	16	1.33
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE2	16	1.33
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE1	16	1.33
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE2	16	1.33
(1,1894)	1:210:B:VAL:HG11	1:216:B:TYR:HA	15	1.33
(1,1894)	1:210:B:VAL:HG12	1:216:B:TYR:HA	15	1.33
(1,1894)	1:210:B:VAL:HG13	1:216:B:TYR:HA	15	1.33
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG21	5	1.33
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG22	5	1.33
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG23	5	1.33
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG21	5	1.33
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG22	5	1.33
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG23	5	1.33
(1,1647)	1:110:A:VAL:HA	1:117:A:ARG:HG2	2	1.33
(1,1400)	1:223:B:ASP:H	1:226:B:ASN:HD21	1	1.33
(1,1109)	1:253:B:PRO:HG3	1:254:B:ASP:H	16	1.33
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG2	20	1.33
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG3	20	1.33
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG2	20	1.33
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG3	20	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG2	20	1.33
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG3	20	1.33
(1,793)	1:153:A:PRO:HG3	1:154:A:ASP:H	2	1.33
(1,793)	1:153:A:PRO:HG3	1:154:A:ASP:H	12	1.33
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG2	12	1.33
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG3	12	1.33
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG2	12	1.33
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG3	12	1.33
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG2	12	1.33
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG3	12	1.33
(1,585)	1:114:A:ASP:HB3	1:115:A:LYS:HD3	16	1.33
(1,2322)	1:158:A:ILE:HG12	1:207:B:GLU:HA	16	1.32
(1,2229)	1:151:A:ASN:HB2	1:205:B:HIS:H	17	1.32
(1,1612)	1:108:A:VAL:HG11	1:118:A:TRP:HB2	10	1.32
(1,1612)	1:108:A:VAL:HG12	1:118:A:TRP:HB2	10	1.32
(1,1612)	1:108:A:VAL:HG13	1:118:A:TRP:HB2	10	1.32
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG21	9	1.32
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG22	9	1.32
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG23	9	1.32
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG21	9	1.32
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG22	9	1.32
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG23	9	1.32
(1,1407)	1:224:B:ASN:HD22	1:226:B:ASN:HD21	2	1.32
(1,1407)	1:224:B:ASN:HD22	1:226:B:ASN:HD21	14	1.32
(1,1346)	1:202:B:ASN:HD22	1:205:B:HIS:HB2	10	1.32
(1,1346)	1:202:B:ASN:HD22	1:205:B:HIS:HB2	17	1.32
(1,1140)	1:102:A:ASN:HD22	1:105:A:HIS:HB2	6	1.32
(1,1109)	1:253:B:PRO:HG3	1:254:B:ASP:H	6	1.32
(1,1109)	1:253:B:PRO:HG3	1:254:B:ASP:H	13	1.32
(1,1109)	1:253:B:PRO:HG3	1:254:B:ASP:H	14	1.32
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG11	8	1.32
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG12	8	1.32
(1,861)	1:209:B:PHE:HA	1:210:B:VAL:HG13	8	1.32
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG2	11	1.32
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG3	11	1.32
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG2	11	1.32
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG3	11	1.32
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG2	11	1.32
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG3	11	1.32
(1,585)	1:114:A:ASP:HB3	1:115:A:LYS:HD3	18	1.32
(1,562)	1:110:A:VAL:HG21	1:111:A:ASP:HA	3	1.32
(1,562)	1:110:A:VAL:HG22	1:111:A:ASP:HA	3	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,562)	1:110:A:VAL:HG23	1:111:A:ASP:HA	3	1.32
(1,2322)	1:158:A:ILE:HG12	1:207:B:GLU:HA	17	1.31
(1,2229)	1:151:A:ASN:HB2	1:205:B:HIS:H	15	1.31
(1,2099)	1:107:A:GLU:HA	1:258:B:ILE:HG12	3	1.31
(1,2099)	1:107:A:GLU:HA	1:258:B:ILE:HG12	5	1.31
(1,2099)	1:107:A:GLU:HA	1:258:B:ILE:HG12	11	1.31
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE1	6	1.31
(1,1654)	1:110:A:VAL:HG11	1:116:A:TYR:HE2	6	1.31
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE1	6	1.31
(1,1654)	1:110:A:VAL:HG12	1:116:A:TYR:HE2	6	1.31
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE1	6	1.31
(1,1654)	1:110:A:VAL:HG13	1:116:A:TYR:HE2	6	1.31
(1,1647)	1:110:A:VAL:HA	1:117:A:ARG:HG2	9	1.31
(1,1612)	1:108:A:VAL:HG11	1:118:A:TRP:HB2	14	1.31
(1,1612)	1:108:A:VAL:HG12	1:118:A:TRP:HB2	14	1.31
(1,1612)	1:108:A:VAL:HG13	1:118:A:TRP:HB2	14	1.31
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG21	6	1.31
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG22	6	1.31
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG23	6	1.31
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG21	6	1.31
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG22	6	1.31
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG23	6	1.31
(1,1346)	1:202:B:ASN:HD22	1:205:B:HIS:HB2	5	1.31
(1,1346)	1:202:B:ASN:HD22	1:205:B:HIS:HB2	11	1.31
(1,1346)	1:202:B:ASN:HD22	1:205:B:HIS:HB2	12	1.31
(1,1220)	1:131:A:SER:HA	1:133:A:GLU:HB3	10	1.31
(1,1109)	1:253:B:PRO:HG3	1:254:B:ASP:H	10	1.31
(1,1109)	1:253:B:PRO:HG3	1:254:B:ASP:H	17	1.31
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG2	11	1.31
(1,1067)	1:248:B:VAL:HG21	1:249:B:LYS:HG3	11	1.31
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG2	11	1.31
(1,1067)	1:248:B:VAL:HG22	1:249:B:LYS:HG3	11	1.31
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG2	11	1.31
(1,1067)	1:248:B:VAL:HG23	1:249:B:LYS:HG3	11	1.31
(1,858)	1:208:B:VAL:HG21	1:209:B:PHE:H	9	1.31
(1,858)	1:208:B:VAL:HG22	1:209:B:PHE:H	9	1.31
(1,858)	1:208:B:VAL:HG23	1:209:B:PHE:H	9	1.31
(1,793)	1:153:A:PRO:HG3	1:154:A:ASP:H	20	1.31
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG2	17	1.31
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG3	17	1.31
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG2	17	1.31
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG3	17	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG2	17	1.31
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG3	17	1.31
(1,583)	1:114:A:ASP:HA	1:115:A:LYS:HG3	2	1.31
(1,562)	1:110:A:VAL:HG21	1:111:A:ASP:HA	10	1.31
(1,562)	1:110:A:VAL:HG22	1:111:A:ASP:HA	10	1.31
(1,562)	1:110:A:VAL:HG23	1:111:A:ASP:HA	10	1.31
(1,562)	1:110:A:VAL:HG21	1:111:A:ASP:HA	18	1.31
(1,562)	1:110:A:VAL:HG22	1:111:A:ASP:HA	18	1.31
(1,562)	1:110:A:VAL:HG23	1:111:A:ASP:HA	18	1.31
(1,2322)	1:158:A:ILE:HG12	1:207:B:GLU:HA	2	1.3
(1,2322)	1:158:A:ILE:HG12	1:207:B:GLU:HA	3	1.3
(1,2322)	1:158:A:ILE:HG12	1:207:B:GLU:HA	5	1.3
(1,2322)	1:158:A:ILE:HG12	1:207:B:GLU:HA	11	1.3
(1,2229)	1:151:A:ASN:HB2	1:205:B:HIS:H	2	1.3
(1,2099)	1:107:A:GLU:HA	1:258:B:ILE:HG12	9	1.3
(1,2099)	1:107:A:GLU:HA	1:258:B:ILE:HG12	14	1.3
(1,1400)	1:223:B:ASP:H	1:226:B:ASN:HD21	3	1.3
(1,901)	1:214:B:ASP:HB3	1:215:B:LYS:HD3	10	1.3
(1,878)	1:210:B:VAL:HG21	1:211:B:ASP:HA	1	1.3
(1,878)	1:210:B:VAL:HG22	1:211:B:ASP:HA	1	1.3
(1,878)	1:210:B:VAL:HG23	1:211:B:ASP:HA	1	1.3
(1,878)	1:210:B:VAL:HG21	1:211:B:ASP:HA	2	1.3
(1,878)	1:210:B:VAL:HG22	1:211:B:ASP:HA	2	1.3
(1,878)	1:210:B:VAL:HG23	1:211:B:ASP:HA	2	1.3
(1,878)	1:210:B:VAL:HG21	1:211:B:ASP:HA	13	1.3
(1,878)	1:210:B:VAL:HG22	1:211:B:ASP:HA	13	1.3
(1,878)	1:210:B:VAL:HG23	1:211:B:ASP:HA	13	1.3
(1,878)	1:210:B:VAL:HG21	1:211:B:ASP:HA	16	1.3
(1,878)	1:210:B:VAL:HG22	1:211:B:ASP:HA	16	1.3
(1,878)	1:210:B:VAL:HG23	1:211:B:ASP:HA	16	1.3
(1,878)	1:210:B:VAL:HG21	1:211:B:ASP:HA	18	1.3
(1,878)	1:210:B:VAL:HG22	1:211:B:ASP:HA	18	1.3
(1,878)	1:210:B:VAL:HG23	1:211:B:ASP:HA	18	1.3
(1,562)	1:110:A:VAL:HG21	1:111:A:ASP:HA	1	1.3
(1,562)	1:110:A:VAL:HG22	1:111:A:ASP:HA	1	1.3
(1,562)	1:110:A:VAL:HG23	1:111:A:ASP:HA	1	1.3
(1,562)	1:110:A:VAL:HG21	1:111:A:ASP:HA	15	1.3
(1,562)	1:110:A:VAL:HG22	1:111:A:ASP:HA	15	1.3
(1,562)	1:110:A:VAL:HG23	1:111:A:ASP:HA	15	1.3
(1,562)	1:110:A:VAL:HG21	1:111:A:ASP:HA	16	1.3
(1,562)	1:110:A:VAL:HG22	1:111:A:ASP:HA	16	1.3
(1,562)	1:110:A:VAL:HG23	1:111:A:ASP:HA	16	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2322)	1:158:A:ILE:HG12	1:207:B:GLU:HA	4	1.29
(1,2322)	1:158:A:ILE:HG12	1:207:B:GLU:HA	18	1.29
(1,2099)	1:107:A:GLU:HA	1:258:B:ILE:HG12	15	1.29
(1,2072)	1:105:A:HIS:H	1:251:B:ASN:HB2	3	1.29
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE1	10	1.29
(1,1896)	1:210:B:VAL:HG11	1:216:B:TYR:HE2	10	1.29
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE1	10	1.29
(1,1896)	1:210:B:VAL:HG12	1:216:B:TYR:HE2	10	1.29
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE1	10	1.29
(1,1896)	1:210:B:VAL:HG13	1:216:B:TYR:HE2	10	1.29
(1,1612)	1:108:A:VAL:HG11	1:118:A:TRP:HB2	1	1.29
(1,1612)	1:108:A:VAL:HG12	1:118:A:TRP:HB2	1	1.29
(1,1612)	1:108:A:VAL:HG13	1:118:A:TRP:HB2	1	1.29
(1,1595)	1:107:A:GLU:HG2	1:121:A:VAL:HB	10	1.29
(1,1201)	1:124:A:ASN:HD22	1:126:A:ASN:HD21	10	1.29
(1,1194)	1:123:A:ASP:H	1:126:A:ASN:HD21	17	1.29
(1,1140)	1:102:A:ASN:HD22	1:105:A:HIS:HB2	1	1.29
(1,1140)	1:102:A:ASN:HD22	1:105:A:HIS:HB2	2	1.29
(1,1109)	1:253:B:PRO:HG3	1:254:B:ASP:H	11	1.29
(1,1109)	1:253:B:PRO:HG3	1:254:B:ASP:H	12	1.29
(1,878)	1:210:B:VAL:HG21	1:211:B:ASP:HA	3	1.29
(1,878)	1:210:B:VAL:HG22	1:211:B:ASP:HA	3	1.29
(1,878)	1:210:B:VAL:HG23	1:211:B:ASP:HA	3	1.29
(1,878)	1:210:B:VAL:HG21	1:211:B:ASP:HA	7	1.29
(1,878)	1:210:B:VAL:HG22	1:211:B:ASP:HA	7	1.29
(1,878)	1:210:B:VAL:HG23	1:211:B:ASP:HA	7	1.29
(1,878)	1:210:B:VAL:HG21	1:211:B:ASP:HA	14	1.29
(1,878)	1:210:B:VAL:HG22	1:211:B:ASP:HA	14	1.29
(1,878)	1:210:B:VAL:HG23	1:211:B:ASP:HA	14	1.29
(1,878)	1:210:B:VAL:HG21	1:211:B:ASP:HA	17	1.29
(1,878)	1:210:B:VAL:HG22	1:211:B:ASP:HA	17	1.29
(1,878)	1:210:B:VAL:HG23	1:211:B:ASP:HA	17	1.29
(1,793)	1:153:A:PRO:HG3	1:154:A:ASP:H	17	1.29
(1,793)	1:153:A:PRO:HG3	1:154:A:ASP:H	19	1.29
(1,585)	1:114:A:ASP:HB3	1:115:A:LYS:HD3	19	1.29
(1,562)	1:110:A:VAL:HG21	1:111:A:ASP:HA	7	1.29
(1,562)	1:110:A:VAL:HG22	1:111:A:ASP:HA	7	1.29
(1,562)	1:110:A:VAL:HG23	1:111:A:ASP:HA	7	1.29
(1,562)	1:110:A:VAL:HG21	1:111:A:ASP:HA	14	1.29
(1,562)	1:110:A:VAL:HG22	1:111:A:ASP:HA	14	1.29
(1,562)	1:110:A:VAL:HG23	1:111:A:ASP:HA	14	1.29
(1,562)	1:110:A:VAL:HG21	1:111:A:ASP:HA	20	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,562)	1:110:A:VAL:HG22	1:111:A:ASP:HA	20	1.29
(1,562)	1:110:A:VAL:HG23	1:111:A:ASP:HA	20	1.29
(1,2322)	1:158:A:ILE:HG12	1:207:B:GLU:HA	7	1.28
(1,2072)	1:105:A:HIS:H	1:251:B:ASN:HB2	20	1.28
(1,1894)	1:210:B:VAL:HG11	1:216:B:TYR:HA	8	1.28
(1,1894)	1:210:B:VAL:HG12	1:216:B:TYR:HA	8	1.28
(1,1894)	1:210:B:VAL:HG13	1:216:B:TYR:HA	8	1.28
(1,1854)	1:208:B:VAL:HG11	1:218:B:TRP:HB2	13	1.28
(1,1854)	1:208:B:VAL:HG12	1:218:B:TRP:HB2	13	1.28
(1,1854)	1:208:B:VAL:HG13	1:218:B:TRP:HB2	13	1.28
(1,1854)	1:208:B:VAL:HG11	1:218:B:TRP:HB2	14	1.28
(1,1854)	1:208:B:VAL:HG12	1:218:B:TRP:HB2	14	1.28
(1,1854)	1:208:B:VAL:HG13	1:218:B:TRP:HB2	14	1.28
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG21	6	1.28
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG22	6	1.28
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG23	6	1.28
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG21	6	1.28
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG22	6	1.28
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG23	6	1.28
(1,1612)	1:108:A:VAL:HG11	1:118:A:TRP:HB2	16	1.28
(1,1612)	1:108:A:VAL:HG12	1:118:A:TRP:HB2	16	1.28
(1,1612)	1:108:A:VAL:HG13	1:118:A:TRP:HB2	16	1.28
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG21	10	1.28
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG22	10	1.28
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG23	10	1.28
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG21	10	1.28
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG22	10	1.28
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG23	10	1.28
(1,1451)	1:239:B:GLN:HA	1:242:B:LYS:HG2	9	1.28
(1,1451)	1:239:B:GLN:HA	1:242:B:LYS:HG2	13	1.28
(1,1407)	1:224:B:ASN:HD22	1:226:B:ASN:HD21	1	1.28
(1,1407)	1:224:B:ASN:HD22	1:226:B:ASN:HD21	3	1.28
(1,1407)	1:224:B:ASN:HD22	1:226:B:ASN:HD21	15	1.28
(1,1201)	1:124:A:ASN:HD22	1:126:A:ASN:HD21	8	1.28
(1,1201)	1:124:A:ASN:HD22	1:126:A:ASN:HD21	14	1.28
(1,1161)	1:111:A:ASP:HB2	1:114:A:ASP:H	6	1.28
(1,1109)	1:253:B:PRO:HG3	1:254:B:ASP:H	4	1.28
(1,1109)	1:253:B:PRO:HG3	1:254:B:ASP:H	15	1.28
(1,899)	1:214:B:ASP:HA	1:215:B:LYS:HG3	4	1.28
(1,878)	1:210:B:VAL:HG21	1:211:B:ASP:HA	11	1.28
(1,878)	1:210:B:VAL:HG22	1:211:B:ASP:HA	11	1.28
(1,878)	1:210:B:VAL:HG23	1:211:B:ASP:HA	11	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,878)	1:210:B:VAL:HG21	1:211:B:ASP:HA	20	1.28
(1,878)	1:210:B:VAL:HG22	1:211:B:ASP:HA	20	1.28
(1,878)	1:210:B:VAL:HG23	1:211:B:ASP:HA	20	1.28
(1,793)	1:153:A:PRO:HG3	1:154:A:ASP:H	5	1.28
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG2	15	1.28
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG3	15	1.28
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG2	15	1.28
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG3	15	1.28
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG2	15	1.28
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG3	15	1.28
(1,585)	1:114:A:ASP:HB3	1:115:A:LYS:HD3	14	1.28
(1,583)	1:114:A:ASP:HA	1:115:A:LYS:HG3	6	1.28
(1,562)	1:110:A:VAL:HG21	1:111:A:ASP:HA	4	1.28
(1,562)	1:110:A:VAL:HG22	1:111:A:ASP:HA	4	1.28
(1,562)	1:110:A:VAL:HG23	1:111:A:ASP:HA	4	1.28
(1,562)	1:110:A:VAL:HG21	1:111:A:ASP:HA	5	1.28
(1,562)	1:110:A:VAL:HG22	1:111:A:ASP:HA	5	1.28
(1,562)	1:110:A:VAL:HG23	1:111:A:ASP:HA	5	1.28
(1,562)	1:110:A:VAL:HG21	1:111:A:ASP:HA	6	1.28
(1,562)	1:110:A:VAL:HG22	1:111:A:ASP:HA	6	1.28
(1,562)	1:110:A:VAL:HG23	1:111:A:ASP:HA	6	1.28
(1,562)	1:110:A:VAL:HG21	1:111:A:ASP:HA	8	1.28
(1,562)	1:110:A:VAL:HG22	1:111:A:ASP:HA	8	1.28
(1,562)	1:110:A:VAL:HG23	1:111:A:ASP:HA	8	1.28
(1,562)	1:110:A:VAL:HG21	1:111:A:ASP:HA	9	1.28
(1,562)	1:110:A:VAL:HG22	1:111:A:ASP:HA	9	1.28
(1,562)	1:110:A:VAL:HG23	1:111:A:ASP:HA	9	1.28
(1,562)	1:110:A:VAL:HG21	1:111:A:ASP:HA	11	1.28
(1,562)	1:110:A:VAL:HG22	1:111:A:ASP:HA	11	1.28
(1,562)	1:110:A:VAL:HG23	1:111:A:ASP:HA	11	1.28
(1,562)	1:110:A:VAL:HG21	1:111:A:ASP:HA	17	1.28
(1,562)	1:110:A:VAL:HG22	1:111:A:ASP:HA	17	1.28
(1,562)	1:110:A:VAL:HG23	1:111:A:ASP:HA	17	1.28
(1,2099)	1:107:A:GLU:HA	1:258:B:ILE:HG12	8	1.27
(1,2099)	1:107:A:GLU:HA	1:258:B:ILE:HG12	10	1.27
(1,2099)	1:107:A:GLU:HA	1:258:B:ILE:HG12	13	1.27
(1,2099)	1:107:A:GLU:HA	1:258:B:ILE:HG12	17	1.27
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG21	20	1.27
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG22	20	1.27
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG23	20	1.27
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG21	20	1.27
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG22	20	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG23	20	1.27
(1,1612)	1:108:A:VAL:HG11	1:118:A:TRP:HB2	12	1.27
(1,1612)	1:108:A:VAL:HG12	1:118:A:TRP:HB2	12	1.27
(1,1612)	1:108:A:VAL:HG13	1:118:A:TRP:HB2	12	1.27
(1,1451)	1:239:B:GLN:HA	1:242:B:LYS:HG2	12	1.27
(1,1407)	1:224:B:ASN:HD22	1:226:B:ASN:HD21	5	1.27
(1,1407)	1:224:B:ASN:HD22	1:226:B:ASN:HD21	6	1.27
(1,1407)	1:224:B:ASN:HD22	1:226:B:ASN:HD21	11	1.27
(1,1346)	1:202:B:ASN:HD22	1:205:B:HIS:HB2	6	1.27
(1,1201)	1:124:A:ASN:HD22	1:126:A:ASN:HD21	13	1.27
(1,1201)	1:124:A:ASN:HD22	1:126:A:ASN:HD21	16	1.27
(1,1140)	1:102:A:ASN:HD22	1:105:A:HIS:HB2	16	1.27
(1,1140)	1:102:A:ASN:HD22	1:105:A:HIS:HB2	19	1.27
(1,878)	1:210:B:VAL:HG21	1:211:B:ASP:HA	10	1.27
(1,878)	1:210:B:VAL:HG22	1:211:B:ASP:HA	10	1.27
(1,878)	1:210:B:VAL:HG23	1:211:B:ASP:HA	10	1.27
(1,878)	1:210:B:VAL:HG21	1:211:B:ASP:HA	19	1.27
(1,878)	1:210:B:VAL:HG22	1:211:B:ASP:HA	19	1.27
(1,878)	1:210:B:VAL:HG23	1:211:B:ASP:HA	19	1.27
(1,793)	1:153:A:PRO:HG3	1:154:A:ASP:H	11	1.27
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG2	4	1.27
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG3	4	1.27
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG2	4	1.27
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG3	4	1.27
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG2	4	1.27
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG3	4	1.27
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG2	6	1.27
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG3	6	1.27
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG2	6	1.27
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG3	6	1.27
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG2	6	1.27
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG3	6	1.27
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG2	14	1.27
(1,751)	1:148:A:VAL:HG21	1:149:A:LYS:HG3	14	1.27
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG2	14	1.27
(1,751)	1:148:A:VAL:HG22	1:149:A:LYS:HG3	14	1.27
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG2	14	1.27
(1,751)	1:148:A:VAL:HG23	1:149:A:LYS:HG3	14	1.27
(1,568)	1:111:A:ASP:HB2	1:112:A:ALA:HA	1	1.27
(1,568)	1:111:A:ASP:HB2	1:112:A:ALA:HA	9	1.27
(1,562)	1:110:A:VAL:HG21	1:111:A:ASP:HA	12	1.27
(1,562)	1:110:A:VAL:HG22	1:111:A:ASP:HA	12	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,562)	1:110:A:VAL:HG23	1:111:A:ASP:HA	12	1.27
(1,562)	1:110:A:VAL:HG21	1:111:A:ASP:HA	13	1.27
(1,562)	1:110:A:VAL:HG22	1:111:A:ASP:HA	13	1.27
(1,562)	1:110:A:VAL:HG23	1:111:A:ASP:HA	13	1.27
(1,562)	1:110:A:VAL:HG21	1:111:A:ASP:HA	19	1.27
(1,562)	1:110:A:VAL:HG22	1:111:A:ASP:HA	19	1.27
(1,562)	1:110:A:VAL:HG23	1:111:A:ASP:HA	19	1.27
(1,2322)	1:158:A:ILE:HG12	1:207:B:GLU:HA	6	1.26
(1,2322)	1:158:A:ILE:HG12	1:207:B:GLU:HA	12	1.26
(1,2322)	1:158:A:ILE:HG12	1:207:B:GLU:HA	20	1.26
(1,2037)	1:102:A:ASN:HB2	1:254:B:ASP:HB3	17	1.26
(1,1647)	1:110:A:VAL:HA	1:117:A:ARG:HG2	16	1.26
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD11	1	1.26
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD12	1	1.26
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD13	1	1.26
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD11	1	1.26
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD12	1	1.26
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD13	1	1.26
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD11	1	1.26
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD12	1	1.26
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD13	1	1.26
(1,1407)	1:224:B:ASN:HD22	1:226:B:ASN:HD21	20	1.26
(1,1346)	1:202:B:ASN:HD22	1:205:B:HIS:HB2	2	1.26
(1,1346)	1:202:B:ASN:HD22	1:205:B:HIS:HB2	16	1.26
(1,1346)	1:202:B:ASN:HD22	1:205:B:HIS:HB2	19	1.26
(1,1140)	1:102:A:ASN:HD22	1:105:A:HIS:HB2	11	1.26
(1,899)	1:214:B:ASP:HA	1:215:B:LYS:HG3	19	1.26
(1,884)	1:211:B:ASP:HB2	1:212:B:ALA:HA	2	1.26
(1,884)	1:211:B:ASP:HB2	1:212:B:ALA:HA	4	1.26
(1,884)	1:211:B:ASP:HB2	1:212:B:ALA:HA	11	1.26
(1,884)	1:211:B:ASP:HB2	1:212:B:ALA:HA	16	1.26
(1,878)	1:210:B:VAL:HG21	1:211:B:ASP:HA	5	1.26
(1,878)	1:210:B:VAL:HG22	1:211:B:ASP:HA	5	1.26
(1,878)	1:210:B:VAL:HG23	1:211:B:ASP:HA	5	1.26
(1,878)	1:210:B:VAL:HG21	1:211:B:ASP:HA	6	1.26
(1,878)	1:210:B:VAL:HG22	1:211:B:ASP:HA	6	1.26
(1,878)	1:210:B:VAL:HG23	1:211:B:ASP:HA	6	1.26
(1,793)	1:153:A:PRO:HG3	1:154:A:ASP:H	7	1.26
(1,568)	1:111:A:ASP:HB2	1:112:A:ALA:HA	7	1.26
(1,568)	1:111:A:ASP:HB2	1:112:A:ALA:HA	10	1.26
(1,568)	1:111:A:ASP:HB2	1:112:A:ALA:HA	11	1.26
(1,568)	1:111:A:ASP:HB2	1:112:A:ALA:HA	12	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,568)	1:111:A:ASP:HB2	1:112:A:ALA:HA	13	1.26
(1,568)	1:111:A:ASP:HB2	1:112:A:ALA:HA	14	1.26
(1,568)	1:111:A:ASP:HB2	1:112:A:ALA:HA	15	1.26
(1,568)	1:111:A:ASP:HB2	1:112:A:ALA:HA	20	1.26
(1,562)	1:110:A:VAL:HG21	1:111:A:ASP:HA	2	1.26
(1,562)	1:110:A:VAL:HG22	1:111:A:ASP:HA	2	1.26
(1,562)	1:110:A:VAL:HG23	1:111:A:ASP:HA	2	1.26
(1,489)	1:257:B:VAL:H	1:257:B:VAL:HG11	4	1.26
(1,489)	1:257:B:VAL:H	1:257:B:VAL:HG12	4	1.26
(1,489)	1:257:B:VAL:H	1:257:B:VAL:HG13	4	1.26
(1,237)	1:157:A:VAL:H	1:157:A:VAL:HG11	12	1.26
(1,237)	1:157:A:VAL:H	1:157:A:VAL:HG12	12	1.26
(1,237)	1:157:A:VAL:H	1:157:A:VAL:HG13	12	1.26
(1,2322)	1:158:A:ILE:HG12	1:207:B:GLU:HA	15	1.25
(1,2252)	1:154:A:ASP:HB3	1:202:B:ASN:HB2	15	1.25
(1,1854)	1:208:B:VAL:HG11	1:218:B:TRP:HB2	7	1.25
(1,1854)	1:208:B:VAL:HG12	1:218:B:TRP:HB2	7	1.25
(1,1854)	1:208:B:VAL:HG13	1:218:B:TRP:HB2	7	1.25
(1,1530)	1:249:B:LYS:HG2	1:253:B:PRO:HD2	8	1.25
(1,1530)	1:249:B:LYS:HG3	1:253:B:PRO:HD2	8	1.25
(1,1346)	1:202:B:ASN:HD22	1:205:B:HIS:HB2	3	1.25
(1,1346)	1:202:B:ASN:HD22	1:205:B:HIS:HB2	9	1.25
(1,1201)	1:124:A:ASN:HD22	1:126:A:ASN:HD21	17	1.25
(1,1140)	1:102:A:ASN:HD22	1:105:A:HIS:HB2	4	1.25
(1,1140)	1:102:A:ASN:HD22	1:105:A:HIS:HB2	5	1.25
(1,901)	1:214:B:ASP:HB3	1:215:B:LYS:HD3	11	1.25
(1,901)	1:214:B:ASP:HB3	1:215:B:LYS:HD3	16	1.25
(1,899)	1:214:B:ASP:HA	1:215:B:LYS:HG3	6	1.25
(1,884)	1:211:B:ASP:HB2	1:212:B:ALA:HA	6	1.25
(1,884)	1:211:B:ASP:HB2	1:212:B:ALA:HA	12	1.25
(1,884)	1:211:B:ASP:HB2	1:212:B:ALA:HA	14	1.25
(1,884)	1:211:B:ASP:HB2	1:212:B:ALA:HA	20	1.25
(1,878)	1:210:B:VAL:HG21	1:211:B:ASP:HA	4	1.25
(1,878)	1:210:B:VAL:HG22	1:211:B:ASP:HA	4	1.25
(1,878)	1:210:B:VAL:HG23	1:211:B:ASP:HA	4	1.25
(1,878)	1:210:B:VAL:HG21	1:211:B:ASP:HA	9	1.25
(1,878)	1:210:B:VAL:HG22	1:211:B:ASP:HA	9	1.25
(1,878)	1:210:B:VAL:HG23	1:211:B:ASP:HA	9	1.25
(1,793)	1:153:A:PRO:HG3	1:154:A:ASP:H	10	1.25
(1,752)	1:148:A:VAL:HG21	1:149:A:LYS:H	1	1.25
(1,752)	1:148:A:VAL:HG22	1:149:A:LYS:H	1	1.25
(1,752)	1:148:A:VAL:HG23	1:149:A:LYS:H	1	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,585)	1:114:A:ASP:HB3	1:115:A:LYS:HD3	11	1.25
(1,585)	1:114:A:ASP:HB3	1:115:A:LYS:HD3	20	1.25
(1,568)	1:111:A:ASP:HB2	1:112:A:ALA:HA	2	1.25
(1,568)	1:111:A:ASP:HB2	1:112:A:ALA:HA	3	1.25
(1,568)	1:111:A:ASP:HB2	1:112:A:ALA:HA	5	1.25
(1,568)	1:111:A:ASP:HB2	1:112:A:ALA:HA	8	1.25
(1,568)	1:111:A:ASP:HB2	1:112:A:ALA:HA	16	1.25
(1,568)	1:111:A:ASP:HB2	1:112:A:ALA:HA	17	1.25
(1,568)	1:111:A:ASP:HB2	1:112:A:ALA:HA	18	1.25
(1,489)	1:257:B:VAL:H	1:257:B:VAL:HG11	2	1.25
(1,489)	1:257:B:VAL:H	1:257:B:VAL:HG12	2	1.25
(1,489)	1:257:B:VAL:H	1:257:B:VAL:HG13	2	1.25
(1,489)	1:257:B:VAL:H	1:257:B:VAL:HG11	7	1.25
(1,489)	1:257:B:VAL:H	1:257:B:VAL:HG12	7	1.25
(1,489)	1:257:B:VAL:H	1:257:B:VAL:HG13	7	1.25
(1,489)	1:257:B:VAL:H	1:257:B:VAL:HG11	12	1.25
(1,489)	1:257:B:VAL:H	1:257:B:VAL:HG12	12	1.25
(1,489)	1:257:B:VAL:H	1:257:B:VAL:HG13	12	1.25
(1,489)	1:257:B:VAL:H	1:257:B:VAL:HG11	17	1.25
(1,489)	1:257:B:VAL:H	1:257:B:VAL:HG12	17	1.25
(1,489)	1:257:B:VAL:H	1:257:B:VAL:HG13	17	1.25
(1,489)	1:257:B:VAL:H	1:257:B:VAL:HG11	18	1.25
(1,489)	1:257:B:VAL:H	1:257:B:VAL:HG12	18	1.25
(1,489)	1:257:B:VAL:H	1:257:B:VAL:HG13	18	1.25
(1,489)	1:257:B:VAL:H	1:257:B:VAL:HG11	20	1.25
(1,489)	1:257:B:VAL:H	1:257:B:VAL:HG12	20	1.25
(1,489)	1:257:B:VAL:H	1:257:B:VAL:HG13	20	1.25
(1,237)	1:157:A:VAL:H	1:157:A:VAL:HG11	6	1.25
(1,237)	1:157:A:VAL:H	1:157:A:VAL:HG12	6	1.25
(1,237)	1:157:A:VAL:H	1:157:A:VAL:HG13	6	1.25
(1,237)	1:157:A:VAL:H	1:157:A:VAL:HG11	10	1.25
(1,237)	1:157:A:VAL:H	1:157:A:VAL:HG12	10	1.25
(1,237)	1:157:A:VAL:H	1:157:A:VAL:HG13	10	1.25
(1,237)	1:157:A:VAL:H	1:157:A:VAL:HG11	20	1.25
(1,237)	1:157:A:VAL:H	1:157:A:VAL:HG12	20	1.25
(1,237)	1:157:A:VAL:H	1:157:A:VAL:HG13	20	1.25
(1,2099)	1:107:A:GLU:HA	1:258:B:ILE:HG12	2	1.24
(1,2099)	1:107:A:GLU:HA	1:258:B:ILE:HG12	6	1.24
(1,2072)	1:105:A:HIS:H	1:251:B:ASN:HB2	18	1.24
(1,1854)	1:208:B:VAL:HG11	1:218:B:TRP:HB2	16	1.24
(1,1854)	1:208:B:VAL:HG12	1:218:B:TRP:HB2	16	1.24
(1,1854)	1:208:B:VAL:HG13	1:218:B:TRP:HB2	16	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1612)	1:108:A:VAL:HG11	1:118:A:TRP:HB2	15	1.24
(1,1612)	1:108:A:VAL:HG12	1:118:A:TRP:HB2	15	1.24
(1,1612)	1:108:A:VAL:HG13	1:118:A:TRP:HB2	15	1.24
(1,1612)	1:108:A:VAL:HG11	1:118:A:TRP:HB2	17	1.24
(1,1612)	1:108:A:VAL:HG12	1:118:A:TRP:HB2	17	1.24
(1,1612)	1:108:A:VAL:HG13	1:118:A:TRP:HB2	17	1.24
(1,1201)	1:124:A:ASN:HD22	1:126:A:ASN:HD21	6	1.24
(1,1201)	1:124:A:ASN:HD22	1:126:A:ASN:HD21	12	1.24
(1,1140)	1:102:A:ASN:HD22	1:105:A:HIS:HB2	10	1.24
(1,1140)	1:102:A:ASN:HD22	1:105:A:HIS:HB2	13	1.24
(1,1109)	1:253:B:PRO:HG3	1:254:B:ASP:H	19	1.24
(1,884)	1:211:B:ASP:HB2	1:212:B:ALA:HA	1	1.24
(1,884)	1:211:B:ASP:HB2	1:212:B:ALA:HA	3	1.24
(1,884)	1:211:B:ASP:HB2	1:212:B:ALA:HA	5	1.24
(1,884)	1:211:B:ASP:HB2	1:212:B:ALA:HA	7	1.24
(1,884)	1:211:B:ASP:HB2	1:212:B:ALA:HA	8	1.24
(1,884)	1:211:B:ASP:HB2	1:212:B:ALA:HA	10	1.24
(1,884)	1:211:B:ASP:HB2	1:212:B:ALA:HA	13	1.24
(1,884)	1:211:B:ASP:HB2	1:212:B:ALA:HA	15	1.24
(1,884)	1:211:B:ASP:HB2	1:212:B:ALA:HA	17	1.24
(1,884)	1:211:B:ASP:HB2	1:212:B:ALA:HA	18	1.24
(1,878)	1:210:B:VAL:HG21	1:211:B:ASP:HA	12	1.24
(1,878)	1:210:B:VAL:HG22	1:211:B:ASP:HA	12	1.24
(1,878)	1:210:B:VAL:HG23	1:211:B:ASP:HA	12	1.24
(1,752)	1:148:A:VAL:HG21	1:149:A:LYS:H	5	1.24
(1,752)	1:148:A:VAL:HG22	1:149:A:LYS:H	5	1.24
(1,752)	1:148:A:VAL:HG23	1:149:A:LYS:H	5	1.24
(1,568)	1:111:A:ASP:HB2	1:112:A:ALA:HA	6	1.24
(1,568)	1:111:A:ASP:HB2	1:112:A:ALA:HA	19	1.24
(1,2322)	1:158:A:ILE:HG12	1:207:B:GLU:HA	13	1.23
(1,1854)	1:208:B:VAL:HG11	1:218:B:TRP:HB2	2	1.23
(1,1854)	1:208:B:VAL:HG12	1:218:B:TRP:HB2	2	1.23
(1,1854)	1:208:B:VAL:HG13	1:218:B:TRP:HB2	2	1.23
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG21	10	1.23
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG22	10	1.23
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG23	10	1.23
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG21	10	1.23
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG22	10	1.23
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG23	10	1.23
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG21	13	1.23
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG22	13	1.23
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG23	13	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG21	13	1.23
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG22	13	1.23
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG23	13	1.23
(1,1612)	1:108:A:VAL:HG11	1:118:A:TRP:HB2	8	1.23
(1,1612)	1:108:A:VAL:HG12	1:118:A:TRP:HB2	8	1.23
(1,1612)	1:108:A:VAL:HG13	1:118:A:TRP:HB2	8	1.23
(1,1451)	1:239:B:GLN:HA	1:242:B:LYS:HG2	3	1.23
(1,1407)	1:224:B:ASN:HD22	1:226:B:ASN:HD21	19	1.23
(1,1346)	1:202:B:ASN:HD22	1:205:B:HIS:HB2	13	1.23
(1,1201)	1:124:A:ASN:HD22	1:126:A:ASN:HD21	19	1.23
(1,1140)	1:102:A:ASN:HD22	1:105:A:HIS:HB2	12	1.23
(1,899)	1:214:B:ASP:HA	1:215:B:LYS:HG3	3	1.23
(1,884)	1:211:B:ASP:HB2	1:212:B:ALA:HA	9	1.23
(1,884)	1:211:B:ASP:HB2	1:212:B:ALA:HA	19	1.23
(1,752)	1:148:A:VAL:HG21	1:149:A:LYS:H	3	1.23
(1,752)	1:148:A:VAL:HG22	1:149:A:LYS:H	3	1.23
(1,752)	1:148:A:VAL:HG23	1:149:A:LYS:H	3	1.23
(1,568)	1:111:A:ASP:HB2	1:112:A:ALA:HA	4	1.23
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG21	13	1.22
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG22	13	1.22
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG23	13	1.22
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG21	13	1.22
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG22	13	1.22
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG23	13	1.22
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG21	19	1.22
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG22	19	1.22
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG23	19	1.22
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG21	19	1.22
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG22	19	1.22
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG23	19	1.22
(1,1530)	1:249:B:LYS:HG2	1:253:B:PRO:HD2	9	1.22
(1,1530)	1:249:B:LYS:HG3	1:253:B:PRO:HD2	9	1.22
(1,1407)	1:224:B:ASN:HD22	1:226:B:ASN:HD21	8	1.22
(1,1346)	1:202:B:ASN:HD22	1:205:B:HIS:HB2	7	1.22
(1,1324)	1:149:A:LYS:HG2	1:153:A:PRO:HD2	8	1.22
(1,1324)	1:149:A:LYS:HG3	1:153:A:PRO:HD2	8	1.22
(1,1140)	1:102:A:ASN:HD22	1:105:A:HIS:HB2	3	1.22
(1,1068)	1:248:B:VAL:HG21	1:249:B:LYS:H	2	1.22
(1,1068)	1:248:B:VAL:HG22	1:249:B:LYS:H	2	1.22
(1,1068)	1:248:B:VAL:HG23	1:249:B:LYS:H	2	1.22
(1,585)	1:114:A:ASP:HB3	1:115:A:LYS:HD3	8	1.22
(1,2340)	1:160:A:ALA:H	1:209:B:PHE:HB2	13	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2099)	1:107:A:GLU:HA	1:258:B:ILE:HG12	16	1.21
(1,1854)	1:208:B:VAL:HG11	1:218:B:TRP:HB2	3	1.21
(1,1854)	1:208:B:VAL:HG12	1:218:B:TRP:HB2	3	1.21
(1,1854)	1:208:B:VAL:HG13	1:218:B:TRP:HB2	3	1.21
(1,1854)	1:208:B:VAL:HG11	1:218:B:TRP:HB2	8	1.21
(1,1854)	1:208:B:VAL:HG12	1:218:B:TRP:HB2	8	1.21
(1,1854)	1:208:B:VAL:HG13	1:218:B:TRP:HB2	8	1.21
(1,1854)	1:208:B:VAL:HG11	1:218:B:TRP:HB2	17	1.21
(1,1854)	1:208:B:VAL:HG12	1:218:B:TRP:HB2	17	1.21
(1,1854)	1:208:B:VAL:HG13	1:218:B:TRP:HB2	17	1.21
(1,1854)	1:208:B:VAL:HG11	1:218:B:TRP:HB2	19	1.21
(1,1854)	1:208:B:VAL:HG12	1:218:B:TRP:HB2	19	1.21
(1,1854)	1:208:B:VAL:HG13	1:218:B:TRP:HB2	19	1.21
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG21	19	1.21
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG22	19	1.21
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG23	19	1.21
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG21	19	1.21
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG22	19	1.21
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG23	19	1.21
(1,1647)	1:110:A:VAL:HA	1:117:A:ARG:HG2	19	1.21
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG21	4	1.21
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG22	4	1.21
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG23	4	1.21
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG21	4	1.21
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG22	4	1.21
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG23	4	1.21
(1,1530)	1:249:B:LYS:HG2	1:253:B:PRO:HD2	1	1.21
(1,1530)	1:249:B:LYS:HG3	1:253:B:PRO:HD2	1	1.21
(1,1530)	1:249:B:LYS:HG2	1:253:B:PRO:HD2	10	1.21
(1,1530)	1:249:B:LYS:HG3	1:253:B:PRO:HD2	10	1.21
(1,1346)	1:202:B:ASN:HD22	1:205:B:HIS:HB2	1	1.21
(1,1194)	1:123:A:ASP:H	1:126:A:ASN:HD21	10	1.21
(1,1068)	1:248:B:VAL:HG21	1:249:B:LYS:H	17	1.21
(1,1068)	1:248:B:VAL:HG22	1:249:B:LYS:H	17	1.21
(1,1068)	1:248:B:VAL:HG23	1:249:B:LYS:H	17	1.21
(1,901)	1:214:B:ASP:HB3	1:215:B:LYS:HD3	14	1.21
(1,899)	1:214:B:ASP:HA	1:215:B:LYS:HG3	2	1.21
(1,899)	1:214:B:ASP:HA	1:215:B:LYS:HG3	9	1.21
(1,899)	1:214:B:ASP:HA	1:215:B:LYS:HG3	12	1.21
(1,752)	1:148:A:VAL:HG21	1:149:A:LYS:H	19	1.21
(1,752)	1:148:A:VAL:HG22	1:149:A:LYS:H	19	1.21
(1,752)	1:148:A:VAL:HG23	1:149:A:LYS:H	19	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2099)	1:107:A:GLU:HA	1:258:B:ILE:HG12	4	1.2
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD11	13	1.2
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD12	13	1.2
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD13	13	1.2
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD11	13	1.2
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD12	13	1.2
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD13	13	1.2
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD11	13	1.2
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD12	13	1.2
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD13	13	1.2
(1,1854)	1:208:B:VAL:HG11	1:218:B:TRP:HB2	1	1.2
(1,1854)	1:208:B:VAL:HG12	1:218:B:TRP:HB2	1	1.2
(1,1854)	1:208:B:VAL:HG13	1:218:B:TRP:HB2	1	1.2
(1,1854)	1:208:B:VAL:HG11	1:218:B:TRP:HB2	4	1.2
(1,1854)	1:208:B:VAL:HG12	1:218:B:TRP:HB2	4	1.2
(1,1854)	1:208:B:VAL:HG13	1:218:B:TRP:HB2	4	1.2
(1,1854)	1:208:B:VAL:HG11	1:218:B:TRP:HB2	15	1.2
(1,1854)	1:208:B:VAL:HG12	1:218:B:TRP:HB2	15	1.2
(1,1854)	1:208:B:VAL:HG13	1:218:B:TRP:HB2	15	1.2
(1,1656)	1:110:A:VAL:HG21	1:115:A:LYS:H	2	1.2
(1,1656)	1:110:A:VAL:HG22	1:115:A:LYS:H	2	1.2
(1,1656)	1:110:A:VAL:HG23	1:115:A:LYS:H	2	1.2
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD11	3	1.2
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD12	3	1.2
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD13	3	1.2
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD11	3	1.2
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD12	3	1.2
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD13	3	1.2
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD11	3	1.2
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD12	3	1.2
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD13	3	1.2
(1,1612)	1:108:A:VAL:HG11	1:118:A:TRP:HB2	9	1.2
(1,1612)	1:108:A:VAL:HG12	1:118:A:TRP:HB2	9	1.2
(1,1612)	1:108:A:VAL:HG13	1:118:A:TRP:HB2	9	1.2
(1,1612)	1:108:A:VAL:HG11	1:118:A:TRP:HB2	18	1.2
(1,1612)	1:108:A:VAL:HG12	1:118:A:TRP:HB2	18	1.2
(1,1612)	1:108:A:VAL:HG13	1:118:A:TRP:HB2	18	1.2
(1,1407)	1:224:B:ASN:HD22	1:226:B:ASN:HD21	9	1.2
(1,1324)	1:149:A:LYS:HG2	1:153:A:PRO:HD2	2	1.2
(1,1324)	1:149:A:LYS:HG3	1:153:A:PRO:HD2	2	1.2
(1,1201)	1:124:A:ASN:HD22	1:126:A:ASN:HD21	2	1.2
(1,1140)	1:102:A:ASN:HD22	1:105:A:HIS:HB2	7	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1140)	1:102:A:ASN:HD22	1:105:A:HIS:HB2	14	1.2
(1,1068)	1:248:B:VAL:HG21	1:249:B:LYS:H	10	1.2
(1,1068)	1:248:B:VAL:HG22	1:249:B:LYS:H	10	1.2
(1,1068)	1:248:B:VAL:HG23	1:249:B:LYS:H	10	1.2
(1,1068)	1:248:B:VAL:HG21	1:249:B:LYS:H	11	1.2
(1,1068)	1:248:B:VAL:HG22	1:249:B:LYS:H	11	1.2
(1,1068)	1:248:B:VAL:HG23	1:249:B:LYS:H	11	1.2
(1,1068)	1:248:B:VAL:HG21	1:249:B:LYS:H	13	1.2
(1,1068)	1:248:B:VAL:HG22	1:249:B:LYS:H	13	1.2
(1,1068)	1:248:B:VAL:HG23	1:249:B:LYS:H	13	1.2
(1,901)	1:214:B:ASP:HB3	1:215:B:LYS:HD3	18	1.2
(1,752)	1:148:A:VAL:HG21	1:149:A:LYS:H	17	1.2
(1,752)	1:148:A:VAL:HG22	1:149:A:LYS:H	17	1.2
(1,752)	1:148:A:VAL:HG23	1:149:A:LYS:H	17	1.2
(1,585)	1:114:A:ASP:HB3	1:115:A:LYS:HD3	7	1.2
(1,2099)	1:107:A:GLU:HA	1:258:B:ILE:HG12	7	1.19
(1,2099)	1:107:A:GLU:HA	1:258:B:ILE:HG12	20	1.19
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD11	14	1.19
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD12	14	1.19
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD13	14	1.19
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD11	14	1.19
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD12	14	1.19
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD13	14	1.19
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD11	14	1.19
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD12	14	1.19
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD13	14	1.19
(1,1854)	1:208:B:VAL:HG11	1:218:B:TRP:HB2	6	1.19
(1,1854)	1:208:B:VAL:HG12	1:218:B:TRP:HB2	6	1.19
(1,1854)	1:208:B:VAL:HG13	1:218:B:TRP:HB2	6	1.19
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG21	16	1.19
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG22	16	1.19
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG23	16	1.19
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG21	16	1.19
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG22	16	1.19
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG23	16	1.19
(1,1612)	1:108:A:VAL:HG11	1:118:A:TRP:HB2	3	1.19
(1,1612)	1:108:A:VAL:HG12	1:118:A:TRP:HB2	3	1.19
(1,1612)	1:108:A:VAL:HG13	1:118:A:TRP:HB2	3	1.19
(1,1612)	1:108:A:VAL:HG11	1:118:A:TRP:HB2	7	1.19
(1,1612)	1:108:A:VAL:HG12	1:118:A:TRP:HB2	7	1.19
(1,1612)	1:108:A:VAL:HG13	1:118:A:TRP:HB2	7	1.19
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG21	7	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG22	7	1.19
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG23	7	1.19
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG21	7	1.19
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG22	7	1.19
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG23	7	1.19
(1,1530)	1:249:B:LYS:HG2	1:253:B:PRO:HD2	12	1.19
(1,1530)	1:249:B:LYS:HG3	1:253:B:PRO:HD2	12	1.19
(1,1530)	1:249:B:LYS:HG2	1:253:B:PRO:HD2	18	1.19
(1,1530)	1:249:B:LYS:HG3	1:253:B:PRO:HD2	18	1.19
(1,1346)	1:202:B:ASN:HD22	1:205:B:HIS:HB2	15	1.19
(1,1346)	1:202:B:ASN:HD22	1:205:B:HIS:HB2	20	1.19
(1,1324)	1:149:A:LYS:HG2	1:153:A:PRO:HD2	14	1.19
(1,1324)	1:149:A:LYS:HG3	1:153:A:PRO:HD2	14	1.19
(1,1201)	1:124:A:ASN:HD22	1:126:A:ASN:HD21	1	1.19
(1,901)	1:214:B:ASP:HB3	1:215:B:LYS:HD3	20	1.19
(1,752)	1:148:A:VAL:HG21	1:149:A:LYS:H	16	1.19
(1,752)	1:148:A:VAL:HG22	1:149:A:LYS:H	16	1.19
(1,752)	1:148:A:VAL:HG23	1:149:A:LYS:H	16	1.19
(1,2114)	1:109:A:PHE:HB2	1:260:B:ALA:H	4	1.18
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD11	9	1.18
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD12	9	1.18
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD13	9	1.18
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD11	9	1.18
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD12	9	1.18
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD13	9	1.18
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD11	9	1.18
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD12	9	1.18
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD13	9	1.18
(1,1854)	1:208:B:VAL:HG11	1:218:B:TRP:HB2	12	1.18
(1,1854)	1:208:B:VAL:HG12	1:218:B:TRP:HB2	12	1.18
(1,1854)	1:208:B:VAL:HG13	1:218:B:TRP:HB2	12	1.18
(1,1854)	1:208:B:VAL:HG11	1:218:B:TRP:HB2	20	1.18
(1,1854)	1:208:B:VAL:HG12	1:218:B:TRP:HB2	20	1.18
(1,1854)	1:208:B:VAL:HG13	1:218:B:TRP:HB2	20	1.18
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG21	17	1.18
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG22	17	1.18
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG23	17	1.18
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG21	17	1.18
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG22	17	1.18
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG23	17	1.18
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD11	7	1.18
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD12	7	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD13	7	1.18
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD11	7	1.18
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD12	7	1.18
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD13	7	1.18
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD11	7	1.18
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD12	7	1.18
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD13	7	1.18
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD11	19	1.18
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD12	19	1.18
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD13	19	1.18
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD11	19	1.18
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD12	19	1.18
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD13	19	1.18
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD11	19	1.18
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD12	19	1.18
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD13	19	1.18
(1,1612)	1:108:A:VAL:HG11	1:118:A:TRP:HB2	13	1.18
(1,1612)	1:108:A:VAL:HG12	1:118:A:TRP:HB2	13	1.18
(1,1612)	1:108:A:VAL:HG13	1:118:A:TRP:HB2	13	1.18
(1,1612)	1:108:A:VAL:HG11	1:118:A:TRP:HB2	19	1.18
(1,1612)	1:108:A:VAL:HG12	1:118:A:TRP:HB2	19	1.18
(1,1612)	1:108:A:VAL:HG13	1:118:A:TRP:HB2	19	1.18
(1,1530)	1:249:B:LYS:HG2	1:253:B:PRO:HD2	5	1.18
(1,1530)	1:249:B:LYS:HG3	1:253:B:PRO:HD2	5	1.18
(1,1530)	1:249:B:LYS:HG2	1:253:B:PRO:HD2	15	1.18
(1,1530)	1:249:B:LYS:HG3	1:253:B:PRO:HD2	15	1.18
(1,1530)	1:249:B:LYS:HG2	1:253:B:PRO:HD2	19	1.18
(1,1530)	1:249:B:LYS:HG3	1:253:B:PRO:HD2	19	1.18
(1,1324)	1:149:A:LYS:HG2	1:153:A:PRO:HD2	12	1.18
(1,1324)	1:149:A:LYS:HG3	1:153:A:PRO:HD2	12	1.18
(1,1324)	1:149:A:LYS:HG2	1:153:A:PRO:HD2	18	1.18
(1,1324)	1:149:A:LYS:HG3	1:153:A:PRO:HD2	18	1.18
(1,1140)	1:102:A:ASN:HD22	1:105:A:HIS:HB2	15	1.18
(1,1068)	1:248:B:VAL:HG21	1:249:B:LYS:H	14	1.18
(1,1068)	1:248:B:VAL:HG22	1:249:B:LYS:H	14	1.18
(1,1068)	1:248:B:VAL:HG23	1:249:B:LYS:H	14	1.18
(1,752)	1:148:A:VAL:HG21	1:149:A:LYS:H	10	1.18
(1,752)	1:148:A:VAL:HG22	1:149:A:LYS:H	10	1.18
(1,752)	1:148:A:VAL:HG23	1:149:A:LYS:H	10	1.18
(1,752)	1:148:A:VAL:HG21	1:149:A:LYS:H	13	1.18
(1,752)	1:148:A:VAL:HG22	1:149:A:LYS:H	13	1.18
(1,752)	1:148:A:VAL:HG23	1:149:A:LYS:H	13	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,752)	1:148:A:VAL:HG21	1:149:A:LYS:H	20	1.18
(1,752)	1:148:A:VAL:HG22	1:149:A:LYS:H	20	1.18
(1,752)	1:148:A:VAL:HG23	1:149:A:LYS:H	20	1.18
(1,585)	1:114:A:ASP:HB3	1:115:A:LYS:HD3	15	1.18
(1,583)	1:114:A:ASP:HA	1:115:A:LYS:HG3	4	1.18
(1,2322)	1:158:A:ILE:HG12	1:207:B:GLU:HA	1	1.17
(1,2322)	1:158:A:ILE:HG12	1:207:B:GLU:HA	10	1.17
(1,2114)	1:109:A:PHE:HB2	1:260:B:ALA:H	13	1.17
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD11	2	1.17
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD12	2	1.17
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD13	2	1.17
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD11	2	1.17
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD12	2	1.17
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD13	2	1.17
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD11	2	1.17
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD12	2	1.17
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD13	2	1.17
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD11	3	1.17
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD12	3	1.17
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD13	3	1.17
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD11	3	1.17
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD12	3	1.17
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD13	3	1.17
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD11	3	1.17
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD12	3	1.17
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD13	3	1.17
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD11	6	1.17
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD12	6	1.17
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD13	6	1.17
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD11	6	1.17
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD12	6	1.17
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD13	6	1.17
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD11	6	1.17
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD12	6	1.17
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD13	6	1.17
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD11	20	1.17
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD12	20	1.17
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD13	20	1.17
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD11	20	1.17
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD12	20	1.17
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD13	20	1.17
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD11	20	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD12	20	1.17
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD13	20	1.17
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG21	2	1.17
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG22	2	1.17
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG23	2	1.17
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG21	2	1.17
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG22	2	1.17
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG23	2	1.17
(1,1612)	1:108:A:VAL:HG11	1:118:A:TRP:HB2	5	1.17
(1,1612)	1:108:A:VAL:HG12	1:118:A:TRP:HB2	5	1.17
(1,1612)	1:108:A:VAL:HG13	1:118:A:TRP:HB2	5	1.17
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG21	15	1.17
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG22	15	1.17
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG23	15	1.17
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG21	15	1.17
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG22	15	1.17
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG23	15	1.17
(1,1407)	1:224:B:ASN:HD22	1:226:B:ASN:HD21	7	1.17
(1,1068)	1:248:B:VAL:HG21	1:249:B:LYS:H	4	1.17
(1,1068)	1:248:B:VAL:HG22	1:249:B:LYS:H	4	1.17
(1,1068)	1:248:B:VAL:HG23	1:249:B:LYS:H	4	1.17
(1,1068)	1:248:B:VAL:HG21	1:249:B:LYS:H	5	1.17
(1,1068)	1:248:B:VAL:HG22	1:249:B:LYS:H	5	1.17
(1,1068)	1:248:B:VAL:HG23	1:249:B:LYS:H	5	1.17
(1,1068)	1:248:B:VAL:HG21	1:249:B:LYS:H	16	1.17
(1,1068)	1:248:B:VAL:HG22	1:249:B:LYS:H	16	1.17
(1,1068)	1:248:B:VAL:HG23	1:249:B:LYS:H	16	1.17
(1,901)	1:214:B:ASP:HB3	1:215:B:LYS:HD3	5	1.17
(1,863)	1:209:B:PHE:HB3	1:210:B:VAL:H	10	1.17
(1,752)	1:148:A:VAL:HG21	1:149:A:LYS:H	7	1.17
(1,752)	1:148:A:VAL:HG22	1:149:A:LYS:H	7	1.17
(1,752)	1:148:A:VAL:HG23	1:149:A:LYS:H	7	1.17
(1,752)	1:148:A:VAL:HG21	1:149:A:LYS:H	9	1.17
(1,752)	1:148:A:VAL:HG22	1:149:A:LYS:H	9	1.17
(1,752)	1:148:A:VAL:HG23	1:149:A:LYS:H	9	1.17
(1,752)	1:148:A:VAL:HG21	1:149:A:LYS:H	12	1.17
(1,752)	1:148:A:VAL:HG22	1:149:A:LYS:H	12	1.17
(1,752)	1:148:A:VAL:HG23	1:149:A:LYS:H	12	1.17
(1,752)	1:148:A:VAL:HG21	1:149:A:LYS:H	14	1.17
(1,752)	1:148:A:VAL:HG22	1:149:A:LYS:H	14	1.17
(1,752)	1:148:A:VAL:HG23	1:149:A:LYS:H	14	1.17
(1,585)	1:114:A:ASP:HB3	1:115:A:LYS:HD3	9	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1898)	1:210:B:VAL:HG21	1:215:B:LYS:H	4	1.16
(1,1898)	1:210:B:VAL:HG22	1:215:B:LYS:H	4	1.16
(1,1898)	1:210:B:VAL:HG23	1:215:B:LYS:H	4	1.16
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD11	19	1.16
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD12	19	1.16
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD13	19	1.16
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD11	19	1.16
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD12	19	1.16
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD13	19	1.16
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD11	19	1.16
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD12	19	1.16
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD13	19	1.16
(1,1854)	1:208:B:VAL:HG11	1:218:B:TRP:HB2	5	1.16
(1,1854)	1:208:B:VAL:HG12	1:218:B:TRP:HB2	5	1.16
(1,1854)	1:208:B:VAL:HG13	1:218:B:TRP:HB2	5	1.16
(1,1854)	1:208:B:VAL:HG11	1:218:B:TRP:HB2	18	1.16
(1,1854)	1:208:B:VAL:HG12	1:218:B:TRP:HB2	18	1.16
(1,1854)	1:208:B:VAL:HG13	1:218:B:TRP:HB2	18	1.16
(1,1837)	1:207:B:GLU:HG2	1:221:B:VAL:HB	18	1.16
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD11	16	1.16
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD12	16	1.16
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD13	16	1.16
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD11	16	1.16
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD12	16	1.16
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD13	16	1.16
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD11	16	1.16
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD12	16	1.16
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD13	16	1.16
(1,1530)	1:249:B:LYS:HG2	1:253:B:PRO:HD2	13	1.16
(1,1530)	1:249:B:LYS:HG3	1:253:B:PRO:HD2	13	1.16
(1,1407)	1:224:B:ASN:HD22	1:226:B:ASN:HD21	16	1.16
(1,1140)	1:102:A:ASN:HD22	1:105:A:HIS:HB2	18	1.16
(1,1068)	1:248:B:VAL:HG21	1:249:B:LYS:H	6	1.16
(1,1068)	1:248:B:VAL:HG22	1:249:B:LYS:H	6	1.16
(1,1068)	1:248:B:VAL:HG23	1:249:B:LYS:H	6	1.16
(1,1068)	1:248:B:VAL:HG21	1:249:B:LYS:H	8	1.16
(1,1068)	1:248:B:VAL:HG22	1:249:B:LYS:H	8	1.16
(1,1068)	1:248:B:VAL:HG23	1:249:B:LYS:H	8	1.16
(1,2252)	1:154:A:ASP:HB3	1:202:B:ASN:HB2	8	1.15
(1,2099)	1:107:A:GLU:HA	1:258:B:ILE:HG12	18	1.15
(1,1854)	1:208:B:VAL:HG11	1:218:B:TRP:HB2	11	1.15
(1,1854)	1:208:B:VAL:HG12	1:218:B:TRP:HB2	11	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1854)	1:208:B:VAL:HG13	1:218:B:TRP:HB2	11	1.15
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG21	12	1.15
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG22	12	1.15
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG23	12	1.15
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG21	12	1.15
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG22	12	1.15
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG23	12	1.15
(1,1656)	1:110:A:VAL:HG21	1:115:A:LYS:H	6	1.15
(1,1656)	1:110:A:VAL:HG22	1:115:A:LYS:H	6	1.15
(1,1656)	1:110:A:VAL:HG23	1:115:A:LYS:H	6	1.15
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD11	10	1.15
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD12	10	1.15
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD13	10	1.15
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD11	10	1.15
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD12	10	1.15
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD13	10	1.15
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD11	10	1.15
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD12	10	1.15
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD13	10	1.15
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD11	15	1.15
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD12	15	1.15
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD13	15	1.15
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD11	15	1.15
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD12	15	1.15
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD13	15	1.15
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD11	15	1.15
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD12	15	1.15
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD13	15	1.15
(1,1612)	1:108:A:VAL:HG11	1:118:A:TRP:HB2	2	1.15
(1,1612)	1:108:A:VAL:HG12	1:118:A:TRP:HB2	2	1.15
(1,1612)	1:108:A:VAL:HG13	1:118:A:TRP:HB2	2	1.15
(1,1530)	1:249:B:LYS:HG2	1:253:B:PRO:HD2	4	1.15
(1,1530)	1:249:B:LYS:HG3	1:253:B:PRO:HD2	4	1.15
(1,1324)	1:149:A:LYS:HG2	1:153:A:PRO:HD2	9	1.15
(1,1324)	1:149:A:LYS:HG3	1:153:A:PRO:HD2	9	1.15
(1,1324)	1:149:A:LYS:HG2	1:153:A:PRO:HD2	17	1.15
(1,1324)	1:149:A:LYS:HG3	1:153:A:PRO:HD2	17	1.15
(1,1068)	1:248:B:VAL:HG21	1:249:B:LYS:H	3	1.15
(1,1068)	1:248:B:VAL:HG22	1:249:B:LYS:H	3	1.15
(1,1068)	1:248:B:VAL:HG23	1:249:B:LYS:H	3	1.15
(1,1068)	1:248:B:VAL:HG21	1:249:B:LYS:H	9	1.15
(1,1068)	1:248:B:VAL:HG22	1:249:B:LYS:H	9	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1068)	1:248:B:VAL:HG23	1:249:B:LYS:H	9	1.15
(1,1068)	1:248:B:VAL:HG21	1:249:B:LYS:H	15	1.15
(1,1068)	1:248:B:VAL:HG22	1:249:B:LYS:H	15	1.15
(1,1068)	1:248:B:VAL:HG23	1:249:B:LYS:H	15	1.15
(1,1068)	1:248:B:VAL:HG21	1:249:B:LYS:H	18	1.15
(1,1068)	1:248:B:VAL:HG22	1:249:B:LYS:H	18	1.15
(1,1068)	1:248:B:VAL:HG23	1:249:B:LYS:H	18	1.15
(1,1068)	1:248:B:VAL:HG21	1:249:B:LYS:H	19	1.15
(1,1068)	1:248:B:VAL:HG22	1:249:B:LYS:H	19	1.15
(1,1068)	1:248:B:VAL:HG23	1:249:B:LYS:H	19	1.15
(1,1068)	1:248:B:VAL:HG21	1:249:B:LYS:H	20	1.15
(1,1068)	1:248:B:VAL:HG22	1:249:B:LYS:H	20	1.15
(1,1068)	1:248:B:VAL:HG23	1:249:B:LYS:H	20	1.15
(1,878)	1:210:B:VAL:HG21	1:211:B:ASP:HA	8	1.15
(1,878)	1:210:B:VAL:HG22	1:211:B:ASP:HA	8	1.15
(1,878)	1:210:B:VAL:HG23	1:211:B:ASP:HA	8	1.15
(1,752)	1:148:A:VAL:HG21	1:149:A:LYS:H	15	1.15
(1,752)	1:148:A:VAL:HG22	1:149:A:LYS:H	15	1.15
(1,752)	1:148:A:VAL:HG23	1:149:A:LYS:H	15	1.15
(1,506)	1:102:A:ASN:HA	1:103:A:LYS:HB3	10	1.15
(1,1898)	1:210:B:VAL:HG21	1:215:B:LYS:H	2	1.14
(1,1898)	1:210:B:VAL:HG22	1:215:B:LYS:H	2	1.14
(1,1898)	1:210:B:VAL:HG23	1:215:B:LYS:H	2	1.14
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD11	12	1.14
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD12	12	1.14
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD13	12	1.14
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD11	12	1.14
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD12	12	1.14
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD13	12	1.14
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD11	12	1.14
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD12	12	1.14
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD13	12	1.14
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD11	4	1.14
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD12	4	1.14
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD13	4	1.14
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD11	4	1.14
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD12	4	1.14
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD13	4	1.14
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD11	4	1.14
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD12	4	1.14
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD13	4	1.14
(1,1612)	1:108:A:VAL:HG11	1:118:A:TRP:HB2	20	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1612)	1:108:A:VAL:HG12	1:118:A:TRP:HB2	20	1.14
(1,1612)	1:108:A:VAL:HG13	1:118:A:TRP:HB2	20	1.14
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG21	11	1.14
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG22	11	1.14
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG23	11	1.14
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG21	11	1.14
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG22	11	1.14
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG23	11	1.14
(1,1324)	1:149:A:LYS:HG2	1:153:A:PRO:HD2	1	1.14
(1,1324)	1:149:A:LYS:HG3	1:153:A:PRO:HD2	1	1.14
(1,1324)	1:149:A:LYS:HG2	1:153:A:PRO:HD2	4	1.14
(1,1324)	1:149:A:LYS:HG3	1:153:A:PRO:HD2	4	1.14
(1,1324)	1:149:A:LYS:HG2	1:153:A:PRO:HD2	5	1.14
(1,1324)	1:149:A:LYS:HG3	1:153:A:PRO:HD2	5	1.14
(1,1324)	1:149:A:LYS:HG2	1:153:A:PRO:HD2	15	1.14
(1,1324)	1:149:A:LYS:HG3	1:153:A:PRO:HD2	15	1.14
(1,1324)	1:149:A:LYS:HG2	1:153:A:PRO:HD2	16	1.14
(1,1324)	1:149:A:LYS:HG3	1:153:A:PRO:HD2	16	1.14
(1,1220)	1:131:A:SER:HA	1:133:A:GLU:HB3	1	1.14
(1,1201)	1:124:A:ASN:HD22	1:126:A:ASN:HD21	5	1.14
(1,1201)	1:124:A:ASN:HD22	1:126:A:ASN:HD21	7	1.14
(1,1068)	1:248:B:VAL:HG21	1:249:B:LYS:H	7	1.14
(1,1068)	1:248:B:VAL:HG22	1:249:B:LYS:H	7	1.14
(1,1068)	1:248:B:VAL:HG23	1:249:B:LYS:H	7	1.14
(1,1068)	1:248:B:VAL:HG21	1:249:B:LYS:H	12	1.14
(1,1068)	1:248:B:VAL:HG22	1:249:B:LYS:H	12	1.14
(1,1068)	1:248:B:VAL:HG23	1:249:B:LYS:H	12	1.14
(1,878)	1:210:B:VAL:HG21	1:211:B:ASP:HA	15	1.14
(1,878)	1:210:B:VAL:HG22	1:211:B:ASP:HA	15	1.14
(1,878)	1:210:B:VAL:HG23	1:211:B:ASP:HA	15	1.14
(1,752)	1:148:A:VAL:HG21	1:149:A:LYS:H	4	1.14
(1,752)	1:148:A:VAL:HG22	1:149:A:LYS:H	4	1.14
(1,752)	1:148:A:VAL:HG23	1:149:A:LYS:H	4	1.14
(1,752)	1:148:A:VAL:HG21	1:149:A:LYS:H	8	1.14
(1,752)	1:148:A:VAL:HG22	1:149:A:LYS:H	8	1.14
(1,752)	1:148:A:VAL:HG23	1:149:A:LYS:H	8	1.14
(1,752)	1:148:A:VAL:HG21	1:149:A:LYS:H	18	1.14
(1,752)	1:148:A:VAL:HG22	1:149:A:LYS:H	18	1.14
(1,752)	1:148:A:VAL:HG23	1:149:A:LYS:H	18	1.14
(1,585)	1:114:A:ASP:HB3	1:115:A:LYS:HD3	12	1.14
(1,585)	1:114:A:ASP:HB3	1:115:A:LYS:HD3	17	1.14
(1,2340)	1:160:A:ALA:H	1:209:B:PHE:HB2	9	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2114)	1:109:A:PHE:HB2	1:260:B:ALA:H	8	1.13
(1,2114)	1:109:A:PHE:HB2	1:260:B:ALA:H	15	1.13
(1,1898)	1:210:B:VAL:HG21	1:215:B:LYS:H	6	1.13
(1,1898)	1:210:B:VAL:HG22	1:215:B:LYS:H	6	1.13
(1,1898)	1:210:B:VAL:HG23	1:215:B:LYS:H	6	1.13
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD11	16	1.13
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD12	16	1.13
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD13	16	1.13
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD11	16	1.13
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD12	16	1.13
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD13	16	1.13
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD11	16	1.13
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD12	16	1.13
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD13	16	1.13
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG21	7	1.13
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG22	7	1.13
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG23	7	1.13
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG21	7	1.13
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG22	7	1.13
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG23	7	1.13
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD11	18	1.13
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD12	18	1.13
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD13	18	1.13
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD11	18	1.13
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD12	18	1.13
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD13	18	1.13
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD11	18	1.13
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD12	18	1.13
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD13	18	1.13
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG21	17	1.13
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG22	17	1.13
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG23	17	1.13
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG21	17	1.13
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG22	17	1.13
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG23	17	1.13
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG21	20	1.13
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG22	20	1.13
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG23	20	1.13
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG21	20	1.13
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG22	20	1.13
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG23	20	1.13
(1,1530)	1:249:B:LYS:HG2	1:253:B:PRO:HD2	3	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1530)	1:249:B:LYS:HG3	1:253:B:PRO:HD2	3	1.13
(1,1530)	1:249:B:LYS:HG2	1:253:B:PRO:HD2	14	1.13
(1,1530)	1:249:B:LYS:HG3	1:253:B:PRO:HD2	14	1.13
(1,1530)	1:249:B:LYS:HG2	1:253:B:PRO:HD2	17	1.13
(1,1530)	1:249:B:LYS:HG3	1:253:B:PRO:HD2	17	1.13
(1,1407)	1:224:B:ASN:HD22	1:226:B:ASN:HD21	10	1.13
(1,1407)	1:224:B:ASN:HD22	1:226:B:ASN:HD21	12	1.13
(1,1346)	1:202:B:ASN:HD22	1:205:B:HIS:HB2	4	1.13
(1,1324)	1:149:A:LYS:HG2	1:153:A:PRO:HD2	10	1.13
(1,1324)	1:149:A:LYS:HG3	1:153:A:PRO:HD2	10	1.13
(1,1324)	1:149:A:LYS:HG2	1:153:A:PRO:HD2	20	1.13
(1,1324)	1:149:A:LYS:HG3	1:153:A:PRO:HD2	20	1.13
(1,752)	1:148:A:VAL:HG21	1:149:A:LYS:H	6	1.13
(1,752)	1:148:A:VAL:HG22	1:149:A:LYS:H	6	1.13
(1,752)	1:148:A:VAL:HG23	1:149:A:LYS:H	6	1.13
(1,752)	1:148:A:VAL:HG21	1:149:A:LYS:H	11	1.13
(1,752)	1:148:A:VAL:HG22	1:149:A:LYS:H	11	1.13
(1,752)	1:148:A:VAL:HG23	1:149:A:LYS:H	11	1.13
(1,306)	1:215:B:LYS:H	1:215:B:LYS:HG3	2	1.13
(1,1898)	1:210:B:VAL:HG21	1:215:B:LYS:H	3	1.12
(1,1898)	1:210:B:VAL:HG22	1:215:B:LYS:H	3	1.12
(1,1898)	1:210:B:VAL:HG23	1:215:B:LYS:H	3	1.12
(1,1898)	1:210:B:VAL:HG21	1:215:B:LYS:H	9	1.12
(1,1898)	1:210:B:VAL:HG22	1:215:B:LYS:H	9	1.12
(1,1898)	1:210:B:VAL:HG23	1:215:B:LYS:H	9	1.12
(1,1898)	1:210:B:VAL:HG21	1:215:B:LYS:H	16	1.12
(1,1898)	1:210:B:VAL:HG22	1:215:B:LYS:H	16	1.12
(1,1898)	1:210:B:VAL:HG23	1:215:B:LYS:H	16	1.12
(1,1898)	1:210:B:VAL:HG21	1:215:B:LYS:H	19	1.12
(1,1898)	1:210:B:VAL:HG22	1:215:B:LYS:H	19	1.12
(1,1898)	1:210:B:VAL:HG23	1:215:B:LYS:H	19	1.12
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD11	1	1.12
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD12	1	1.12
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD13	1	1.12
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD11	1	1.12
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD12	1	1.12
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD13	1	1.12
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD11	1	1.12
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD12	1	1.12
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD13	1	1.12
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD11	8	1.12
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD12	8	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD13	8	1.12
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD11	8	1.12
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD12	8	1.12
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD13	8	1.12
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD11	8	1.12
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD12	8	1.12
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD13	8	1.12
(1,1656)	1:110:A:VAL:HG21	1:115:A:LYS:H	14	1.12
(1,1656)	1:110:A:VAL:HG22	1:115:A:LYS:H	14	1.12
(1,1656)	1:110:A:VAL:HG23	1:115:A:LYS:H	14	1.12
(1,1656)	1:110:A:VAL:HG21	1:115:A:LYS:H	18	1.12
(1,1656)	1:110:A:VAL:HG22	1:115:A:LYS:H	18	1.12
(1,1656)	1:110:A:VAL:HG23	1:115:A:LYS:H	18	1.12
(1,1656)	1:110:A:VAL:HG21	1:115:A:LYS:H	19	1.12
(1,1656)	1:110:A:VAL:HG22	1:115:A:LYS:H	19	1.12
(1,1656)	1:110:A:VAL:HG23	1:115:A:LYS:H	19	1.12
(1,1656)	1:110:A:VAL:HG21	1:115:A:LYS:H	20	1.12
(1,1656)	1:110:A:VAL:HG22	1:115:A:LYS:H	20	1.12
(1,1656)	1:110:A:VAL:HG23	1:115:A:LYS:H	20	1.12
(1,1530)	1:249:B:LYS:HG2	1:253:B:PRO:HD2	2	1.12
(1,1530)	1:249:B:LYS:HG3	1:253:B:PRO:HD2	2	1.12
(1,1530)	1:249:B:LYS:HG2	1:253:B:PRO:HD2	6	1.12
(1,1530)	1:249:B:LYS:HG3	1:253:B:PRO:HD2	6	1.12
(1,1530)	1:249:B:LYS:HG2	1:253:B:PRO:HD2	20	1.12
(1,1530)	1:249:B:LYS:HG3	1:253:B:PRO:HD2	20	1.12
(1,1324)	1:149:A:LYS:HG2	1:153:A:PRO:HD2	7	1.12
(1,1324)	1:149:A:LYS:HG3	1:153:A:PRO:HD2	7	1.12
(1,1324)	1:149:A:LYS:HG2	1:153:A:PRO:HD2	11	1.12
(1,1324)	1:149:A:LYS:HG3	1:153:A:PRO:HD2	11	1.12
(1,1201)	1:124:A:ASN:HD22	1:126:A:ASN:HD21	4	1.12
(1,1068)	1:248:B:VAL:HG21	1:249:B:LYS:H	1	1.12
(1,1068)	1:248:B:VAL:HG22	1:249:B:LYS:H	1	1.12
(1,1068)	1:248:B:VAL:HG23	1:249:B:LYS:H	1	1.12
(1,901)	1:214:B:ASP:HB3	1:215:B:LYS:HD3	13	1.12
(1,752)	1:148:A:VAL:HG21	1:149:A:LYS:H	2	1.12
(1,752)	1:148:A:VAL:HG22	1:149:A:LYS:H	2	1.12
(1,752)	1:148:A:VAL:HG23	1:149:A:LYS:H	2	1.12
(1,2340)	1:160:A:ALA:H	1:209:B:PHE:HB2	14	1.11
(1,2114)	1:109:A:PHE:HB2	1:260:B:ALA:H	10	1.11
(1,1898)	1:210:B:VAL:HG21	1:215:B:LYS:H	12	1.11
(1,1898)	1:210:B:VAL:HG22	1:215:B:LYS:H	12	1.11
(1,1898)	1:210:B:VAL:HG23	1:215:B:LYS:H	12	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1898)	1:210:B:VAL:HG21	1:215:B:LYS:H	20	1.11
(1,1898)	1:210:B:VAL:HG22	1:215:B:LYS:H	20	1.11
(1,1898)	1:210:B:VAL:HG23	1:215:B:LYS:H	20	1.11
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD11	11	1.11
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD12	11	1.11
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD13	11	1.11
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD11	11	1.11
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD12	11	1.11
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD13	11	1.11
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD11	11	1.11
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD12	11	1.11
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD13	11	1.11
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG21	11	1.11
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG22	11	1.11
(1,1830)	1:206:B:PHE:HD1	1:248:B:VAL:HG23	11	1.11
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG21	11	1.11
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG22	11	1.11
(1,1830)	1:206:B:PHE:HD2	1:248:B:VAL:HG23	11	1.11
(1,1656)	1:110:A:VAL:HG21	1:115:A:LYS:H	1	1.11
(1,1656)	1:110:A:VAL:HG22	1:115:A:LYS:H	1	1.11
(1,1656)	1:110:A:VAL:HG23	1:115:A:LYS:H	1	1.11
(1,1656)	1:110:A:VAL:HG21	1:115:A:LYS:H	4	1.11
(1,1656)	1:110:A:VAL:HG22	1:115:A:LYS:H	4	1.11
(1,1656)	1:110:A:VAL:HG23	1:115:A:LYS:H	4	1.11
(1,1656)	1:110:A:VAL:HG21	1:115:A:LYS:H	8	1.11
(1,1656)	1:110:A:VAL:HG22	1:115:A:LYS:H	8	1.11
(1,1656)	1:110:A:VAL:HG23	1:115:A:LYS:H	8	1.11
(1,1656)	1:110:A:VAL:HG21	1:115:A:LYS:H	9	1.11
(1,1656)	1:110:A:VAL:HG22	1:115:A:LYS:H	9	1.11
(1,1656)	1:110:A:VAL:HG23	1:115:A:LYS:H	9	1.11
(1,1656)	1:110:A:VAL:HG21	1:115:A:LYS:H	10	1.11
(1,1656)	1:110:A:VAL:HG22	1:115:A:LYS:H	10	1.11
(1,1656)	1:110:A:VAL:HG23	1:115:A:LYS:H	10	1.11
(1,1656)	1:110:A:VAL:HG21	1:115:A:LYS:H	11	1.11
(1,1656)	1:110:A:VAL:HG22	1:115:A:LYS:H	11	1.11
(1,1656)	1:110:A:VAL:HG23	1:115:A:LYS:H	11	1.11
(1,1656)	1:110:A:VAL:HG21	1:115:A:LYS:H	16	1.11
(1,1656)	1:110:A:VAL:HG22	1:115:A:LYS:H	16	1.11
(1,1656)	1:110:A:VAL:HG23	1:115:A:LYS:H	16	1.11
(1,1612)	1:108:A:VAL:HG11	1:118:A:TRP:HB2	11	1.11
(1,1612)	1:108:A:VAL:HG12	1:118:A:TRP:HB2	11	1.11
(1,1612)	1:108:A:VAL:HG13	1:118:A:TRP:HB2	11	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1408)	1:224:B:ASN:HD22	1:226:B:ASN:H	18	1.11
(1,1407)	1:224:B:ASN:HD22	1:226:B:ASN:HD21	13	1.11
(1,1367)	1:211:B:ASP:HB2	1:214:B:ASP:H	19	1.11
(1,1324)	1:149:A:LYS:HG2	1:153:A:PRO:HD2	13	1.11
(1,1324)	1:149:A:LYS:HG3	1:153:A:PRO:HD2	13	1.11
(1,1324)	1:149:A:LYS:HG2	1:153:A:PRO:HD2	19	1.11
(1,1324)	1:149:A:LYS:HG3	1:153:A:PRO:HD2	19	1.11
(1,863)	1:209:B:PHE:HB3	1:210:B:VAL:H	11	1.11
(1,863)	1:209:B:PHE:HB3	1:210:B:VAL:H	16	1.11
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG21	4	1.11
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG22	4	1.11
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG23	4	1.11
(1,306)	1:215:B:LYS:H	1:215:B:LYS:HG3	6	1.11
(1,306)	1:215:B:LYS:H	1:215:B:LYS:HG3	12	1.11
(1,2099)	1:107:A:GLU:HA	1:258:B:ILE:HG12	12	1.1
(1,1898)	1:210:B:VAL:HG21	1:215:B:LYS:H	14	1.1
(1,1898)	1:210:B:VAL:HG22	1:215:B:LYS:H	14	1.1
(1,1898)	1:210:B:VAL:HG23	1:215:B:LYS:H	14	1.1
(1,1898)	1:210:B:VAL:HG21	1:215:B:LYS:H	17	1.1
(1,1898)	1:210:B:VAL:HG22	1:215:B:LYS:H	17	1.1
(1,1898)	1:210:B:VAL:HG23	1:215:B:LYS:H	17	1.1
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD11	7	1.1
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD12	7	1.1
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD13	7	1.1
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD11	7	1.1
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD12	7	1.1
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD13	7	1.1
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD11	7	1.1
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD12	7	1.1
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD13	7	1.1
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD11	18	1.1
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD12	18	1.1
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD13	18	1.1
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD11	18	1.1
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD12	18	1.1
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD13	18	1.1
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD11	18	1.1
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD12	18	1.1
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD13	18	1.1
(1,1656)	1:110:A:VAL:HG21	1:115:A:LYS:H	7	1.1
(1,1656)	1:110:A:VAL:HG22	1:115:A:LYS:H	7	1.1
(1,1656)	1:110:A:VAL:HG23	1:115:A:LYS:H	7	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1656)	1:110:A:VAL:HG21	1:115:A:LYS:H	12	1.1
(1,1656)	1:110:A:VAL:HG22	1:115:A:LYS:H	12	1.1
(1,1656)	1:110:A:VAL:HG23	1:115:A:LYS:H	12	1.1
(1,1656)	1:110:A:VAL:HG21	1:115:A:LYS:H	17	1.1
(1,1656)	1:110:A:VAL:HG22	1:115:A:LYS:H	17	1.1
(1,1656)	1:110:A:VAL:HG23	1:115:A:LYS:H	17	1.1
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD11	9	1.1
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD12	9	1.1
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD13	9	1.1
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD11	9	1.1
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD12	9	1.1
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD13	9	1.1
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD11	9	1.1
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD12	9	1.1
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD13	9	1.1
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD11	14	1.1
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD12	14	1.1
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD13	14	1.1
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD11	14	1.1
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD12	14	1.1
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD13	14	1.1
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD11	14	1.1
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD12	14	1.1
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD13	14	1.1
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD11	17	1.1
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD12	17	1.1
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD13	17	1.1
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD11	17	1.1
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD12	17	1.1
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD13	17	1.1
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD11	17	1.1
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD12	17	1.1
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD13	17	1.1
(1,1530)	1:249:B:LYS:HG2	1:253:B:PRO:HD2	7	1.1
(1,1530)	1:249:B:LYS:HG3	1:253:B:PRO:HD2	7	1.1
(1,1530)	1:249:B:LYS:HG2	1:253:B:PRO:HD2	11	1.1
(1,1530)	1:249:B:LYS:HG3	1:253:B:PRO:HD2	11	1.1
(1,1407)	1:224:B:ASN:HD22	1:226:B:ASN:HD21	17	1.1
(1,1324)	1:149:A:LYS:HG2	1:153:A:PRO:HD2	6	1.1
(1,1324)	1:149:A:LYS:HG3	1:153:A:PRO:HD2	6	1.1
(1,901)	1:214:B:ASP:HB3	1:215:B:LYS:HD3	1	1.1
(1,822)	1:202:B:ASN:HA	1:203:B:LYS:HB3	16	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,547)	1:109:A:PHE:HB3	1:110:A:VAL:H	14	1.1
(1,547)	1:109:A:PHE:HB3	1:110:A:VAL:H	20	1.1
(1,306)	1:215:B:LYS:H	1:215:B:LYS:HG3	3	1.1
(1,306)	1:215:B:LYS:H	1:215:B:LYS:HG3	4	1.1
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG21	2	1.1
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG22	2	1.1
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG23	2	1.1
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG21	8	1.1
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG22	8	1.1
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG23	8	1.1
(1,2340)	1:160:A:ALA:H	1:209:B:PHE:HB2	1	1.09
(1,2340)	1:160:A:ALA:H	1:209:B:PHE:HB2	7	1.09
(1,2340)	1:160:A:ALA:H	1:209:B:PHE:HB2	17	1.09
(1,2211)	1:148:A:VAL:HG11	1:229:B:ALA:HA	14	1.09
(1,2211)	1:148:A:VAL:HG12	1:229:B:ALA:HA	14	1.09
(1,2211)	1:148:A:VAL:HG13	1:229:B:ALA:HA	14	1.09
(1,2114)	1:109:A:PHE:HB2	1:260:B:ALA:H	19	1.09
(1,2037)	1:102:A:ASN:HB2	1:254:B:ASP:HB3	8	1.09
(1,1898)	1:210:B:VAL:HG21	1:215:B:LYS:H	5	1.09
(1,1898)	1:210:B:VAL:HG22	1:215:B:LYS:H	5	1.09
(1,1898)	1:210:B:VAL:HG23	1:215:B:LYS:H	5	1.09
(1,1898)	1:210:B:VAL:HG21	1:215:B:LYS:H	11	1.09
(1,1898)	1:210:B:VAL:HG22	1:215:B:LYS:H	11	1.09
(1,1898)	1:210:B:VAL:HG23	1:215:B:LYS:H	11	1.09
(1,1898)	1:210:B:VAL:HG21	1:215:B:LYS:H	13	1.09
(1,1898)	1:210:B:VAL:HG22	1:215:B:LYS:H	13	1.09
(1,1898)	1:210:B:VAL:HG23	1:215:B:LYS:H	13	1.09
(1,1898)	1:210:B:VAL:HG21	1:215:B:LYS:H	18	1.09
(1,1898)	1:210:B:VAL:HG22	1:215:B:LYS:H	18	1.09
(1,1898)	1:210:B:VAL:HG23	1:215:B:LYS:H	18	1.09
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD11	4	1.09
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD12	4	1.09
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD13	4	1.09
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD11	4	1.09
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD12	4	1.09
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD13	4	1.09
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD11	4	1.09
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD12	4	1.09
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD13	4	1.09
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD11	15	1.09
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD12	15	1.09
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD13	15	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD11	15	1.09
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD12	15	1.09
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD13	15	1.09
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD11	15	1.09
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD12	15	1.09
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD13	15	1.09
(1,1656)	1:110:A:VAL:HG21	1:115:A:LYS:H	3	1.09
(1,1656)	1:110:A:VAL:HG22	1:115:A:LYS:H	3	1.09
(1,1656)	1:110:A:VAL:HG23	1:115:A:LYS:H	3	1.09
(1,1656)	1:110:A:VAL:HG21	1:115:A:LYS:H	5	1.09
(1,1656)	1:110:A:VAL:HG22	1:115:A:LYS:H	5	1.09
(1,1656)	1:110:A:VAL:HG23	1:115:A:LYS:H	5	1.09
(1,1656)	1:110:A:VAL:HG21	1:115:A:LYS:H	15	1.09
(1,1656)	1:110:A:VAL:HG22	1:115:A:LYS:H	15	1.09
(1,1656)	1:110:A:VAL:HG23	1:115:A:LYS:H	15	1.09
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD11	12	1.09
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD12	12	1.09
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD13	12	1.09
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD11	12	1.09
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD12	12	1.09
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD13	12	1.09
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD11	12	1.09
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD12	12	1.09
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD13	12	1.09
(1,1612)	1:108:A:VAL:HG11	1:118:A:TRP:HB2	4	1.09
(1,1612)	1:108:A:VAL:HG12	1:118:A:TRP:HB2	4	1.09
(1,1612)	1:108:A:VAL:HG13	1:118:A:TRP:HB2	4	1.09
(1,1612)	1:108:A:VAL:HG11	1:118:A:TRP:HB2	6	1.09
(1,1612)	1:108:A:VAL:HG12	1:118:A:TRP:HB2	6	1.09
(1,1612)	1:108:A:VAL:HG13	1:118:A:TRP:HB2	6	1.09
(1,1595)	1:107:A:GLU:HG2	1:121:A:VAL:HB	12	1.09
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG21	14	1.09
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG22	14	1.09
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG23	14	1.09
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG21	14	1.09
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG22	14	1.09
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG23	14	1.09
(1,1407)	1:224:B:ASN:HD22	1:226:B:ASN:HD21	4	1.09
(1,1324)	1:149:A:LYS:HG2	1:153:A:PRO:HD2	3	1.09
(1,1324)	1:149:A:LYS:HG3	1:153:A:PRO:HD2	3	1.09
(1,1194)	1:123:A:ASP:H	1:126:A:ASN:HD21	1	1.09
(1,1194)	1:123:A:ASP:H	1:126:A:ASN:HD21	13	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,961)	1:224:B:ASN:HD22	1:225:B:GLY:H	15	1.09
(1,901)	1:214:B:ASP:HB3	1:215:B:LYS:HD3	17	1.09
(1,822)	1:202:B:ASN:HA	1:203:B:LYS:HB3	11	1.09
(1,765)	1:150:A:ARG:HB3	1:151:A:ASN:HB3	1	1.09
(1,547)	1:109:A:PHE:HB3	1:110:A:VAL:H	11	1.09
(1,547)	1:109:A:PHE:HB3	1:110:A:VAL:H	19	1.09
(1,506)	1:102:A:ASN:HA	1:103:A:LYS:HB3	17	1.09
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG21	1	1.09
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG22	1	1.09
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG23	1	1.09
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG21	7	1.09
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG22	7	1.09
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG23	7	1.09
(1,306)	1:215:B:LYS:H	1:215:B:LYS:HG3	9	1.09
(1,306)	1:215:B:LYS:H	1:215:B:LYS:HG3	19	1.09
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG21	18	1.09
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG22	18	1.09
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG23	18	1.09
(1,54)	1:115:A:LYS:H	1:115:A:LYS:HG3	4	1.09
(1,2114)	1:109:A:PHE:HB2	1:260:B:ALA:H	9	1.08
(1,1898)	1:210:B:VAL:HG21	1:215:B:LYS:H	1	1.08
(1,1898)	1:210:B:VAL:HG22	1:215:B:LYS:H	1	1.08
(1,1898)	1:210:B:VAL:HG23	1:215:B:LYS:H	1	1.08
(1,1898)	1:210:B:VAL:HG21	1:215:B:LYS:H	7	1.08
(1,1898)	1:210:B:VAL:HG22	1:215:B:LYS:H	7	1.08
(1,1898)	1:210:B:VAL:HG23	1:215:B:LYS:H	7	1.08
(1,1898)	1:210:B:VAL:HG21	1:215:B:LYS:H	10	1.08
(1,1898)	1:210:B:VAL:HG22	1:215:B:LYS:H	10	1.08
(1,1898)	1:210:B:VAL:HG23	1:215:B:LYS:H	10	1.08
(1,1854)	1:208:B:VAL:HG11	1:218:B:TRP:HB2	10	1.08
(1,1854)	1:208:B:VAL:HG12	1:218:B:TRP:HB2	10	1.08
(1,1854)	1:208:B:VAL:HG13	1:218:B:TRP:HB2	10	1.08
(1,1656)	1:110:A:VAL:HG21	1:115:A:LYS:H	13	1.08
(1,1656)	1:110:A:VAL:HG22	1:115:A:LYS:H	13	1.08
(1,1656)	1:110:A:VAL:HG23	1:115:A:LYS:H	13	1.08
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD11	8	1.08
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD12	8	1.08
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD13	8	1.08
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD11	8	1.08
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD12	8	1.08
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD13	8	1.08
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD11	8	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD12	8	1.08
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD13	8	1.08
(1,1323)	1:149:A:LYS:HA	1:153:A:PRO:HG2	8	1.08
(1,1002)	1:233:B:GLU:HB2	1:234:B:GLY:H	6	1.08
(1,961)	1:224:B:ASN:HD22	1:225:B:GLY:H	14	1.08
(1,961)	1:224:B:ASN:HD22	1:225:B:GLY:H	20	1.08
(1,901)	1:214:B:ASP:HB3	1:215:B:LYS:HD3	7	1.08
(1,863)	1:209:B:PHE:HB3	1:210:B:VAL:H	4	1.08
(1,863)	1:209:B:PHE:HB3	1:210:B:VAL:H	6	1.08
(1,863)	1:209:B:PHE:HB3	1:210:B:VAL:H	9	1.08
(1,822)	1:202:B:ASN:HA	1:203:B:LYS:HB3	6	1.08
(1,645)	1:124:A:ASN:HD22	1:125:A:GLY:H	14	1.08
(1,585)	1:114:A:ASP:HB3	1:115:A:LYS:HD3	1	1.08
(1,547)	1:109:A:PHE:HB3	1:110:A:VAL:H	17	1.08
(1,547)	1:109:A:PHE:HB3	1:110:A:VAL:H	18	1.08
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG21	17	1.08
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG22	17	1.08
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG23	17	1.08
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG21	19	1.08
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG22	19	1.08
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG23	19	1.08
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG21	4	1.08
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG22	4	1.08
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG23	4	1.08
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG21	5	1.08
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG22	5	1.08
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG23	5	1.08
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG21	6	1.08
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG22	6	1.08
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG23	6	1.08
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG21	11	1.08
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG22	11	1.08
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG23	11	1.08
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG21	14	1.08
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG22	14	1.08
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG23	14	1.08
(1,2340)	1:160:A:ALA:H	1:209:B:PHE:HB2	15	1.07
(1,2340)	1:160:A:ALA:H	1:209:B:PHE:HB2	19	1.07
(1,2211)	1:148:A:VAL:HG11	1:229:B:ALA:HA	15	1.07
(1,2211)	1:148:A:VAL:HG12	1:229:B:ALA:HA	15	1.07
(1,2211)	1:148:A:VAL:HG13	1:229:B:ALA:HA	15	1.07
(1,2114)	1:109:A:PHE:HB2	1:260:B:ALA:H	2	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2114)	1:109:A:PHE:HB2	1:260:B:ALA:H	16	1.07
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD11	13	1.07
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD12	13	1.07
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD13	13	1.07
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD11	13	1.07
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD12	13	1.07
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD13	13	1.07
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD11	13	1.07
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD12	13	1.07
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD13	13	1.07
(1,1530)	1:249:B:LYS:HG2	1:253:B:PRO:HD2	16	1.07
(1,1530)	1:249:B:LYS:HG3	1:253:B:PRO:HD2	16	1.07
(1,1451)	1:239:B:GLN:HA	1:242:B:LYS:HG2	19	1.07
(1,1408)	1:224:B:ASN:HD22	1:226:B:ASN:H	2	1.07
(1,1346)	1:202:B:ASN:HD22	1:205:B:HIS:HB2	14	1.07
(1,1201)	1:124:A:ASN:HD22	1:126:A:ASN:HD21	9	1.07
(1,1201)	1:124:A:ASN:HD22	1:126:A:ASN:HD21	11	1.07
(1,1194)	1:123:A:ASP:H	1:126:A:ASN:HD21	7	1.07
(1,1194)	1:123:A:ASP:H	1:126:A:ASN:HD21	19	1.07
(1,1161)	1:111:A:ASP:HB2	1:114:A:ASP:H	2	1.07
(1,1140)	1:102:A:ASN:HD22	1:105:A:HIS:HB2	8	1.07
(1,961)	1:224:B:ASN:HD22	1:225:B:GLY:H	2	1.07
(1,961)	1:224:B:ASN:HD22	1:225:B:GLY:H	9	1.07
(1,822)	1:202:B:ASN:HA	1:203:B:LYS:HB3	4	1.07
(1,822)	1:202:B:ASN:HA	1:203:B:LYS:HB3	12	1.07
(1,822)	1:202:B:ASN:HA	1:203:B:LYS:HB3	18	1.07
(1,686)	1:133:A:GLU:HB2	1:134:A:GLY:H	9	1.07
(1,645)	1:124:A:ASN:HD22	1:125:A:GLY:H	13	1.07
(1,547)	1:109:A:PHE:HB3	1:110:A:VAL:H	1	1.07
(1,547)	1:109:A:PHE:HB3	1:110:A:VAL:H	7	1.07
(1,547)	1:109:A:PHE:HB3	1:110:A:VAL:H	16	1.07
(1,506)	1:102:A:ASN:HA	1:103:A:LYS:HB3	8	1.07
(1,506)	1:102:A:ASN:HA	1:103:A:LYS:HB3	11	1.07
(1,506)	1:102:A:ASN:HA	1:103:A:LYS:HB3	14	1.07
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG21	6	1.07
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG22	6	1.07
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG23	6	1.07
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG21	8	1.07
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG22	8	1.07
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG23	8	1.07
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG21	9	1.07
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG22	9	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG23	9	1.07
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG21	16	1.07
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG22	16	1.07
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG23	16	1.07
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG21	20	1.07
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG22	20	1.07
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG23	20	1.07
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG21	3	1.07
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG22	3	1.07
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG23	3	1.07
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG21	10	1.07
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG22	10	1.07
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG23	10	1.07
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG21	13	1.07
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG22	13	1.07
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG23	13	1.07
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG21	15	1.07
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG22	15	1.07
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG23	15	1.07
(1,54)	1:115:A:LYS:H	1:115:A:LYS:HG3	6	1.07
(1,2340)	1:160:A:ALA:H	1:209:B:PHE:HB2	20	1.06
(1,2114)	1:109:A:PHE:HB2	1:260:B:ALA:H	5	1.06
(1,1837)	1:207:B:GLU:HG2	1:221:B:VAL:HB	14	1.06
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG21	12	1.06
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG22	12	1.06
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG23	12	1.06
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG21	12	1.06
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG22	12	1.06
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG23	12	1.06
(1,1408)	1:224:B:ASN:HD22	1:226:B:ASN:H	15	1.06
(1,1400)	1:223:B:ASP:H	1:226:B:ASN:HD21	9	1.06
(1,1400)	1:223:B:ASP:H	1:226:B:ASN:HD21	17	1.06
(1,1244)	1:139:A:GLN:HA	1:142:A:LYS:HB3	17	1.06
(1,1202)	1:124:A:ASN:HD22	1:126:A:ASN:H	10	1.06
(1,1202)	1:124:A:ASN:HD22	1:126:A:ASN:H	13	1.06
(1,1201)	1:124:A:ASN:HD22	1:126:A:ASN:HD21	15	1.06
(1,1107)	1:253:B:PRO:HD3	1:254:B:ASP:H	7	1.06
(1,1002)	1:233:B:GLU:HB2	1:234:B:GLY:H	9	1.06
(1,961)	1:224:B:ASN:HD22	1:225:B:GLY:H	8	1.06
(1,961)	1:224:B:ASN:HD22	1:225:B:GLY:H	19	1.06
(1,863)	1:209:B:PHE:HB3	1:210:B:VAL:H	5	1.06
(1,863)	1:209:B:PHE:HB3	1:210:B:VAL:H	8	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,822)	1:202:B:ASN:HA	1:203:B:LYS:HB3	14	1.06
(1,645)	1:124:A:ASN:HD22	1:125:A:GLY:H	8	1.06
(1,645)	1:124:A:ASN:HD22	1:125:A:GLY:H	16	1.06
(1,585)	1:114:A:ASP:HB3	1:115:A:LYS:HD3	10	1.06
(1,547)	1:109:A:PHE:HB3	1:110:A:VAL:H	6	1.06
(1,547)	1:109:A:PHE:HB3	1:110:A:VAL:H	8	1.06
(1,547)	1:109:A:PHE:HB3	1:110:A:VAL:H	13	1.06
(1,506)	1:102:A:ASN:HA	1:103:A:LYS:HB3	2	1.06
(1,506)	1:102:A:ASN:HA	1:103:A:LYS:HB3	4	1.06
(1,506)	1:102:A:ASN:HA	1:103:A:LYS:HB3	9	1.06
(1,506)	1:102:A:ASN:HA	1:103:A:LYS:HB3	12	1.06
(1,506)	1:102:A:ASN:HA	1:103:A:LYS:HB3	16	1.06
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG21	2	1.06
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG22	2	1.06
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG23	2	1.06
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG21	5	1.06
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG22	5	1.06
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG23	5	1.06
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG21	12	1.06
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG22	12	1.06
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG23	12	1.06
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG21	14	1.06
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG22	14	1.06
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG23	14	1.06
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG21	18	1.06
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG22	18	1.06
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG23	18	1.06
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG21	12	1.06
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG22	12	1.06
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG23	12	1.06
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG21	16	1.06
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG22	16	1.06
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG23	16	1.06
(1,54)	1:115:A:LYS:H	1:115:A:LYS:HG3	2	1.06
(1,2340)	1:160:A:ALA:H	1:209:B:PHE:HB2	2	1.05
(1,2340)	1:160:A:ALA:H	1:209:B:PHE:HB2	3	1.05
(1,2340)	1:160:A:ALA:H	1:209:B:PHE:HB2	11	1.05
(1,2037)	1:102:A:ASN:HB2	1:254:B:ASP:HB3	9	1.05
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD11	17	1.05
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD12	17	1.05
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD13	17	1.05
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD11	17	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD12	17	1.05
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD13	17	1.05
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD11	17	1.05
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD12	17	1.05
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD13	17	1.05
(1,1857)	1:208:B:VAL:HG11	1:219:B:ARG:H	9	1.05
(1,1857)	1:208:B:VAL:HG12	1:219:B:ARG:H	9	1.05
(1,1857)	1:208:B:VAL:HG13	1:219:B:ARG:H	9	1.05
(1,1450)	1:239:B:GLN:HA	1:242:B:LYS:HB3	20	1.05
(1,1408)	1:224:B:ASN:HD22	1:226:B:ASN:H	3	1.05
(1,1408)	1:224:B:ASN:HD22	1:226:B:ASN:H	14	1.05
(1,1400)	1:223:B:ASP:H	1:226:B:ASN:HD21	7	1.05
(1,1194)	1:123:A:ASP:H	1:126:A:ASN:HD21	15	1.05
(1,1140)	1:102:A:ASN:HD22	1:105:A:HIS:HB2	20	1.05
(1,961)	1:224:B:ASN:HD22	1:225:B:GLY:H	5	1.05
(1,961)	1:224:B:ASN:HD22	1:225:B:GLY:H	11	1.05
(1,961)	1:224:B:ASN:HD22	1:225:B:GLY:H	12	1.05
(1,863)	1:209:B:PHE:HB3	1:210:B:VAL:H	3	1.05
(1,863)	1:209:B:PHE:HB3	1:210:B:VAL:H	7	1.05
(1,863)	1:209:B:PHE:HB3	1:210:B:VAL:H	14	1.05
(1,863)	1:209:B:PHE:HB3	1:210:B:VAL:H	18	1.05
(1,822)	1:202:B:ASN:HA	1:203:B:LYS:HB3	15	1.05
(1,645)	1:124:A:ASN:HD22	1:125:A:GLY:H	5	1.05
(1,645)	1:124:A:ASN:HD22	1:125:A:GLY:H	19	1.05
(1,585)	1:114:A:ASP:HB3	1:115:A:LYS:HD3	3	1.05
(1,547)	1:109:A:PHE:HB3	1:110:A:VAL:H	2	1.05
(1,547)	1:109:A:PHE:HB3	1:110:A:VAL:H	9	1.05
(1,547)	1:109:A:PHE:HB3	1:110:A:VAL:H	10	1.05
(1,547)	1:109:A:PHE:HB3	1:110:A:VAL:H	12	1.05
(1,506)	1:102:A:ASN:HA	1:103:A:LYS:HB3	1	1.05
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG21	10	1.05
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG22	10	1.05
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG23	10	1.05
(1,260)	1:203:B:LYS:H	1:203:B:LYS:HB3	15	1.05
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG21	1	1.05
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG22	1	1.05
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG23	1	1.05
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG21	7	1.05
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG22	7	1.05
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG23	7	1.05
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG21	9	1.05
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG22	9	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG23	9	1.05
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG21	19	1.05
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG22	19	1.05
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG23	19	1.05
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG21	20	1.05
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG22	20	1.05
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG23	20	1.05
(1,1837)	1:207:B:GLU:HG2	1:221:B:VAL:HB	11	1.04
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD11	2	1.04
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD12	2	1.04
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD13	2	1.04
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD11	2	1.04
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD12	2	1.04
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD13	2	1.04
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD11	2	1.04
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD12	2	1.04
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD13	2	1.04
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD11	6	1.04
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD12	6	1.04
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD13	6	1.04
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD11	6	1.04
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD12	6	1.04
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD13	6	1.04
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD11	6	1.04
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD12	6	1.04
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD13	6	1.04
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD11	11	1.04
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD12	11	1.04
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD13	11	1.04
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD11	11	1.04
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD12	11	1.04
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD13	11	1.04
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD11	11	1.04
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD12	11	1.04
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD13	11	1.04
(1,1615)	1:108:A:VAL:HG11	1:119:A:ARG:H	1	1.04
(1,1615)	1:108:A:VAL:HG12	1:119:A:ARG:H	1	1.04
(1,1615)	1:108:A:VAL:HG13	1:119:A:ARG:H	1	1.04
(1,1529)	1:249:B:LYS:HA	1:253:B:PRO:HG2	13	1.04
(1,1408)	1:224:B:ASN:HD22	1:226:B:ASN:H	1	1.04
(1,1400)	1:223:B:ASP:H	1:226:B:ASN:HD21	13	1.04
(1,1367)	1:211:B:ASP:HB2	1:214:B:ASP:H	2	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1244)	1:139:A:GLN:HA	1:142:A:LYS:HB3	12	1.04
(1,1202)	1:124:A:ASN:HD22	1:126:A:ASN:H	14	1.04
(1,1202)	1:124:A:ASN:HD22	1:126:A:ASN:H	17	1.04
(1,1201)	1:124:A:ASN:HD22	1:126:A:ASN:HD21	18	1.04
(1,1194)	1:123:A:ASP:H	1:126:A:ASN:HD21	12	1.04
(1,1002)	1:233:B:GLU:HB2	1:234:B:GLY:H	8	1.04
(1,961)	1:224:B:ASN:HD22	1:225:B:GLY:H	16	1.04
(1,863)	1:209:B:PHE:HB3	1:210:B:VAL:H	1	1.04
(1,863)	1:209:B:PHE:HB3	1:210:B:VAL:H	12	1.04
(1,863)	1:209:B:PHE:HB3	1:210:B:VAL:H	15	1.04
(1,863)	1:209:B:PHE:HB3	1:210:B:VAL:H	19	1.04
(1,822)	1:202:B:ASN:HA	1:203:B:LYS:HB3	2	1.04
(1,822)	1:202:B:ASN:HA	1:203:B:LYS:HB3	8	1.04
(1,822)	1:202:B:ASN:HA	1:203:B:LYS:HB3	17	1.04
(1,822)	1:202:B:ASN:HA	1:203:B:LYS:HB3	20	1.04
(1,791)	1:153:A:PRO:HD3	1:154:A:ASP:H	3	1.04
(1,791)	1:153:A:PRO:HD3	1:154:A:ASP:H	13	1.04
(1,686)	1:133:A:GLU:HB2	1:134:A:GLY:H	13	1.04
(1,645)	1:124:A:ASN:HD22	1:125:A:GLY:H	1	1.04
(1,645)	1:124:A:ASN:HD22	1:125:A:GLY:H	2	1.04
(1,645)	1:124:A:ASN:HD22	1:125:A:GLY:H	6	1.04
(1,645)	1:124:A:ASN:HD22	1:125:A:GLY:H	12	1.04
(1,645)	1:124:A:ASN:HD22	1:125:A:GLY:H	15	1.04
(1,547)	1:109:A:PHE:HB3	1:110:A:VAL:H	5	1.04
(1,506)	1:102:A:ASN:HA	1:103:A:LYS:HB3	13	1.04
(1,506)	1:102:A:ASN:HA	1:103:A:LYS:HB3	19	1.04
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG21	3	1.04
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG22	3	1.04
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG23	3	1.04
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG21	11	1.04
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG22	11	1.04
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG23	11	1.04
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG21	13	1.04
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG22	13	1.04
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG23	13	1.04
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG21	15	1.04
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG22	15	1.04
(1,459)	1:248:B:VAL:H	1:248:B:VAL:HG23	15	1.04
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG21	17	1.04
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG22	17	1.04
(1,207)	1:148:A:VAL:H	1:148:A:VAL:HG23	17	1.04
(1,8)	1:103:A:LYS:H	1:103:A:LYS:HB3	8	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2340)	1:160:A:ALA:H	1:209:B:PHE:HB2	4	1.03
(1,2211)	1:148:A:VAL:HG11	1:229:B:ALA:HA	4	1.03
(1,2211)	1:148:A:VAL:HG12	1:229:B:ALA:HA	4	1.03
(1,2211)	1:148:A:VAL:HG13	1:229:B:ALA:HA	4	1.03
(1,2114)	1:109:A:PHE:HB2	1:260:B:ALA:H	1	1.03
(1,2114)	1:109:A:PHE:HB2	1:260:B:ALA:H	12	1.03
(1,2062)	1:105:A:HIS:HA	1:258:B:ILE:HG12	10	1.03
(1,1857)	1:208:B:VAL:HG11	1:219:B:ARG:H	7	1.03
(1,1857)	1:208:B:VAL:HG12	1:219:B:ARG:H	7	1.03
(1,1857)	1:208:B:VAL:HG13	1:219:B:ARG:H	7	1.03
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD11	5	1.03
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD12	5	1.03
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD13	5	1.03
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD11	5	1.03
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD12	5	1.03
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD13	5	1.03
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD11	5	1.03
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD12	5	1.03
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD13	5	1.03
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG21	16	1.03
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG22	16	1.03
(1,1588)	1:106:A:PHE:HD1	1:148:A:VAL:HG23	16	1.03
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG21	16	1.03
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG22	16	1.03
(1,1588)	1:106:A:PHE:HD2	1:148:A:VAL:HG23	16	1.03
(1,1408)	1:224:B:ASN:HD22	1:226:B:ASN:H	6	1.03
(1,1408)	1:224:B:ASN:HD22	1:226:B:ASN:H	9	1.03
(1,1400)	1:223:B:ASP:H	1:226:B:ASN:HD21	4	1.03
(1,1400)	1:223:B:ASP:H	1:226:B:ASN:HD21	10	1.03
(1,1400)	1:223:B:ASP:H	1:226:B:ASN:HD21	12	1.03
(1,1400)	1:223:B:ASP:H	1:226:B:ASN:HD21	16	1.03
(1,1346)	1:202:B:ASN:HD22	1:205:B:HIS:HB2	8	1.03
(1,1202)	1:124:A:ASN:HD22	1:126:A:ASN:H	12	1.03
(1,1202)	1:124:A:ASN:HD22	1:126:A:ASN:H	16	1.03
(1,1194)	1:123:A:ASP:H	1:126:A:ASN:HD21	9	1.03
(1,1144)	1:109:A:PHE:HE1	1:111:A:ASP:HB3	4	1.03
(1,1144)	1:109:A:PHE:HE2	1:111:A:ASP:HB3	4	1.03
(1,1107)	1:253:B:PRO:HD3	1:254:B:ASP:H	14	1.03
(1,1107)	1:253:B:PRO:HD3	1:254:B:ASP:H	18	1.03
(1,1107)	1:253:B:PRO:HD3	1:254:B:ASP:H	20	1.03
(1,1002)	1:233:B:GLU:HB2	1:234:B:GLY:H	3	1.03
(1,1002)	1:233:B:GLU:HB2	1:234:B:GLY:H	15	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,961)	1:224:B:ASN:HD22	1:225:B:GLY:H	6	1.03
(1,961)	1:224:B:ASN:HD22	1:225:B:GLY:H	10	1.03
(1,863)	1:209:B:PHE:HB3	1:210:B:VAL:H	17	1.03
(1,822)	1:202:B:ASN:HA	1:203:B:LYS:HB3	9	1.03
(1,822)	1:202:B:ASN:HA	1:203:B:LYS:HB3	13	1.03
(1,686)	1:133:A:GLU:HB2	1:134:A:GLY:H	3	1.03
(1,645)	1:124:A:ASN:HD22	1:125:A:GLY:H	7	1.03
(1,547)	1:109:A:PHE:HB3	1:110:A:VAL:H	3	1.03
(1,506)	1:102:A:ASN:HA	1:103:A:LYS:HB3	6	1.03
(1,8)	1:103:A:LYS:H	1:103:A:LYS:HB3	3	1.03
(1,2114)	1:109:A:PHE:HB2	1:260:B:ALA:H	6	1.02
(1,2062)	1:105:A:HIS:HA	1:258:B:ILE:HG12	6	1.02
(1,1894)	1:210:B:VAL:HG11	1:216:B:TYR:HA	18	1.02
(1,1894)	1:210:B:VAL:HG12	1:216:B:TYR:HA	18	1.02
(1,1894)	1:210:B:VAL:HG13	1:216:B:TYR:HA	18	1.02
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD11	5	1.02
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD12	5	1.02
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD13	5	1.02
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD11	5	1.02
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD12	5	1.02
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD13	5	1.02
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD11	5	1.02
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD12	5	1.02
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD13	5	1.02
(1,1837)	1:207:B:GLU:HG2	1:221:B:VAL:HB	20	1.02
(1,1615)	1:108:A:VAL:HG11	1:119:A:ARG:H	16	1.02
(1,1615)	1:108:A:VAL:HG12	1:119:A:ARG:H	16	1.02
(1,1615)	1:108:A:VAL:HG13	1:119:A:ARG:H	16	1.02
(1,1426)	1:231:B:SER:HA	1:233:B:GLU:HB3	4	1.02
(1,1408)	1:224:B:ASN:HD22	1:226:B:ASN:H	5	1.02
(1,1408)	1:224:B:ASN:HD22	1:226:B:ASN:H	12	1.02
(1,1400)	1:223:B:ASP:H	1:226:B:ASN:HD21	19	1.02
(1,1367)	1:211:B:ASP:HB2	1:214:B:ASP:H	12	1.02
(1,1202)	1:124:A:ASN:HD22	1:126:A:ASN:H	5	1.02
(1,1202)	1:124:A:ASN:HD22	1:126:A:ASN:H	8	1.02
(1,1202)	1:124:A:ASN:HD22	1:126:A:ASN:H	19	1.02
(1,1194)	1:123:A:ASP:H	1:126:A:ASN:HD21	2	1.02
(1,1194)	1:123:A:ASP:H	1:126:A:ASN:HD21	4	1.02
(1,1194)	1:123:A:ASP:H	1:126:A:ASN:HD21	8	1.02
(1,1194)	1:123:A:ASP:H	1:126:A:ASN:HD21	20	1.02
(1,1002)	1:233:B:GLU:HB2	1:234:B:GLY:H	12	1.02
(1,961)	1:224:B:ASN:HD22	1:225:B:GLY:H	4	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,961)	1:224:B:ASN:HD22	1:225:B:GLY:H	13	1.02
(1,961)	1:224:B:ASN:HD22	1:225:B:GLY:H	18	1.02
(1,822)	1:202:B:ASN:HA	1:203:B:LYS:HB3	1	1.02
(1,822)	1:202:B:ASN:HA	1:203:B:LYS:HB3	10	1.02
(1,547)	1:109:A:PHE:HB3	1:110:A:VAL:H	4	1.02
(1,507)	1:102:A:ASN:HA	1:103:A:LYS:HG3	5	1.02
(1,506)	1:102:A:ASN:HA	1:103:A:LYS:HB3	15	1.02
(1,506)	1:102:A:ASN:HA	1:103:A:LYS:HB3	18	1.02
(1,506)	1:102:A:ASN:HA	1:103:A:LYS:HB3	20	1.02
(1,483)	1:254:B:ASP:H	1:254:B:ASP:HB3	5	1.02
(1,483)	1:254:B:ASP:H	1:254:B:ASP:HB3	7	1.02
(1,260)	1:203:B:LYS:H	1:203:B:LYS:HB3	18	1.02
(1,260)	1:203:B:LYS:H	1:203:B:LYS:HB3	20	1.02
(1,231)	1:154:A:ASP:H	1:154:A:ASP:HB3	3	1.02
(1,8)	1:103:A:LYS:H	1:103:A:LYS:HB3	9	1.02
(1,2114)	1:109:A:PHE:HB2	1:260:B:ALA:H	3	1.01
(1,1857)	1:208:B:VAL:HG11	1:219:B:ARG:H	13	1.01
(1,1857)	1:208:B:VAL:HG12	1:219:B:ARG:H	13	1.01
(1,1857)	1:208:B:VAL:HG13	1:219:B:ARG:H	13	1.01
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD11	20	1.01
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD12	20	1.01
(1,1616)	1:108:A:VAL:HG11	1:145:A:ILE:HD13	20	1.01
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD11	20	1.01
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD12	20	1.01
(1,1616)	1:108:A:VAL:HG12	1:145:A:ILE:HD13	20	1.01
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD11	20	1.01
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD12	20	1.01
(1,1616)	1:108:A:VAL:HG13	1:145:A:ILE:HD13	20	1.01
(1,1408)	1:224:B:ASN:HD22	1:226:B:ASN:H	8	1.01
(1,1408)	1:224:B:ASN:HD22	1:226:B:ASN:H	20	1.01
(1,1400)	1:223:B:ASP:H	1:226:B:ASN:HD21	6	1.01
(1,1194)	1:123:A:ASP:H	1:126:A:ASN:HD21	11	1.01
(1,1194)	1:123:A:ASP:H	1:126:A:ASN:HD21	16	1.01
(1,1144)	1:109:A:PHE:HE1	1:111:A:ASP:HB3	19	1.01
(1,1144)	1:109:A:PHE:HE2	1:111:A:ASP:HB3	19	1.01
(1,1107)	1:253:B:PRO:HD3	1:254:B:ASP:H	13	1.01
(1,1002)	1:233:B:GLU:HB2	1:234:B:GLY:H	13	1.01
(1,961)	1:224:B:ASN:HD22	1:225:B:GLY:H	7	1.01
(1,961)	1:224:B:ASN:HD22	1:225:B:GLY:H	17	1.01
(1,863)	1:209:B:PHE:HB3	1:210:B:VAL:H	20	1.01
(1,822)	1:202:B:ASN:HA	1:203:B:LYS:HB3	7	1.01
(1,791)	1:153:A:PRO:HD3	1:154:A:ASP:H	18	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,654)	1:126:A:ASN:HD22	1:127:A:ILE:H	10	1.01
(1,645)	1:124:A:ASN:HD22	1:125:A:GLY:H	10	1.01
(1,547)	1:109:A:PHE:HB3	1:110:A:VAL:H	15	1.01
(1,506)	1:102:A:ASN:HA	1:103:A:LYS:HB3	3	1.01
(1,260)	1:203:B:LYS:H	1:203:B:LYS:HB3	2	1.01
(1,260)	1:203:B:LYS:H	1:203:B:LYS:HB3	4	1.01
(1,260)	1:203:B:LYS:H	1:203:B:LYS:HB3	8	1.01
(1,260)	1:203:B:LYS:H	1:203:B:LYS:HB3	12	1.01
(1,8)	1:103:A:LYS:H	1:103:A:LYS:HB3	20	1.01
(1,2340)	1:160:A:ALA:H	1:209:B:PHE:HB2	16	1.0
(1,2320)	1:158:A:ILE:HG12	1:205:B:HIS:HA	2	1.0
(1,2320)	1:158:A:ILE:HG12	1:205:B:HIS:HA	7	1.0
(1,2320)	1:158:A:ILE:HG12	1:205:B:HIS:HA	10	1.0
(1,2320)	1:158:A:ILE:HG12	1:205:B:HIS:HA	11	1.0
(1,2114)	1:109:A:PHE:HB2	1:260:B:ALA:H	20	1.0
(1,2063)	1:105:A:HIS:HB3	1:256:B:ASP:HA	4	1.0
(1,2062)	1:105:A:HIS:HA	1:258:B:ILE:HG12	4	1.0
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD11	10	1.0
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD12	10	1.0
(1,1858)	1:208:B:VAL:HG11	1:245:B:ILE:HD13	10	1.0
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD11	10	1.0
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD12	10	1.0
(1,1858)	1:208:B:VAL:HG12	1:245:B:ILE:HD13	10	1.0
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD11	10	1.0
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD12	10	1.0
(1,1858)	1:208:B:VAL:HG13	1:245:B:ILE:HD13	10	1.0
(1,1857)	1:208:B:VAL:HG11	1:219:B:ARG:H	14	1.0
(1,1857)	1:208:B:VAL:HG12	1:219:B:ARG:H	14	1.0
(1,1857)	1:208:B:VAL:HG13	1:219:B:ARG:H	14	1.0
(1,1837)	1:207:B:GLU:HG2	1:221:B:VAL:HB	1	1.0
(1,1837)	1:207:B:GLU:HG2	1:221:B:VAL:HB	8	1.0
(1,1529)	1:249:B:LYS:HA	1:253:B:PRO:HG2	10	1.0
(1,1408)	1:224:B:ASN:HD22	1:226:B:ASN:H	11	1.0
(1,1400)	1:223:B:ASP:H	1:226:B:ASN:HD21	5	1.0
(1,1346)	1:202:B:ASN:HD22	1:205:B:HIS:HB2	18	1.0
(1,1202)	1:124:A:ASN:HD22	1:126:A:ASN:H	2	1.0
(1,1194)	1:123:A:ASP:H	1:126:A:ASN:HD21	3	1.0
(1,1194)	1:123:A:ASP:H	1:126:A:ASN:HD21	5	1.0
(1,1107)	1:253:B:PRO:HD3	1:254:B:ASP:H	1	1.0
(1,1107)	1:253:B:PRO:HD3	1:254:B:ASP:H	9	1.0
(1,1107)	1:253:B:PRO:HD3	1:254:B:ASP:H	11	1.0
(1,961)	1:224:B:ASN:HD22	1:225:B:GLY:H	1	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,863)	1:209:B:PHE:HB3	1:210:B:VAL:H	13	1.0
(1,791)	1:153:A:PRO:HD3	1:154:A:ASP:H	6	1.0
(1,686)	1:133:A:GLU:HB2	1:134:A:GLY:H	18	1.0
(1,686)	1:133:A:GLU:HB2	1:134:A:GLY:H	19	1.0
(1,645)	1:124:A:ASN:HD22	1:125:A:GLY:H	4	1.0
(1,645)	1:124:A:ASN:HD22	1:125:A:GLY:H	9	1.0
(1,645)	1:124:A:ASN:HD22	1:125:A:GLY:H	11	1.0
(1,260)	1:203:B:LYS:H	1:203:B:LYS:HB3	10	1.0
(1,231)	1:154:A:ASP:H	1:154:A:ASP:HB3	1	1.0
(1,231)	1:154:A:ASP:H	1:154:A:ASP:HB3	9	1.0
(1,231)	1:154:A:ASP:H	1:154:A:ASP:HB3	13	1.0
(1,8)	1:103:A:LYS:H	1:103:A:LYS:HB3	1	1.0
(1,2340)	1:160:A:ALA:H	1:209:B:PHE:HB2	18	0.99
(1,2320)	1:158:A:ILE:HG12	1:205:B:HIS:HA	14	0.99
(1,2211)	1:148:A:VAL:HG11	1:229:B:ALA:HA	6	0.99
(1,2211)	1:148:A:VAL:HG12	1:229:B:ALA:HA	6	0.99
(1,2211)	1:148:A:VAL:HG13	1:229:B:ALA:HA	6	0.99
(1,2211)	1:148:A:VAL:HG11	1:229:B:ALA:HA	12	0.99
(1,2211)	1:148:A:VAL:HG12	1:229:B:ALA:HA	12	0.99
(1,2211)	1:148:A:VAL:HG13	1:229:B:ALA:HA	12	0.99
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG11	2	0.99
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG12	2	0.99
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG13	2	0.99
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG11	11	0.99
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG12	11	0.99
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG13	11	0.99
(1,2114)	1:109:A:PHE:HB2	1:260:B:ALA:H	18	0.99
(1,1857)	1:208:B:VAL:HG11	1:219:B:ARG:H	1	0.99
(1,1857)	1:208:B:VAL:HG12	1:219:B:ARG:H	1	0.99
(1,1857)	1:208:B:VAL:HG13	1:219:B:ARG:H	1	0.99
(1,1857)	1:208:B:VAL:HG11	1:219:B:ARG:H	4	0.99
(1,1857)	1:208:B:VAL:HG12	1:219:B:ARG:H	4	0.99
(1,1857)	1:208:B:VAL:HG13	1:219:B:ARG:H	4	0.99
(1,1857)	1:208:B:VAL:HG11	1:219:B:ARG:H	15	0.99
(1,1857)	1:208:B:VAL:HG12	1:219:B:ARG:H	15	0.99
(1,1857)	1:208:B:VAL:HG13	1:219:B:ARG:H	15	0.99
(1,1595)	1:107:A:GLU:HG2	1:121:A:VAL:HB	1	0.99
(1,1595)	1:107:A:GLU:HG2	1:121:A:VAL:HB	4	0.99
(1,1408)	1:224:B:ASN:HD22	1:226:B:ASN:H	19	0.99
(1,1400)	1:223:B:ASP:H	1:226:B:ASN:HD21	8	0.99
(1,1367)	1:211:B:ASP:HB2	1:214:B:ASP:H	3	0.99
(1,1202)	1:124:A:ASN:HD22	1:126:A:ASN:H	1	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1202)	1:124:A:ASN:HD22	1:126:A:ASN:H	6	0.99
(1,1194)	1:123:A:ASP:H	1:126:A:ASN:HD21	6	0.99
(1,1194)	1:123:A:ASP:H	1:126:A:ASN:HD21	14	0.99
(1,1161)	1:111:A:ASP:HB2	1:114:A:ASP:H	4	0.99
(1,1107)	1:253:B:PRO:HD3	1:254:B:ASP:H	3	0.99
(1,1107)	1:253:B:PRO:HD3	1:254:B:ASP:H	15	0.99
(1,1002)	1:233:B:GLU:HB2	1:234:B:GLY:H	11	0.99
(1,961)	1:224:B:ASN:HD22	1:225:B:GLY:H	3	0.99
(1,863)	1:209:B:PHE:HB3	1:210:B:VAL:H	2	0.99
(1,791)	1:153:A:PRO:HD3	1:154:A:ASP:H	14	0.99
(1,791)	1:153:A:PRO:HD3	1:154:A:ASP:H	20	0.99
(1,686)	1:133:A:GLU:HB2	1:134:A:GLY:H	11	0.99
(1,654)	1:126:A:ASN:HD22	1:127:A:ILE:H	17	0.99
(1,645)	1:124:A:ASN:HD22	1:125:A:GLY:H	17	0.99
(1,563)	1:110:A:VAL:HG21	1:111:A:ASP:H	3	0.99
(1,563)	1:110:A:VAL:HG22	1:111:A:ASP:H	3	0.99
(1,563)	1:110:A:VAL:HG23	1:111:A:ASP:H	3	0.99
(1,483)	1:254:B:ASP:H	1:254:B:ASP:HB3	3	0.99
(1,483)	1:254:B:ASP:H	1:254:B:ASP:HB3	18	0.99
(1,483)	1:254:B:ASP:H	1:254:B:ASP:HB3	20	0.99
(1,382)	1:233:B:GLU:H	1:233:B:GLU:HB3	16	0.99
(1,260)	1:203:B:LYS:H	1:203:B:LYS:HB3	11	0.99
(1,260)	1:203:B:LYS:H	1:203:B:LYS:HB3	14	0.99
(1,231)	1:154:A:ASP:H	1:154:A:ASP:HB3	15	0.99
(1,231)	1:154:A:ASP:H	1:154:A:ASP:HB3	18	0.99
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG11	7	0.98
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG12	7	0.98
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG13	7	0.98
(1,1857)	1:208:B:VAL:HG11	1:219:B:ARG:H	2	0.98
(1,1857)	1:208:B:VAL:HG12	1:219:B:ARG:H	2	0.98
(1,1857)	1:208:B:VAL:HG13	1:219:B:ARG:H	2	0.98
(1,1857)	1:208:B:VAL:HG11	1:219:B:ARG:H	19	0.98
(1,1857)	1:208:B:VAL:HG12	1:219:B:ARG:H	19	0.98
(1,1857)	1:208:B:VAL:HG13	1:219:B:ARG:H	19	0.98
(1,1837)	1:207:B:GLU:HG2	1:221:B:VAL:HB	10	0.98
(1,1615)	1:108:A:VAL:HG11	1:119:A:ARG:H	8	0.98
(1,1615)	1:108:A:VAL:HG12	1:119:A:ARG:H	8	0.98
(1,1615)	1:108:A:VAL:HG13	1:119:A:ARG:H	8	0.98
(1,1615)	1:108:A:VAL:HG11	1:119:A:ARG:H	13	0.98
(1,1615)	1:108:A:VAL:HG12	1:119:A:ARG:H	13	0.98
(1,1615)	1:108:A:VAL:HG13	1:119:A:ARG:H	13	0.98
(1,1450)	1:239:B:GLN:HA	1:242:B:LYS:HB3	8	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1410)	1:224:B:ASN:H	1:226:B:ASN:HD21	3	0.98
(1,1400)	1:223:B:ASP:H	1:226:B:ASN:HD21	11	0.98
(1,1400)	1:223:B:ASP:H	1:226:B:ASN:HD21	14	0.98
(1,1367)	1:211:B:ASP:HB2	1:214:B:ASP:H	6	0.98
(1,1350)	1:209:B:PHE:HE1	1:211:B:ASP:HB3	13	0.98
(1,1350)	1:209:B:PHE:HE2	1:211:B:ASP:HB3	13	0.98
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG21	2	0.98
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG22	2	0.98
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG23	2	0.98
(1,1244)	1:139:A:GLN:HA	1:142:A:LYS:HB3	9	0.98
(1,1204)	1:124:A:ASN:H	1:126:A:ASN:HD21	10	0.98
(1,1202)	1:124:A:ASN:HD22	1:126:A:ASN:H	7	0.98
(1,1194)	1:123:A:ASP:H	1:126:A:ASN:HD21	18	0.98
(1,1107)	1:253:B:PRO:HD3	1:254:B:ASP:H	2	0.98
(1,1107)	1:253:B:PRO:HD3	1:254:B:ASP:H	5	0.98
(1,1107)	1:253:B:PRO:HD3	1:254:B:ASP:H	8	0.98
(1,1107)	1:253:B:PRO:HD3	1:254:B:ASP:H	16	0.98
(1,1107)	1:253:B:PRO:HD3	1:254:B:ASP:H	17	0.98
(1,1002)	1:233:B:GLU:HB2	1:234:B:GLY:H	1	0.98
(1,879)	1:210:B:VAL:HG21	1:211:B:ASP:H	16	0.98
(1,879)	1:210:B:VAL:HG22	1:211:B:ASP:H	16	0.98
(1,879)	1:210:B:VAL:HG23	1:211:B:ASP:H	16	0.98
(1,686)	1:133:A:GLU:HB2	1:134:A:GLY:H	7	0.98
(1,645)	1:124:A:ASN:HD22	1:125:A:GLY:H	3	0.98
(1,645)	1:124:A:ASN:HD22	1:125:A:GLY:H	18	0.98
(1,483)	1:254:B:ASP:H	1:254:B:ASP:HB3	9	0.98
(1,260)	1:203:B:LYS:H	1:203:B:LYS:HB3	1	0.98
(1,260)	1:203:B:LYS:H	1:203:B:LYS:HB3	13	0.98
(1,231)	1:154:A:ASP:H	1:154:A:ASP:HB3	8	0.98
(1,231)	1:154:A:ASP:H	1:154:A:ASP:HB3	11	0.98
(1,8)	1:103:A:LYS:H	1:103:A:LYS:HB3	10	0.98
(1,8)	1:103:A:LYS:H	1:103:A:LYS:HB3	16	0.98
(1,2320)	1:158:A:ILE:HG12	1:205:B:HIS:HA	3	0.97
(1,2320)	1:158:A:ILE:HG12	1:205:B:HIS:HA	18	0.97
(1,2114)	1:109:A:PHE:HB2	1:260:B:ALA:H	14	0.97
(1,2063)	1:105:A:HIS:HB3	1:256:B:ASP:HA	19	0.97
(1,2062)	1:105:A:HIS:HA	1:258:B:ILE:HG12	15	0.97
(1,2062)	1:105:A:HIS:HA	1:258:B:ILE:HG12	19	0.97
(1,1894)	1:210:B:VAL:HG11	1:216:B:TYR:HA	5	0.97
(1,1894)	1:210:B:VAL:HG12	1:216:B:TYR:HA	5	0.97
(1,1894)	1:210:B:VAL:HG13	1:216:B:TYR:HA	5	0.97
(1,1857)	1:208:B:VAL:HG11	1:219:B:ARG:H	5	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1857)	1:208:B:VAL:HG12	1:219:B:ARG:H	5	0.97
(1,1857)	1:208:B:VAL:HG13	1:219:B:ARG:H	5	0.97
(1,1857)	1:208:B:VAL:HG11	1:219:B:ARG:H	8	0.97
(1,1857)	1:208:B:VAL:HG12	1:219:B:ARG:H	8	0.97
(1,1857)	1:208:B:VAL:HG13	1:219:B:ARG:H	8	0.97
(1,1857)	1:208:B:VAL:HG11	1:219:B:ARG:H	17	0.97
(1,1857)	1:208:B:VAL:HG12	1:219:B:ARG:H	17	0.97
(1,1857)	1:208:B:VAL:HG13	1:219:B:ARG:H	17	0.97
(1,1615)	1:108:A:VAL:HG11	1:119:A:ARG:H	7	0.97
(1,1615)	1:108:A:VAL:HG12	1:119:A:ARG:H	7	0.97
(1,1615)	1:108:A:VAL:HG13	1:119:A:ARG:H	7	0.97
(1,1615)	1:108:A:VAL:HG11	1:119:A:ARG:H	18	0.97
(1,1615)	1:108:A:VAL:HG12	1:119:A:ARG:H	18	0.97
(1,1615)	1:108:A:VAL:HG13	1:119:A:ARG:H	18	0.97
(1,1529)	1:249:B:LYS:HA	1:253:B:PRO:HG2	1	0.97
(1,1408)	1:224:B:ASN:HD22	1:226:B:ASN:H	7	0.97
(1,1408)	1:224:B:ASN:HD22	1:226:B:ASN:H	10	0.97
(1,1408)	1:224:B:ASN:HD22	1:226:B:ASN:H	16	0.97
(1,1408)	1:224:B:ASN:HD22	1:226:B:ASN:H	17	0.97
(1,1245)	1:139:A:GLN:HA	1:142:A:LYS:HG2	19	0.97
(1,1202)	1:124:A:ASN:HD22	1:126:A:ASN:H	15	0.97
(1,1140)	1:102:A:ASN:HD22	1:105:A:HIS:HB2	17	0.97
(1,1107)	1:253:B:PRO:HD3	1:254:B:ASP:H	6	0.97
(1,1107)	1:253:B:PRO:HD3	1:254:B:ASP:H	10	0.97
(1,1107)	1:253:B:PRO:HD3	1:254:B:ASP:H	12	0.97
(1,822)	1:202:B:ASN:HA	1:203:B:LYS:HB3	19	0.97
(1,791)	1:153:A:PRO:HD3	1:154:A:ASP:H	7	0.97
(1,791)	1:153:A:PRO:HD3	1:154:A:ASP:H	16	0.97
(1,686)	1:133:A:GLU:HB2	1:134:A:GLY:H	6	0.97
(1,645)	1:124:A:ASN:HD22	1:125:A:GLY:H	20	0.97
(1,563)	1:110:A:VAL:HG21	1:111:A:ASP:H	15	0.97
(1,563)	1:110:A:VAL:HG22	1:111:A:ASP:H	15	0.97
(1,563)	1:110:A:VAL:HG23	1:111:A:ASP:H	15	0.97
(1,483)	1:254:B:ASP:H	1:254:B:ASP:HB3	1	0.97
(1,483)	1:254:B:ASP:H	1:254:B:ASP:HB3	2	0.97
(1,483)	1:254:B:ASP:H	1:254:B:ASP:HB3	14	0.97
(1,477)	1:251:B:ASN:H	1:251:B:ASN:HB3	3	0.97
(1,260)	1:203:B:LYS:H	1:203:B:LYS:HB3	6	0.97
(1,260)	1:203:B:LYS:H	1:203:B:LYS:HB3	16	0.97
(1,260)	1:203:B:LYS:H	1:203:B:LYS:HB3	17	0.97
(1,231)	1:154:A:ASP:H	1:154:A:ASP:HB3	5	0.97
(1,231)	1:154:A:ASP:H	1:154:A:ASP:HB3	16	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,231)	1:154:A:ASP:H	1:154:A:ASP:HB3	20	0.97
(1,225)	1:151:A:ASN:H	1:151:A:ASN:HB3	11	0.97
(1,225)	1:151:A:ASN:H	1:151:A:ASN:HB3	15	0.97
(1,8)	1:103:A:LYS:H	1:103:A:LYS:HB3	11	0.97
(1,8)	1:103:A:LYS:H	1:103:A:LYS:HB3	12	0.97
(1,8)	1:103:A:LYS:H	1:103:A:LYS:HB3	14	0.97
(1,8)	1:103:A:LYS:H	1:103:A:LYS:HB3	18	0.97
(1,2320)	1:158:A:ILE:HG12	1:205:B:HIS:HA	20	0.96
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG11	10	0.96
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG12	10	0.96
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG13	10	0.96
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG11	19	0.96
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG12	19	0.96
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG13	19	0.96
(1,2114)	1:109:A:PHE:HB2	1:260:B:ALA:H	11	0.96
(1,2063)	1:105:A:HIS:HB3	1:256:B:ASP:HA	6	0.96
(1,2062)	1:105:A:HIS:HA	1:258:B:ILE:HG12	3	0.96
(1,1857)	1:208:B:VAL:HG11	1:219:B:ARG:H	3	0.96
(1,1857)	1:208:B:VAL:HG12	1:219:B:ARG:H	3	0.96
(1,1857)	1:208:B:VAL:HG13	1:219:B:ARG:H	3	0.96
(1,1857)	1:208:B:VAL:HG11	1:219:B:ARG:H	10	0.96
(1,1857)	1:208:B:VAL:HG12	1:219:B:ARG:H	10	0.96
(1,1857)	1:208:B:VAL:HG13	1:219:B:ARG:H	10	0.96
(1,1857)	1:208:B:VAL:HG11	1:219:B:ARG:H	11	0.96
(1,1857)	1:208:B:VAL:HG12	1:219:B:ARG:H	11	0.96
(1,1857)	1:208:B:VAL:HG13	1:219:B:ARG:H	11	0.96
(1,1857)	1:208:B:VAL:HG11	1:219:B:ARG:H	18	0.96
(1,1857)	1:208:B:VAL:HG12	1:219:B:ARG:H	18	0.96
(1,1857)	1:208:B:VAL:HG13	1:219:B:ARG:H	18	0.96
(1,1652)	1:110:A:VAL:HG11	1:116:A:TYR:HA	16	0.96
(1,1652)	1:110:A:VAL:HG12	1:116:A:TYR:HA	16	0.96
(1,1652)	1:110:A:VAL:HG13	1:116:A:TYR:HA	16	0.96
(1,1615)	1:108:A:VAL:HG11	1:119:A:ARG:H	5	0.96
(1,1615)	1:108:A:VAL:HG12	1:119:A:ARG:H	5	0.96
(1,1615)	1:108:A:VAL:HG13	1:119:A:ARG:H	5	0.96
(1,1615)	1:108:A:VAL:HG11	1:119:A:ARG:H	9	0.96
(1,1615)	1:108:A:VAL:HG12	1:119:A:ARG:H	9	0.96
(1,1615)	1:108:A:VAL:HG13	1:119:A:ARG:H	9	0.96
(1,1615)	1:108:A:VAL:HG11	1:119:A:ARG:H	15	0.96
(1,1615)	1:108:A:VAL:HG12	1:119:A:ARG:H	15	0.96
(1,1615)	1:108:A:VAL:HG13	1:119:A:ARG:H	15	0.96
(1,1529)	1:249:B:LYS:HA	1:253:B:PRO:HG2	8	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1408)	1:224:B:ASN:HD22	1:226:B:ASN:H	4	0.96
(1,1408)	1:224:B:ASN:HD22	1:226:B:ASN:H	13	0.96
(1,1400)	1:223:B:ASP:H	1:226:B:ASN:HD21	20	0.96
(1,1367)	1:211:B:ASP:HB2	1:214:B:ASP:H	9	0.96
(1,970)	1:226:B:ASN:HD22	1:227:B:ILE:H	18	0.96
(1,879)	1:210:B:VAL:HG21	1:211:B:ASP:H	18	0.96
(1,879)	1:210:B:VAL:HG22	1:211:B:ASP:H	18	0.96
(1,879)	1:210:B:VAL:HG23	1:211:B:ASP:H	18	0.96
(1,822)	1:202:B:ASN:HA	1:203:B:LYS:HB3	5	0.96
(1,791)	1:153:A:PRO:HD3	1:154:A:ASP:H	1	0.96
(1,791)	1:153:A:PRO:HD3	1:154:A:ASP:H	2	0.96
(1,791)	1:153:A:PRO:HD3	1:154:A:ASP:H	4	0.96
(1,791)	1:153:A:PRO:HD3	1:154:A:ASP:H	8	0.96
(1,791)	1:153:A:PRO:HD3	1:154:A:ASP:H	10	0.96
(1,791)	1:153:A:PRO:HD3	1:154:A:ASP:H	12	0.96
(1,791)	1:153:A:PRO:HD3	1:154:A:ASP:H	15	0.96
(1,686)	1:133:A:GLU:HB2	1:134:A:GLY:H	10	0.96
(1,563)	1:110:A:VAL:HG21	1:111:A:ASP:H	18	0.96
(1,563)	1:110:A:VAL:HG22	1:111:A:ASP:H	18	0.96
(1,563)	1:110:A:VAL:HG23	1:111:A:ASP:H	18	0.96
(1,563)	1:110:A:VAL:HG21	1:111:A:ASP:H	20	0.96
(1,563)	1:110:A:VAL:HG22	1:111:A:ASP:H	20	0.96
(1,563)	1:110:A:VAL:HG23	1:111:A:ASP:H	20	0.96
(1,483)	1:254:B:ASP:H	1:254:B:ASP:HB3	6	0.96
(1,477)	1:251:B:ASN:H	1:251:B:ASN:HB3	9	0.96
(1,477)	1:251:B:ASN:H	1:251:B:ASN:HB3	20	0.96
(1,382)	1:233:B:GLU:H	1:233:B:GLU:HB3	13	0.96
(1,260)	1:203:B:LYS:H	1:203:B:LYS:HB3	7	0.96
(1,231)	1:154:A:ASP:H	1:154:A:ASP:HB3	4	0.96
(1,231)	1:154:A:ASP:H	1:154:A:ASP:HB3	6	0.96
(1,231)	1:154:A:ASP:H	1:154:A:ASP:HB3	7	0.96
(1,231)	1:154:A:ASP:H	1:154:A:ASP:HB3	14	0.96
(1,231)	1:154:A:ASP:H	1:154:A:ASP:HB3	17	0.96
(1,8)	1:103:A:LYS:H	1:103:A:LYS:HB3	2	0.96
(1,8)	1:103:A:LYS:H	1:103:A:LYS:HB3	15	0.96
(1,8)	1:103:A:LYS:H	1:103:A:LYS:HB3	17	0.96
(1,2211)	1:148:A:VAL:HG11	1:229:B:ALA:HA	20	0.95
(1,2211)	1:148:A:VAL:HG12	1:229:B:ALA:HA	20	0.95
(1,2211)	1:148:A:VAL:HG13	1:229:B:ALA:HA	20	0.95
(1,1857)	1:208:B:VAL:HG11	1:219:B:ARG:H	20	0.95
(1,1857)	1:208:B:VAL:HG12	1:219:B:ARG:H	20	0.95
(1,1857)	1:208:B:VAL:HG13	1:219:B:ARG:H	20	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1652)	1:110:A:VAL:HG11	1:116:A:TYR:HA	4	0.95
(1,1652)	1:110:A:VAL:HG12	1:116:A:TYR:HA	4	0.95
(1,1652)	1:110:A:VAL:HG13	1:116:A:TYR:HA	4	0.95
(1,1652)	1:110:A:VAL:HG11	1:116:A:TYR:HA	7	0.95
(1,1652)	1:110:A:VAL:HG12	1:116:A:TYR:HA	7	0.95
(1,1652)	1:110:A:VAL:HG13	1:116:A:TYR:HA	7	0.95
(1,1400)	1:223:B:ASP:H	1:226:B:ASN:HD21	2	0.95
(1,1400)	1:223:B:ASP:H	1:226:B:ASN:HD21	15	0.95
(1,1323)	1:149:A:LYS:HA	1:153:A:PRO:HG2	18	0.95
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG21	18	0.95
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG22	18	0.95
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG23	18	0.95
(1,1245)	1:139:A:GLN:HA	1:142:A:LYS:HG2	14	0.95
(1,1202)	1:124:A:ASN:HD22	1:126:A:ASN:H	4	0.95
(1,1201)	1:124:A:ASN:HD22	1:126:A:ASN:HD21	20	0.95
(1,1161)	1:111:A:ASP:HB2	1:114:A:ASP:H	3	0.95
(1,1144)	1:109:A:PHE:HE1	1:111:A:ASP:HB3	10	0.95
(1,1144)	1:109:A:PHE:HE2	1:111:A:ASP:HB3	10	0.95
(1,970)	1:226:B:ASN:HD22	1:227:B:ILE:H	1	0.95
(1,834)	1:204:B:ALA:HB1	1:205:B:HIS:HB2	11	0.95
(1,834)	1:204:B:ALA:HB2	1:205:B:HIS:HB2	11	0.95
(1,834)	1:204:B:ALA:HB3	1:205:B:HIS:HB2	11	0.95
(1,822)	1:202:B:ASN:HA	1:203:B:LYS:HB3	3	0.95
(1,791)	1:153:A:PRO:HD3	1:154:A:ASP:H	9	0.95
(1,563)	1:110:A:VAL:HG21	1:111:A:ASP:H	7	0.95
(1,563)	1:110:A:VAL:HG22	1:111:A:ASP:H	7	0.95
(1,563)	1:110:A:VAL:HG23	1:111:A:ASP:H	7	0.95
(1,563)	1:110:A:VAL:HG21	1:111:A:ASP:H	10	0.95
(1,563)	1:110:A:VAL:HG22	1:111:A:ASP:H	10	0.95
(1,563)	1:110:A:VAL:HG23	1:111:A:ASP:H	10	0.95
(1,483)	1:254:B:ASP:H	1:254:B:ASP:HB3	8	0.95
(1,483)	1:254:B:ASP:H	1:254:B:ASP:HB3	11	0.95
(1,477)	1:251:B:ASN:H	1:251:B:ASN:HB3	2	0.95
(1,477)	1:251:B:ASN:H	1:251:B:ASN:HB3	7	0.95
(1,477)	1:251:B:ASN:H	1:251:B:ASN:HB3	12	0.95
(1,477)	1:251:B:ASN:H	1:251:B:ASN:HB3	16	0.95
(1,231)	1:154:A:ASP:H	1:154:A:ASP:HB3	10	0.95
(1,231)	1:154:A:ASP:H	1:154:A:ASP:HB3	12	0.95
(1,225)	1:151:A:ASN:H	1:151:A:ASN:HB3	2	0.95
(1,225)	1:151:A:ASN:H	1:151:A:ASN:HB3	9	0.95
(1,225)	1:151:A:ASN:H	1:151:A:ASN:HB3	12	0.95
(1,225)	1:151:A:ASN:H	1:151:A:ASN:HB3	14	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,225)	1:151:A:ASN:H	1:151:A:ASN:HB3	16	0.95
(1,225)	1:151:A:ASN:H	1:151:A:ASN:HB3	17	0.95
(1,225)	1:151:A:ASN:H	1:151:A:ASN:HB3	18	0.95
(1,130)	1:133:A:GLU:H	1:133:A:GLU:HB3	16	0.95
(1,130)	1:133:A:GLU:H	1:133:A:GLU:HB3	17	0.95
(1,2340)	1:160:A:ALA:H	1:209:B:PHE:HB2	10	0.94
(1,2320)	1:158:A:ILE:HG12	1:205:B:HIS:HA	6	0.94
(1,2320)	1:158:A:ILE:HG12	1:205:B:HIS:HA	8	0.94
(1,2320)	1:158:A:ILE:HG12	1:205:B:HIS:HA	13	0.94
(1,2277)	1:156:A:ASP:HA	1:205:B:HIS:HB3	8	0.94
(1,2277)	1:156:A:ASP:HA	1:205:B:HIS:HB3	19	0.94
(1,2211)	1:148:A:VAL:HG11	1:229:B:ALA:HA	11	0.94
(1,2211)	1:148:A:VAL:HG12	1:229:B:ALA:HA	11	0.94
(1,2211)	1:148:A:VAL:HG13	1:229:B:ALA:HA	11	0.94
(1,2211)	1:148:A:VAL:HG11	1:229:B:ALA:HA	16	0.94
(1,2211)	1:148:A:VAL:HG12	1:229:B:ALA:HA	16	0.94
(1,2211)	1:148:A:VAL:HG13	1:229:B:ALA:HA	16	0.94
(1,2062)	1:105:A:HIS:HA	1:258:B:ILE:HG12	18	0.94
(1,1894)	1:210:B:VAL:HG11	1:216:B:TYR:HA	17	0.94
(1,1894)	1:210:B:VAL:HG12	1:216:B:TYR:HA	17	0.94
(1,1894)	1:210:B:VAL:HG13	1:216:B:TYR:HA	17	0.94
(1,1857)	1:208:B:VAL:HG11	1:219:B:ARG:H	6	0.94
(1,1857)	1:208:B:VAL:HG12	1:219:B:ARG:H	6	0.94
(1,1857)	1:208:B:VAL:HG13	1:219:B:ARG:H	6	0.94
(1,1652)	1:110:A:VAL:HG11	1:116:A:TYR:HA	15	0.94
(1,1652)	1:110:A:VAL:HG12	1:116:A:TYR:HA	15	0.94
(1,1652)	1:110:A:VAL:HG13	1:116:A:TYR:HA	15	0.94
(1,1615)	1:108:A:VAL:HG11	1:119:A:ARG:H	2	0.94
(1,1615)	1:108:A:VAL:HG12	1:119:A:ARG:H	2	0.94
(1,1615)	1:108:A:VAL:HG13	1:119:A:ARG:H	2	0.94
(1,1615)	1:108:A:VAL:HG11	1:119:A:ARG:H	4	0.94
(1,1615)	1:108:A:VAL:HG12	1:119:A:ARG:H	4	0.94
(1,1615)	1:108:A:VAL:HG13	1:119:A:ARG:H	4	0.94
(1,1615)	1:108:A:VAL:HG11	1:119:A:ARG:H	12	0.94
(1,1615)	1:108:A:VAL:HG12	1:119:A:ARG:H	12	0.94
(1,1615)	1:108:A:VAL:HG13	1:119:A:ARG:H	12	0.94
(1,1529)	1:249:B:LYS:HA	1:253:B:PRO:HG2	12	0.94
(1,1529)	1:249:B:LYS:HA	1:253:B:PRO:HG2	18	0.94
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG21	1	0.94
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG22	1	0.94
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG23	1	0.94
(1,1450)	1:239:B:GLN:HA	1:242:B:LYS:HB3	4	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1450)	1:239:B:GLN:HA	1:242:B:LYS:HB3	5	0.94
(1,1400)	1:223:B:ASP:H	1:226:B:ASN:HD21	18	0.94
(1,1107)	1:253:B:PRO:HD3	1:254:B:ASP:H	4	0.94
(1,970)	1:226:B:ASN:HD22	1:227:B:ILE:H	15	0.94
(1,879)	1:210:B:VAL:HG21	1:211:B:ASP:H	20	0.94
(1,879)	1:210:B:VAL:HG22	1:211:B:ASP:H	20	0.94
(1,879)	1:210:B:VAL:HG23	1:211:B:ASP:H	20	0.94
(1,791)	1:153:A:PRO:HD3	1:154:A:ASP:H	19	0.94
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB1	1	0.94
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB2	1	0.94
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB3	1	0.94
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB1	11	0.94
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB2	11	0.94
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB3	11	0.94
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB1	15	0.94
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB2	15	0.94
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB3	15	0.94
(1,563)	1:110:A:VAL:HG21	1:111:A:ASP:H	1	0.94
(1,563)	1:110:A:VAL:HG22	1:111:A:ASP:H	1	0.94
(1,563)	1:110:A:VAL:HG23	1:111:A:ASP:H	1	0.94
(1,563)	1:110:A:VAL:HG21	1:111:A:ASP:H	16	0.94
(1,563)	1:110:A:VAL:HG22	1:111:A:ASP:H	16	0.94
(1,563)	1:110:A:VAL:HG23	1:111:A:ASP:H	16	0.94
(1,483)	1:254:B:ASP:H	1:254:B:ASP:HB3	13	0.94
(1,483)	1:254:B:ASP:H	1:254:B:ASP:HB3	15	0.94
(1,477)	1:251:B:ASN:H	1:251:B:ASN:HB3	1	0.94
(1,477)	1:251:B:ASN:H	1:251:B:ASN:HB3	4	0.94
(1,477)	1:251:B:ASN:H	1:251:B:ASN:HB3	18	0.94
(1,231)	1:154:A:ASP:H	1:154:A:ASP:HB3	2	0.94
(1,225)	1:151:A:ASN:H	1:151:A:ASN:HB3	4	0.94
(1,225)	1:151:A:ASN:H	1:151:A:ASN:HB3	7	0.94
(1,8)	1:103:A:LYS:H	1:103:A:LYS:HB3	4	0.94
(1,2340)	1:160:A:ALA:H	1:209:B:PHE:HB2	6	0.93
(1,2320)	1:158:A:ILE:HG12	1:205:B:HIS:HA	16	0.93
(1,2277)	1:156:A:ASP:HA	1:205:B:HIS:HB3	5	0.93
(1,2277)	1:156:A:ASP:HA	1:205:B:HIS:HB3	7	0.93
(1,2277)	1:156:A:ASP:HA	1:205:B:HIS:HB3	10	0.93
(1,2277)	1:156:A:ASP:HA	1:205:B:HIS:HB3	14	0.93
(1,2063)	1:105:A:HIS:HB3	1:256:B:ASP:HA	7	0.93
(1,2063)	1:105:A:HIS:HB3	1:256:B:ASP:HA	10	0.93
(1,2063)	1:105:A:HIS:HB3	1:256:B:ASP:HA	15	0.93
(1,2063)	1:105:A:HIS:HB3	1:256:B:ASP:HA	17	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2062)	1:105:A:HIS:HA	1:258:B:ILE:HG12	8	0.93
(1,1652)	1:110:A:VAL:HG11	1:116:A:TYR:HA	19	0.93
(1,1652)	1:110:A:VAL:HG12	1:116:A:TYR:HA	19	0.93
(1,1652)	1:110:A:VAL:HG13	1:116:A:TYR:HA	19	0.93
(1,1615)	1:108:A:VAL:HG11	1:119:A:ARG:H	17	0.93
(1,1615)	1:108:A:VAL:HG12	1:119:A:ARG:H	17	0.93
(1,1615)	1:108:A:VAL:HG13	1:119:A:ARG:H	17	0.93
(1,1615)	1:108:A:VAL:HG11	1:119:A:ARG:H	19	0.93
(1,1615)	1:108:A:VAL:HG12	1:119:A:ARG:H	19	0.93
(1,1615)	1:108:A:VAL:HG13	1:119:A:ARG:H	19	0.93
(1,1595)	1:107:A:GLU:HG2	1:121:A:VAL:HB	11	0.93
(1,1529)	1:249:B:LYS:HA	1:253:B:PRO:HG2	20	0.93
(1,1350)	1:209:B:PHE:HE1	1:211:B:ASP:HB3	18	0.93
(1,1350)	1:209:B:PHE:HE2	1:211:B:ASP:HB3	18	0.93
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG21	8	0.93
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG22	8	0.93
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG23	8	0.93
(1,1244)	1:139:A:GLN:HA	1:142:A:LYS:HB3	20	0.93
(1,1201)	1:124:A:ASN:HD22	1:126:A:ASN:HD21	3	0.93
(1,1161)	1:111:A:ASP:HB2	1:114:A:ASP:H	5	0.93
(1,1140)	1:102:A:ASN:HD22	1:105:A:HIS:HB2	9	0.93
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB1	4	0.93
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB2	4	0.93
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB3	4	0.93
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB1	16	0.93
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB2	16	0.93
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB3	16	0.93
(1,879)	1:210:B:VAL:HG21	1:211:B:ASP:H	2	0.93
(1,879)	1:210:B:VAL:HG22	1:211:B:ASP:H	2	0.93
(1,879)	1:210:B:VAL:HG23	1:211:B:ASP:H	2	0.93
(1,879)	1:210:B:VAL:HG21	1:211:B:ASP:H	17	0.93
(1,879)	1:210:B:VAL:HG22	1:211:B:ASP:H	17	0.93
(1,879)	1:210:B:VAL:HG23	1:211:B:ASP:H	17	0.93
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB1	7	0.93
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB2	7	0.93
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB3	7	0.93
(1,563)	1:110:A:VAL:HG21	1:111:A:ASP:H	9	0.93
(1,563)	1:110:A:VAL:HG22	1:111:A:ASP:H	9	0.93
(1,563)	1:110:A:VAL:HG23	1:111:A:ASP:H	9	0.93
(1,563)	1:110:A:VAL:HG21	1:111:A:ASP:H	17	0.93
(1,563)	1:110:A:VAL:HG22	1:111:A:ASP:H	17	0.93
(1,563)	1:110:A:VAL:HG23	1:111:A:ASP:H	17	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,506)	1:102:A:ASN:HA	1:103:A:LYS:HB3	5	0.93
(1,483)	1:254:B:ASP:H	1:254:B:ASP:HB3	4	0.93
(1,483)	1:254:B:ASP:H	1:254:B:ASP:HB3	12	0.93
(1,483)	1:254:B:ASP:H	1:254:B:ASP:HB3	16	0.93
(1,382)	1:233:B:GLU:H	1:233:B:GLU:HB3	12	0.93
(1,231)	1:154:A:ASP:H	1:154:A:ASP:HB3	19	0.93
(1,225)	1:151:A:ASN:H	1:151:A:ASN:HB3	3	0.93
(1,225)	1:151:A:ASN:H	1:151:A:ASN:HB3	13	0.93
(1,8)	1:103:A:LYS:H	1:103:A:LYS:HB3	13	0.93
(1,2277)	1:156:A:ASP:HA	1:205:B:HIS:HB3	20	0.92
(1,2211)	1:148:A:VAL:HG11	1:229:B:ALA:HA	17	0.92
(1,2211)	1:148:A:VAL:HG12	1:229:B:ALA:HA	17	0.92
(1,2211)	1:148:A:VAL:HG13	1:229:B:ALA:HA	17	0.92
(1,2211)	1:148:A:VAL:HG11	1:229:B:ALA:HA	19	0.92
(1,2211)	1:148:A:VAL:HG12	1:229:B:ALA:HA	19	0.92
(1,2211)	1:148:A:VAL:HG13	1:229:B:ALA:HA	19	0.92
(1,2114)	1:109:A:PHE:HB2	1:260:B:ALA:H	7	0.92
(1,2063)	1:105:A:HIS:HB3	1:256:B:ASP:HA	18	0.92
(1,1894)	1:210:B:VAL:HG11	1:216:B:TYR:HA	20	0.92
(1,1894)	1:210:B:VAL:HG12	1:216:B:TYR:HA	20	0.92
(1,1894)	1:210:B:VAL:HG13	1:216:B:TYR:HA	20	0.92
(1,1615)	1:108:A:VAL:HG11	1:119:A:ARG:H	10	0.92
(1,1615)	1:108:A:VAL:HG12	1:119:A:ARG:H	10	0.92
(1,1615)	1:108:A:VAL:HG13	1:119:A:ARG:H	10	0.92
(1,1615)	1:108:A:VAL:HG11	1:119:A:ARG:H	14	0.92
(1,1615)	1:108:A:VAL:HG12	1:119:A:ARG:H	14	0.92
(1,1615)	1:108:A:VAL:HG13	1:119:A:ARG:H	14	0.92
(1,1529)	1:249:B:LYS:HA	1:253:B:PRO:HG2	9	0.92
(1,1450)	1:239:B:GLN:HA	1:242:B:LYS:HB3	1	0.92
(1,1450)	1:239:B:GLN:HA	1:242:B:LYS:HB3	18	0.92
(1,1323)	1:149:A:LYS:HA	1:153:A:PRO:HG2	10	0.92
(1,1323)	1:149:A:LYS:HA	1:153:A:PRO:HG2	14	0.92
(1,1204)	1:124:A:ASN:H	1:126:A:ASN:HD21	17	0.92
(1,1202)	1:124:A:ASN:HD22	1:126:A:ASN:H	9	0.92
(1,1202)	1:124:A:ASN:HD22	1:126:A:ASN:H	11	0.92
(1,1161)	1:111:A:ASP:HB2	1:114:A:ASP:H	8	0.92
(1,1107)	1:253:B:PRO:HD3	1:254:B:ASP:H	19	0.92
(1,970)	1:226:B:ASN:HD22	1:227:B:ILE:H	2	0.92
(1,970)	1:226:B:ASN:HD22	1:227:B:ILE:H	3	0.92
(1,970)	1:226:B:ASN:HD22	1:227:B:ILE:H	14	0.92
(1,970)	1:226:B:ASN:HD22	1:227:B:ILE:H	20	0.92
(1,879)	1:210:B:VAL:HG21	1:211:B:ASP:H	1	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,879)	1:210:B:VAL:HG22	1:211:B:ASP:H	1	0.92
(1,879)	1:210:B:VAL:HG23	1:211:B:ASP:H	1	0.92
(1,879)	1:210:B:VAL:HG21	1:211:B:ASP:H	14	0.92
(1,879)	1:210:B:VAL:HG22	1:211:B:ASP:H	14	0.92
(1,879)	1:210:B:VAL:HG23	1:211:B:ASP:H	14	0.92
(1,791)	1:153:A:PRO:HD3	1:154:A:ASP:H	5	0.92
(1,791)	1:153:A:PRO:HD3	1:154:A:ASP:H	11	0.92
(1,765)	1:150:A:ARG:HB3	1:151:A:ASN:HB3	5	0.92
(1,654)	1:126:A:ASN:HD22	1:127:A:ILE:H	20	0.92
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB1	2	0.92
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB2	2	0.92
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB3	2	0.92
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB1	12	0.92
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB2	12	0.92
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB3	12	0.92
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB1	16	0.92
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB2	16	0.92
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB3	16	0.92
(1,563)	1:110:A:VAL:HG21	1:111:A:ASP:H	5	0.92
(1,563)	1:110:A:VAL:HG22	1:111:A:ASP:H	5	0.92
(1,563)	1:110:A:VAL:HG23	1:111:A:ASP:H	5	0.92
(1,563)	1:110:A:VAL:HG21	1:111:A:ASP:H	11	0.92
(1,563)	1:110:A:VAL:HG22	1:111:A:ASP:H	11	0.92
(1,563)	1:110:A:VAL:HG23	1:111:A:ASP:H	11	0.92
(1,563)	1:110:A:VAL:HG21	1:111:A:ASP:H	14	0.92
(1,563)	1:110:A:VAL:HG22	1:111:A:ASP:H	14	0.92
(1,563)	1:110:A:VAL:HG23	1:111:A:ASP:H	14	0.92
(1,518)	1:104:A:ALA:HB1	1:105:A:HIS:HB2	10	0.92
(1,518)	1:104:A:ALA:HB2	1:105:A:HIS:HB2	10	0.92
(1,518)	1:104:A:ALA:HB3	1:105:A:HIS:HB2	10	0.92
(1,518)	1:104:A:ALA:HB1	1:105:A:HIS:HB2	11	0.92
(1,518)	1:104:A:ALA:HB2	1:105:A:HIS:HB2	11	0.92
(1,518)	1:104:A:ALA:HB3	1:105:A:HIS:HB2	11	0.92
(1,483)	1:254:B:ASP:H	1:254:B:ASP:HB3	17	0.92
(1,477)	1:251:B:ASN:H	1:251:B:ASN:HB3	5	0.92
(1,477)	1:251:B:ASN:H	1:251:B:ASN:HB3	11	0.92
(1,382)	1:233:B:GLU:H	1:233:B:GLU:HB3	3	0.92
(1,382)	1:233:B:GLU:H	1:233:B:GLU:HB3	9	0.92
(1,225)	1:151:A:ASN:H	1:151:A:ASN:HB3	1	0.92
(1,225)	1:151:A:ASN:H	1:151:A:ASN:HB3	5	0.92
(1,225)	1:151:A:ASN:H	1:151:A:ASN:HB3	6	0.92
(1,225)	1:151:A:ASN:H	1:151:A:ASN:HB3	10	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,130)	1:133:A:GLU:H	1:133:A:GLU:HB3	13	0.92
(1,2326)	1:158:A:ILE:H	1:207:B:GLU:HG3	6	0.91
(1,2320)	1:158:A:ILE:HG12	1:205:B:HIS:HA	17	0.91
(1,2277)	1:156:A:ASP:HA	1:205:B:HIS:HB3	6	0.91
(1,2277)	1:156:A:ASP:HA	1:205:B:HIS:HB3	13	0.91
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG11	20	0.91
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG12	20	0.91
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG13	20	0.91
(1,2063)	1:105:A:HIS:HB3	1:256:B:ASP:HA	1	0.91
(1,2063)	1:105:A:HIS:HB3	1:256:B:ASP:HA	9	0.91
(1,2063)	1:105:A:HIS:HB3	1:256:B:ASP:HA	16	0.91
(1,1837)	1:207:B:GLU:HG2	1:221:B:VAL:HB	16	0.91
(1,1652)	1:110:A:VAL:HG11	1:116:A:TYR:HA	9	0.91
(1,1652)	1:110:A:VAL:HG12	1:116:A:TYR:HA	9	0.91
(1,1652)	1:110:A:VAL:HG13	1:116:A:TYR:HA	9	0.91
(1,1652)	1:110:A:VAL:HG11	1:116:A:TYR:HA	10	0.91
(1,1652)	1:110:A:VAL:HG12	1:116:A:TYR:HA	10	0.91
(1,1652)	1:110:A:VAL:HG13	1:116:A:TYR:HA	10	0.91
(1,1652)	1:110:A:VAL:HG11	1:116:A:TYR:HA	18	0.91
(1,1652)	1:110:A:VAL:HG12	1:116:A:TYR:HA	18	0.91
(1,1652)	1:110:A:VAL:HG13	1:116:A:TYR:HA	18	0.91
(1,1615)	1:108:A:VAL:HG11	1:119:A:ARG:H	6	0.91
(1,1615)	1:108:A:VAL:HG12	1:119:A:ARG:H	6	0.91
(1,1615)	1:108:A:VAL:HG13	1:119:A:ARG:H	6	0.91
(1,1615)	1:108:A:VAL:HG11	1:119:A:ARG:H	20	0.91
(1,1615)	1:108:A:VAL:HG12	1:119:A:ARG:H	20	0.91
(1,1615)	1:108:A:VAL:HG13	1:119:A:ARG:H	20	0.91
(1,1537)	1:251:B:ASN:HA	1:253:B:PRO:HD3	14	0.91
(1,1537)	1:251:B:ASN:HA	1:253:B:PRO:HD3	15	0.91
(1,1374)	1:211:B:ASP:H	1:215:B:LYS:HG3	4	0.91
(1,1374)	1:211:B:ASP:H	1:215:B:LYS:HG3	6	0.91
(1,1367)	1:211:B:ASP:HB2	1:214:B:ASP:H	20	0.91
(1,1350)	1:209:B:PHE:HE1	1:211:B:ASP:HB3	2	0.91
(1,1350)	1:209:B:PHE:HE2	1:211:B:ASP:HB3	2	0.91
(1,1331)	1:151:A:ASN:HA	1:153:A:PRO:HD3	3	0.91
(1,1331)	1:151:A:ASN:HA	1:153:A:PRO:HD3	13	0.91
(1,1323)	1:149:A:LYS:HA	1:153:A:PRO:HG2	2	0.91
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG21	3	0.91
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG22	3	0.91
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG23	3	0.91
(1,1244)	1:139:A:GLN:HA	1:142:A:LYS:HB3	1	0.91
(1,1244)	1:139:A:GLN:HA	1:142:A:LYS:HB3	8	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1168)	1:111:A:ASP:H	1:115:A:LYS:HG3	2	0.91
(1,970)	1:226:B:ASN:HD22	1:227:B:ILE:H	6	0.91
(1,970)	1:226:B:ASN:HD22	1:227:B:ILE:H	12	0.91
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB1	1	0.91
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB2	1	0.91
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB3	1	0.91
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB1	7	0.91
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB2	7	0.91
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB3	7	0.91
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB1	11	0.91
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB2	11	0.91
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB3	11	0.91
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB1	12	0.91
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB2	12	0.91
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB3	12	0.91
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB1	14	0.91
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB2	14	0.91
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB3	14	0.91
(1,834)	1:204:B:ALA:HB1	1:205:B:HIS:HB2	12	0.91
(1,834)	1:204:B:ALA:HB2	1:205:B:HIS:HB2	12	0.91
(1,834)	1:204:B:ALA:HB3	1:205:B:HIS:HB2	12	0.91
(1,765)	1:150:A:ARG:HB3	1:151:A:ASN:HB3	3	0.91
(1,654)	1:126:A:ASN:HD22	1:127:A:ILE:H	16	0.91
(1,570)	1:111:A:ASP:HB2	1:112:A:ALA:H	1	0.91
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB1	3	0.91
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB2	3	0.91
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB3	3	0.91
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB1	5	0.91
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB2	5	0.91
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB3	5	0.91
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB1	8	0.91
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB2	8	0.91
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB3	8	0.91
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB1	9	0.91
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB2	9	0.91
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB3	9	0.91
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB1	10	0.91
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB2	10	0.91
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB3	10	0.91
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB1	13	0.91
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB2	13	0.91
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB3	13	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB1	14	0.91
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB2	14	0.91
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB3	14	0.91
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB1	19	0.91
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB2	19	0.91
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB3	19	0.91
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB1	20	0.91
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB2	20	0.91
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB3	20	0.91
(1,563)	1:110:A:VAL:HG21	1:111:A:ASP:H	6	0.91
(1,563)	1:110:A:VAL:HG22	1:111:A:ASP:H	6	0.91
(1,563)	1:110:A:VAL:HG23	1:111:A:ASP:H	6	0.91
(1,477)	1:251:B:ASN:H	1:251:B:ASN:HB3	6	0.91
(1,477)	1:251:B:ASN:H	1:251:B:ASN:HB3	19	0.91
(1,382)	1:233:B:GLU:H	1:233:B:GLU:HB3	1	0.91
(1,382)	1:233:B:GLU:H	1:233:B:GLU:HB3	17	0.91
(1,225)	1:151:A:ASN:H	1:151:A:ASN:HB3	19	0.91
(1,225)	1:151:A:ASN:H	1:151:A:ASN:HB3	20	0.91
(1,130)	1:133:A:GLU:H	1:133:A:GLU:HB3	3	0.91
(1,130)	1:133:A:GLU:H	1:133:A:GLU:HB3	5	0.91
(1,130)	1:133:A:GLU:H	1:133:A:GLU:HB3	6	0.91
(1,8)	1:103:A:LYS:H	1:103:A:LYS:HB3	19	0.91
(1,2340)	1:160:A:ALA:H	1:209:B:PHE:HB2	5	0.9
(1,2340)	1:160:A:ALA:H	1:209:B:PHE:HB2	12	0.9
(1,2320)	1:158:A:ILE:HG12	1:205:B:HIS:HA	1	0.9
(1,2320)	1:158:A:ILE:HG12	1:205:B:HIS:HA	15	0.9
(1,2277)	1:156:A:ASP:HA	1:205:B:HIS:HB3	15	0.9
(1,2211)	1:148:A:VAL:HG11	1:229:B:ALA:HA	9	0.9
(1,2211)	1:148:A:VAL:HG12	1:229:B:ALA:HA	9	0.9
(1,2211)	1:148:A:VAL:HG13	1:229:B:ALA:HA	9	0.9
(1,2211)	1:148:A:VAL:HG11	1:229:B:ALA:HA	13	0.9
(1,2211)	1:148:A:VAL:HG12	1:229:B:ALA:HA	13	0.9
(1,2211)	1:148:A:VAL:HG13	1:229:B:ALA:HA	13	0.9
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG11	12	0.9
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG12	12	0.9
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG13	12	0.9
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG11	13	0.9
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG12	13	0.9
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG13	13	0.9
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG11	15	0.9
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG12	15	0.9
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG13	15	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2063)	1:105:A:HIS:HB3	1:256:B:ASP:HA	14	0.9
(1,2063)	1:105:A:HIS:HB3	1:256:B:ASP:HA	20	0.9
(1,2062)	1:105:A:HIS:HA	1:258:B:ILE:HG12	11	0.9
(1,1894)	1:210:B:VAL:HG11	1:216:B:TYR:HA	13	0.9
(1,1894)	1:210:B:VAL:HG12	1:216:B:TYR:HA	13	0.9
(1,1894)	1:210:B:VAL:HG13	1:216:B:TYR:HA	13	0.9
(1,1857)	1:208:B:VAL:HG11	1:219:B:ARG:H	16	0.9
(1,1857)	1:208:B:VAL:HG12	1:219:B:ARG:H	16	0.9
(1,1857)	1:208:B:VAL:HG13	1:219:B:ARG:H	16	0.9
(1,1652)	1:110:A:VAL:HG11	1:116:A:TYR:HA	6	0.9
(1,1652)	1:110:A:VAL:HG12	1:116:A:TYR:HA	6	0.9
(1,1652)	1:110:A:VAL:HG13	1:116:A:TYR:HA	6	0.9
(1,1652)	1:110:A:VAL:HG11	1:116:A:TYR:HA	11	0.9
(1,1652)	1:110:A:VAL:HG12	1:116:A:TYR:HA	11	0.9
(1,1652)	1:110:A:VAL:HG13	1:116:A:TYR:HA	11	0.9
(1,1615)	1:108:A:VAL:HG11	1:119:A:ARG:H	11	0.9
(1,1615)	1:108:A:VAL:HG12	1:119:A:ARG:H	11	0.9
(1,1615)	1:108:A:VAL:HG13	1:119:A:ARG:H	11	0.9
(1,1537)	1:251:B:ASN:HA	1:253:B:PRO:HD3	6	0.9
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG21	4	0.9
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG22	4	0.9
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG23	4	0.9
(1,1450)	1:239:B:GLN:HA	1:242:B:LYS:HB3	19	0.9
(1,1374)	1:211:B:ASP:H	1:215:B:LYS:HG3	2	0.9
(1,1374)	1:211:B:ASP:H	1:215:B:LYS:HG3	12	0.9
(1,1331)	1:151:A:ASN:HA	1:153:A:PRO:HD3	1	0.9
(1,1331)	1:151:A:ASN:HA	1:153:A:PRO:HD3	19	0.9
(1,1331)	1:151:A:ASN:HA	1:153:A:PRO:HD3	20	0.9
(1,1323)	1:149:A:LYS:HA	1:153:A:PRO:HG2	12	0.9
(1,1244)	1:139:A:GLN:HA	1:142:A:LYS:HB3	3	0.9
(1,1202)	1:124:A:ASN:HD22	1:126:A:ASN:H	18	0.9
(1,1002)	1:233:B:GLU:HB2	1:234:B:GLY:H	10	0.9
(1,970)	1:226:B:ASN:HD22	1:227:B:ILE:H	8	0.9
(1,970)	1:226:B:ASN:HD22	1:227:B:ILE:H	17	0.9
(1,879)	1:210:B:VAL:HG21	1:211:B:ASP:H	3	0.9
(1,879)	1:210:B:VAL:HG22	1:211:B:ASP:H	3	0.9
(1,879)	1:210:B:VAL:HG23	1:211:B:ASP:H	3	0.9
(1,879)	1:210:B:VAL:HG21	1:211:B:ASP:H	13	0.9
(1,879)	1:210:B:VAL:HG22	1:211:B:ASP:H	13	0.9
(1,879)	1:210:B:VAL:HG23	1:211:B:ASP:H	13	0.9
(1,654)	1:126:A:ASN:HD22	1:127:A:ILE:H	14	0.9
(1,654)	1:126:A:ASN:HD22	1:127:A:ILE:H	19	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,570)	1:111:A:ASP:HB2	1:112:A:ALA:H	15	0.9
(1,518)	1:104:A:ALA:HB1	1:105:A:HIS:HB2	12	0.9
(1,518)	1:104:A:ALA:HB2	1:105:A:HIS:HB2	12	0.9
(1,518)	1:104:A:ALA:HB3	1:105:A:HIS:HB2	12	0.9
(1,518)	1:104:A:ALA:HB1	1:105:A:HIS:HB2	13	0.9
(1,518)	1:104:A:ALA:HB2	1:105:A:HIS:HB2	13	0.9
(1,518)	1:104:A:ALA:HB3	1:105:A:HIS:HB2	13	0.9
(1,506)	1:102:A:ASN:HA	1:103:A:LYS:HB3	7	0.9
(1,483)	1:254:B:ASP:H	1:254:B:ASP:HB3	10	0.9
(1,477)	1:251:B:ASN:H	1:251:B:ASN:HB3	14	0.9
(1,382)	1:233:B:GLU:H	1:233:B:GLU:HB3	7	0.9
(1,260)	1:203:B:LYS:H	1:203:B:LYS:HB3	9	0.9
(1,130)	1:133:A:GLU:H	1:133:A:GLU:HB3	4	0.9
(1,130)	1:133:A:GLU:H	1:133:A:GLU:HB3	9	0.9
(1,8)	1:103:A:LYS:H	1:103:A:LYS:HB3	6	0.9
(1,2320)	1:158:A:ILE:HG12	1:205:B:HIS:HA	5	0.89
(1,2277)	1:156:A:ASP:HA	1:205:B:HIS:HB3	2	0.89
(1,2277)	1:156:A:ASP:HA	1:205:B:HIS:HB3	9	0.89
(1,2114)	1:109:A:PHE:HB2	1:260:B:ALA:H	17	0.89
(1,2063)	1:105:A:HIS:HB3	1:256:B:ASP:HA	11	0.89
(1,2062)	1:105:A:HIS:HA	1:258:B:ILE:HG12	5	0.89
(1,2062)	1:105:A:HIS:HA	1:258:B:ILE:HG12	7	0.89
(1,1985)	1:220:B:LEU:HB2	1:229:B:ALA:H	5	0.89
(1,1894)	1:210:B:VAL:HG11	1:216:B:TYR:HA	1	0.89
(1,1894)	1:210:B:VAL:HG12	1:216:B:TYR:HA	1	0.89
(1,1894)	1:210:B:VAL:HG13	1:216:B:TYR:HA	1	0.89
(1,1894)	1:210:B:VAL:HG11	1:216:B:TYR:HA	7	0.89
(1,1894)	1:210:B:VAL:HG12	1:216:B:TYR:HA	7	0.89
(1,1894)	1:210:B:VAL:HG13	1:216:B:TYR:HA	7	0.89
(1,1743)	1:120:A:LEU:HB2	1:129:A:ALA:H	4	0.89
(1,1652)	1:110:A:VAL:HG11	1:116:A:TYR:HA	17	0.89
(1,1652)	1:110:A:VAL:HG12	1:116:A:TYR:HA	17	0.89
(1,1652)	1:110:A:VAL:HG13	1:116:A:TYR:HA	17	0.89
(1,1652)	1:110:A:VAL:HG11	1:116:A:TYR:HA	20	0.89
(1,1652)	1:110:A:VAL:HG12	1:116:A:TYR:HA	20	0.89
(1,1652)	1:110:A:VAL:HG13	1:116:A:TYR:HA	20	0.89
(1,1537)	1:251:B:ASN:HA	1:253:B:PRO:HD3	11	0.89
(1,1529)	1:249:B:LYS:HA	1:253:B:PRO:HG2	4	0.89
(1,1529)	1:249:B:LYS:HA	1:253:B:PRO:HG2	15	0.89
(1,1529)	1:249:B:LYS:HA	1:253:B:PRO:HG2	17	0.89
(1,1450)	1:239:B:GLN:HA	1:242:B:LYS:HB3	2	0.89
(1,1450)	1:239:B:GLN:HA	1:242:B:LYS:HB3	17	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1367)	1:211:B:ASP:HB2	1:214:B:ASP:H	4	0.89
(1,1367)	1:211:B:ASP:HB2	1:214:B:ASP:H	16	0.89
(1,1350)	1:209:B:PHE:HE1	1:211:B:ASP:HB3	6	0.89
(1,1350)	1:209:B:PHE:HE2	1:211:B:ASP:HB3	6	0.89
(1,1350)	1:209:B:PHE:HE1	1:211:B:ASP:HB3	7	0.89
(1,1350)	1:209:B:PHE:HE2	1:211:B:ASP:HB3	7	0.89
(1,1244)	1:139:A:GLN:HA	1:142:A:LYS:HB3	7	0.89
(1,1244)	1:139:A:GLN:HA	1:142:A:LYS:HB3	11	0.89
(1,1202)	1:124:A:ASN:HD22	1:126:A:ASN:H	3	0.89
(1,1161)	1:111:A:ASP:HB2	1:114:A:ASP:H	13	0.89
(1,1081)	1:250:B:ARG:HB3	1:251:B:ASN:HB3	13	0.89
(1,1002)	1:233:B:GLU:HB2	1:234:B:GLY:H	14	0.89
(1,970)	1:226:B:ASN:HD22	1:227:B:ILE:H	4	0.89
(1,970)	1:226:B:ASN:HD22	1:227:B:ILE:H	5	0.89
(1,970)	1:226:B:ASN:HD22	1:227:B:ILE:H	10	0.89
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB1	2	0.89
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB2	2	0.89
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB3	2	0.89
(1,879)	1:210:B:VAL:HG21	1:211:B:ASP:H	7	0.89
(1,879)	1:210:B:VAL:HG22	1:211:B:ASP:H	7	0.89
(1,879)	1:210:B:VAL:HG23	1:211:B:ASP:H	7	0.89
(1,879)	1:210:B:VAL:HG21	1:211:B:ASP:H	10	0.89
(1,879)	1:210:B:VAL:HG22	1:211:B:ASP:H	10	0.89
(1,879)	1:210:B:VAL:HG23	1:211:B:ASP:H	10	0.89
(1,879)	1:210:B:VAL:HG21	1:211:B:ASP:H	11	0.89
(1,879)	1:210:B:VAL:HG22	1:211:B:ASP:H	11	0.89
(1,879)	1:210:B:VAL:HG23	1:211:B:ASP:H	11	0.89
(1,834)	1:204:B:ALA:HB1	1:205:B:HIS:HB2	6	0.89
(1,834)	1:204:B:ALA:HB2	1:205:B:HIS:HB2	6	0.89
(1,834)	1:204:B:ALA:HB3	1:205:B:HIS:HB2	6	0.89
(1,823)	1:202:B:ASN:HA	1:203:B:LYS:HG3	5	0.89
(1,791)	1:153:A:PRO:HD3	1:154:A:ASP:H	17	0.89
(1,654)	1:126:A:ASN:HD22	1:127:A:ILE:H	2	0.89
(1,654)	1:126:A:ASN:HD22	1:127:A:ILE:H	5	0.89
(1,654)	1:126:A:ASN:HD22	1:127:A:ILE:H	8	0.89
(1,570)	1:111:A:ASP:HB2	1:112:A:ALA:H	11	0.89
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB1	18	0.89
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB2	18	0.89
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB3	18	0.89
(1,483)	1:254:B:ASP:H	1:254:B:ASP:HB3	19	0.89
(1,477)	1:251:B:ASN:H	1:251:B:ASN:HB3	8	0.89
(1,477)	1:251:B:ASN:H	1:251:B:ASN:HB3	10	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,477)	1:251:B:ASN:H	1:251:B:ASN:HB3	15	0.89
(1,130)	1:133:A:GLU:H	1:133:A:GLU:HB3	12	0.89
(1,130)	1:133:A:GLU:H	1:133:A:GLU:HB3	14	0.89
(1,130)	1:133:A:GLU:H	1:133:A:GLU:HB3	15	0.89
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG11	14	0.88
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG12	14	0.88
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG13	14	0.88
(1,2062)	1:105:A:HIS:HA	1:258:B:ILE:HG12	13	0.88
(1,2062)	1:105:A:HIS:HA	1:258:B:ILE:HG12	16	0.88
(1,1985)	1:220:B:LEU:HB2	1:229:B:ALA:H	14	0.88
(1,1894)	1:210:B:VAL:HG11	1:216:B:TYR:HA	9	0.88
(1,1894)	1:210:B:VAL:HG12	1:216:B:TYR:HA	9	0.88
(1,1894)	1:210:B:VAL:HG13	1:216:B:TYR:HA	9	0.88
(1,1822)	1:206:B:PHE:HD1	1:220:B:LEU:HB3	14	0.88
(1,1822)	1:206:B:PHE:HD2	1:220:B:LEU:HB3	14	0.88
(1,1743)	1:120:A:LEU:HB2	1:129:A:ALA:H	2	0.88
(1,1652)	1:110:A:VAL:HG11	1:116:A:TYR:HA	5	0.88
(1,1652)	1:110:A:VAL:HG12	1:116:A:TYR:HA	5	0.88
(1,1652)	1:110:A:VAL:HG13	1:116:A:TYR:HA	5	0.88
(1,1615)	1:108:A:VAL:HG11	1:119:A:ARG:H	3	0.88
(1,1615)	1:108:A:VAL:HG12	1:119:A:ARG:H	3	0.88
(1,1615)	1:108:A:VAL:HG13	1:119:A:ARG:H	3	0.88
(1,1537)	1:251:B:ASN:HA	1:253:B:PRO:HD3	3	0.88
(1,1537)	1:251:B:ASN:HA	1:253:B:PRO:HD3	13	0.88
(1,1529)	1:249:B:LYS:HA	1:253:B:PRO:HG2	14	0.88
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG21	8	0.88
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG22	8	0.88
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG23	8	0.88
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG21	9	0.88
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG22	9	0.88
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG23	9	0.88
(1,1350)	1:209:B:PHE:HE1	1:211:B:ASP:HB3	8	0.88
(1,1350)	1:209:B:PHE:HE2	1:211:B:ASP:HB3	8	0.88
(1,1331)	1:151:A:ASN:HA	1:153:A:PRO:HD3	6	0.88
(1,1202)	1:124:A:ASN:HD22	1:126:A:ASN:H	20	0.88
(1,970)	1:226:B:ASN:HD22	1:227:B:ILE:H	7	0.88
(1,970)	1:226:B:ASN:HD22	1:227:B:ILE:H	11	0.88
(1,970)	1:226:B:ASN:HD22	1:227:B:ILE:H	16	0.88
(1,970)	1:226:B:ASN:HD22	1:227:B:ILE:H	19	0.88
(1,886)	1:211:B:ASP:HB2	1:212:B:ALA:H	4	0.88
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB1	6	0.88
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB2	6	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB3	6	0.88
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB1	8	0.88
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB2	8	0.88
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB3	8	0.88
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB1	13	0.88
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB2	13	0.88
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB3	13	0.88
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB1	20	0.88
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB2	20	0.88
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB3	20	0.88
(1,879)	1:210:B:VAL:HG21	1:211:B:ASP:H	5	0.88
(1,879)	1:210:B:VAL:HG22	1:211:B:ASP:H	5	0.88
(1,879)	1:210:B:VAL:HG23	1:211:B:ASP:H	5	0.88
(1,879)	1:210:B:VAL:HG21	1:211:B:ASP:H	19	0.88
(1,879)	1:210:B:VAL:HG22	1:211:B:ASP:H	19	0.88
(1,879)	1:210:B:VAL:HG23	1:211:B:ASP:H	19	0.88
(1,834)	1:204:B:ALA:HB1	1:205:B:HIS:HB2	9	0.88
(1,834)	1:204:B:ALA:HB2	1:205:B:HIS:HB2	9	0.88
(1,834)	1:204:B:ALA:HB3	1:205:B:HIS:HB2	9	0.88
(1,834)	1:204:B:ALA:HB1	1:205:B:HIS:HB2	10	0.88
(1,834)	1:204:B:ALA:HB2	1:205:B:HIS:HB2	10	0.88
(1,834)	1:204:B:ALA:HB3	1:205:B:HIS:HB2	10	0.88
(1,834)	1:204:B:ALA:HB1	1:205:B:HIS:HB2	16	0.88
(1,834)	1:204:B:ALA:HB2	1:205:B:HIS:HB2	16	0.88
(1,834)	1:204:B:ALA:HB3	1:205:B:HIS:HB2	16	0.88
(1,834)	1:204:B:ALA:HB1	1:205:B:HIS:HB2	17	0.88
(1,834)	1:204:B:ALA:HB2	1:205:B:HIS:HB2	17	0.88
(1,834)	1:204:B:ALA:HB3	1:205:B:HIS:HB2	17	0.88
(1,654)	1:126:A:ASN:HD22	1:127:A:ILE:H	3	0.88
(1,654)	1:126:A:ASN:HD22	1:127:A:ILE:H	6	0.88
(1,654)	1:126:A:ASN:HD22	1:127:A:ILE:H	11	0.88
(1,654)	1:126:A:ASN:HD22	1:127:A:ILE:H	12	0.88
(1,654)	1:126:A:ASN:HD22	1:127:A:ILE:H	13	0.88
(1,654)	1:126:A:ASN:HD22	1:127:A:ILE:H	15	0.88
(1,570)	1:111:A:ASP:HB2	1:112:A:ALA:H	7	0.88
(1,570)	1:111:A:ASP:HB2	1:112:A:ALA:H	14	0.88
(1,563)	1:110:A:VAL:HG21	1:111:A:ASP:H	2	0.88
(1,563)	1:110:A:VAL:HG22	1:111:A:ASP:H	2	0.88
(1,563)	1:110:A:VAL:HG23	1:111:A:ASP:H	2	0.88
(1,563)	1:110:A:VAL:HG21	1:111:A:ASP:H	8	0.88
(1,563)	1:110:A:VAL:HG22	1:111:A:ASP:H	8	0.88
(1,563)	1:110:A:VAL:HG23	1:111:A:ASP:H	8	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,563)	1:110:A:VAL:HG21	1:111:A:ASP:H	12	0.88
(1,563)	1:110:A:VAL:HG22	1:111:A:ASP:H	12	0.88
(1,563)	1:110:A:VAL:HG23	1:111:A:ASP:H	12	0.88
(1,518)	1:104:A:ALA:HB1	1:105:A:HIS:HB2	4	0.88
(1,518)	1:104:A:ALA:HB2	1:105:A:HIS:HB2	4	0.88
(1,518)	1:104:A:ALA:HB3	1:105:A:HIS:HB2	4	0.88
(1,518)	1:104:A:ALA:HB1	1:105:A:HIS:HB2	5	0.88
(1,518)	1:104:A:ALA:HB2	1:105:A:HIS:HB2	5	0.88
(1,518)	1:104:A:ALA:HB3	1:105:A:HIS:HB2	5	0.88
(1,477)	1:251:B:ASN:H	1:251:B:ASN:HB3	13	0.88
(1,382)	1:233:B:GLU:H	1:233:B:GLU:HB3	2	0.88
(1,382)	1:233:B:GLU:H	1:233:B:GLU:HB3	5	0.88
(1,260)	1:203:B:LYS:H	1:203:B:LYS:HB3	3	0.88
(1,225)	1:151:A:ASN:H	1:151:A:ASN:HB3	8	0.88
(1,130)	1:133:A:GLU:H	1:133:A:GLU:HB3	2	0.88
(1,130)	1:133:A:GLU:H	1:133:A:GLU:HB3	7	0.88
(1,130)	1:133:A:GLU:H	1:133:A:GLU:HB3	19	0.88
(1,2277)	1:156:A:ASP:HA	1:205:B:HIS:HB3	4	0.87
(1,2277)	1:156:A:ASP:HA	1:205:B:HIS:HB3	17	0.87
(1,2277)	1:156:A:ASP:HA	1:205:B:HIS:HB3	18	0.87
(1,2211)	1:148:A:VAL:HG11	1:229:B:ALA:HA	5	0.87
(1,2211)	1:148:A:VAL:HG12	1:229:B:ALA:HA	5	0.87
(1,2211)	1:148:A:VAL:HG13	1:229:B:ALA:HA	5	0.87
(1,2211)	1:148:A:VAL:HG11	1:229:B:ALA:HA	7	0.87
(1,2211)	1:148:A:VAL:HG12	1:229:B:ALA:HA	7	0.87
(1,2211)	1:148:A:VAL:HG13	1:229:B:ALA:HA	7	0.87
(1,1985)	1:220:B:LEU:HB2	1:229:B:ALA:H	2	0.87
(1,1652)	1:110:A:VAL:HG11	1:116:A:TYR:HA	1	0.87
(1,1652)	1:110:A:VAL:HG12	1:116:A:TYR:HA	1	0.87
(1,1652)	1:110:A:VAL:HG13	1:116:A:TYR:HA	1	0.87
(1,1595)	1:107:A:GLU:HG2	1:121:A:VAL:HB	13	0.87
(1,1580)	1:106:A:PHE:HD1	1:120:A:LEU:HB3	8	0.87
(1,1580)	1:106:A:PHE:HD2	1:120:A:LEU:HB3	8	0.87
(1,1580)	1:106:A:PHE:HD1	1:120:A:LEU:HB3	18	0.87
(1,1580)	1:106:A:PHE:HD2	1:120:A:LEU:HB3	18	0.87
(1,1537)	1:251:B:ASN:HA	1:253:B:PRO:HD3	18	0.87
(1,1537)	1:251:B:ASN:HA	1:253:B:PRO:HD3	19	0.87
(1,1331)	1:151:A:ASN:HA	1:153:A:PRO:HD3	5	0.87
(1,1331)	1:151:A:ASN:HA	1:153:A:PRO:HD3	8	0.87
(1,1331)	1:151:A:ASN:HA	1:153:A:PRO:HD3	14	0.87
(1,1244)	1:139:A:GLN:HA	1:142:A:LYS:HB3	13	0.87
(1,886)	1:211:B:ASP:HB2	1:212:B:ALA:H	11	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,886)	1:211:B:ASP:HB2	1:212:B:ALA:H	12	0.87
(1,886)	1:211:B:ASP:HB2	1:212:B:ALA:H	14	0.87
(1,886)	1:211:B:ASP:HB2	1:212:B:ALA:H	16	0.87
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB1	10	0.87
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB2	10	0.87
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB3	10	0.87
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB1	15	0.87
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB2	15	0.87
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB3	15	0.87
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB1	18	0.87
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB2	18	0.87
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB3	18	0.87
(1,879)	1:210:B:VAL:HG21	1:211:B:ASP:H	4	0.87
(1,879)	1:210:B:VAL:HG22	1:211:B:ASP:H	4	0.87
(1,879)	1:210:B:VAL:HG23	1:211:B:ASP:H	4	0.87
(1,834)	1:204:B:ALA:HB1	1:205:B:HIS:HB2	14	0.87
(1,834)	1:204:B:ALA:HB2	1:205:B:HIS:HB2	14	0.87
(1,834)	1:204:B:ALA:HB3	1:205:B:HIS:HB2	14	0.87
(1,686)	1:133:A:GLU:HB2	1:134:A:GLY:H	8	0.87
(1,686)	1:133:A:GLU:HB2	1:134:A:GLY:H	16	0.87
(1,570)	1:111:A:ASP:HB2	1:112:A:ALA:H	5	0.87
(1,570)	1:111:A:ASP:HB2	1:112:A:ALA:H	9	0.87
(1,570)	1:111:A:ASP:HB2	1:112:A:ALA:H	10	0.87
(1,570)	1:111:A:ASP:HB2	1:112:A:ALA:H	12	0.87
(1,570)	1:111:A:ASP:HB2	1:112:A:ALA:H	13	0.87
(1,570)	1:111:A:ASP:HB2	1:112:A:ALA:H	16	0.87
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB1	17	0.87
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB2	17	0.87
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB3	17	0.87
(1,563)	1:110:A:VAL:HG21	1:111:A:ASP:H	13	0.87
(1,563)	1:110:A:VAL:HG22	1:111:A:ASP:H	13	0.87
(1,563)	1:110:A:VAL:HG23	1:111:A:ASP:H	13	0.87
(1,518)	1:104:A:ALA:HB1	1:105:A:HIS:HB2	15	0.87
(1,518)	1:104:A:ALA:HB2	1:105:A:HIS:HB2	15	0.87
(1,518)	1:104:A:ALA:HB3	1:105:A:HIS:HB2	15	0.87
(1,518)	1:104:A:ALA:HB1	1:105:A:HIS:HB2	19	0.87
(1,518)	1:104:A:ALA:HB2	1:105:A:HIS:HB2	19	0.87
(1,518)	1:104:A:ALA:HB3	1:105:A:HIS:HB2	19	0.87
(1,477)	1:251:B:ASN:H	1:251:B:ASN:HB3	17	0.87
(1,382)	1:233:B:GLU:H	1:233:B:GLU:HB3	18	0.87
(1,260)	1:203:B:LYS:H	1:203:B:LYS:HB3	19	0.87
(1,130)	1:133:A:GLU:H	1:133:A:GLU:HB3	20	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2320)	1:158:A:ILE:HG12	1:205:B:HIS:HA	19	0.86
(1,2277)	1:156:A:ASP:HA	1:205:B:HIS:HB3	1	0.86
(1,2063)	1:105:A:HIS:HB3	1:256:B:ASP:HA	3	0.86
(1,2063)	1:105:A:HIS:HB3	1:256:B:ASP:HA	8	0.86
(1,2062)	1:105:A:HIS:HA	1:258:B:ILE:HG12	2	0.86
(1,1985)	1:220:B:LEU:HB2	1:229:B:ALA:H	4	0.86
(1,1985)	1:220:B:LEU:HB2	1:229:B:ALA:H	7	0.86
(1,1985)	1:220:B:LEU:HB2	1:229:B:ALA:H	9	0.86
(1,1985)	1:220:B:LEU:HB2	1:229:B:ALA:H	15	0.86
(1,1894)	1:210:B:VAL:HG11	1:216:B:TYR:HA	3	0.86
(1,1894)	1:210:B:VAL:HG12	1:216:B:TYR:HA	3	0.86
(1,1894)	1:210:B:VAL:HG13	1:216:B:TYR:HA	3	0.86
(1,1894)	1:210:B:VAL:HG11	1:216:B:TYR:HA	4	0.86
(1,1894)	1:210:B:VAL:HG12	1:216:B:TYR:HA	4	0.86
(1,1894)	1:210:B:VAL:HG13	1:216:B:TYR:HA	4	0.86
(1,1822)	1:206:B:PHE:HD1	1:220:B:LEU:HB3	3	0.86
(1,1822)	1:206:B:PHE:HD2	1:220:B:LEU:HB3	3	0.86
(1,1822)	1:206:B:PHE:HD1	1:220:B:LEU:HB3	10	0.86
(1,1822)	1:206:B:PHE:HD2	1:220:B:LEU:HB3	10	0.86
(1,1822)	1:206:B:PHE:HD1	1:220:B:LEU:HB3	13	0.86
(1,1822)	1:206:B:PHE:HD2	1:220:B:LEU:HB3	13	0.86
(1,1743)	1:120:A:LEU:HB2	1:129:A:ALA:H	9	0.86
(1,1743)	1:120:A:LEU:HB2	1:129:A:ALA:H	18	0.86
(1,1743)	1:120:A:LEU:HB2	1:129:A:ALA:H	20	0.86
(1,1529)	1:249:B:LYS:HA	1:253:B:PRO:HG2	19	0.86
(1,1410)	1:224:B:ASN:H	1:226:B:ASN:HD21	1	0.86
(1,1374)	1:211:B:ASP:H	1:215:B:LYS:HG3	3	0.86
(1,1374)	1:211:B:ASP:H	1:215:B:LYS:HG3	9	0.86
(1,1367)	1:211:B:ASP:HB2	1:214:B:ASP:H	11	0.86
(1,1350)	1:209:B:PHE:HE1	1:211:B:ASP:HB3	1	0.86
(1,1350)	1:209:B:PHE:HE2	1:211:B:ASP:HB3	1	0.86
(1,1350)	1:209:B:PHE:HE1	1:211:B:ASP:HB3	17	0.86
(1,1350)	1:209:B:PHE:HE2	1:211:B:ASP:HB3	17	0.86
(1,1331)	1:151:A:ASN:HA	1:153:A:PRO:HD3	7	0.86
(1,1244)	1:139:A:GLN:HA	1:142:A:LYS:HB3	2	0.86
(1,1244)	1:139:A:GLN:HA	1:142:A:LYS:HB3	4	0.86
(1,1244)	1:139:A:GLN:HA	1:142:A:LYS:HB3	18	0.86
(1,970)	1:226:B:ASN:HD22	1:227:B:ILE:H	13	0.86
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB1	3	0.86
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB2	3	0.86
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB3	3	0.86
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB1	17	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB2	17	0.86
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB3	17	0.86
(1,834)	1:204:B:ALA:HB1	1:205:B:HIS:HB2	18	0.86
(1,834)	1:204:B:ALA:HB2	1:205:B:HIS:HB2	18	0.86
(1,834)	1:204:B:ALA:HB3	1:205:B:HIS:HB2	18	0.86
(1,834)	1:204:B:ALA:HB1	1:205:B:HIS:HB2	19	0.86
(1,834)	1:204:B:ALA:HB2	1:205:B:HIS:HB2	19	0.86
(1,834)	1:204:B:ALA:HB3	1:205:B:HIS:HB2	19	0.86
(1,686)	1:133:A:GLU:HB2	1:134:A:GLY:H	14	0.86
(1,654)	1:126:A:ASN:HD22	1:127:A:ILE:H	4	0.86
(1,570)	1:111:A:ASP:HB2	1:112:A:ALA:H	2	0.86
(1,570)	1:111:A:ASP:HB2	1:112:A:ALA:H	3	0.86
(1,570)	1:111:A:ASP:HB2	1:112:A:ALA:H	20	0.86
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB1	6	0.86
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB2	6	0.86
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB3	6	0.86
(1,518)	1:104:A:ALA:HB1	1:105:A:HIS:HB2	6	0.86
(1,518)	1:104:A:ALA:HB2	1:105:A:HIS:HB2	6	0.86
(1,518)	1:104:A:ALA:HB3	1:105:A:HIS:HB2	6	0.86
(1,382)	1:233:B:GLU:H	1:233:B:GLU:HB3	6	0.86
(1,382)	1:233:B:GLU:H	1:233:B:GLU:HB3	8	0.86
(1,382)	1:233:B:GLU:H	1:233:B:GLU:HB3	15	0.86
(1,382)	1:233:B:GLU:H	1:233:B:GLU:HB3	19	0.86
(1,130)	1:133:A:GLU:H	1:133:A:GLU:HB3	8	0.86
(1,130)	1:133:A:GLU:H	1:133:A:GLU:HB3	18	0.86
(1,2211)	1:148:A:VAL:HG11	1:229:B:ALA:HA	1	0.85
(1,2211)	1:148:A:VAL:HG12	1:229:B:ALA:HA	1	0.85
(1,2211)	1:148:A:VAL:HG13	1:229:B:ALA:HA	1	0.85
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG11	17	0.85
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG12	17	0.85
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG13	17	0.85
(1,2105)	1:107:A:GLU:HG3	1:258:B:ILE:H	18	0.85
(1,1985)	1:220:B:LEU:HB2	1:229:B:ALA:H	1	0.85
(1,1985)	1:220:B:LEU:HB2	1:229:B:ALA:H	8	0.85
(1,1894)	1:210:B:VAL:HG11	1:216:B:TYR:HA	6	0.85
(1,1894)	1:210:B:VAL:HG12	1:216:B:TYR:HA	6	0.85
(1,1894)	1:210:B:VAL:HG13	1:216:B:TYR:HA	6	0.85
(1,1822)	1:206:B:PHE:HD1	1:220:B:LEU:HB3	18	0.85
(1,1822)	1:206:B:PHE:HD2	1:220:B:LEU:HB3	18	0.85
(1,1652)	1:110:A:VAL:HG11	1:116:A:TYR:HA	12	0.85
(1,1652)	1:110:A:VAL:HG12	1:116:A:TYR:HA	12	0.85
(1,1652)	1:110:A:VAL:HG13	1:116:A:TYR:HA	12	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1652)	1:110:A:VAL:HG11	1:116:A:TYR:HA	14	0.85
(1,1652)	1:110:A:VAL:HG12	1:116:A:TYR:HA	14	0.85
(1,1652)	1:110:A:VAL:HG13	1:116:A:TYR:HA	14	0.85
(1,1537)	1:251:B:ASN:HA	1:253:B:PRO:HD3	7	0.85
(1,1537)	1:251:B:ASN:HA	1:253:B:PRO:HD3	8	0.85
(1,1529)	1:249:B:LYS:HA	1:253:B:PRO:HG2	7	0.85
(1,1331)	1:151:A:ASN:HA	1:153:A:PRO:HD3	4	0.85
(1,1331)	1:151:A:ASN:HA	1:153:A:PRO:HD3	9	0.85
(1,1323)	1:149:A:LYS:HA	1:153:A:PRO:HG2	6	0.85
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG21	5	0.85
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG22	5	0.85
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG23	5	0.85
(1,1244)	1:139:A:GLN:HA	1:142:A:LYS:HB3	19	0.85
(1,1161)	1:111:A:ASP:HB2	1:114:A:ASP:H	7	0.85
(1,1002)	1:233:B:GLU:HB2	1:234:B:GLY:H	2	0.85
(1,886)	1:211:B:ASP:HB2	1:212:B:ALA:H	1	0.85
(1,886)	1:211:B:ASP:HB2	1:212:B:ALA:H	2	0.85
(1,886)	1:211:B:ASP:HB2	1:212:B:ALA:H	7	0.85
(1,886)	1:211:B:ASP:HB2	1:212:B:ALA:H	20	0.85
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB1	9	0.85
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB2	9	0.85
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB3	9	0.85
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB1	19	0.85
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB2	19	0.85
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB3	19	0.85
(1,879)	1:210:B:VAL:HG21	1:211:B:ASP:H	9	0.85
(1,879)	1:210:B:VAL:HG22	1:211:B:ASP:H	9	0.85
(1,879)	1:210:B:VAL:HG23	1:211:B:ASP:H	9	0.85
(1,834)	1:204:B:ALA:HB1	1:205:B:HIS:HB2	4	0.85
(1,834)	1:204:B:ALA:HB2	1:205:B:HIS:HB2	4	0.85
(1,834)	1:204:B:ALA:HB3	1:205:B:HIS:HB2	4	0.85
(1,834)	1:204:B:ALA:HB1	1:205:B:HIS:HB2	7	0.85
(1,834)	1:204:B:ALA:HB2	1:205:B:HIS:HB2	7	0.85
(1,834)	1:204:B:ALA:HB3	1:205:B:HIS:HB2	7	0.85
(1,834)	1:204:B:ALA:HB1	1:205:B:HIS:HB2	20	0.85
(1,834)	1:204:B:ALA:HB2	1:205:B:HIS:HB2	20	0.85
(1,834)	1:204:B:ALA:HB3	1:205:B:HIS:HB2	20	0.85
(1,686)	1:133:A:GLU:HB2	1:134:A:GLY:H	12	0.85
(1,654)	1:126:A:ASN:HD22	1:127:A:ILE:H	18	0.85
(1,570)	1:111:A:ASP:HB2	1:112:A:ALA:H	8	0.85
(1,570)	1:111:A:ASP:HB2	1:112:A:ALA:H	18	0.85
(1,570)	1:111:A:ASP:HB2	1:112:A:ALA:H	19	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB1	4	0.85
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB2	4	0.85
(1,569)	1:111:A:ASP:HB2	1:112:A:ALA:HB3	4	0.85
(1,563)	1:110:A:VAL:HG21	1:111:A:ASP:H	4	0.85
(1,563)	1:110:A:VAL:HG22	1:111:A:ASP:H	4	0.85
(1,563)	1:110:A:VAL:HG23	1:111:A:ASP:H	4	0.85
(1,518)	1:104:A:ALA:HB1	1:105:A:HIS:HB2	2	0.85
(1,518)	1:104:A:ALA:HB2	1:105:A:HIS:HB2	2	0.85
(1,518)	1:104:A:ALA:HB3	1:105:A:HIS:HB2	2	0.85
(1,518)	1:104:A:ALA:HB1	1:105:A:HIS:HB2	14	0.85
(1,518)	1:104:A:ALA:HB2	1:105:A:HIS:HB2	14	0.85
(1,518)	1:104:A:ALA:HB3	1:105:A:HIS:HB2	14	0.85
(1,518)	1:104:A:ALA:HB1	1:105:A:HIS:HB2	16	0.85
(1,518)	1:104:A:ALA:HB2	1:105:A:HIS:HB2	16	0.85
(1,518)	1:104:A:ALA:HB3	1:105:A:HIS:HB2	16	0.85
(1,518)	1:104:A:ALA:HB1	1:105:A:HIS:HB2	17	0.85
(1,518)	1:104:A:ALA:HB2	1:105:A:HIS:HB2	17	0.85
(1,518)	1:104:A:ALA:HB3	1:105:A:HIS:HB2	17	0.85
(1,382)	1:233:B:GLU:H	1:233:B:GLU:HB3	4	0.85
(1,382)	1:233:B:GLU:H	1:233:B:GLU:HB3	10	0.85
(1,382)	1:233:B:GLU:H	1:233:B:GLU:HB3	11	0.85
(1,382)	1:233:B:GLU:H	1:233:B:GLU:HB3	14	0.85
(1,130)	1:133:A:GLU:H	1:133:A:GLU:HB3	1	0.85
(1,130)	1:133:A:GLU:H	1:133:A:GLU:HB3	10	0.85
(1,130)	1:133:A:GLU:H	1:133:A:GLU:HB3	11	0.85
(1,2326)	1:158:A:ILE:H	1:207:B:GLU:HG3	12	0.84
(1,2277)	1:156:A:ASP:HA	1:205:B:HIS:HB3	3	0.84
(1,2277)	1:156:A:ASP:HA	1:205:B:HIS:HB3	16	0.84
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG11	5	0.84
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG12	5	0.84
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG13	5	0.84
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG11	6	0.84
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG12	6	0.84
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG13	6	0.84
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG11	8	0.84
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG12	8	0.84
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG13	8	0.84
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG11	9	0.84
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG12	9	0.84
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG13	9	0.84
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG11	16	0.84
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG12	16	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG13	16	0.84
(1,2062)	1:105:A:HIS:HA	1:258:B:ILE:HG12	14	0.84
(1,1985)	1:220:B:LEU:HB2	1:229:B:ALA:H	13	0.84
(1,1985)	1:220:B:LEU:HB2	1:229:B:ALA:H	18	0.84
(1,1894)	1:210:B:VAL:HG11	1:216:B:TYR:HA	10	0.84
(1,1894)	1:210:B:VAL:HG12	1:216:B:TYR:HA	10	0.84
(1,1894)	1:210:B:VAL:HG13	1:216:B:TYR:HA	10	0.84
(1,1894)	1:210:B:VAL:HG11	1:216:B:TYR:HA	11	0.84
(1,1894)	1:210:B:VAL:HG12	1:216:B:TYR:HA	11	0.84
(1,1894)	1:210:B:VAL:HG13	1:216:B:TYR:HA	11	0.84
(1,1837)	1:207:B:GLU:HG2	1:221:B:VAL:HB	13	0.84
(1,1743)	1:120:A:LEU:HB2	1:129:A:ALA:H	1	0.84
(1,1743)	1:120:A:LEU:HB2	1:129:A:ALA:H	5	0.84
(1,1743)	1:120:A:LEU:HB2	1:129:A:ALA:H	7	0.84
(1,1652)	1:110:A:VAL:HG11	1:116:A:TYR:HA	2	0.84
(1,1652)	1:110:A:VAL:HG12	1:116:A:TYR:HA	2	0.84
(1,1652)	1:110:A:VAL:HG13	1:116:A:TYR:HA	2	0.84
(1,1652)	1:110:A:VAL:HG11	1:116:A:TYR:HA	3	0.84
(1,1652)	1:110:A:VAL:HG12	1:116:A:TYR:HA	3	0.84
(1,1652)	1:110:A:VAL:HG13	1:116:A:TYR:HA	3	0.84
(1,1595)	1:107:A:GLU:HG2	1:121:A:VAL:HB	18	0.84
(1,1580)	1:106:A:PHE:HD1	1:120:A:LEU:HB3	4	0.84
(1,1580)	1:106:A:PHE:HD2	1:120:A:LEU:HB3	4	0.84
(1,1580)	1:106:A:PHE:HD1	1:120:A:LEU:HB3	13	0.84
(1,1580)	1:106:A:PHE:HD2	1:120:A:LEU:HB3	13	0.84
(1,1537)	1:251:B:ASN:HA	1:253:B:PRO:HD3	5	0.84
(1,1529)	1:249:B:LYS:HA	1:253:B:PRO:HG2	5	0.84
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG21	18	0.84
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG22	18	0.84
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG23	18	0.84
(1,1450)	1:239:B:GLN:HA	1:242:B:LYS:HB3	7	0.84
(1,1450)	1:239:B:GLN:HA	1:242:B:LYS:HB3	11	0.84
(1,1331)	1:151:A:ASN:HA	1:153:A:PRO:HD3	10	0.84
(1,1323)	1:149:A:LYS:HA	1:153:A:PRO:HG2	7	0.84
(1,1323)	1:149:A:LYS:HA	1:153:A:PRO:HG2	11	0.84
(1,1168)	1:111:A:ASP:H	1:115:A:LYS:HG3	6	0.84
(1,1161)	1:111:A:ASP:HB2	1:114:A:ASP:H	9	0.84
(1,1161)	1:111:A:ASP:HB2	1:114:A:ASP:H	14	0.84
(1,1161)	1:111:A:ASP:HB2	1:114:A:ASP:H	15	0.84
(1,970)	1:226:B:ASN:HD22	1:227:B:ILE:H	9	0.84
(1,886)	1:211:B:ASP:HB2	1:212:B:ALA:H	10	0.84
(1,886)	1:211:B:ASP:HB2	1:212:B:ALA:H	13	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,886)	1:211:B:ASP:HB2	1:212:B:ALA:H	18	0.84
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB1	5	0.84
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB2	5	0.84
(1,885)	1:211:B:ASP:HB2	1:212:B:ALA:HB3	5	0.84
(1,879)	1:210:B:VAL:HG21	1:211:B:ASP:H	6	0.84
(1,879)	1:210:B:VAL:HG22	1:211:B:ASP:H	6	0.84
(1,879)	1:210:B:VAL:HG23	1:211:B:ASP:H	6	0.84
(1,834)	1:204:B:ALA:HB1	1:205:B:HIS:HB2	1	0.84
(1,834)	1:204:B:ALA:HB2	1:205:B:HIS:HB2	1	0.84
(1,834)	1:204:B:ALA:HB3	1:205:B:HIS:HB2	1	0.84
(1,834)	1:204:B:ALA:HB1	1:205:B:HIS:HB2	2	0.84
(1,834)	1:204:B:ALA:HB2	1:205:B:HIS:HB2	2	0.84
(1,834)	1:204:B:ALA:HB3	1:205:B:HIS:HB2	2	0.84
(1,834)	1:204:B:ALA:HB1	1:205:B:HIS:HB2	5	0.84
(1,834)	1:204:B:ALA:HB2	1:205:B:HIS:HB2	5	0.84
(1,834)	1:204:B:ALA:HB3	1:205:B:HIS:HB2	5	0.84
(1,654)	1:126:A:ASN:HD22	1:127:A:ILE:H	7	0.84
(1,563)	1:110:A:VAL:HG21	1:111:A:ASP:H	19	0.84
(1,563)	1:110:A:VAL:HG22	1:111:A:ASP:H	19	0.84
(1,563)	1:110:A:VAL:HG23	1:111:A:ASP:H	19	0.84
(1,2326)	1:158:A:ILE:H	1:207:B:GLU:HG3	20	0.83
(1,2320)	1:158:A:ILE:HG12	1:205:B:HIS:HA	12	0.83
(1,1985)	1:220:B:LEU:HB2	1:229:B:ALA:H	17	0.83
(1,1897)	1:210:B:VAL:HG11	1:216:B:TYR:H	15	0.83
(1,1897)	1:210:B:VAL:HG12	1:216:B:TYR:H	15	0.83
(1,1897)	1:210:B:VAL:HG13	1:216:B:TYR:H	15	0.83
(1,1837)	1:207:B:GLU:HG2	1:221:B:VAL:HB	9	0.83
(1,1743)	1:120:A:LEU:HB2	1:129:A:ALA:H	11	0.83
(1,1743)	1:120:A:LEU:HB2	1:129:A:ALA:H	12	0.83
(1,1743)	1:120:A:LEU:HB2	1:129:A:ALA:H	15	0.83
(1,1743)	1:120:A:LEU:HB2	1:129:A:ALA:H	19	0.83
(1,1580)	1:106:A:PHE:HD1	1:120:A:LEU:HB3	7	0.83
(1,1580)	1:106:A:PHE:HD2	1:120:A:LEU:HB3	7	0.83
(1,1580)	1:106:A:PHE:HD1	1:120:A:LEU:HB3	15	0.83
(1,1580)	1:106:A:PHE:HD2	1:120:A:LEU:HB3	15	0.83
(1,1580)	1:106:A:PHE:HD1	1:120:A:LEU:HB3	19	0.83
(1,1580)	1:106:A:PHE:HD2	1:120:A:LEU:HB3	19	0.83
(1,1537)	1:251:B:ASN:HA	1:253:B:PRO:HD3	4	0.83
(1,1537)	1:251:B:ASN:HA	1:253:B:PRO:HD3	17	0.83
(1,1529)	1:249:B:LYS:HA	1:253:B:PRO:HG2	11	0.83
(1,1374)	1:211:B:ASP:H	1:215:B:LYS:HG3	19	0.83
(1,1244)	1:139:A:GLN:HA	1:142:A:LYS:HB3	16	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1161)	1:111:A:ASP:HB2	1:114:A:ASP:H	20	0.83
(1,886)	1:211:B:ASP:HB2	1:212:B:ALA:H	8	0.83
(1,886)	1:211:B:ASP:HB2	1:212:B:ALA:H	15	0.83
(1,886)	1:211:B:ASP:HB2	1:212:B:ALA:H	17	0.83
(1,879)	1:210:B:VAL:HG21	1:211:B:ASP:H	12	0.83
(1,879)	1:210:B:VAL:HG22	1:211:B:ASP:H	12	0.83
(1,879)	1:210:B:VAL:HG23	1:211:B:ASP:H	12	0.83
(1,834)	1:204:B:ALA:HB1	1:205:B:HIS:HB2	3	0.83
(1,834)	1:204:B:ALA:HB2	1:205:B:HIS:HB2	3	0.83
(1,834)	1:204:B:ALA:HB3	1:205:B:HIS:HB2	3	0.83
(1,834)	1:204:B:ALA:HB1	1:205:B:HIS:HB2	8	0.83
(1,834)	1:204:B:ALA:HB2	1:205:B:HIS:HB2	8	0.83
(1,834)	1:204:B:ALA:HB3	1:205:B:HIS:HB2	8	0.83
(1,834)	1:204:B:ALA:HB1	1:205:B:HIS:HB2	13	0.83
(1,834)	1:204:B:ALA:HB2	1:205:B:HIS:HB2	13	0.83
(1,834)	1:204:B:ALA:HB3	1:205:B:HIS:HB2	13	0.83
(1,686)	1:133:A:GLU:HB2	1:134:A:GLY:H	2	0.83
(1,654)	1:126:A:ASN:HD22	1:127:A:ILE:H	1	0.83
(1,570)	1:111:A:ASP:HB2	1:112:A:ALA:H	17	0.83
(1,518)	1:104:A:ALA:HB1	1:105:A:HIS:HB2	1	0.83
(1,518)	1:104:A:ALA:HB2	1:105:A:HIS:HB2	1	0.83
(1,518)	1:104:A:ALA:HB3	1:105:A:HIS:HB2	1	0.83
(1,518)	1:104:A:ALA:HB1	1:105:A:HIS:HB2	3	0.83
(1,518)	1:104:A:ALA:HB2	1:105:A:HIS:HB2	3	0.83
(1,518)	1:104:A:ALA:HB3	1:105:A:HIS:HB2	3	0.83
(1,2320)	1:158:A:ILE:HG12	1:205:B:HIS:HA	4	0.82
(1,2211)	1:148:A:VAL:HG11	1:229:B:ALA:HA	3	0.82
(1,2211)	1:148:A:VAL:HG12	1:229:B:ALA:HA	3	0.82
(1,2211)	1:148:A:VAL:HG13	1:229:B:ALA:HA	3	0.82
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG11	3	0.82
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG12	3	0.82
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG13	3	0.82
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG11	4	0.82
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG12	4	0.82
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG13	4	0.82
(1,2105)	1:107:A:GLU:HG3	1:258:B:ILE:H	1	0.82
(1,2105)	1:107:A:GLU:HG3	1:258:B:ILE:H	4	0.82
(1,2105)	1:107:A:GLU:HG3	1:258:B:ILE:H	20	0.82
(1,1985)	1:220:B:LEU:HB2	1:229:B:ALA:H	3	0.82
(1,1985)	1:220:B:LEU:HB2	1:229:B:ALA:H	12	0.82
(1,1985)	1:220:B:LEU:HB2	1:229:B:ALA:H	20	0.82
(1,1894)	1:210:B:VAL:HG11	1:216:B:TYR:HA	2	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1894)	1:210:B:VAL:HG12	1:216:B:TYR:HA	2	0.82
(1,1894)	1:210:B:VAL:HG13	1:216:B:TYR:HA	2	0.82
(1,1894)	1:210:B:VAL:HG11	1:216:B:TYR:HA	16	0.82
(1,1894)	1:210:B:VAL:HG12	1:216:B:TYR:HA	16	0.82
(1,1894)	1:210:B:VAL:HG13	1:216:B:TYR:HA	16	0.82
(1,1837)	1:207:B:GLU:HG2	1:221:B:VAL:HB	15	0.82
(1,1743)	1:120:A:LEU:HB2	1:129:A:ALA:H	8	0.82
(1,1743)	1:120:A:LEU:HB2	1:129:A:ALA:H	13	0.82
(1,1743)	1:120:A:LEU:HB2	1:129:A:ALA:H	14	0.82
(1,1595)	1:107:A:GLU:HG2	1:121:A:VAL:HB	15	0.82
(1,1595)	1:107:A:GLU:HG2	1:121:A:VAL:HB	17	0.82
(1,1537)	1:251:B:ASN:HA	1:253:B:PRO:HD3	10	0.82
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG21	5	0.82
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG22	5	0.82
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG23	5	0.82
(1,1450)	1:239:B:GLN:HA	1:242:B:LYS:HB3	10	0.82
(1,1383)	1:215:B:LYS:HB2	1:217:B:ARG:HG2	2	0.82
(1,1350)	1:209:B:PHE:HE1	1:211:B:ASP:HB3	14	0.82
(1,1350)	1:209:B:PHE:HE2	1:211:B:ASP:HB3	14	0.82
(1,1323)	1:149:A:LYS:HA	1:153:A:PRO:HG2	20	0.82
(1,1244)	1:139:A:GLN:HA	1:142:A:LYS:HB3	5	0.82
(1,1002)	1:233:B:GLU:HB2	1:234:B:GLY:H	20	0.82
(1,886)	1:211:B:ASP:HB2	1:212:B:ALA:H	3	0.82
(1,886)	1:211:B:ASP:HB2	1:212:B:ALA:H	5	0.82
(1,886)	1:211:B:ASP:HB2	1:212:B:ALA:H	6	0.82
(1,654)	1:126:A:ASN:HD22	1:127:A:ILE:H	9	0.82
(1,344)	1:224:B:ASN:HB3	1:224:B:ASN:HD22	18	0.82
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG11	4	0.82
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG12	4	0.82
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG13	4	0.82
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG11	5	0.82
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG12	5	0.82
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG13	5	0.82
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG11	10	0.82
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG12	10	0.82
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG13	10	0.82
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG11	11	0.82
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG12	11	0.82
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG13	11	0.82
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG11	15	0.82
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG12	15	0.82
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG13	15	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG11	4	0.82
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG12	4	0.82
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG13	4	0.82
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG11	20	0.82
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG12	20	0.82
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG13	20	0.82
(1,8)	1:103:A:LYS:H	1:103:A:LYS:HB3	7	0.82
(1,2277)	1:156:A:ASP:HA	1:205:B:HIS:HB3	11	0.81
(1,2211)	1:148:A:VAL:HG11	1:229:B:ALA:HA	10	0.81
(1,2211)	1:148:A:VAL:HG12	1:229:B:ALA:HA	10	0.81
(1,2211)	1:148:A:VAL:HG13	1:229:B:ALA:HA	10	0.81
(1,2062)	1:105:A:HIS:HA	1:258:B:ILE:HG12	12	0.81
(1,1822)	1:206:B:PHE:HD1	1:220:B:LEU:HB3	1	0.81
(1,1822)	1:206:B:PHE:HD2	1:220:B:LEU:HB3	1	0.81
(1,1743)	1:120:A:LEU:HB2	1:129:A:ALA:H	16	0.81
(1,1537)	1:251:B:ASN:HA	1:253:B:PRO:HD3	2	0.81
(1,1537)	1:251:B:ASN:HA	1:253:B:PRO:HD3	12	0.81
(1,1537)	1:251:B:ASN:HA	1:253:B:PRO:HD3	16	0.81
(1,1537)	1:251:B:ASN:HA	1:253:B:PRO:HD3	20	0.81
(1,1367)	1:211:B:ASP:HB2	1:214:B:ASP:H	17	0.81
(1,1350)	1:209:B:PHE:HE1	1:211:B:ASP:HB3	20	0.81
(1,1350)	1:209:B:PHE:HE2	1:211:B:ASP:HB3	20	0.81
(1,1331)	1:151:A:ASN:HA	1:153:A:PRO:HD3	11	0.81
(1,1331)	1:151:A:ASN:HA	1:153:A:PRO:HD3	17	0.81
(1,1331)	1:151:A:ASN:HA	1:153:A:PRO:HD3	18	0.81
(1,1323)	1:149:A:LYS:HA	1:153:A:PRO:HG2	4	0.81
(1,1323)	1:149:A:LYS:HA	1:153:A:PRO:HG2	13	0.81
(1,1323)	1:149:A:LYS:HA	1:153:A:PRO:HG2	16	0.81
(1,1177)	1:115:A:LYS:HB2	1:117:A:ARG:HG2	3	0.81
(1,1161)	1:111:A:ASP:HB2	1:114:A:ASP:H	1	0.81
(1,1161)	1:111:A:ASP:HB2	1:114:A:ASP:H	17	0.81
(1,962)	1:225:B:GLY:HA3	1:226:B:ASN:HD21	3	0.81
(1,834)	1:204:B:ALA:HB1	1:205:B:HIS:HB2	15	0.81
(1,834)	1:204:B:ALA:HB2	1:205:B:HIS:HB2	15	0.81
(1,834)	1:204:B:ALA:HB3	1:205:B:HIS:HB2	15	0.81
(1,823)	1:202:B:ASN:HA	1:203:B:LYS:HG3	3	0.81
(1,765)	1:150:A:ARG:HB3	1:151:A:ASN:HB3	8	0.81
(1,723)	1:142:A:LYS:HB3	1:143:A:GLN:H	9	0.81
(1,570)	1:111:A:ASP:HB2	1:112:A:ALA:H	6	0.81
(1,518)	1:104:A:ALA:HB1	1:105:A:HIS:HB2	7	0.81
(1,518)	1:104:A:ALA:HB2	1:105:A:HIS:HB2	7	0.81
(1,518)	1:104:A:ALA:HB3	1:105:A:HIS:HB2	7	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,518)	1:104:A:ALA:HB1	1:105:A:HIS:HB2	8	0.81
(1,518)	1:104:A:ALA:HB2	1:105:A:HIS:HB2	8	0.81
(1,518)	1:104:A:ALA:HB3	1:105:A:HIS:HB2	8	0.81
(1,518)	1:104:A:ALA:HB1	1:105:A:HIS:HB2	18	0.81
(1,518)	1:104:A:ALA:HB2	1:105:A:HIS:HB2	18	0.81
(1,518)	1:104:A:ALA:HB3	1:105:A:HIS:HB2	18	0.81
(1,518)	1:104:A:ALA:HB1	1:105:A:HIS:HB2	20	0.81
(1,518)	1:104:A:ALA:HB2	1:105:A:HIS:HB2	20	0.81
(1,518)	1:104:A:ALA:HB3	1:105:A:HIS:HB2	20	0.81
(1,382)	1:233:B:GLU:H	1:233:B:GLU:HB3	20	0.81
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG11	6	0.81
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG12	6	0.81
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG13	6	0.81
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG11	18	0.81
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG12	18	0.81
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG13	18	0.81
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG11	19	0.81
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG12	19	0.81
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG13	19	0.81
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG11	20	0.81
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG12	20	0.81
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG13	20	0.81
(1,260)	1:203:B:LYS:H	1:203:B:LYS:HB3	5	0.81
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG11	5	0.81
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG12	5	0.81
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG13	5	0.81
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG11	6	0.81
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG12	6	0.81
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG13	6	0.81
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG11	7	0.81
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG12	7	0.81
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG13	7	0.81
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG11	8	0.81
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG12	8	0.81
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG13	8	0.81
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG11	11	0.81
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG12	11	0.81
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG13	11	0.81
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG11	19	0.81
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG12	19	0.81
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG13	19	0.81
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG11	18	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG12	18	0.8
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG13	18	0.8
(1,2063)	1:105:A:HIS:HB3	1:256:B:ASP:HA	5	0.8
(1,2063)	1:105:A:HIS:HB3	1:256:B:ASP:HA	13	0.8
(1,1985)	1:220:B:LEU:HB2	1:229:B:ALA:H	11	0.8
(1,1985)	1:220:B:LEU:HB2	1:229:B:ALA:H	19	0.8
(1,1894)	1:210:B:VAL:HG11	1:216:B:TYR:HA	19	0.8
(1,1894)	1:210:B:VAL:HG12	1:216:B:TYR:HA	19	0.8
(1,1894)	1:210:B:VAL:HG13	1:216:B:TYR:HA	19	0.8
(1,1857)	1:208:B:VAL:HG11	1:219:B:ARG:H	12	0.8
(1,1857)	1:208:B:VAL:HG12	1:219:B:ARG:H	12	0.8
(1,1857)	1:208:B:VAL:HG13	1:219:B:ARG:H	12	0.8
(1,1743)	1:120:A:LEU:HB2	1:129:A:ALA:H	3	0.8
(1,1743)	1:120:A:LEU:HB2	1:129:A:ALA:H	6	0.8
(1,1743)	1:120:A:LEU:HB2	1:129:A:ALA:H	10	0.8
(1,1743)	1:120:A:LEU:HB2	1:129:A:ALA:H	17	0.8
(1,1537)	1:251:B:ASN:HA	1:253:B:PRO:HD3	1	0.8
(1,1529)	1:249:B:LYS:HA	1:253:B:PRO:HG2	6	0.8
(1,1524)	1:248:B:VAL:HG21	1:250:B:ARG:H	13	0.8
(1,1524)	1:248:B:VAL:HG22	1:250:B:ARG:H	13	0.8
(1,1524)	1:248:B:VAL:HG23	1:250:B:ARG:H	13	0.8
(1,1450)	1:239:B:GLN:HA	1:242:B:LYS:HB3	16	0.8
(1,1367)	1:211:B:ASP:HB2	1:214:B:ASP:H	15	0.8
(1,1367)	1:211:B:ASP:HB2	1:214:B:ASP:H	18	0.8
(1,1323)	1:149:A:LYS:HA	1:153:A:PRO:HG2	17	0.8
(1,1168)	1:111:A:ASP:H	1:115:A:LYS:HG3	4	0.8
(1,1161)	1:111:A:ASP:HB2	1:114:A:ASP:H	12	0.8
(1,1161)	1:111:A:ASP:HB2	1:114:A:ASP:H	18	0.8
(1,1081)	1:250:B:ARG:HB3	1:251:B:ASN:HB3	10	0.8
(1,1039)	1:242:B:LYS:HB3	1:243:B:GLN:H	5	0.8
(1,886)	1:211:B:ASP:HB2	1:212:B:ALA:H	9	0.8
(1,886)	1:211:B:ASP:HB2	1:212:B:ALA:H	19	0.8
(1,723)	1:142:A:LYS:HB3	1:143:A:GLN:H	3	0.8
(1,723)	1:142:A:LYS:HB3	1:143:A:GLN:H	18	0.8
(1,686)	1:133:A:GLU:HB2	1:134:A:GLY:H	20	0.8
(1,570)	1:111:A:ASP:HB2	1:112:A:ALA:H	4	0.8
(1,518)	1:104:A:ALA:HB1	1:105:A:HIS:HB2	9	0.8
(1,518)	1:104:A:ALA:HB2	1:105:A:HIS:HB2	9	0.8
(1,518)	1:104:A:ALA:HB3	1:105:A:HIS:HB2	9	0.8
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG11	1	0.8
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG12	1	0.8
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG13	1	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG11	7	0.8
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG12	7	0.8
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG13	7	0.8
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG11	8	0.8
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG12	8	0.8
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG13	8	0.8
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG11	12	0.8
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG12	12	0.8
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG13	12	0.8
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG11	13	0.8
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG12	13	0.8
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG13	13	0.8
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG11	16	0.8
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG12	16	0.8
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG13	16	0.8
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG11	17	0.8
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG12	17	0.8
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG13	17	0.8
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG11	2	0.8
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG12	2	0.8
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG13	2	0.8
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG11	9	0.8
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG12	9	0.8
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG13	9	0.8
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG11	12	0.8
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG12	12	0.8
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG13	12	0.8
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG11	13	0.8
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG12	13	0.8
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG13	13	0.8
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG11	16	0.8
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG12	16	0.8
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG13	16	0.8
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG11	17	0.8
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG12	17	0.8
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG13	17	0.8
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG11	18	0.8
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG12	18	0.8
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG13	18	0.8
(1,2063)	1:105:A:HIS:HB3	1:256:B:ASP:HA	12	0.79
(1,2062)	1:105:A:HIS:HA	1:258:B:ILE:HG12	9	0.79
(1,1985)	1:220:B:LEU:HB2	1:229:B:ALA:H	6	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1822)	1:206:B:PHE:HD1	1:220:B:LEU:HB3	6	0.79
(1,1822)	1:206:B:PHE:HD2	1:220:B:LEU:HB3	6	0.79
(1,1822)	1:206:B:PHE:HD1	1:220:B:LEU:HB3	9	0.79
(1,1822)	1:206:B:PHE:HD2	1:220:B:LEU:HB3	9	0.79
(1,1822)	1:206:B:PHE:HD1	1:220:B:LEU:HB3	15	0.79
(1,1822)	1:206:B:PHE:HD2	1:220:B:LEU:HB3	15	0.79
(1,1652)	1:110:A:VAL:HG11	1:116:A:TYR:HA	8	0.79
(1,1652)	1:110:A:VAL:HG12	1:116:A:TYR:HA	8	0.79
(1,1652)	1:110:A:VAL:HG13	1:116:A:TYR:HA	8	0.79
(1,1595)	1:107:A:GLU:HG2	1:121:A:VAL:HB	14	0.79
(1,1580)	1:106:A:PHE:HD1	1:120:A:LEU:HB3	1	0.79
(1,1580)	1:106:A:PHE:HD2	1:120:A:LEU:HB3	1	0.79
(1,1580)	1:106:A:PHE:HD1	1:120:A:LEU:HB3	11	0.79
(1,1580)	1:106:A:PHE:HD2	1:120:A:LEU:HB3	11	0.79
(1,1524)	1:248:B:VAL:HG21	1:250:B:ARG:H	10	0.79
(1,1524)	1:248:B:VAL:HG22	1:250:B:ARG:H	10	0.79
(1,1524)	1:248:B:VAL:HG23	1:250:B:ARG:H	10	0.79
(1,1450)	1:239:B:GLN:HA	1:242:B:LYS:HB3	6	0.79
(1,1367)	1:211:B:ASP:HB2	1:214:B:ASP:H	10	0.79
(1,1367)	1:211:B:ASP:HB2	1:214:B:ASP:H	14	0.79
(1,1323)	1:149:A:LYS:HA	1:153:A:PRO:HG2	3	0.79
(1,1318)	1:148:A:VAL:HG21	1:150:A:ARG:H	14	0.79
(1,1318)	1:148:A:VAL:HG22	1:150:A:ARG:H	14	0.79
(1,1318)	1:148:A:VAL:HG23	1:150:A:ARG:H	14	0.79
(1,1161)	1:111:A:ASP:HB2	1:114:A:ASP:H	10	0.79
(1,1144)	1:109:A:PHE:HE1	1:111:A:ASP:HB3	1	0.79
(1,1144)	1:109:A:PHE:HE2	1:111:A:ASP:HB3	1	0.79
(1,1081)	1:250:B:ARG:HB3	1:251:B:ASN:HB3	14	0.79
(1,1081)	1:250:B:ARG:HB3	1:251:B:ASN:HB3	19	0.79
(1,1039)	1:242:B:LYS:HB3	1:243:B:GLN:H	14	0.79
(1,1039)	1:242:B:LYS:HB3	1:243:B:GLN:H	18	0.79
(1,823)	1:202:B:ASN:HA	1:203:B:LYS:HG3	19	0.79
(1,723)	1:142:A:LYS:HB3	1:143:A:GLN:H	1	0.79
(1,646)	1:125:A:GLY:HA3	1:126:A:ASN:HD21	10	0.79
(1,353)	1:226:B:ASN:HB2	1:226:B:ASN:HD22	2	0.79
(1,353)	1:226:B:ASN:HB2	1:226:B:ASN:HD22	8	0.79
(1,353)	1:226:B:ASN:HB2	1:226:B:ASN:HD22	12	0.79
(1,353)	1:226:B:ASN:HB2	1:226:B:ASN:HD22	14	0.79
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG11	2	0.79
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG12	2	0.79
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG13	2	0.79
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG11	3	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG12	3	0.79
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG13	3	0.79
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG11	14	0.79
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG12	14	0.79
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG13	14	0.79
(1,101)	1:126:A:ASN:HB2	1:126:A:ASN:HD22	2	0.79
(1,101)	1:126:A:ASN:HB2	1:126:A:ASN:HD22	3	0.79
(1,101)	1:126:A:ASN:HB2	1:126:A:ASN:HD22	18	0.79
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG11	1	0.79
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG12	1	0.79
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG13	1	0.79
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG11	3	0.79
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG12	3	0.79
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG13	3	0.79
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG11	10	0.79
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG12	10	0.79
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG13	10	0.79
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG11	14	0.79
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG12	14	0.79
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG13	14	0.79
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG11	15	0.79
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG12	15	0.79
(1,25)	1:108:A:VAL:H	1:108:A:VAL:HG13	15	0.79
(1,2211)	1:148:A:VAL:HG11	1:229:B:ALA:HA	2	0.78
(1,2211)	1:148:A:VAL:HG12	1:229:B:ALA:HA	2	0.78
(1,2211)	1:148:A:VAL:HG13	1:229:B:ALA:HA	2	0.78
(1,2062)	1:105:A:HIS:HA	1:258:B:ILE:HG12	20	0.78
(1,1985)	1:220:B:LEU:HB2	1:229:B:ALA:H	10	0.78
(1,1822)	1:206:B:PHE:HD1	1:220:B:LEU:HB3	2	0.78
(1,1822)	1:206:B:PHE:HD2	1:220:B:LEU:HB3	2	0.78
(1,1705)	1:118:A:TRP:HD1	1:142:A:LYS:HG3	19	0.78
(1,1580)	1:106:A:PHE:HD1	1:120:A:LEU:HB3	5	0.78
(1,1580)	1:106:A:PHE:HD2	1:120:A:LEU:HB3	5	0.78
(1,1580)	1:106:A:PHE:HD1	1:120:A:LEU:HB3	6	0.78
(1,1580)	1:106:A:PHE:HD2	1:120:A:LEU:HB3	6	0.78
(1,1537)	1:251:B:ASN:HA	1:253:B:PRO:HD3	9	0.78
(1,1529)	1:249:B:LYS:HA	1:253:B:PRO:HG2	2	0.78
(1,1450)	1:239:B:GLN:HA	1:242:B:LYS:HB3	12	0.78
(1,1383)	1:215:B:LYS:HB2	1:217:B:ARG:HG2	14	0.78
(1,1362)	1:211:B:ASP:HA	1:215:B:LYS:HG3	4	0.78
(1,1350)	1:209:B:PHE:HE1	1:211:B:ASP:HB3	9	0.78
(1,1350)	1:209:B:PHE:HE2	1:211:B:ASP:HB3	9	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1331)	1:151:A:ASN:HA	1:153:A:PRO:HD3	12	0.78
(1,1331)	1:151:A:ASN:HA	1:153:A:PRO:HD3	16	0.78
(1,1323)	1:149:A:LYS:HA	1:153:A:PRO:HG2	15	0.78
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG21	1	0.78
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG22	1	0.78
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG23	1	0.78
(1,1177)	1:115:A:LYS:HB2	1:117:A:ARG:HG2	10	0.78
(1,1081)	1:250:B:ARG:HB3	1:251:B:ASN:HB3	4	0.78
(1,1002)	1:233:B:GLU:HB2	1:234:B:GLY:H	7	0.78
(1,1002)	1:233:B:GLU:HB2	1:234:B:GLY:H	16	0.78
(1,765)	1:150:A:ARG:HB3	1:151:A:ASN:HB3	20	0.78
(1,723)	1:142:A:LYS:HB3	1:143:A:GLN:H	8	0.78
(1,353)	1:226:B:ASN:HB2	1:226:B:ASN:HD22	6	0.78
(1,353)	1:226:B:ASN:HB2	1:226:B:ASN:HD22	16	0.78
(1,353)	1:226:B:ASN:HB2	1:226:B:ASN:HD22	18	0.78
(1,353)	1:226:B:ASN:HB2	1:226:B:ASN:HD22	19	0.78
(1,245)	1:159:A:GLU:HA	1:159:A:GLU:HG3	20	0.78
(1,101)	1:126:A:ASN:HB2	1:126:A:ASN:HD22	1	0.78
(1,101)	1:126:A:ASN:HB2	1:126:A:ASN:HD22	4	0.78
(1,101)	1:126:A:ASN:HB2	1:126:A:ASN:HD22	5	0.78
(1,101)	1:126:A:ASN:HB2	1:126:A:ASN:HD22	8	0.78
(1,101)	1:126:A:ASN:HB2	1:126:A:ASN:HD22	9	0.78
(1,101)	1:126:A:ASN:HB2	1:126:A:ASN:HD22	11	0.78
(1,101)	1:126:A:ASN:HB2	1:126:A:ASN:HD22	14	0.78
(1,101)	1:126:A:ASN:HB2	1:126:A:ASN:HD22	15	0.78
(1,101)	1:126:A:ASN:HB2	1:126:A:ASN:HD22	20	0.78
(1,98)	1:126:A:ASN:HA	1:126:A:ASN:HD22	10	0.78
(1,2326)	1:158:A:ILE:H	1:207:B:GLU:HG3	2	0.77
(1,2277)	1:156:A:ASP:HA	1:205:B:HIS:HB3	12	0.77
(1,2105)	1:107:A:GLU:HG3	1:258:B:ILE:H	17	0.77
(1,2085)	1:106:A:PHE:HD1	1:257:B:VAL:HG11	7	0.77
(1,2085)	1:106:A:PHE:HD1	1:257:B:VAL:HG12	7	0.77
(1,2085)	1:106:A:PHE:HD1	1:257:B:VAL:HG13	7	0.77
(1,2085)	1:106:A:PHE:HD2	1:257:B:VAL:HG11	7	0.77
(1,2085)	1:106:A:PHE:HD2	1:257:B:VAL:HG12	7	0.77
(1,2085)	1:106:A:PHE:HD2	1:257:B:VAL:HG13	7	0.77
(1,2062)	1:105:A:HIS:HA	1:258:B:ILE:HG12	17	0.77
(1,1894)	1:210:B:VAL:HG11	1:216:B:TYR:HA	14	0.77
(1,1894)	1:210:B:VAL:HG12	1:216:B:TYR:HA	14	0.77
(1,1894)	1:210:B:VAL:HG13	1:216:B:TYR:HA	14	0.77
(1,1837)	1:207:B:GLU:HG2	1:221:B:VAL:HB	19	0.77
(1,1822)	1:206:B:PHE:HD1	1:220:B:LEU:HB3	8	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1822)	1:206:B:PHE:HD2	1:220:B:LEU:HB3	8	0.77
(1,1619)	1:108:A:VAL:HG21	1:116:A:TYR:HB3	4	0.77
(1,1619)	1:108:A:VAL:HG22	1:116:A:TYR:HB3	4	0.77
(1,1619)	1:108:A:VAL:HG23	1:116:A:TYR:HB3	4	0.77
(1,1580)	1:106:A:PHE:HD1	1:120:A:LEU:HB3	20	0.77
(1,1580)	1:106:A:PHE:HD2	1:120:A:LEU:HB3	20	0.77
(1,1529)	1:249:B:LYS:HA	1:253:B:PRO:HG2	3	0.77
(1,1524)	1:248:B:VAL:HG21	1:250:B:ARG:H	5	0.77
(1,1524)	1:248:B:VAL:HG22	1:250:B:ARG:H	5	0.77
(1,1524)	1:248:B:VAL:HG23	1:250:B:ARG:H	5	0.77
(1,1450)	1:239:B:GLN:HA	1:242:B:LYS:HB3	13	0.77
(1,1450)	1:239:B:GLN:HA	1:242:B:LYS:HB3	15	0.77
(1,1383)	1:215:B:LYS:HB2	1:217:B:ARG:HG2	8	0.77
(1,1362)	1:211:B:ASP:HA	1:215:B:LYS:HG3	12	0.77
(1,1318)	1:148:A:VAL:HG21	1:150:A:ARG:H	20	0.77
(1,1318)	1:148:A:VAL:HG22	1:150:A:ARG:H	20	0.77
(1,1318)	1:148:A:VAL:HG23	1:150:A:ARG:H	20	0.77
(1,1039)	1:242:B:LYS:HB3	1:243:B:GLN:H	3	0.77
(1,1039)	1:242:B:LYS:HB3	1:243:B:GLN:H	4	0.77
(1,1039)	1:242:B:LYS:HB3	1:243:B:GLN:H	9	0.77
(1,1039)	1:242:B:LYS:HB3	1:243:B:GLN:H	13	0.77
(1,1039)	1:242:B:LYS:HB3	1:243:B:GLN:H	15	0.77
(1,1039)	1:242:B:LYS:HB3	1:243:B:GLN:H	20	0.77
(1,1005)	1:234:B:GLY:HA3	1:235:B:TYR:H	4	0.77
(1,765)	1:150:A:ARG:HB3	1:151:A:ASN:HB3	10	0.77
(1,765)	1:150:A:ARG:HB3	1:151:A:ASN:HB3	14	0.77
(1,723)	1:142:A:LYS:HB3	1:143:A:GLN:H	2	0.77
(1,723)	1:142:A:LYS:HB3	1:143:A:GLN:H	7	0.77
(1,723)	1:142:A:LYS:HB3	1:143:A:GLN:H	14	0.77
(1,723)	1:142:A:LYS:HB3	1:143:A:GLN:H	17	0.77
(1,723)	1:142:A:LYS:HB3	1:143:A:GLN:H	20	0.77
(1,646)	1:125:A:GLY:HA3	1:126:A:ASN:HD21	17	0.77
(1,507)	1:102:A:ASN:HA	1:103:A:LYS:HG3	18	0.77
(1,353)	1:226:B:ASN:HB2	1:226:B:ASN:HD22	4	0.77
(1,353)	1:226:B:ASN:HB2	1:226:B:ASN:HD22	5	0.77
(1,353)	1:226:B:ASN:HB2	1:226:B:ASN:HD22	7	0.77
(1,353)	1:226:B:ASN:HB2	1:226:B:ASN:HD22	9	0.77
(1,353)	1:226:B:ASN:HB2	1:226:B:ASN:HD22	10	0.77
(1,353)	1:226:B:ASN:HB2	1:226:B:ASN:HD22	11	0.77
(1,353)	1:226:B:ASN:HB2	1:226:B:ASN:HD22	13	0.77
(1,353)	1:226:B:ASN:HB2	1:226:B:ASN:HD22	15	0.77
(1,353)	1:226:B:ASN:HB2	1:226:B:ASN:HD22	17	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,353)	1:226:B:ASN:HB2	1:226:B:ASN:HD22	20	0.77
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG11	9	0.77
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG12	9	0.77
(1,277)	1:208:B:VAL:H	1:208:B:VAL:HG13	9	0.77
(1,101)	1:126:A:ASN:HB2	1:126:A:ASN:HD22	6	0.77
(1,101)	1:126:A:ASN:HB2	1:126:A:ASN:HD22	7	0.77
(1,101)	1:126:A:ASN:HB2	1:126:A:ASN:HD22	12	0.77
(1,101)	1:126:A:ASN:HB2	1:126:A:ASN:HD22	13	0.77
(1,101)	1:126:A:ASN:HB2	1:126:A:ASN:HD22	19	0.77
(1,2311)	1:158:A:ILE:HB	1:207:B:GLU:HG3	2	0.76
(1,2298)	1:157:A:VAL:HG11	1:206:B:PHE:HD1	6	0.76
(1,2298)	1:157:A:VAL:HG11	1:206:B:PHE:HD2	6	0.76
(1,2298)	1:157:A:VAL:HG12	1:206:B:PHE:HD1	6	0.76
(1,2298)	1:157:A:VAL:HG12	1:206:B:PHE:HD2	6	0.76
(1,2298)	1:157:A:VAL:HG13	1:206:B:PHE:HD1	6	0.76
(1,2298)	1:157:A:VAL:HG13	1:206:B:PHE:HD2	6	0.76
(1,2298)	1:157:A:VAL:HG11	1:206:B:PHE:HD1	12	0.76
(1,2298)	1:157:A:VAL:HG11	1:206:B:PHE:HD2	12	0.76
(1,2298)	1:157:A:VAL:HG12	1:206:B:PHE:HD1	12	0.76
(1,2298)	1:157:A:VAL:HG12	1:206:B:PHE:HD2	12	0.76
(1,2298)	1:157:A:VAL:HG13	1:206:B:PHE:HD1	12	0.76
(1,2298)	1:157:A:VAL:HG13	1:206:B:PHE:HD2	12	0.76
(1,2085)	1:106:A:PHE:HD1	1:257:B:VAL:HG11	12	0.76
(1,2085)	1:106:A:PHE:HD1	1:257:B:VAL:HG12	12	0.76
(1,2085)	1:106:A:PHE:HD1	1:257:B:VAL:HG13	12	0.76
(1,2085)	1:106:A:PHE:HD2	1:257:B:VAL:HG11	12	0.76
(1,2085)	1:106:A:PHE:HD2	1:257:B:VAL:HG12	12	0.76
(1,2085)	1:106:A:PHE:HD2	1:257:B:VAL:HG13	12	0.76
(1,1822)	1:206:B:PHE:HD1	1:220:B:LEU:HB3	4	0.76
(1,1822)	1:206:B:PHE:HD2	1:220:B:LEU:HB3	4	0.76
(1,1822)	1:206:B:PHE:HD1	1:220:B:LEU:HB3	5	0.76
(1,1822)	1:206:B:PHE:HD2	1:220:B:LEU:HB3	5	0.76
(1,1822)	1:206:B:PHE:HD1	1:220:B:LEU:HB3	7	0.76
(1,1822)	1:206:B:PHE:HD2	1:220:B:LEU:HB3	7	0.76
(1,1620)	1:108:A:VAL:HG21	1:117:A:ARG:H	4	0.76
(1,1620)	1:108:A:VAL:HG22	1:117:A:ARG:H	4	0.76
(1,1620)	1:108:A:VAL:HG23	1:117:A:ARG:H	4	0.76
(1,1580)	1:106:A:PHE:HD1	1:120:A:LEU:HB3	2	0.76
(1,1580)	1:106:A:PHE:HD2	1:120:A:LEU:HB3	2	0.76
(1,1580)	1:106:A:PHE:HD1	1:120:A:LEU:HB3	3	0.76
(1,1580)	1:106:A:PHE:HD2	1:120:A:LEU:HB3	3	0.76
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG21	3	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG22	3	0.76
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG23	3	0.76
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG21	19	0.76
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG22	19	0.76
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG23	19	0.76
(1,1367)	1:211:B:ASP:HB2	1:214:B:ASP:H	7	0.76
(1,1362)	1:211:B:ASP:HA	1:215:B:LYS:HG3	2	0.76
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG21	14	0.76
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG22	14	0.76
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG23	14	0.76
(1,1244)	1:139:A:GLN:HA	1:142:A:LYS:HB3	6	0.76
(1,1161)	1:111:A:ASP:HB2	1:114:A:ASP:H	16	0.76
(1,1144)	1:109:A:PHE:HE1	1:111:A:ASP:HB3	15	0.76
(1,1144)	1:109:A:PHE:HE2	1:111:A:ASP:HB3	15	0.76
(1,1081)	1:250:B:ARG:HB3	1:251:B:ASN:HB3	15	0.76
(1,1039)	1:242:B:LYS:HB3	1:243:B:GLN:H	1	0.76
(1,1039)	1:242:B:LYS:HB3	1:243:B:GLN:H	2	0.76
(1,1039)	1:242:B:LYS:HB3	1:243:B:GLN:H	6	0.76
(1,1039)	1:242:B:LYS:HB3	1:243:B:GLN:H	7	0.76
(1,1039)	1:242:B:LYS:HB3	1:243:B:GLN:H	8	0.76
(1,1039)	1:242:B:LYS:HB3	1:243:B:GLN:H	11	0.76
(1,1039)	1:242:B:LYS:HB3	1:243:B:GLN:H	16	0.76
(1,1039)	1:242:B:LYS:HB3	1:243:B:GLN:H	19	0.76
(1,962)	1:225:B:GLY:HA3	1:226:B:ASN:HD21	1	0.76
(1,879)	1:210:B:VAL:HG21	1:211:B:ASP:H	15	0.76
(1,879)	1:210:B:VAL:HG22	1:211:B:ASP:H	15	0.76
(1,879)	1:210:B:VAL:HG23	1:211:B:ASP:H	15	0.76
(1,765)	1:150:A:ARG:HB3	1:151:A:ASN:HB3	6	0.76
(1,723)	1:142:A:LYS:HB3	1:143:A:GLN:H	4	0.76
(1,723)	1:142:A:LYS:HB3	1:143:A:GLN:H	5	0.76
(1,723)	1:142:A:LYS:HB3	1:143:A:GLN:H	11	0.76
(1,723)	1:142:A:LYS:HB3	1:143:A:GLN:H	13	0.76
(1,723)	1:142:A:LYS:HB3	1:143:A:GLN:H	16	0.76
(1,245)	1:159:A:GLU:HA	1:159:A:GLU:HG3	2	0.76
(1,245)	1:159:A:GLU:HA	1:159:A:GLU:HG3	3	0.76
(1,101)	1:126:A:ASN:HB2	1:126:A:ASN:HD22	16	0.76
(1,2063)	1:105:A:HIS:HB3	1:256:B:ASP:HA	2	0.75
(1,1985)	1:220:B:LEU:HB2	1:229:B:ALA:H	16	0.75
(1,1822)	1:206:B:PHE:HD1	1:220:B:LEU:HB3	19	0.75
(1,1822)	1:206:B:PHE:HD2	1:220:B:LEU:HB3	19	0.75
(1,1580)	1:106:A:PHE:HD1	1:120:A:LEU:HB3	12	0.75
(1,1580)	1:106:A:PHE:HD2	1:120:A:LEU:HB3	12	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1524)	1:248:B:VAL:HG21	1:250:B:ARG:H	15	0.75
(1,1524)	1:248:B:VAL:HG22	1:250:B:ARG:H	15	0.75
(1,1524)	1:248:B:VAL:HG23	1:250:B:ARG:H	15	0.75
(1,1450)	1:239:B:GLN:HA	1:242:B:LYS:HB3	9	0.75
(1,1367)	1:211:B:ASP:HB2	1:214:B:ASP:H	5	0.75
(1,1331)	1:151:A:ASN:HA	1:153:A:PRO:HD3	15	0.75
(1,1318)	1:148:A:VAL:HG21	1:150:A:ARG:H	4	0.75
(1,1318)	1:148:A:VAL:HG22	1:150:A:ARG:H	4	0.75
(1,1318)	1:148:A:VAL:HG23	1:150:A:ARG:H	4	0.75
(1,1177)	1:115:A:LYS:HB2	1:117:A:ARG:HG2	15	0.75
(1,1161)	1:111:A:ASP:HB2	1:114:A:ASP:H	11	0.75
(1,1156)	1:111:A:ASP:HA	1:115:A:LYS:HG3	2	0.75
(1,1152)	1:110:A:VAL:HG21	1:114:A:ASP:HA	13	0.75
(1,1152)	1:110:A:VAL:HG22	1:114:A:ASP:HA	13	0.75
(1,1152)	1:110:A:VAL:HG23	1:114:A:ASP:HA	13	0.75
(1,1081)	1:250:B:ARG:HB3	1:251:B:ASN:HB3	11	0.75
(1,1081)	1:250:B:ARG:HB3	1:251:B:ASN:HB3	18	0.75
(1,1039)	1:242:B:LYS:HB3	1:243:B:GLN:H	17	0.75
(1,823)	1:202:B:ASN:HA	1:203:B:LYS:HG3	9	0.75
(1,723)	1:142:A:LYS:HB3	1:143:A:GLN:H	15	0.75
(1,686)	1:133:A:GLU:HB2	1:134:A:GLY:H	17	0.75
(1,507)	1:102:A:ASN:HA	1:103:A:LYS:HG3	7	0.75
(1,419)	1:242:B:LYS:HG2	1:242:B:LYS:HE3	5	0.75
(1,419)	1:242:B:LYS:HG2	1:242:B:LYS:HE3	16	0.75
(1,245)	1:159:A:GLU:HA	1:159:A:GLU:HG3	14	0.75
(1,167)	1:142:A:LYS:HG2	1:142:A:LYS:HE3	1	0.75
(1,167)	1:142:A:LYS:HG2	1:142:A:LYS:HE3	18	0.75
(1,98)	1:126:A:ASN:HA	1:126:A:ASN:HD22	17	0.75
(1,2326)	1:158:A:ILE:H	1:207:B:GLU:HG3	10	0.74
(1,2311)	1:158:A:ILE:HB	1:207:B:GLU:HG3	7	0.74
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD21	14	0.74
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD22	14	0.74
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD23	14	0.74
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD21	14	0.74
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD22	14	0.74
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD23	14	0.74
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD21	14	0.74
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD22	14	0.74
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD23	14	0.74
(1,1897)	1:210:B:VAL:HG11	1:216:B:TYR:H	8	0.74
(1,1897)	1:210:B:VAL:HG12	1:216:B:TYR:H	8	0.74
(1,1897)	1:210:B:VAL:HG13	1:216:B:TYR:H	8	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1861)	1:208:B:VAL:HG21	1:216:B:TYR:HB3	9	0.74
(1,1861)	1:208:B:VAL:HG22	1:216:B:TYR:HB3	9	0.74
(1,1861)	1:208:B:VAL:HG23	1:216:B:TYR:HB3	9	0.74
(1,1822)	1:206:B:PHE:HD1	1:220:B:LEU:HB3	20	0.74
(1,1822)	1:206:B:PHE:HD2	1:220:B:LEU:HB3	20	0.74
(1,1652)	1:110:A:VAL:HG11	1:116:A:TYR:HA	13	0.74
(1,1652)	1:110:A:VAL:HG12	1:116:A:TYR:HA	13	0.74
(1,1652)	1:110:A:VAL:HG13	1:116:A:TYR:HA	13	0.74
(1,1580)	1:106:A:PHE:HD1	1:120:A:LEU:HB3	9	0.74
(1,1580)	1:106:A:PHE:HD2	1:120:A:LEU:HB3	9	0.74
(1,1529)	1:249:B:LYS:HA	1:253:B:PRO:HG2	16	0.74
(1,1524)	1:248:B:VAL:HG21	1:250:B:ARG:H	11	0.74
(1,1524)	1:248:B:VAL:HG22	1:250:B:ARG:H	11	0.74
(1,1524)	1:248:B:VAL:HG23	1:250:B:ARG:H	11	0.74
(1,1450)	1:239:B:GLN:HA	1:242:B:LYS:HB3	14	0.74
(1,1367)	1:211:B:ASP:HB2	1:214:B:ASP:H	13	0.74
(1,1362)	1:211:B:ASP:HA	1:215:B:LYS:HG3	6	0.74
(1,1350)	1:209:B:PHE:HE1	1:211:B:ASP:HB3	3	0.74
(1,1350)	1:209:B:PHE:HE2	1:211:B:ASP:HB3	3	0.74
(1,1323)	1:149:A:LYS:HA	1:153:A:PRO:HG2	1	0.74
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG21	9	0.74
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG22	9	0.74
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG23	9	0.74
(1,1144)	1:109:A:PHE:HE1	1:111:A:ASP:HB3	8	0.74
(1,1144)	1:109:A:PHE:HE2	1:111:A:ASP:HB3	8	0.74
(1,1144)	1:109:A:PHE:HE1	1:111:A:ASP:HB3	12	0.74
(1,1144)	1:109:A:PHE:HE2	1:111:A:ASP:HB3	12	0.74
(1,1081)	1:250:B:ARG:HB3	1:251:B:ASN:HB3	5	0.74
(1,1081)	1:250:B:ARG:HB3	1:251:B:ASN:HB3	6	0.74
(1,1039)	1:242:B:LYS:HB3	1:243:B:GLN:H	10	0.74
(1,765)	1:150:A:ARG:HB3	1:151:A:ASN:HB3	4	0.74
(1,723)	1:142:A:LYS:HB3	1:143:A:GLN:H	12	0.74
(1,686)	1:133:A:GLU:HB2	1:134:A:GLY:H	5	0.74
(1,507)	1:102:A:ASN:HA	1:103:A:LYS:HG3	19	0.74
(1,419)	1:242:B:LYS:HG2	1:242:B:LYS:HE3	6	0.74
(1,350)	1:226:B:ASN:HA	1:226:B:ASN:HD22	3	0.74
(1,281)	1:209:B:PHE:H	1:209:B:PHE:HB2	9	0.74
(1,245)	1:159:A:GLU:HA	1:159:A:GLU:HG3	11	0.74
(1,245)	1:159:A:GLU:HA	1:159:A:GLU:HG3	16	0.74
(1,245)	1:159:A:GLU:HA	1:159:A:GLU:HG3	18	0.74
(1,167)	1:142:A:LYS:HG2	1:142:A:LYS:HE3	4	0.74
(1,167)	1:142:A:LYS:HG2	1:142:A:LYS:HE3	5	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,167)	1:142:A:LYS:HG2	1:142:A:LYS:HE3	11	0.74
(1,8)	1:103:A:LYS:H	1:103:A:LYS:HB3	5	0.74
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD21	15	0.73
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD22	15	0.73
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD23	15	0.73
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD21	15	0.73
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD22	15	0.73
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD23	15	0.73
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD21	15	0.73
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD22	15	0.73
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD23	15	0.73
(1,2105)	1:107:A:GLU:HG3	1:258:B:ILE:H	12	0.73
(1,1524)	1:248:B:VAL:HG21	1:250:B:ARG:H	14	0.73
(1,1524)	1:248:B:VAL:HG22	1:250:B:ARG:H	14	0.73
(1,1524)	1:248:B:VAL:HG23	1:250:B:ARG:H	14	0.73
(1,1331)	1:151:A:ASN:HA	1:153:A:PRO:HD3	2	0.73
(1,1323)	1:149:A:LYS:HA	1:153:A:PRO:HG2	9	0.73
(1,1323)	1:149:A:LYS:HA	1:153:A:PRO:HG2	19	0.73
(1,1244)	1:139:A:GLN:HA	1:142:A:LYS:HB3	15	0.73
(1,1152)	1:110:A:VAL:HG21	1:114:A:ASP:HA	11	0.73
(1,1152)	1:110:A:VAL:HG22	1:114:A:ASP:HA	11	0.73
(1,1152)	1:110:A:VAL:HG23	1:114:A:ASP:HA	11	0.73
(1,765)	1:150:A:ARG:HB3	1:151:A:ASN:HB3	19	0.73
(1,723)	1:142:A:LYS:HB3	1:143:A:GLN:H	10	0.73
(1,686)	1:133:A:GLU:HB2	1:134:A:GLY:H	15	0.73
(1,419)	1:242:B:LYS:HG2	1:242:B:LYS:HE3	2	0.73
(1,419)	1:242:B:LYS:HG2	1:242:B:LYS:HE3	7	0.73
(1,419)	1:242:B:LYS:HG2	1:242:B:LYS:HE3	15	0.73
(1,419)	1:242:B:LYS:HG2	1:242:B:LYS:HE3	17	0.73
(1,350)	1:226:B:ASN:HA	1:226:B:ASN:HD22	1	0.73
(1,281)	1:209:B:PHE:H	1:209:B:PHE:HB2	16	0.73
(1,245)	1:159:A:GLU:HA	1:159:A:GLU:HG3	1	0.73
(1,167)	1:142:A:LYS:HG2	1:142:A:LYS:HE3	2	0.73
(1,167)	1:142:A:LYS:HG2	1:142:A:LYS:HE3	6	0.73
(1,167)	1:142:A:LYS:HG2	1:142:A:LYS:HE3	10	0.73
(1,29)	1:109:A:PHE:H	1:109:A:PHE:HB2	17	0.73
(1,29)	1:109:A:PHE:H	1:109:A:PHE:HB2	20	0.73
(1,2340)	1:160:A:ALA:H	1:209:B:PHE:HB2	8	0.72
(1,2105)	1:107:A:GLU:HG3	1:258:B:ILE:H	2	0.72
(1,2105)	1:107:A:GLU:HG3	1:258:B:ILE:H	9	0.72
(1,2085)	1:106:A:PHE:HD1	1:257:B:VAL:HG11	17	0.72
(1,2085)	1:106:A:PHE:HD1	1:257:B:VAL:HG12	17	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2085)	1:106:A:PHE:HD1	1:257:B:VAL:HG13	17	0.72
(1,2085)	1:106:A:PHE:HD2	1:257:B:VAL:HG11	17	0.72
(1,2085)	1:106:A:PHE:HD2	1:257:B:VAL:HG12	17	0.72
(1,2085)	1:106:A:PHE:HD2	1:257:B:VAL:HG13	17	0.72
(1,1837)	1:207:B:GLU:HG2	1:221:B:VAL:HB	17	0.72
(1,1822)	1:206:B:PHE:HD1	1:220:B:LEU:HB3	17	0.72
(1,1822)	1:206:B:PHE:HD2	1:220:B:LEU:HB3	17	0.72
(1,1595)	1:107:A:GLU:HG2	1:121:A:VAL:HB	7	0.72
(1,1595)	1:107:A:GLU:HG2	1:121:A:VAL:HB	16	0.72
(1,1595)	1:107:A:GLU:HG2	1:121:A:VAL:HB	19	0.72
(1,1580)	1:106:A:PHE:HD1	1:120:A:LEU:HB3	14	0.72
(1,1580)	1:106:A:PHE:HD2	1:120:A:LEU:HB3	14	0.72
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG21	15	0.72
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG22	15	0.72
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG23	15	0.72
(1,1358)	1:210:B:VAL:HG21	1:214:B:ASP:HA	10	0.72
(1,1358)	1:210:B:VAL:HG22	1:214:B:ASP:HA	10	0.72
(1,1358)	1:210:B:VAL:HG23	1:214:B:ASP:HA	10	0.72
(1,1350)	1:209:B:PHE:HE1	1:211:B:ASP:HB3	4	0.72
(1,1350)	1:209:B:PHE:HE2	1:211:B:ASP:HB3	4	0.72
(1,1323)	1:149:A:LYS:HA	1:153:A:PRO:HG2	5	0.72
(1,1318)	1:148:A:VAL:HG21	1:150:A:ARG:H	12	0.72
(1,1318)	1:148:A:VAL:HG22	1:150:A:ARG:H	12	0.72
(1,1318)	1:148:A:VAL:HG23	1:150:A:ARG:H	12	0.72
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG21	8	0.72
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG22	8	0.72
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG23	8	0.72
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG21	8	0.72
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG22	8	0.72
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG23	8	0.72
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG21	8	0.72
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG22	8	0.72
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG23	8	0.72
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG21	15	0.72
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG22	15	0.72
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG23	15	0.72
(1,1144)	1:109:A:PHE:HE1	1:111:A:ASP:HB3	3	0.72
(1,1144)	1:109:A:PHE:HE2	1:111:A:ASP:HB3	3	0.72
(1,823)	1:202:B:ASN:HA	1:203:B:LYS:HG3	6	0.72
(1,765)	1:150:A:ARG:HB3	1:151:A:ASN:HB3	18	0.72
(1,723)	1:142:A:LYS:HB3	1:143:A:GLN:H	6	0.72
(1,497)	1:259:B:GLU:HA	1:259:B:GLU:HG3	4	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,419)	1:242:B:LYS:HG2	1:242:B:LYS:HE3	1	0.72
(1,419)	1:242:B:LYS:HG2	1:242:B:LYS:HE3	3	0.72
(1,419)	1:242:B:LYS:HG2	1:242:B:LYS:HE3	10	0.72
(1,419)	1:242:B:LYS:HG2	1:242:B:LYS:HE3	18	0.72
(1,281)	1:209:B:PHE:H	1:209:B:PHE:HB2	6	0.72
(1,281)	1:209:B:PHE:H	1:209:B:PHE:HB2	7	0.72
(1,281)	1:209:B:PHE:H	1:209:B:PHE:HB2	11	0.72
(1,281)	1:209:B:PHE:H	1:209:B:PHE:HB2	17	0.72
(1,281)	1:209:B:PHE:H	1:209:B:PHE:HB2	18	0.72
(1,245)	1:159:A:GLU:HA	1:159:A:GLU:HG3	7	0.72
(1,245)	1:159:A:GLU:HA	1:159:A:GLU:HG3	9	0.72
(1,245)	1:159:A:GLU:HA	1:159:A:GLU:HG3	15	0.72
(1,167)	1:142:A:LYS:HG2	1:142:A:LYS:HE3	3	0.72
(1,167)	1:142:A:LYS:HG2	1:142:A:LYS:HE3	9	0.72
(1,167)	1:142:A:LYS:HG2	1:142:A:LYS:HE3	15	0.72
(1,167)	1:142:A:LYS:HG2	1:142:A:LYS:HE3	16	0.72
(1,29)	1:109:A:PHE:H	1:109:A:PHE:HB2	3	0.72
(1,29)	1:109:A:PHE:H	1:109:A:PHE:HB2	5	0.72
(1,2320)	1:158:A:ILE:HG12	1:205:B:HIS:HA	9	0.71
(1,2298)	1:157:A:VAL:HG11	1:206:B:PHE:HD1	20	0.71
(1,2298)	1:157:A:VAL:HG11	1:206:B:PHE:HD2	20	0.71
(1,2298)	1:157:A:VAL:HG12	1:206:B:PHE:HD1	20	0.71
(1,2298)	1:157:A:VAL:HG12	1:206:B:PHE:HD2	20	0.71
(1,2298)	1:157:A:VAL:HG13	1:206:B:PHE:HD1	20	0.71
(1,2298)	1:157:A:VAL:HG13	1:206:B:PHE:HD2	20	0.71
(1,2105)	1:107:A:GLU:HG3	1:258:B:ILE:H	15	0.71
(1,1861)	1:208:B:VAL:HG21	1:216:B:TYR:HB3	5	0.71
(1,1861)	1:208:B:VAL:HG22	1:216:B:TYR:HB3	5	0.71
(1,1861)	1:208:B:VAL:HG23	1:216:B:TYR:HB3	5	0.71
(1,1822)	1:206:B:PHE:HD1	1:220:B:LEU:HB3	11	0.71
(1,1822)	1:206:B:PHE:HD2	1:220:B:LEU:HB3	11	0.71
(1,1524)	1:248:B:VAL:HG21	1:250:B:ARG:H	18	0.71
(1,1524)	1:248:B:VAL:HG22	1:250:B:ARG:H	18	0.71
(1,1524)	1:248:B:VAL:HG23	1:250:B:ARG:H	18	0.71
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG21	1	0.71
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG22	1	0.71
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG23	1	0.71
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG21	1	0.71
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG22	1	0.71
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG23	1	0.71
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG21	1	0.71
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG22	1	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG23	1	0.71
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG21	14	0.71
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG22	14	0.71
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG23	14	0.71
(1,1362)	1:211:B:ASP:HA	1:215:B:LYS:HG3	19	0.71
(1,1318)	1:148:A:VAL:HG21	1:150:A:ARG:H	17	0.71
(1,1318)	1:148:A:VAL:HG22	1:150:A:ARG:H	17	0.71
(1,1318)	1:148:A:VAL:HG23	1:150:A:ARG:H	17	0.71
(1,1244)	1:139:A:GLN:HA	1:142:A:LYS:HB3	14	0.71
(1,1199)	1:124:A:ASN:HD21	1:126:A:ASN:HD21	17	0.71
(1,1156)	1:111:A:ASP:HA	1:115:A:LYS:HG3	6	0.71
(1,1152)	1:110:A:VAL:HG21	1:114:A:ASP:HA	19	0.71
(1,1152)	1:110:A:VAL:HG22	1:114:A:ASP:HA	19	0.71
(1,1152)	1:110:A:VAL:HG23	1:114:A:ASP:HA	19	0.71
(1,1039)	1:242:B:LYS:HB3	1:243:B:GLN:H	12	0.71
(1,765)	1:150:A:ARG:HB3	1:151:A:ASN:HB3	9	0.71
(1,497)	1:259:B:GLU:HA	1:259:B:GLU:HG3	20	0.71
(1,419)	1:242:B:LYS:HG2	1:242:B:LYS:HE3	4	0.71
(1,419)	1:242:B:LYS:HG2	1:242:B:LYS:HE3	11	0.71
(1,281)	1:209:B:PHE:H	1:209:B:PHE:HB2	4	0.71
(1,281)	1:209:B:PHE:H	1:209:B:PHE:HB2	5	0.71
(1,281)	1:209:B:PHE:H	1:209:B:PHE:HB2	14	0.71
(1,281)	1:209:B:PHE:H	1:209:B:PHE:HB2	20	0.71
(1,167)	1:142:A:LYS:HG2	1:142:A:LYS:HE3	7	0.71
(1,167)	1:142:A:LYS:HG2	1:142:A:LYS:HE3	8	0.71
(1,167)	1:142:A:LYS:HG2	1:142:A:LYS:HE3	13	0.71
(1,167)	1:142:A:LYS:HG2	1:142:A:LYS:HE3	20	0.71
(1,29)	1:109:A:PHE:H	1:109:A:PHE:HB2	1	0.71
(1,29)	1:109:A:PHE:H	1:109:A:PHE:HB2	8	0.71
(1,29)	1:109:A:PHE:H	1:109:A:PHE:HB2	14	0.71
(1,29)	1:109:A:PHE:H	1:109:A:PHE:HB2	19	0.71
(1,2326)	1:158:A:ILE:H	1:207:B:GLU:HG3	4	0.7
(1,2211)	1:148:A:VAL:HG11	1:229:B:ALA:HA	18	0.7
(1,2211)	1:148:A:VAL:HG12	1:229:B:ALA:HA	18	0.7
(1,2211)	1:148:A:VAL:HG13	1:229:B:ALA:HA	18	0.7
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD21	4	0.7
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD22	4	0.7
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD23	4	0.7
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD21	4	0.7
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD22	4	0.7
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD23	4	0.7
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD21	4	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD22	4	0.7
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD23	4	0.7
(1,2105)	1:107:A:GLU:HG3	1:258:B:ILE:H	7	0.7
(1,1822)	1:206:B:PHE:HD1	1:220:B:LEU:HB3	12	0.7
(1,1822)	1:206:B:PHE:HD2	1:220:B:LEU:HB3	12	0.7
(1,1580)	1:106:A:PHE:HD1	1:120:A:LEU:HB3	10	0.7
(1,1580)	1:106:A:PHE:HD2	1:120:A:LEU:HB3	10	0.7
(1,1358)	1:210:B:VAL:HG21	1:214:B:ASP:HA	7	0.7
(1,1358)	1:210:B:VAL:HG22	1:214:B:ASP:HA	7	0.7
(1,1358)	1:210:B:VAL:HG23	1:214:B:ASP:HA	7	0.7
(1,1358)	1:210:B:VAL:HG21	1:214:B:ASP:HA	11	0.7
(1,1358)	1:210:B:VAL:HG22	1:214:B:ASP:HA	11	0.7
(1,1358)	1:210:B:VAL:HG23	1:214:B:ASP:HA	11	0.7
(1,1358)	1:210:B:VAL:HG21	1:214:B:ASP:HA	14	0.7
(1,1358)	1:210:B:VAL:HG22	1:214:B:ASP:HA	14	0.7
(1,1358)	1:210:B:VAL:HG23	1:214:B:ASP:HA	14	0.7
(1,1358)	1:210:B:VAL:HG21	1:214:B:ASP:HA	16	0.7
(1,1358)	1:210:B:VAL:HG22	1:214:B:ASP:HA	16	0.7
(1,1358)	1:210:B:VAL:HG23	1:214:B:ASP:HA	16	0.7
(1,1350)	1:209:B:PHE:HE1	1:211:B:ASP:HB3	12	0.7
(1,1350)	1:209:B:PHE:HE2	1:211:B:ASP:HB3	12	0.7
(1,1318)	1:148:A:VAL:HG21	1:150:A:ARG:H	9	0.7
(1,1318)	1:148:A:VAL:HG22	1:150:A:ARG:H	9	0.7
(1,1318)	1:148:A:VAL:HG23	1:150:A:ARG:H	9	0.7
(1,1318)	1:148:A:VAL:HG21	1:150:A:ARG:H	10	0.7
(1,1318)	1:148:A:VAL:HG22	1:150:A:ARG:H	10	0.7
(1,1318)	1:148:A:VAL:HG23	1:150:A:ARG:H	10	0.7
(1,1318)	1:148:A:VAL:HG21	1:150:A:ARG:H	19	0.7
(1,1318)	1:148:A:VAL:HG22	1:150:A:ARG:H	19	0.7
(1,1318)	1:148:A:VAL:HG23	1:150:A:ARG:H	19	0.7
(1,1177)	1:115:A:LYS:HB2	1:117:A:ARG:HG2	1	0.7
(1,1177)	1:115:A:LYS:HB2	1:117:A:ARG:HG2	8	0.7
(1,1152)	1:110:A:VAL:HG21	1:114:A:ASP:HA	17	0.7
(1,1152)	1:110:A:VAL:HG22	1:114:A:ASP:HA	17	0.7
(1,1152)	1:110:A:VAL:HG23	1:114:A:ASP:HA	17	0.7
(1,1152)	1:110:A:VAL:HG21	1:114:A:ASP:HA	20	0.7
(1,1152)	1:110:A:VAL:HG22	1:114:A:ASP:HA	20	0.7
(1,1152)	1:110:A:VAL:HG23	1:114:A:ASP:HA	20	0.7
(1,1144)	1:109:A:PHE:HE1	1:111:A:ASP:HB3	14	0.7
(1,1144)	1:109:A:PHE:HE2	1:111:A:ASP:HB3	14	0.7
(1,1081)	1:250:B:ARG:HB3	1:251:B:ASN:HB3	1	0.7
(1,1002)	1:233:B:GLU:HB2	1:234:B:GLY:H	18	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,823)	1:202:B:ASN:HA	1:203:B:LYS:HG3	17	0.7
(1,765)	1:150:A:ARG:HB3	1:151:A:ASN:HB3	13	0.7
(1,723)	1:142:A:LYS:HB3	1:143:A:GLN:H	19	0.7
(1,497)	1:259:B:GLU:HA	1:259:B:GLU:HG3	8	0.7
(1,419)	1:242:B:LYS:HG2	1:242:B:LYS:HE3	8	0.7
(1,419)	1:242:B:LYS:HG2	1:242:B:LYS:HE3	9	0.7
(1,419)	1:242:B:LYS:HG2	1:242:B:LYS:HE3	13	0.7
(1,419)	1:242:B:LYS:HG2	1:242:B:LYS:HE3	14	0.7
(1,419)	1:242:B:LYS:HG2	1:242:B:LYS:HE3	20	0.7
(1,281)	1:209:B:PHE:H	1:209:B:PHE:HB2	1	0.7
(1,281)	1:209:B:PHE:H	1:209:B:PHE:HB2	2	0.7
(1,281)	1:209:B:PHE:H	1:209:B:PHE:HB2	8	0.7
(1,281)	1:209:B:PHE:H	1:209:B:PHE:HB2	13	0.7
(1,281)	1:209:B:PHE:H	1:209:B:PHE:HB2	15	0.7
(1,245)	1:159:A:GLU:HA	1:159:A:GLU:HG3	5	0.7
(1,245)	1:159:A:GLU:HA	1:159:A:GLU:HG3	6	0.7
(1,245)	1:159:A:GLU:HA	1:159:A:GLU:HG3	19	0.7
(1,29)	1:109:A:PHE:H	1:109:A:PHE:HB2	4	0.7
(1,29)	1:109:A:PHE:H	1:109:A:PHE:HB2	6	0.7
(1,29)	1:109:A:PHE:H	1:109:A:PHE:HB2	7	0.7
(1,29)	1:109:A:PHE:H	1:109:A:PHE:HB2	9	0.7
(1,29)	1:109:A:PHE:H	1:109:A:PHE:HB2	11	0.7
(1,29)	1:109:A:PHE:H	1:109:A:PHE:HB2	13	0.7
(1,29)	1:109:A:PHE:H	1:109:A:PHE:HB2	16	0.7
(1,29)	1:109:A:PHE:H	1:109:A:PHE:HB2	18	0.7
(1,2326)	1:158:A:ILE:H	1:207:B:GLU:HG3	7	0.69
(1,2326)	1:158:A:ILE:H	1:207:B:GLU:HG3	11	0.69
(1,2085)	1:106:A:PHE:HD1	1:257:B:VAL:HG11	18	0.69
(1,2085)	1:106:A:PHE:HD1	1:257:B:VAL:HG12	18	0.69
(1,2085)	1:106:A:PHE:HD1	1:257:B:VAL:HG13	18	0.69
(1,2085)	1:106:A:PHE:HD2	1:257:B:VAL:HG11	18	0.69
(1,2085)	1:106:A:PHE:HD2	1:257:B:VAL:HG12	18	0.69
(1,2085)	1:106:A:PHE:HD2	1:257:B:VAL:HG13	18	0.69
(1,1894)	1:210:B:VAL:HG11	1:216:B:TYR:HA	12	0.69
(1,1894)	1:210:B:VAL:HG12	1:216:B:TYR:HA	12	0.69
(1,1894)	1:210:B:VAL:HG13	1:216:B:TYR:HA	12	0.69
(1,1862)	1:208:B:VAL:HG21	1:217:B:ARG:H	20	0.69
(1,1862)	1:208:B:VAL:HG22	1:217:B:ARG:H	20	0.69
(1,1862)	1:208:B:VAL:HG23	1:217:B:ARG:H	20	0.69
(1,1861)	1:208:B:VAL:HG21	1:216:B:TYR:HB3	3	0.69
(1,1861)	1:208:B:VAL:HG22	1:216:B:TYR:HB3	3	0.69
(1,1861)	1:208:B:VAL:HG23	1:216:B:TYR:HB3	3	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1837)	1:207:B:GLU:HG2	1:221:B:VAL:HB	7	0.69
(1,1619)	1:108:A:VAL:HG21	1:116:A:TYR:HB3	2	0.69
(1,1619)	1:108:A:VAL:HG22	1:116:A:TYR:HB3	2	0.69
(1,1619)	1:108:A:VAL:HG23	1:116:A:TYR:HB3	2	0.69
(1,1619)	1:108:A:VAL:HG21	1:116:A:TYR:HB3	5	0.69
(1,1619)	1:108:A:VAL:HG22	1:116:A:TYR:HB3	5	0.69
(1,1619)	1:108:A:VAL:HG23	1:116:A:TYR:HB3	5	0.69
(1,1524)	1:248:B:VAL:HG21	1:250:B:ARG:H	9	0.69
(1,1524)	1:248:B:VAL:HG22	1:250:B:ARG:H	9	0.69
(1,1524)	1:248:B:VAL:HG23	1:250:B:ARG:H	9	0.69
(1,1524)	1:248:B:VAL:HG21	1:250:B:ARG:H	19	0.69
(1,1524)	1:248:B:VAL:HG22	1:250:B:ARG:H	19	0.69
(1,1524)	1:248:B:VAL:HG23	1:250:B:ARG:H	19	0.69
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG21	9	0.69
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG22	9	0.69
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG23	9	0.69
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG21	9	0.69
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG22	9	0.69
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG23	9	0.69
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG21	9	0.69
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG22	9	0.69
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG23	9	0.69
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG21	6	0.69
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG22	6	0.69
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG23	6	0.69
(1,1367)	1:211:B:ASP:HB2	1:214:B:ASP:H	8	0.69
(1,1358)	1:210:B:VAL:HG21	1:214:B:ASP:HA	1	0.69
(1,1358)	1:210:B:VAL:HG22	1:214:B:ASP:HA	1	0.69
(1,1358)	1:210:B:VAL:HG23	1:214:B:ASP:HA	1	0.69
(1,1350)	1:209:B:PHE:HE1	1:211:B:ASP:HB3	11	0.69
(1,1350)	1:209:B:PHE:HE2	1:211:B:ASP:HB3	11	0.69
(1,1318)	1:148:A:VAL:HG21	1:150:A:ARG:H	7	0.69
(1,1318)	1:148:A:VAL:HG22	1:150:A:ARG:H	7	0.69
(1,1318)	1:148:A:VAL:HG23	1:150:A:ARG:H	7	0.69
(1,1177)	1:115:A:LYS:HB2	1:117:A:ARG:HG2	14	0.69
(1,1160)	1:111:A:ASP:HB2	1:113:A:ALA:H	6	0.69
(1,1152)	1:110:A:VAL:HG21	1:114:A:ASP:HA	5	0.69
(1,1152)	1:110:A:VAL:HG22	1:114:A:ASP:HA	5	0.69
(1,1152)	1:110:A:VAL:HG23	1:114:A:ASP:HA	5	0.69
(1,1152)	1:110:A:VAL:HG21	1:114:A:ASP:HA	7	0.69
(1,1152)	1:110:A:VAL:HG22	1:114:A:ASP:HA	7	0.69
(1,1152)	1:110:A:VAL:HG23	1:114:A:ASP:HA	7	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1152)	1:110:A:VAL:HG21	1:114:A:ASP:HA	8	0.69
(1,1152)	1:110:A:VAL:HG22	1:114:A:ASP:HA	8	0.69
(1,1152)	1:110:A:VAL:HG23	1:114:A:ASP:HA	8	0.69
(1,1152)	1:110:A:VAL:HG21	1:114:A:ASP:HA	12	0.69
(1,1152)	1:110:A:VAL:HG22	1:114:A:ASP:HA	12	0.69
(1,1152)	1:110:A:VAL:HG23	1:114:A:ASP:HA	12	0.69
(1,1152)	1:110:A:VAL:HG21	1:114:A:ASP:HA	14	0.69
(1,1152)	1:110:A:VAL:HG22	1:114:A:ASP:HA	14	0.69
(1,1152)	1:110:A:VAL:HG23	1:114:A:ASP:HA	14	0.69
(1,1152)	1:110:A:VAL:HG21	1:114:A:ASP:HA	15	0.69
(1,1152)	1:110:A:VAL:HG22	1:114:A:ASP:HA	15	0.69
(1,1152)	1:110:A:VAL:HG23	1:114:A:ASP:HA	15	0.69
(1,1144)	1:109:A:PHE:HE1	1:111:A:ASP:HB3	16	0.69
(1,1144)	1:109:A:PHE:HE2	1:111:A:ASP:HB3	16	0.69
(1,1144)	1:109:A:PHE:HE1	1:111:A:ASP:HB3	17	0.69
(1,1144)	1:109:A:PHE:HE2	1:111:A:ASP:HB3	17	0.69
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB1	20	0.69
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB2	20	0.69
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB3	20	0.69
(1,1081)	1:250:B:ARG:HB3	1:251:B:ASN:HB3	3	0.69
(1,1081)	1:250:B:ARG:HB3	1:251:B:ASN:HB3	17	0.69
(1,1081)	1:250:B:ARG:HB3	1:251:B:ASN:HB3	20	0.69
(1,1005)	1:234:B:GLY:HA3	1:235:B:TYR:H	10	0.69
(1,1002)	1:233:B:GLU:HB2	1:234:B:GLY:H	19	0.69
(1,879)	1:210:B:VAL:HG21	1:211:B:ASP:H	8	0.69
(1,879)	1:210:B:VAL:HG22	1:211:B:ASP:H	8	0.69
(1,879)	1:210:B:VAL:HG23	1:211:B:ASP:H	8	0.69
(1,765)	1:150:A:ARG:HB3	1:151:A:ASN:HB3	17	0.69
(1,497)	1:259:B:GLU:HA	1:259:B:GLU:HG3	1	0.69
(1,497)	1:259:B:GLU:HA	1:259:B:GLU:HG3	2	0.69
(1,497)	1:259:B:GLU:HA	1:259:B:GLU:HG3	5	0.69
(1,497)	1:259:B:GLU:HA	1:259:B:GLU:HG3	13	0.69
(1,344)	1:224:B:ASN:HB3	1:224:B:ASN:HD22	2	0.69
(1,281)	1:209:B:PHE:H	1:209:B:PHE:HB2	3	0.69
(1,281)	1:209:B:PHE:H	1:209:B:PHE:HB2	12	0.69
(1,281)	1:209:B:PHE:H	1:209:B:PHE:HB2	19	0.69
(1,29)	1:109:A:PHE:H	1:109:A:PHE:HB2	2	0.69
(1,29)	1:109:A:PHE:H	1:109:A:PHE:HB2	10	0.69
(1,29)	1:109:A:PHE:H	1:109:A:PHE:HB2	12	0.69
(1,29)	1:109:A:PHE:H	1:109:A:PHE:HB2	15	0.69
(1,2301)	1:157:A:VAL:HG11	1:245:B:ILE:HG21	12	0.68
(1,2301)	1:157:A:VAL:HG11	1:245:B:ILE:HG22	12	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2301)	1:157:A:VAL:HG11	1:245:B:ILE:HG23	12	0.68
(1,2301)	1:157:A:VAL:HG12	1:245:B:ILE:HG21	12	0.68
(1,2301)	1:157:A:VAL:HG12	1:245:B:ILE:HG22	12	0.68
(1,2301)	1:157:A:VAL:HG12	1:245:B:ILE:HG23	12	0.68
(1,2301)	1:157:A:VAL:HG13	1:245:B:ILE:HG21	12	0.68
(1,2301)	1:157:A:VAL:HG13	1:245:B:ILE:HG22	12	0.68
(1,2301)	1:157:A:VAL:HG13	1:245:B:ILE:HG23	12	0.68
(1,2199)	1:145:A:ILE:HG21	1:257:B:VAL:HG11	7	0.68
(1,2199)	1:145:A:ILE:HG21	1:257:B:VAL:HG12	7	0.68
(1,2199)	1:145:A:ILE:HG21	1:257:B:VAL:HG13	7	0.68
(1,2199)	1:145:A:ILE:HG22	1:257:B:VAL:HG11	7	0.68
(1,2199)	1:145:A:ILE:HG22	1:257:B:VAL:HG12	7	0.68
(1,2199)	1:145:A:ILE:HG22	1:257:B:VAL:HG13	7	0.68
(1,2199)	1:145:A:ILE:HG23	1:257:B:VAL:HG11	7	0.68
(1,2199)	1:145:A:ILE:HG23	1:257:B:VAL:HG12	7	0.68
(1,2199)	1:145:A:ILE:HG23	1:257:B:VAL:HG13	7	0.68
(1,2085)	1:106:A:PHE:HD1	1:257:B:VAL:HG11	4	0.68
(1,2085)	1:106:A:PHE:HD1	1:257:B:VAL:HG12	4	0.68
(1,2085)	1:106:A:PHE:HD1	1:257:B:VAL:HG13	4	0.68
(1,2085)	1:106:A:PHE:HD2	1:257:B:VAL:HG11	4	0.68
(1,2085)	1:106:A:PHE:HD2	1:257:B:VAL:HG12	4	0.68
(1,2085)	1:106:A:PHE:HD2	1:257:B:VAL:HG13	4	0.68
(1,1862)	1:208:B:VAL:HG21	1:217:B:ARG:H	5	0.68
(1,1862)	1:208:B:VAL:HG22	1:217:B:ARG:H	5	0.68
(1,1862)	1:208:B:VAL:HG23	1:217:B:ARG:H	5	0.68
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG21	8	0.68
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG22	8	0.68
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG23	8	0.68
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG21	8	0.68
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG22	8	0.68
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG23	8	0.68
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG21	8	0.68
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG22	8	0.68
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG23	8	0.68
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG21	7	0.68
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG22	7	0.68
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG23	7	0.68
(1,1405)	1:224:B:ASN:HD21	1:226:B:ASN:HD21	1	0.68
(1,1383)	1:215:B:LYS:HB2	1:217:B:ARG:HG2	13	0.68
(1,1362)	1:211:B:ASP:HA	1:215:B:LYS:HG3	3	0.68
(1,1358)	1:210:B:VAL:HG21	1:214:B:ASP:HA	5	0.68
(1,1358)	1:210:B:VAL:HG22	1:214:B:ASP:HA	5	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1358)	1:210:B:VAL:HG23	1:214:B:ASP:HA	5	0.68
(1,1358)	1:210:B:VAL:HG21	1:214:B:ASP:HA	18	0.68
(1,1358)	1:210:B:VAL:HG22	1:214:B:ASP:HA	18	0.68
(1,1358)	1:210:B:VAL:HG23	1:214:B:ASP:HA	18	0.68
(1,1318)	1:148:A:VAL:HG21	1:150:A:ARG:H	8	0.68
(1,1318)	1:148:A:VAL:HG22	1:150:A:ARG:H	8	0.68
(1,1318)	1:148:A:VAL:HG23	1:150:A:ARG:H	8	0.68
(1,1318)	1:148:A:VAL:HG21	1:150:A:ARG:H	11	0.68
(1,1318)	1:148:A:VAL:HG22	1:150:A:ARG:H	11	0.68
(1,1318)	1:148:A:VAL:HG23	1:150:A:ARG:H	11	0.68
(1,1318)	1:148:A:VAL:HG21	1:150:A:ARG:H	13	0.68
(1,1318)	1:148:A:VAL:HG22	1:150:A:ARG:H	13	0.68
(1,1318)	1:148:A:VAL:HG23	1:150:A:ARG:H	13	0.68
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG21	3	0.68
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG22	3	0.68
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG23	3	0.68
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG21	3	0.68
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG22	3	0.68
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG23	3	0.68
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG21	3	0.68
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG22	3	0.68
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG23	3	0.68
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG21	11	0.68
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG22	11	0.68
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG23	11	0.68
(1,1152)	1:110:A:VAL:HG21	1:114:A:ASP:HA	18	0.68
(1,1152)	1:110:A:VAL:HG22	1:114:A:ASP:HA	18	0.68
(1,1152)	1:110:A:VAL:HG23	1:114:A:ASP:HA	18	0.68
(1,1144)	1:109:A:PHE:HE1	1:111:A:ASP:HB3	6	0.68
(1,1144)	1:109:A:PHE:HE2	1:111:A:ASP:HB3	6	0.68
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB1	18	0.68
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB2	18	0.68
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB3	18	0.68
(1,689)	1:134:A:GLY:HA3	1:135:A:TYR:H	1	0.68
(1,497)	1:259:B:GLU:HA	1:259:B:GLU:HG3	7	0.68
(1,497)	1:259:B:GLU:HA	1:259:B:GLU:HG3	11	0.68
(1,497)	1:259:B:GLU:HA	1:259:B:GLU:HG3	15	0.68
(1,497)	1:259:B:GLU:HA	1:259:B:GLU:HG3	16	0.68
(1,353)	1:226:B:ASN:HB2	1:226:B:ASN:HD22	1	0.68
(1,350)	1:226:B:ASN:HA	1:226:B:ASN:HD22	20	0.68
(1,281)	1:209:B:PHE:H	1:209:B:PHE:HB2	10	0.68
(1,167)	1:142:A:LYS:HG2	1:142:A:LYS:HE3	17	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,101)	1:126:A:ASN:HB2	1:126:A:ASN:HD22	17	0.68
(1,92)	1:124:A:ASN:HB3	1:124:A:ASN:HD22	10	0.68
(1,2326)	1:158:A:ILE:H	1:207:B:GLU:HG3	3	0.67
(1,2301)	1:157:A:VAL:HG11	1:245:B:ILE:HG21	6	0.67
(1,2301)	1:157:A:VAL:HG11	1:245:B:ILE:HG22	6	0.67
(1,2301)	1:157:A:VAL:HG11	1:245:B:ILE:HG23	6	0.67
(1,2301)	1:157:A:VAL:HG12	1:245:B:ILE:HG21	6	0.67
(1,2301)	1:157:A:VAL:HG12	1:245:B:ILE:HG22	6	0.67
(1,2301)	1:157:A:VAL:HG12	1:245:B:ILE:HG23	6	0.67
(1,2301)	1:157:A:VAL:HG13	1:245:B:ILE:HG21	6	0.67
(1,2301)	1:157:A:VAL:HG13	1:245:B:ILE:HG22	6	0.67
(1,2301)	1:157:A:VAL:HG13	1:245:B:ILE:HG23	6	0.67
(1,2298)	1:157:A:VAL:HG11	1:206:B:PHE:HD1	10	0.67
(1,2298)	1:157:A:VAL:HG11	1:206:B:PHE:HD2	10	0.67
(1,2298)	1:157:A:VAL:HG12	1:206:B:PHE:HD1	10	0.67
(1,2298)	1:157:A:VAL:HG12	1:206:B:PHE:HD2	10	0.67
(1,2298)	1:157:A:VAL:HG13	1:206:B:PHE:HD1	10	0.67
(1,2298)	1:157:A:VAL:HG13	1:206:B:PHE:HD2	10	0.67
(1,2211)	1:148:A:VAL:HG11	1:229:B:ALA:HA	8	0.67
(1,2211)	1:148:A:VAL:HG12	1:229:B:ALA:HA	8	0.67
(1,2211)	1:148:A:VAL:HG13	1:229:B:ALA:HA	8	0.67
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD21	6	0.67
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD22	6	0.67
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD23	6	0.67
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD21	6	0.67
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD22	6	0.67
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD23	6	0.67
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD21	6	0.67
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD22	6	0.67
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD23	6	0.67
(1,2105)	1:107:A:GLU:HG3	1:258:B:ILE:H	10	0.67
(1,1898)	1:210:B:VAL:HG21	1:215:B:LYS:H	15	0.67
(1,1898)	1:210:B:VAL:HG22	1:215:B:LYS:H	15	0.67
(1,1898)	1:210:B:VAL:HG23	1:215:B:LYS:H	15	0.67
(1,1861)	1:208:B:VAL:HG21	1:216:B:TYR:HB3	19	0.67
(1,1861)	1:208:B:VAL:HG22	1:216:B:TYR:HB3	19	0.67
(1,1861)	1:208:B:VAL:HG23	1:216:B:TYR:HB3	19	0.67
(1,1580)	1:106:A:PHE:HD1	1:120:A:LEU:HB3	17	0.67
(1,1580)	1:106:A:PHE:HD2	1:120:A:LEU:HB3	17	0.67
(1,1524)	1:248:B:VAL:HG21	1:250:B:ARG:H	2	0.67
(1,1524)	1:248:B:VAL:HG22	1:250:B:ARG:H	2	0.67
(1,1524)	1:248:B:VAL:HG23	1:250:B:ARG:H	2	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1524)	1:248:B:VAL:HG21	1:250:B:ARG:H	3	0.67
(1,1524)	1:248:B:VAL:HG22	1:250:B:ARG:H	3	0.67
(1,1524)	1:248:B:VAL:HG23	1:250:B:ARG:H	3	0.67
(1,1524)	1:248:B:VAL:HG21	1:250:B:ARG:H	12	0.67
(1,1524)	1:248:B:VAL:HG22	1:250:B:ARG:H	12	0.67
(1,1524)	1:248:B:VAL:HG23	1:250:B:ARG:H	12	0.67
(1,1524)	1:248:B:VAL:HG21	1:250:B:ARG:H	16	0.67
(1,1524)	1:248:B:VAL:HG22	1:250:B:ARG:H	16	0.67
(1,1524)	1:248:B:VAL:HG23	1:250:B:ARG:H	16	0.67
(1,1524)	1:248:B:VAL:HG21	1:250:B:ARG:H	17	0.67
(1,1524)	1:248:B:VAL:HG22	1:250:B:ARG:H	17	0.67
(1,1524)	1:248:B:VAL:HG23	1:250:B:ARG:H	17	0.67
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG21	4	0.67
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG22	4	0.67
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG23	4	0.67
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG21	4	0.67
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG22	4	0.67
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG23	4	0.67
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG21	4	0.67
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG22	4	0.67
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG23	4	0.67
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG21	5	0.67
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG22	5	0.67
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG23	5	0.67
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG21	5	0.67
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG22	5	0.67
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG23	5	0.67
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG21	5	0.67
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG22	5	0.67
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG23	5	0.67
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG21	18	0.67
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG22	18	0.67
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG23	18	0.67
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG21	18	0.67
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG22	18	0.67
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG23	18	0.67
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG21	18	0.67
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG22	18	0.67
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG23	18	0.67
(1,1367)	1:211:B:ASP:HB2	1:214:B:ASP:H	1	0.67
(1,1362)	1:211:B:ASP:HA	1:215:B:LYS:HG3	9	0.67
(1,1358)	1:210:B:VAL:HG21	1:214:B:ASP:HA	20	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1358)	1:210:B:VAL:HG22	1:214:B:ASP:HA	20	0.67
(1,1358)	1:210:B:VAL:HG23	1:214:B:ASP:HA	20	0.67
(1,1318)	1:148:A:VAL:HG21	1:150:A:ARG:H	6	0.67
(1,1318)	1:148:A:VAL:HG22	1:150:A:ARG:H	6	0.67
(1,1318)	1:148:A:VAL:HG23	1:150:A:ARG:H	6	0.67
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG21	18	0.67
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG22	18	0.67
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG23	18	0.67
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG21	18	0.67
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG22	18	0.67
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG23	18	0.67
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG21	18	0.67
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG22	18	0.67
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG23	18	0.67
(1,1152)	1:110:A:VAL:HG21	1:114:A:ASP:HA	1	0.67
(1,1152)	1:110:A:VAL:HG22	1:114:A:ASP:HA	1	0.67
(1,1152)	1:110:A:VAL:HG23	1:114:A:ASP:HA	1	0.67
(1,1152)	1:110:A:VAL:HG21	1:114:A:ASP:HA	3	0.67
(1,1152)	1:110:A:VAL:HG22	1:114:A:ASP:HA	3	0.67
(1,1152)	1:110:A:VAL:HG23	1:114:A:ASP:HA	3	0.67
(1,1152)	1:110:A:VAL:HG21	1:114:A:ASP:HA	9	0.67
(1,1152)	1:110:A:VAL:HG22	1:114:A:ASP:HA	9	0.67
(1,1152)	1:110:A:VAL:HG23	1:114:A:ASP:HA	9	0.67
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB1	9	0.67
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB2	9	0.67
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB3	9	0.67
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB1	18	0.67
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB2	18	0.67
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB3	18	0.67
(1,1081)	1:250:B:ARG:HB3	1:251:B:ASN:HB3	2	0.67
(1,1081)	1:250:B:ARG:HB3	1:251:B:ASN:HB3	8	0.67
(1,823)	1:202:B:ASN:HA	1:203:B:LYS:HG3	18	0.67
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB1	11	0.67
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB2	11	0.67
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB3	11	0.67
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB1	12	0.67
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB2	12	0.67
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB3	12	0.67
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB1	15	0.67
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB2	15	0.67
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB3	15	0.67
(1,765)	1:150:A:ARG:HB3	1:151:A:ASN:HB3	11	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,497)	1:259:B:GLU:HA	1:259:B:GLU:HG3	9	0.67
(1,497)	1:259:B:GLU:HA	1:259:B:GLU:HG3	10	0.67
(1,497)	1:259:B:GLU:HA	1:259:B:GLU:HG3	12	0.67
(1,419)	1:242:B:LYS:HG2	1:242:B:LYS:HE3	12	0.67
(1,350)	1:226:B:ASN:HA	1:226:B:ASN:HD22	15	0.67
(1,350)	1:226:B:ASN:HA	1:226:B:ASN:HD22	18	0.67
(1,344)	1:224:B:ASN:HB3	1:224:B:ASN:HD22	3	0.67
(1,344)	1:224:B:ASN:HB3	1:224:B:ASN:HD22	11	0.67
(1,344)	1:224:B:ASN:HB3	1:224:B:ASN:HD22	14	0.67
(1,344)	1:224:B:ASN:HB3	1:224:B:ASN:HD22	20	0.67
(1,245)	1:159:A:GLU:HA	1:159:A:GLU:HG3	4	0.67
(1,245)	1:159:A:GLU:HA	1:159:A:GLU:HG3	12	0.67
(1,245)	1:159:A:GLU:HA	1:159:A:GLU:HG3	13	0.67
(1,167)	1:142:A:LYS:HG2	1:142:A:LYS:HE3	14	0.67
(1,92)	1:124:A:ASN:HB3	1:124:A:ASN:HD22	14	0.67
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG11	2	0.66
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG12	2	0.66
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG13	2	0.66
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG11	2	0.66
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG12	2	0.66
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG13	2	0.66
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG11	2	0.66
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG12	2	0.66
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG13	2	0.66
(1,2105)	1:107:A:GLU:HG3	1:258:B:ILE:H	3	0.66
(1,2105)	1:107:A:GLU:HG3	1:258:B:ILE:H	8	0.66
(1,2105)	1:107:A:GLU:HG3	1:258:B:ILE:H	16	0.66
(1,1862)	1:208:B:VAL:HG21	1:217:B:ARG:H	16	0.66
(1,1862)	1:208:B:VAL:HG22	1:217:B:ARG:H	16	0.66
(1,1862)	1:208:B:VAL:HG23	1:217:B:ARG:H	16	0.66
(1,1822)	1:206:B:PHE:HD1	1:220:B:LEU:HB3	16	0.66
(1,1822)	1:206:B:PHE:HD2	1:220:B:LEU:HB3	16	0.66
(1,1619)	1:108:A:VAL:HG21	1:116:A:TYR:HB3	11	0.66
(1,1619)	1:108:A:VAL:HG22	1:116:A:TYR:HB3	11	0.66
(1,1619)	1:108:A:VAL:HG23	1:116:A:TYR:HB3	11	0.66
(1,1595)	1:107:A:GLU:HG2	1:121:A:VAL:HB	9	0.66
(1,1524)	1:248:B:VAL:HG21	1:250:B:ARG:H	8	0.66
(1,1524)	1:248:B:VAL:HG22	1:250:B:ARG:H	8	0.66
(1,1524)	1:248:B:VAL:HG23	1:250:B:ARG:H	8	0.66
(1,1358)	1:210:B:VAL:HG21	1:214:B:ASP:HA	12	0.66
(1,1358)	1:210:B:VAL:HG22	1:214:B:ASP:HA	12	0.66
(1,1358)	1:210:B:VAL:HG23	1:214:B:ASP:HA	12	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1358)	1:210:B:VAL:HG21	1:214:B:ASP:HA	13	0.66
(1,1358)	1:210:B:VAL:HG22	1:214:B:ASP:HA	13	0.66
(1,1358)	1:210:B:VAL:HG23	1:214:B:ASP:HA	13	0.66
(1,1318)	1:148:A:VAL:HG21	1:150:A:ARG:H	18	0.66
(1,1318)	1:148:A:VAL:HG22	1:150:A:ARG:H	18	0.66
(1,1318)	1:148:A:VAL:HG23	1:150:A:ARG:H	18	0.66
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG21	2	0.66
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG22	2	0.66
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG23	2	0.66
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG21	2	0.66
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG22	2	0.66
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG23	2	0.66
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG21	2	0.66
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG22	2	0.66
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG23	2	0.66
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG21	6	0.66
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG22	6	0.66
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG23	6	0.66
(1,1244)	1:139:A:GLN:HA	1:142:A:LYS:HB3	10	0.66
(1,1204)	1:124:A:ASN:H	1:126:A:ASN:HD21	6	0.66
(1,1204)	1:124:A:ASN:H	1:126:A:ASN:HD21	11	0.66
(1,1152)	1:110:A:VAL:HG21	1:114:A:ASP:HA	16	0.66
(1,1152)	1:110:A:VAL:HG22	1:114:A:ASP:HA	16	0.66
(1,1152)	1:110:A:VAL:HG23	1:114:A:ASP:HA	16	0.66
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB1	3	0.66
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB2	3	0.66
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB3	3	0.66
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB1	7	0.66
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB2	7	0.66
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB3	7	0.66
(1,1081)	1:250:B:ARG:HB3	1:251:B:ASN:HB3	9	0.66
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB1	2	0.66
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB2	2	0.66
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB3	2	0.66
(1,765)	1:150:A:ARG:HB3	1:151:A:ASN:HB3	7	0.66
(1,686)	1:133:A:GLU:HB2	1:134:A:GLY:H	1	0.66
(1,497)	1:259:B:GLU:HA	1:259:B:GLU:HG3	6	0.66
(1,497)	1:259:B:GLU:HA	1:259:B:GLU:HG3	17	0.66
(1,497)	1:259:B:GLU:HA	1:259:B:GLU:HG3	18	0.66
(1,353)	1:226:B:ASN:HB2	1:226:B:ASN:HD22	3	0.66
(1,350)	1:226:B:ASN:HA	1:226:B:ASN:HD22	2	0.66
(1,350)	1:226:B:ASN:HA	1:226:B:ASN:HD22	4	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,350)	1:226:B:ASN:HA	1:226:B:ASN:HD22	5	0.66
(1,350)	1:226:B:ASN:HA	1:226:B:ASN:HD22	7	0.66
(1,350)	1:226:B:ASN:HA	1:226:B:ASN:HD22	11	0.66
(1,350)	1:226:B:ASN:HA	1:226:B:ASN:HD22	14	0.66
(1,350)	1:226:B:ASN:HA	1:226:B:ASN:HD22	16	0.66
(1,344)	1:224:B:ASN:HB3	1:224:B:ASN:HD22	5	0.66
(1,344)	1:224:B:ASN:HB3	1:224:B:ASN:HD22	10	0.66
(1,245)	1:159:A:GLU:HA	1:159:A:GLU:HG3	8	0.66
(1,101)	1:126:A:ASN:HB2	1:126:A:ASN:HD22	10	0.66
(1,98)	1:126:A:ASN:HA	1:126:A:ASN:HD22	5	0.66
(1,98)	1:126:A:ASN:HA	1:126:A:ASN:HD22	6	0.66
(1,98)	1:126:A:ASN:HA	1:126:A:ASN:HD22	13	0.66
(1,98)	1:126:A:ASN:HA	1:126:A:ASN:HD22	14	0.66
(1,98)	1:126:A:ASN:HA	1:126:A:ASN:HD22	16	0.66
(1,92)	1:124:A:ASN:HB3	1:124:A:ASN:HD22	6	0.66
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG11	7	0.65
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG12	7	0.65
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG13	7	0.65
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG11	7	0.65
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG12	7	0.65
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG13	7	0.65
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG11	7	0.65
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG12	7	0.65
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG13	7	0.65
(1,2105)	1:107:A:GLU:HG3	1:258:B:ILE:H	14	0.65
(1,1947)	1:218:B:TRP:HD1	1:242:B:LYS:HG3	19	0.65
(1,1862)	1:208:B:VAL:HG21	1:217:B:ARG:H	11	0.65
(1,1862)	1:208:B:VAL:HG22	1:217:B:ARG:H	11	0.65
(1,1862)	1:208:B:VAL:HG23	1:217:B:ARG:H	11	0.65
(1,1861)	1:208:B:VAL:HG21	1:216:B:TYR:HB3	12	0.65
(1,1861)	1:208:B:VAL:HG22	1:216:B:TYR:HB3	12	0.65
(1,1861)	1:208:B:VAL:HG23	1:216:B:TYR:HB3	12	0.65
(1,1861)	1:208:B:VAL:HG21	1:216:B:TYR:HB3	20	0.65
(1,1861)	1:208:B:VAL:HG22	1:216:B:TYR:HB3	20	0.65
(1,1861)	1:208:B:VAL:HG23	1:216:B:TYR:HB3	20	0.65
(1,1619)	1:108:A:VAL:HG21	1:116:A:TYR:HB3	20	0.65
(1,1619)	1:108:A:VAL:HG22	1:116:A:TYR:HB3	20	0.65
(1,1619)	1:108:A:VAL:HG23	1:116:A:TYR:HB3	20	0.65
(1,1524)	1:248:B:VAL:HG21	1:250:B:ARG:H	7	0.65
(1,1524)	1:248:B:VAL:HG22	1:250:B:ARG:H	7	0.65
(1,1524)	1:248:B:VAL:HG23	1:250:B:ARG:H	7	0.65
(1,1524)	1:248:B:VAL:HG21	1:250:B:ARG:H	20	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1524)	1:248:B:VAL:HG22	1:250:B:ARG:H	20	0.65
(1,1524)	1:248:B:VAL:HG23	1:250:B:ARG:H	20	0.65
(1,1410)	1:224:B:ASN:H	1:226:B:ASN:HD21	7	0.65
(1,1410)	1:224:B:ASN:H	1:226:B:ASN:HD21	11	0.65
(1,1358)	1:210:B:VAL:HG21	1:214:B:ASP:HA	9	0.65
(1,1358)	1:210:B:VAL:HG22	1:214:B:ASP:HA	9	0.65
(1,1358)	1:210:B:VAL:HG23	1:214:B:ASP:HA	9	0.65
(1,1358)	1:210:B:VAL:HG21	1:214:B:ASP:HA	17	0.65
(1,1358)	1:210:B:VAL:HG22	1:214:B:ASP:HA	17	0.65
(1,1358)	1:210:B:VAL:HG23	1:214:B:ASP:HA	17	0.65
(1,1318)	1:148:A:VAL:HG21	1:150:A:ARG:H	1	0.65
(1,1318)	1:148:A:VAL:HG22	1:150:A:ARG:H	1	0.65
(1,1318)	1:148:A:VAL:HG23	1:150:A:ARG:H	1	0.65
(1,1318)	1:148:A:VAL:HG21	1:150:A:ARG:H	5	0.65
(1,1318)	1:148:A:VAL:HG22	1:150:A:ARG:H	5	0.65
(1,1318)	1:148:A:VAL:HG23	1:150:A:ARG:H	5	0.65
(1,1318)	1:148:A:VAL:HG21	1:150:A:ARG:H	15	0.65
(1,1318)	1:148:A:VAL:HG22	1:150:A:ARG:H	15	0.65
(1,1318)	1:148:A:VAL:HG23	1:150:A:ARG:H	15	0.65
(1,1318)	1:148:A:VAL:HG21	1:150:A:ARG:H	16	0.65
(1,1318)	1:148:A:VAL:HG22	1:150:A:ARG:H	16	0.65
(1,1318)	1:148:A:VAL:HG23	1:150:A:ARG:H	16	0.65
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG21	5	0.65
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG22	5	0.65
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG23	5	0.65
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG21	5	0.65
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG22	5	0.65
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG23	5	0.65
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG21	5	0.65
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG22	5	0.65
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG23	5	0.65
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB1	1	0.65
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB2	1	0.65
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB3	1	0.65
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB1	4	0.65
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB2	4	0.65
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB3	4	0.65
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB1	12	0.65
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB2	12	0.65
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB3	12	0.65
(1,964)	1:225:B:GLY:H	1:226:B:ASN:HD21	3	0.65
(1,823)	1:202:B:ASN:HA	1:203:B:LYS:HG3	16	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,497)	1:259:B:GLU:HA	1:259:B:GLU:HG3	3	0.65
(1,350)	1:226:B:ASN:HA	1:226:B:ASN:HD22	6	0.65
(1,350)	1:226:B:ASN:HA	1:226:B:ASN:HD22	17	0.65
(1,344)	1:224:B:ASN:HB3	1:224:B:ASN:HD22	1	0.65
(1,344)	1:224:B:ASN:HB3	1:224:B:ASN:HD22	6	0.65
(1,344)	1:224:B:ASN:HB3	1:224:B:ASN:HD22	7	0.65
(1,344)	1:224:B:ASN:HB3	1:224:B:ASN:HD22	8	0.65
(1,344)	1:224:B:ASN:HB3	1:224:B:ASN:HD22	9	0.65
(1,344)	1:224:B:ASN:HB3	1:224:B:ASN:HD22	12	0.65
(1,344)	1:224:B:ASN:HB3	1:224:B:ASN:HD22	13	0.65
(1,344)	1:224:B:ASN:HB3	1:224:B:ASN:HD22	15	0.65
(1,344)	1:224:B:ASN:HB3	1:224:B:ASN:HD22	19	0.65
(1,245)	1:159:A:GLU:HA	1:159:A:GLU:HG3	10	0.65
(1,167)	1:142:A:LYS:HG2	1:142:A:LYS:HE3	12	0.65
(1,98)	1:126:A:ASN:HA	1:126:A:ASN:HD22	8	0.65
(1,98)	1:126:A:ASN:HA	1:126:A:ASN:HD22	19	0.65
(1,92)	1:124:A:ASN:HB3	1:124:A:ASN:HD22	2	0.65
(1,92)	1:124:A:ASN:HB3	1:124:A:ASN:HD22	5	0.65
(1,92)	1:124:A:ASN:HB3	1:124:A:ASN:HD22	8	0.65
(1,92)	1:124:A:ASN:HB3	1:124:A:ASN:HD22	12	0.65
(1,92)	1:124:A:ASN:HB3	1:124:A:ASN:HD22	13	0.65
(1,92)	1:124:A:ASN:HB3	1:124:A:ASN:HD22	16	0.65
(1,2085)	1:106:A:PHE:HD1	1:257:B:VAL:HG11	2	0.64
(1,2085)	1:106:A:PHE:HD1	1:257:B:VAL:HG12	2	0.64
(1,2085)	1:106:A:PHE:HD1	1:257:B:VAL:HG13	2	0.64
(1,2085)	1:106:A:PHE:HD2	1:257:B:VAL:HG11	2	0.64
(1,2085)	1:106:A:PHE:HD2	1:257:B:VAL:HG12	2	0.64
(1,2085)	1:106:A:PHE:HD2	1:257:B:VAL:HG13	2	0.64
(1,2085)	1:106:A:PHE:HD1	1:257:B:VAL:HG11	20	0.64
(1,2085)	1:106:A:PHE:HD1	1:257:B:VAL:HG12	20	0.64
(1,2085)	1:106:A:PHE:HD1	1:257:B:VAL:HG13	20	0.64
(1,2085)	1:106:A:PHE:HD2	1:257:B:VAL:HG11	20	0.64
(1,2085)	1:106:A:PHE:HD2	1:257:B:VAL:HG12	20	0.64
(1,2085)	1:106:A:PHE:HD2	1:257:B:VAL:HG13	20	0.64
(1,1862)	1:208:B:VAL:HG21	1:217:B:ARG:H	18	0.64
(1,1862)	1:208:B:VAL:HG22	1:217:B:ARG:H	18	0.64
(1,1862)	1:208:B:VAL:HG23	1:217:B:ARG:H	18	0.64
(1,1862)	1:208:B:VAL:HG21	1:217:B:ARG:H	19	0.64
(1,1862)	1:208:B:VAL:HG22	1:217:B:ARG:H	19	0.64
(1,1862)	1:208:B:VAL:HG23	1:217:B:ARG:H	19	0.64
(1,1619)	1:108:A:VAL:HG21	1:116:A:TYR:HB3	17	0.64
(1,1619)	1:108:A:VAL:HG22	1:116:A:TYR:HB3	17	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1619)	1:108:A:VAL:HG23	1:116:A:TYR:HB3	17	0.64
(1,1580)	1:106:A:PHE:HD1	1:120:A:LEU:HB3	16	0.64
(1,1580)	1:106:A:PHE:HD2	1:120:A:LEU:HB3	16	0.64
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG21	3	0.64
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG22	3	0.64
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG23	3	0.64
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG21	3	0.64
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG22	3	0.64
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG23	3	0.64
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG21	3	0.64
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG22	3	0.64
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG23	3	0.64
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG21	17	0.64
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG22	17	0.64
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG23	17	0.64
(1,1383)	1:215:B:LYS:HB2	1:217:B:ARG:HG2	1	0.64
(1,1366)	1:211:B:ASP:HB2	1:213:B:ALA:H	2	0.64
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG21	4	0.64
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG22	4	0.64
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG23	4	0.64
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG21	20	0.64
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG22	20	0.64
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG23	20	0.64
(1,1161)	1:111:A:ASP:HB2	1:114:A:ASP:H	19	0.64
(1,1144)	1:109:A:PHE:HE1	1:111:A:ASP:HB3	18	0.64
(1,1144)	1:109:A:PHE:HE2	1:111:A:ASP:HB3	18	0.64
(1,1101)	1:252:B:ALA:H	1:253:B:PRO:HD3	11	0.64
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB1	8	0.64
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB2	8	0.64
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB3	8	0.64
(1,785)	1:152:A:ALA:H	1:153:A:PRO:HD3	6	0.64
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB1	8	0.64
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB2	8	0.64
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB3	8	0.64
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB1	14	0.64
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB2	14	0.64
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB3	14	0.64
(1,497)	1:259:B:GLU:HA	1:259:B:GLU:HG3	14	0.64
(1,497)	1:259:B:GLU:HA	1:259:B:GLU:HG3	19	0.64
(1,495)	1:258:B:ILE:H	1:258:B:ILE:HG12	7	0.64
(1,454)	1:247:B:SER:H	1:247:B:SER:HB3	1	0.64
(1,454)	1:247:B:SER:H	1:247:B:SER:HB3	3	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,454)	1:247:B:SER:H	1:247:B:SER:HB3	15	0.64
(1,350)	1:226:B:ASN:HA	1:226:B:ASN:HD22	8	0.64
(1,350)	1:226:B:ASN:HA	1:226:B:ASN:HD22	9	0.64
(1,350)	1:226:B:ASN:HA	1:226:B:ASN:HD22	10	0.64
(1,350)	1:226:B:ASN:HA	1:226:B:ASN:HD22	12	0.64
(1,350)	1:226:B:ASN:HA	1:226:B:ASN:HD22	19	0.64
(1,344)	1:224:B:ASN:HB3	1:224:B:ASN:HD22	4	0.64
(1,344)	1:224:B:ASN:HB3	1:224:B:ASN:HD22	16	0.64
(1,245)	1:159:A:GLU:HA	1:159:A:GLU:HG3	17	0.64
(1,202)	1:147:A:SER:H	1:147:A:SER:HB3	8	0.64
(1,202)	1:147:A:SER:H	1:147:A:SER:HB3	9	0.64
(1,202)	1:147:A:SER:H	1:147:A:SER:HB3	18	0.64
(1,98)	1:126:A:ASN:HA	1:126:A:ASN:HD22	1	0.64
(1,98)	1:126:A:ASN:HA	1:126:A:ASN:HD22	2	0.64
(1,98)	1:126:A:ASN:HA	1:126:A:ASN:HD22	7	0.64
(1,98)	1:126:A:ASN:HA	1:126:A:ASN:HD22	11	0.64
(1,98)	1:126:A:ASN:HA	1:126:A:ASN:HD22	12	0.64
(1,98)	1:126:A:ASN:HA	1:126:A:ASN:HD22	15	0.64
(1,98)	1:126:A:ASN:HA	1:126:A:ASN:HD22	18	0.64
(1,98)	1:126:A:ASN:HA	1:126:A:ASN:HD22	20	0.64
(1,92)	1:124:A:ASN:HB3	1:124:A:ASN:HD22	1	0.64
(1,92)	1:124:A:ASN:HB3	1:124:A:ASN:HD22	3	0.64
(1,92)	1:124:A:ASN:HB3	1:124:A:ASN:HD22	4	0.64
(1,92)	1:124:A:ASN:HB3	1:124:A:ASN:HD22	17	0.64
(1,92)	1:124:A:ASN:HB3	1:124:A:ASN:HD22	18	0.64
(1,2326)	1:158:A:ILE:H	1:207:B:GLU:HG3	8	0.63
(1,2326)	1:158:A:ILE:H	1:207:B:GLU:HG3	15	0.63
(1,2326)	1:158:A:ILE:H	1:207:B:GLU:HG3	16	0.63
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG11	1	0.63
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG12	1	0.63
(1,2152)	1:129:A:ALA:HA	1:248:B:VAL:HG13	1	0.63
(1,2105)	1:107:A:GLU:HG3	1:258:B:ILE:H	5	0.63
(1,1861)	1:208:B:VAL:HG21	1:216:B:TYR:HB3	6	0.63
(1,1861)	1:208:B:VAL:HG22	1:216:B:TYR:HB3	6	0.63
(1,1861)	1:208:B:VAL:HG23	1:216:B:TYR:HB3	6	0.63
(1,1837)	1:207:B:GLU:HG2	1:221:B:VAL:HB	3	0.63
(1,1620)	1:108:A:VAL:HG21	1:117:A:ARG:H	20	0.63
(1,1620)	1:108:A:VAL:HG22	1:117:A:ARG:H	20	0.63
(1,1620)	1:108:A:VAL:HG23	1:117:A:ARG:H	20	0.63
(1,1619)	1:108:A:VAL:HG21	1:116:A:TYR:HB3	6	0.63
(1,1619)	1:108:A:VAL:HG22	1:116:A:TYR:HB3	6	0.63
(1,1619)	1:108:A:VAL:HG23	1:116:A:TYR:HB3	6	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1619)	1:108:A:VAL:HG21	1:116:A:TYR:HB3	8	0.63
(1,1619)	1:108:A:VAL:HG22	1:116:A:TYR:HB3	8	0.63
(1,1619)	1:108:A:VAL:HG23	1:116:A:TYR:HB3	8	0.63
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG21	16	0.63
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG22	16	0.63
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG23	16	0.63
(1,1358)	1:210:B:VAL:HG21	1:214:B:ASP:HA	19	0.63
(1,1358)	1:210:B:VAL:HG22	1:214:B:ASP:HA	19	0.63
(1,1358)	1:210:B:VAL:HG23	1:214:B:ASP:HA	19	0.63
(1,1350)	1:209:B:PHE:HE1	1:211:B:ASP:HB3	5	0.63
(1,1350)	1:209:B:PHE:HE2	1:211:B:ASP:HB3	5	0.63
(1,1199)	1:124:A:ASN:HD21	1:126:A:ASN:HD21	10	0.63
(1,1160)	1:111:A:ASP:HB2	1:113:A:ALA:H	3	0.63
(1,1152)	1:110:A:VAL:HG21	1:114:A:ASP:HA	10	0.63
(1,1152)	1:110:A:VAL:HG22	1:114:A:ASP:HA	10	0.63
(1,1152)	1:110:A:VAL:HG23	1:114:A:ASP:HA	10	0.63
(1,1101)	1:252:B:ALA:H	1:253:B:PRO:HD3	7	0.63
(1,1101)	1:252:B:ALA:H	1:253:B:PRO:HD3	13	0.63
(1,1101)	1:252:B:ALA:H	1:253:B:PRO:HD3	20	0.63
(1,785)	1:152:A:ALA:H	1:153:A:PRO:HD3	13	0.63
(1,785)	1:152:A:ALA:H	1:153:A:PRO:HD3	20	0.63
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB1	7	0.63
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB2	7	0.63
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB3	7	0.63
(1,765)	1:150:A:ARG:HB3	1:151:A:ASN:HB3	12	0.63
(1,689)	1:134:A:GLY:HA3	1:135:A:TYR:H	4	0.63
(1,648)	1:125:A:GLY:H	1:126:A:ASN:HD21	10	0.63
(1,507)	1:102:A:ASN:HA	1:103:A:LYS:HG3	1	0.63
(1,507)	1:102:A:ASN:HA	1:103:A:LYS:HG3	2	0.63
(1,507)	1:102:A:ASN:HA	1:103:A:LYS:HG3	8	0.63
(1,495)	1:258:B:ILE:H	1:258:B:ILE:HG12	4	0.63
(1,454)	1:247:B:SER:H	1:247:B:SER:HB3	4	0.63
(1,454)	1:247:B:SER:H	1:247:B:SER:HB3	5	0.63
(1,454)	1:247:B:SER:H	1:247:B:SER:HB3	8	0.63
(1,454)	1:247:B:SER:H	1:247:B:SER:HB3	9	0.63
(1,454)	1:247:B:SER:H	1:247:B:SER:HB3	14	0.63
(1,454)	1:247:B:SER:H	1:247:B:SER:HB3	18	0.63
(1,454)	1:247:B:SER:H	1:247:B:SER:HB3	19	0.63
(1,350)	1:226:B:ASN:HA	1:226:B:ASN:HD22	13	0.63
(1,344)	1:224:B:ASN:HB3	1:224:B:ASN:HD22	17	0.63
(1,202)	1:147:A:SER:H	1:147:A:SER:HB3	1	0.63
(1,202)	1:147:A:SER:H	1:147:A:SER:HB3	2	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,202)	1:147:A:SER:H	1:147:A:SER:HB3	3	0.63
(1,202)	1:147:A:SER:H	1:147:A:SER:HB3	5	0.63
(1,202)	1:147:A:SER:H	1:147:A:SER:HB3	10	0.63
(1,202)	1:147:A:SER:H	1:147:A:SER:HB3	15	0.63
(1,202)	1:147:A:SER:H	1:147:A:SER:HB3	19	0.63
(1,98)	1:126:A:ASN:HA	1:126:A:ASN:HD22	3	0.63
(1,98)	1:126:A:ASN:HA	1:126:A:ASN:HD22	4	0.63
(1,98)	1:126:A:ASN:HA	1:126:A:ASN:HD22	9	0.63
(1,92)	1:124:A:ASN:HB3	1:124:A:ASN:HD22	7	0.63
(1,92)	1:124:A:ASN:HB3	1:124:A:ASN:HD22	9	0.63
(1,92)	1:124:A:ASN:HB3	1:124:A:ASN:HD22	11	0.63
(1,92)	1:124:A:ASN:HB3	1:124:A:ASN:HD22	15	0.63
(1,92)	1:124:A:ASN:HB3	1:124:A:ASN:HD22	19	0.63
(1,92)	1:124:A:ASN:HB3	1:124:A:ASN:HD22	20	0.63
(1,2326)	1:158:A:ILE:H	1:207:B:GLU:HG3	17	0.62
(1,2326)	1:158:A:ILE:H	1:207:B:GLU:HG3	18	0.62
(1,2311)	1:158:A:ILE:HB	1:207:B:GLU:HG3	4	0.62
(1,2301)	1:157:A:VAL:HG11	1:245:B:ILE:HG21	20	0.62
(1,2301)	1:157:A:VAL:HG11	1:245:B:ILE:HG22	20	0.62
(1,2301)	1:157:A:VAL:HG11	1:245:B:ILE:HG23	20	0.62
(1,2301)	1:157:A:VAL:HG12	1:245:B:ILE:HG21	20	0.62
(1,2301)	1:157:A:VAL:HG12	1:245:B:ILE:HG22	20	0.62
(1,2301)	1:157:A:VAL:HG12	1:245:B:ILE:HG23	20	0.62
(1,2301)	1:157:A:VAL:HG13	1:245:B:ILE:HG21	20	0.62
(1,2301)	1:157:A:VAL:HG13	1:245:B:ILE:HG22	20	0.62
(1,2301)	1:157:A:VAL:HG13	1:245:B:ILE:HG23	20	0.62
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD21	11	0.62
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD22	11	0.62
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD23	11	0.62
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD21	11	0.62
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD22	11	0.62
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD23	11	0.62
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD21	11	0.62
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD22	11	0.62
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD23	11	0.62
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD21	13	0.62
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD22	13	0.62
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD23	13	0.62
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD21	13	0.62
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD22	13	0.62
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD23	13	0.62
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD21	13	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD22	13	0.62
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD23	13	0.62
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD21	16	0.62
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD22	16	0.62
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD23	16	0.62
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD21	16	0.62
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD22	16	0.62
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD23	16	0.62
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD21	16	0.62
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD22	16	0.62
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD23	16	0.62
(1,2199)	1:145:A:ILE:HG21	1:257:B:VAL:HG11	4	0.62
(1,2199)	1:145:A:ILE:HG21	1:257:B:VAL:HG12	4	0.62
(1,2199)	1:145:A:ILE:HG21	1:257:B:VAL:HG13	4	0.62
(1,2199)	1:145:A:ILE:HG22	1:257:B:VAL:HG11	4	0.62
(1,2199)	1:145:A:ILE:HG22	1:257:B:VAL:HG12	4	0.62
(1,2199)	1:145:A:ILE:HG22	1:257:B:VAL:HG13	4	0.62
(1,2199)	1:145:A:ILE:HG23	1:257:B:VAL:HG11	4	0.62
(1,2199)	1:145:A:ILE:HG23	1:257:B:VAL:HG12	4	0.62
(1,2199)	1:145:A:ILE:HG23	1:257:B:VAL:HG13	4	0.62
(1,2199)	1:145:A:ILE:HG21	1:257:B:VAL:HG11	18	0.62
(1,2199)	1:145:A:ILE:HG21	1:257:B:VAL:HG12	18	0.62
(1,2199)	1:145:A:ILE:HG21	1:257:B:VAL:HG13	18	0.62
(1,2199)	1:145:A:ILE:HG22	1:257:B:VAL:HG11	18	0.62
(1,2199)	1:145:A:ILE:HG22	1:257:B:VAL:HG12	18	0.62
(1,2199)	1:145:A:ILE:HG22	1:257:B:VAL:HG13	18	0.62
(1,2199)	1:145:A:ILE:HG23	1:257:B:VAL:HG11	18	0.62
(1,2199)	1:145:A:ILE:HG23	1:257:B:VAL:HG12	18	0.62
(1,2199)	1:145:A:ILE:HG23	1:257:B:VAL:HG13	18	0.62
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG11	11	0.62
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG12	11	0.62
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG13	11	0.62
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG11	11	0.62
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG12	11	0.62
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG13	11	0.62
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG11	11	0.62
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG12	11	0.62
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG13	11	0.62
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG11	19	0.62
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG12	19	0.62
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG13	19	0.62
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG11	19	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG12	19	0.62
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG13	19	0.62
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG11	19	0.62
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG12	19	0.62
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG13	19	0.62
(1,1524)	1:248:B:VAL:HG21	1:250:B:ARG:H	1	0.62
(1,1524)	1:248:B:VAL:HG22	1:250:B:ARG:H	1	0.62
(1,1524)	1:248:B:VAL:HG23	1:250:B:ARG:H	1	0.62
(1,1524)	1:248:B:VAL:HG21	1:250:B:ARG:H	6	0.62
(1,1524)	1:248:B:VAL:HG22	1:250:B:ARG:H	6	0.62
(1,1524)	1:248:B:VAL:HG23	1:250:B:ARG:H	6	0.62
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG21	12	0.62
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG22	12	0.62
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG23	12	0.62
(1,1410)	1:224:B:ASN:H	1:226:B:ASN:HD21	6	0.62
(1,1397)	1:222:B:HIS:H	1:225:B:GLY:HA3	12	0.62
(1,1366)	1:211:B:ASP:HB2	1:213:B:ALA:H	12	0.62
(1,1366)	1:211:B:ASP:HB2	1:213:B:ALA:H	19	0.62
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG21	1	0.62
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG22	1	0.62
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG23	1	0.62
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG21	1	0.62
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG22	1	0.62
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG23	1	0.62
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG21	1	0.62
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG22	1	0.62
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG23	1	0.62
(1,1204)	1:124:A:ASN:H	1:126:A:ASN:HD21	14	0.62
(1,1204)	1:124:A:ASN:H	1:126:A:ASN:HD21	16	0.62
(1,1177)	1:115:A:LYS:HB2	1:117:A:ARG:HG2	13	0.62
(1,1101)	1:252:B:ALA:H	1:253:B:PRO:HD3	3	0.62
(1,1101)	1:252:B:ALA:H	1:253:B:PRO:HD3	6	0.62
(1,1101)	1:252:B:ALA:H	1:253:B:PRO:HD3	15	0.62
(1,1101)	1:252:B:ALA:H	1:253:B:PRO:HD3	16	0.62
(1,1101)	1:252:B:ALA:H	1:253:B:PRO:HD3	18	0.62
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB1	10	0.62
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB2	10	0.62
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB3	10	0.62
(1,785)	1:152:A:ALA:H	1:153:A:PRO:HD3	3	0.62
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB1	16	0.62
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB2	16	0.62
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB3	16	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,750)	1:148:A:VAL:HG21	1:149:A:LYS:HA	9	0.62
(1,750)	1:148:A:VAL:HG22	1:149:A:LYS:HA	9	0.62
(1,750)	1:148:A:VAL:HG23	1:149:A:LYS:HA	9	0.62
(1,507)	1:102:A:ASN:HA	1:103:A:LYS:HG3	12	0.62
(1,495)	1:258:B:ILE:H	1:258:B:ILE:HG12	12	0.62
(1,495)	1:258:B:ILE:H	1:258:B:ILE:HG12	18	0.62
(1,454)	1:247:B:SER:H	1:247:B:SER:HB3	10	0.62
(1,454)	1:247:B:SER:H	1:247:B:SER:HB3	11	0.62
(1,454)	1:247:B:SER:H	1:247:B:SER:HB3	12	0.62
(1,454)	1:247:B:SER:H	1:247:B:SER:HB3	13	0.62
(1,454)	1:247:B:SER:H	1:247:B:SER:HB3	17	0.62
(1,454)	1:247:B:SER:H	1:247:B:SER:HB3	20	0.62
(1,243)	1:158:A:ILE:H	1:158:A:ILE:HG12	10	0.62
(1,202)	1:147:A:SER:H	1:147:A:SER:HB3	7	0.62
(1,202)	1:147:A:SER:H	1:147:A:SER:HB3	12	0.62
(1,202)	1:147:A:SER:H	1:147:A:SER:HB3	16	0.62
(1,202)	1:147:A:SER:H	1:147:A:SER:HB3	17	0.62
(1,202)	1:147:A:SER:H	1:147:A:SER:HB3	20	0.62
(1,2326)	1:158:A:ILE:H	1:207:B:GLU:HG3	14	0.61
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD21	20	0.61
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD22	20	0.61
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD23	20	0.61
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD21	20	0.61
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD22	20	0.61
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD23	20	0.61
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD21	20	0.61
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD22	20	0.61
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD23	20	0.61
(1,2199)	1:145:A:ILE:HG21	1:257:B:VAL:HG11	12	0.61
(1,2199)	1:145:A:ILE:HG21	1:257:B:VAL:HG12	12	0.61
(1,2199)	1:145:A:ILE:HG21	1:257:B:VAL:HG13	12	0.61
(1,2199)	1:145:A:ILE:HG22	1:257:B:VAL:HG11	12	0.61
(1,2199)	1:145:A:ILE:HG22	1:257:B:VAL:HG12	12	0.61
(1,2199)	1:145:A:ILE:HG22	1:257:B:VAL:HG13	12	0.61
(1,2199)	1:145:A:ILE:HG23	1:257:B:VAL:HG11	12	0.61
(1,2199)	1:145:A:ILE:HG23	1:257:B:VAL:HG12	12	0.61
(1,2199)	1:145:A:ILE:HG23	1:257:B:VAL:HG13	12	0.61
(1,1947)	1:218:B:TRP:HD1	1:242:B:LYS:HG3	8	0.61
(1,1705)	1:118:A:TRP:HD1	1:142:A:LYS:HG3	12	0.61
(1,1705)	1:118:A:TRP:HD1	1:142:A:LYS:HG3	14	0.61
(1,1619)	1:108:A:VAL:HG21	1:116:A:TYR:HB3	9	0.61
(1,1619)	1:108:A:VAL:HG22	1:116:A:TYR:HB3	9	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1619)	1:108:A:VAL:HG23	1:116:A:TYR:HB3	9	0.61
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG21	20	0.61
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG22	20	0.61
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG23	20	0.61
(1,1410)	1:224:B:ASN:H	1:226:B:ASN:HD21	16	0.61
(1,1405)	1:224:B:ASN:HD21	1:226:B:ASN:HD21	3	0.61
(1,1383)	1:215:B:LYS:HB2	1:217:B:ARG:HG2	7	0.61
(1,1358)	1:210:B:VAL:HG21	1:214:B:ASP:HA	3	0.61
(1,1358)	1:210:B:VAL:HG22	1:214:B:ASP:HA	3	0.61
(1,1358)	1:210:B:VAL:HG23	1:214:B:ASP:HA	3	0.61
(1,1358)	1:210:B:VAL:HG21	1:214:B:ASP:HA	4	0.61
(1,1358)	1:210:B:VAL:HG22	1:214:B:ASP:HA	4	0.61
(1,1358)	1:210:B:VAL:HG23	1:214:B:ASP:HA	4	0.61
(1,1350)	1:209:B:PHE:HE1	1:211:B:ASP:HB3	15	0.61
(1,1350)	1:209:B:PHE:HE2	1:211:B:ASP:HB3	15	0.61
(1,1318)	1:148:A:VAL:HG21	1:150:A:ARG:H	3	0.61
(1,1318)	1:148:A:VAL:HG22	1:150:A:ARG:H	3	0.61
(1,1318)	1:148:A:VAL:HG23	1:150:A:ARG:H	3	0.61
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG21	13	0.61
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG22	13	0.61
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG23	13	0.61
(1,1160)	1:111:A:ASP:HB2	1:113:A:ALA:H	2	0.61
(1,1152)	1:110:A:VAL:HG21	1:114:A:ASP:HA	2	0.61
(1,1152)	1:110:A:VAL:HG22	1:114:A:ASP:HA	2	0.61
(1,1152)	1:110:A:VAL:HG23	1:114:A:ASP:HA	2	0.61
(1,1152)	1:110:A:VAL:HG21	1:114:A:ASP:HA	4	0.61
(1,1152)	1:110:A:VAL:HG22	1:114:A:ASP:HA	4	0.61
(1,1152)	1:110:A:VAL:HG23	1:114:A:ASP:HA	4	0.61
(1,1144)	1:109:A:PHE:HE1	1:111:A:ASP:HB3	13	0.61
(1,1144)	1:109:A:PHE:HE2	1:111:A:ASP:HB3	13	0.61
(1,964)	1:225:B:GLY:H	1:226:B:ASN:HD21	1	0.61
(1,785)	1:152:A:ALA:H	1:153:A:PRO:HD3	10	0.61
(1,785)	1:152:A:ALA:H	1:153:A:PRO:HD3	19	0.61
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB1	3	0.61
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB2	3	0.61
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB3	3	0.61
(1,454)	1:247:B:SER:H	1:247:B:SER:HB3	2	0.61
(1,454)	1:247:B:SER:H	1:247:B:SER:HB3	6	0.61
(1,454)	1:247:B:SER:H	1:247:B:SER:HB3	7	0.61
(1,454)	1:247:B:SER:H	1:247:B:SER:HB3	16	0.61
(1,243)	1:158:A:ILE:H	1:158:A:ILE:HG12	6	0.61
(1,243)	1:158:A:ILE:H	1:158:A:ILE:HG12	12	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,243)	1:158:A:ILE:H	1:158:A:ILE:HG12	20	0.61
(1,202)	1:147:A:SER:H	1:147:A:SER:HB3	4	0.61
(1,202)	1:147:A:SER:H	1:147:A:SER:HB3	6	0.61
(1,202)	1:147:A:SER:H	1:147:A:SER:HB3	11	0.61
(1,202)	1:147:A:SER:H	1:147:A:SER:HB3	13	0.61
(1,202)	1:147:A:SER:H	1:147:A:SER:HB3	14	0.61
(1,9)	1:103:A:LYS:H	1:103:A:LYS:HG3	5	0.61
(1,2326)	1:158:A:ILE:H	1:207:B:GLU:HG3	5	0.6
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD21	12	0.6
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD22	12	0.6
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD23	12	0.6
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD21	12	0.6
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD22	12	0.6
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD23	12	0.6
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD21	12	0.6
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD22	12	0.6
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD23	12	0.6
(1,2199)	1:145:A:ILE:HG21	1:257:B:VAL:HG11	17	0.6
(1,2199)	1:145:A:ILE:HG21	1:257:B:VAL:HG12	17	0.6
(1,2199)	1:145:A:ILE:HG21	1:257:B:VAL:HG13	17	0.6
(1,2199)	1:145:A:ILE:HG22	1:257:B:VAL:HG11	17	0.6
(1,2199)	1:145:A:ILE:HG22	1:257:B:VAL:HG12	17	0.6
(1,2199)	1:145:A:ILE:HG22	1:257:B:VAL:HG13	17	0.6
(1,2199)	1:145:A:ILE:HG23	1:257:B:VAL:HG11	17	0.6
(1,2199)	1:145:A:ILE:HG23	1:257:B:VAL:HG12	17	0.6
(1,2199)	1:145:A:ILE:HG23	1:257:B:VAL:HG13	17	0.6
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG11	6	0.6
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG12	6	0.6
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG13	6	0.6
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG11	6	0.6
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG12	6	0.6
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG13	6	0.6
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG11	6	0.6
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG12	6	0.6
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG13	6	0.6
(1,2102)	1:107:A:GLU:HG3	1:258:B:ILE:HB	5	0.6
(1,2102)	1:107:A:GLU:HG3	1:258:B:ILE:HB	16	0.6
(1,1861)	1:208:B:VAL:HG21	1:216:B:TYR:HB3	17	0.6
(1,1861)	1:208:B:VAL:HG22	1:216:B:TYR:HB3	17	0.6
(1,1861)	1:208:B:VAL:HG23	1:216:B:TYR:HB3	17	0.6
(1,1655)	1:110:A:VAL:HG11	1:116:A:TYR:H	4	0.6
(1,1655)	1:110:A:VAL:HG12	1:116:A:TYR:H	4	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1655)	1:110:A:VAL:HG13	1:116:A:TYR:H	4	0.6
(1,1620)	1:108:A:VAL:HG21	1:117:A:ARG:H	19	0.6
(1,1620)	1:108:A:VAL:HG22	1:117:A:ARG:H	19	0.6
(1,1620)	1:108:A:VAL:HG23	1:117:A:ARG:H	19	0.6
(1,1524)	1:248:B:VAL:HG21	1:250:B:ARG:H	4	0.6
(1,1524)	1:248:B:VAL:HG22	1:250:B:ARG:H	4	0.6
(1,1524)	1:248:B:VAL:HG23	1:250:B:ARG:H	4	0.6
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG21	2	0.6
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG22	2	0.6
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG23	2	0.6
(1,1101)	1:252:B:ALA:H	1:253:B:PRO:HD3	10	0.6
(1,1101)	1:252:B:ALA:H	1:253:B:PRO:HD3	12	0.6
(1,1101)	1:252:B:ALA:H	1:253:B:PRO:HD3	14	0.6
(1,1101)	1:252:B:ALA:H	1:253:B:PRO:HD3	17	0.6
(1,1066)	1:248:B:VAL:HG21	1:249:B:LYS:HA	15	0.6
(1,1066)	1:248:B:VAL:HG22	1:249:B:LYS:HA	15	0.6
(1,1066)	1:248:B:VAL:HG23	1:249:B:LYS:HA	15	0.6
(1,1005)	1:234:B:GLY:HA3	1:235:B:TYR:H	3	0.6
(1,1002)	1:233:B:GLU:HB2	1:234:B:GLY:H	4	0.6
(1,823)	1:202:B:ASN:HA	1:203:B:LYS:HG3	2	0.6
(1,823)	1:202:B:ASN:HA	1:203:B:LYS:HG3	8	0.6
(1,785)	1:152:A:ALA:H	1:153:A:PRO:HD3	7	0.6
(1,785)	1:152:A:ALA:H	1:153:A:PRO:HD3	8	0.6
(1,785)	1:152:A:ALA:H	1:153:A:PRO:HD3	11	0.6
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB1	17	0.6
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB2	17	0.6
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB3	17	0.6
(1,689)	1:134:A:GLY:HA3	1:135:A:TYR:H	2	0.6
(1,689)	1:134:A:GLY:HA3	1:135:A:TYR:H	12	0.6
(1,648)	1:125:A:GLY:H	1:126:A:ASN:HD21	17	0.6
(1,495)	1:258:B:ILE:H	1:258:B:ILE:HG12	20	0.6
(1,261)	1:203:B:LYS:H	1:203:B:LYS:HG3	5	0.6
(1,243)	1:158:A:ILE:H	1:158:A:ILE:HG12	8	0.6
(1,167)	1:142:A:LYS:HG2	1:142:A:LYS:HE3	19	0.6
(1,9)	1:103:A:LYS:H	1:103:A:LYS:HG3	18	0.6
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD21	2	0.59
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD22	2	0.59
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD23	2	0.59
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD21	2	0.59
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD22	2	0.59
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD23	2	0.59
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD21	2	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD22	2	0.59
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD23	2	0.59
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD21	5	0.59
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD22	5	0.59
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD23	5	0.59
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD21	5	0.59
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD22	5	0.59
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD23	5	0.59
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD21	5	0.59
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD22	5	0.59
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD23	5	0.59
(1,2192)	1:142:A:LYS:HB2	1:257:B:VAL:HG21	2	0.59
(1,2192)	1:142:A:LYS:HB2	1:257:B:VAL:HG22	2	0.59
(1,2192)	1:142:A:LYS:HB2	1:257:B:VAL:HG23	2	0.59
(1,2192)	1:142:A:LYS:HB2	1:257:B:VAL:HG21	4	0.59
(1,2192)	1:142:A:LYS:HB2	1:257:B:VAL:HG22	4	0.59
(1,2192)	1:142:A:LYS:HB2	1:257:B:VAL:HG23	4	0.59
(1,1898)	1:210:B:VAL:HG21	1:215:B:LYS:H	8	0.59
(1,1898)	1:210:B:VAL:HG22	1:215:B:LYS:H	8	0.59
(1,1898)	1:210:B:VAL:HG23	1:215:B:LYS:H	8	0.59
(1,1619)	1:108:A:VAL:HG21	1:116:A:TYR:HB3	13	0.59
(1,1619)	1:108:A:VAL:HG22	1:116:A:TYR:HB3	13	0.59
(1,1619)	1:108:A:VAL:HG23	1:116:A:TYR:HB3	13	0.59
(1,1450)	1:239:B:GLN:HA	1:242:B:LYS:HB3	3	0.59
(1,1366)	1:211:B:ASP:HB2	1:213:B:ALA:H	6	0.59
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG21	7	0.59
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG22	7	0.59
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG23	7	0.59
(1,1204)	1:124:A:ASN:H	1:126:A:ASN:HD21	7	0.59
(1,1204)	1:124:A:ASN:H	1:126:A:ASN:HD21	19	0.59
(1,1191)	1:122:A:HIS:H	1:125:A:GLY:HA3	4	0.59
(1,1177)	1:115:A:LYS:HB2	1:117:A:ARG:HG2	17	0.59
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB1	11	0.59
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB2	11	0.59
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB3	11	0.59
(1,1081)	1:250:B:ARG:HB3	1:251:B:ASN:HB3	12	0.59
(1,1005)	1:234:B:GLY:HA3	1:235:B:TYR:H	6	0.59
(1,1002)	1:233:B:GLU:HB2	1:234:B:GLY:H	17	0.59
(1,785)	1:152:A:ALA:H	1:153:A:PRO:HD3	14	0.59
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB1	4	0.59
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB2	4	0.59
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB3	4	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,689)	1:134:A:GLY:HA3	1:135:A:TYR:H	18	0.59
(1,507)	1:102:A:ASN:HA	1:103:A:LYS:HG3	6	0.59
(1,495)	1:258:B:ILE:H	1:258:B:ILE:HG12	14	0.59
(1,495)	1:258:B:ILE:H	1:258:B:ILE:HG12	17	0.59
(1,259)	1:203:B:LYS:HG2	1:203:B:LYS:HE2	10	0.59
(1,259)	1:203:B:LYS:HG2	1:203:B:LYS:HE3	10	0.59
(1,243)	1:158:A:ILE:H	1:158:A:ILE:HG12	19	0.59
(1,9)	1:103:A:LYS:H	1:103:A:LYS:HG3	7	0.59
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG21	9	0.58
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG22	9	0.58
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG23	9	0.58
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD21	19	0.58
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD22	19	0.58
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD23	19	0.58
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD21	19	0.58
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD22	19	0.58
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD23	19	0.58
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD21	19	0.58
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD22	19	0.58
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD23	19	0.58
(1,2199)	1:145:A:ILE:HG21	1:257:B:VAL:HG11	20	0.58
(1,2199)	1:145:A:ILE:HG21	1:257:B:VAL:HG12	20	0.58
(1,2199)	1:145:A:ILE:HG21	1:257:B:VAL:HG13	20	0.58
(1,2199)	1:145:A:ILE:HG22	1:257:B:VAL:HG11	20	0.58
(1,2199)	1:145:A:ILE:HG22	1:257:B:VAL:HG12	20	0.58
(1,2199)	1:145:A:ILE:HG22	1:257:B:VAL:HG13	20	0.58
(1,2199)	1:145:A:ILE:HG23	1:257:B:VAL:HG11	20	0.58
(1,2199)	1:145:A:ILE:HG23	1:257:B:VAL:HG12	20	0.58
(1,2199)	1:145:A:ILE:HG23	1:257:B:VAL:HG13	20	0.58
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG11	4	0.58
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG12	4	0.58
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG13	4	0.58
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG11	4	0.58
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG12	4	0.58
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG13	4	0.58
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG11	4	0.58
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG12	4	0.58
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG13	4	0.58
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG11	16	0.58
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG12	16	0.58
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG13	16	0.58
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG11	16	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG12	16	0.58
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG13	16	0.58
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG11	16	0.58
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG12	16	0.58
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG13	16	0.58
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG11	17	0.58
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG12	17	0.58
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG13	17	0.58
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG11	17	0.58
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG12	17	0.58
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG13	17	0.58
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG11	17	0.58
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG12	17	0.58
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG13	17	0.58
(1,1947)	1:218:B:TRP:HD1	1:242:B:LYS:HG3	9	0.58
(1,1947)	1:218:B:TRP:HD1	1:242:B:LYS:HG3	12	0.58
(1,1862)	1:208:B:VAL:HG21	1:217:B:ARG:H	4	0.58
(1,1862)	1:208:B:VAL:HG22	1:217:B:ARG:H	4	0.58
(1,1862)	1:208:B:VAL:HG23	1:217:B:ARG:H	4	0.58
(1,1862)	1:208:B:VAL:HG21	1:217:B:ARG:H	12	0.58
(1,1862)	1:208:B:VAL:HG22	1:217:B:ARG:H	12	0.58
(1,1862)	1:208:B:VAL:HG23	1:217:B:ARG:H	12	0.58
(1,1861)	1:208:B:VAL:HG21	1:216:B:TYR:HB3	2	0.58
(1,1861)	1:208:B:VAL:HG22	1:216:B:TYR:HB3	2	0.58
(1,1861)	1:208:B:VAL:HG23	1:216:B:TYR:HB3	2	0.58
(1,1861)	1:208:B:VAL:HG21	1:216:B:TYR:HB3	7	0.58
(1,1861)	1:208:B:VAL:HG22	1:216:B:TYR:HB3	7	0.58
(1,1861)	1:208:B:VAL:HG23	1:216:B:TYR:HB3	7	0.58
(1,1705)	1:118:A:TRP:HD1	1:142:A:LYS:HG3	7	0.58
(1,1620)	1:108:A:VAL:HG21	1:117:A:ARG:H	2	0.58
(1,1620)	1:108:A:VAL:HG22	1:117:A:ARG:H	2	0.58
(1,1620)	1:108:A:VAL:HG23	1:117:A:ARG:H	2	0.58
(1,1620)	1:108:A:VAL:HG21	1:117:A:ARG:H	6	0.58
(1,1620)	1:108:A:VAL:HG22	1:117:A:ARG:H	6	0.58
(1,1620)	1:108:A:VAL:HG23	1:117:A:ARG:H	6	0.58
(1,1619)	1:108:A:VAL:HG21	1:116:A:TYR:HB3	7	0.58
(1,1619)	1:108:A:VAL:HG22	1:116:A:TYR:HB3	7	0.58
(1,1619)	1:108:A:VAL:HG23	1:116:A:TYR:HB3	7	0.58
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG21	19	0.58
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG22	19	0.58
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG23	19	0.58
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG21	19	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG22	19	0.58
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG23	19	0.58
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG21	19	0.58
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG22	19	0.58
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG23	19	0.58
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG21	13	0.58
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG22	13	0.58
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG23	13	0.58
(1,1454)	1:239:B:GLN:HB2	1:241:B:ALA:H	10	0.58
(1,1397)	1:222:B:HIS:H	1:225:B:GLY:HA3	17	0.58
(1,1366)	1:211:B:ASP:HB2	1:213:B:ALA:H	16	0.58
(1,1350)	1:209:B:PHE:HE1	1:211:B:ASP:HB3	19	0.58
(1,1350)	1:209:B:PHE:HE2	1:211:B:ASP:HB3	19	0.58
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG21	12	0.58
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG22	12	0.58
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG23	12	0.58
(1,1248)	1:139:A:GLN:HB2	1:141:A:ALA:H	2	0.58
(1,1204)	1:124:A:ASN:H	1:126:A:ASN:HD21	13	0.58
(1,1101)	1:252:B:ALA:H	1:253:B:PRO:HD3	4	0.58
(1,1101)	1:252:B:ALA:H	1:253:B:PRO:HD3	8	0.58
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB1	17	0.58
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB2	17	0.58
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB3	17	0.58
(1,1066)	1:248:B:VAL:HG21	1:249:B:LYS:HA	3	0.58
(1,1066)	1:248:B:VAL:HG22	1:249:B:LYS:HA	3	0.58
(1,1066)	1:248:B:VAL:HG23	1:249:B:LYS:HA	3	0.58
(1,785)	1:152:A:ALA:H	1:153:A:PRO:HD3	12	0.58
(1,785)	1:152:A:ALA:H	1:153:A:PRO:HD3	16	0.58
(1,785)	1:152:A:ALA:H	1:153:A:PRO:HD3	18	0.58
(1,750)	1:148:A:VAL:HG21	1:149:A:LYS:HA	1	0.58
(1,750)	1:148:A:VAL:HG22	1:149:A:LYS:HA	1	0.58
(1,750)	1:148:A:VAL:HG23	1:149:A:LYS:HA	1	0.58
(1,689)	1:134:A:GLY:HA3	1:135:A:TYR:H	20	0.58
(1,507)	1:102:A:ASN:HA	1:103:A:LYS:HG3	14	0.58
(1,495)	1:258:B:ILE:H	1:258:B:ILE:HG12	2	0.58
(1,495)	1:258:B:ILE:H	1:258:B:ILE:HG12	3	0.58
(1,495)	1:258:B:ILE:H	1:258:B:ILE:HG12	10	0.58
(1,419)	1:242:B:LYS:HG2	1:242:B:LYS:HE3	19	0.58
(1,261)	1:203:B:LYS:H	1:203:B:LYS:HG3	3	0.58
(1,261)	1:203:B:LYS:H	1:203:B:LYS:HG3	19	0.58
(1,243)	1:158:A:ILE:H	1:158:A:ILE:HG12	11	0.58
(1,243)	1:158:A:ILE:H	1:158:A:ILE:HG12	15	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2326)	1:158:A:ILE:H	1:207:B:GLU:HG3	1	0.57
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG11	10	0.57
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG12	10	0.57
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG13	10	0.57
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG11	10	0.57
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG12	10	0.57
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG13	10	0.57
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG11	10	0.57
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG12	10	0.57
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG13	10	0.57
(1,1861)	1:208:B:VAL:HG21	1:216:B:TYR:HB3	1	0.57
(1,1861)	1:208:B:VAL:HG22	1:216:B:TYR:HB3	1	0.57
(1,1861)	1:208:B:VAL:HG23	1:216:B:TYR:HB3	1	0.57
(1,1861)	1:208:B:VAL:HG21	1:216:B:TYR:HB3	8	0.57
(1,1861)	1:208:B:VAL:HG22	1:216:B:TYR:HB3	8	0.57
(1,1861)	1:208:B:VAL:HG23	1:216:B:TYR:HB3	8	0.57
(1,1619)	1:108:A:VAL:HG21	1:116:A:TYR:HB3	12	0.57
(1,1619)	1:108:A:VAL:HG22	1:116:A:TYR:HB3	12	0.57
(1,1619)	1:108:A:VAL:HG23	1:116:A:TYR:HB3	12	0.57
(1,1366)	1:211:B:ASP:HB2	1:213:B:ALA:H	3	0.57
(1,1366)	1:211:B:ASP:HB2	1:213:B:ALA:H	4	0.57
(1,1366)	1:211:B:ASP:HB2	1:213:B:ALA:H	15	0.57
(1,1366)	1:211:B:ASP:HB2	1:213:B:ALA:H	17	0.57
(1,1358)	1:210:B:VAL:HG21	1:214:B:ASP:HA	6	0.57
(1,1358)	1:210:B:VAL:HG22	1:214:B:ASP:HA	6	0.57
(1,1358)	1:210:B:VAL:HG23	1:214:B:ASP:HA	6	0.57
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG21	10	0.57
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG22	10	0.57
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG23	10	0.57
(1,1248)	1:139:A:GLN:HB2	1:141:A:ALA:H	20	0.57
(1,1191)	1:122:A:HIS:H	1:125:A:GLY:HA3	13	0.57
(1,1160)	1:111:A:ASP:HB2	1:113:A:ALA:H	17	0.57
(1,1101)	1:252:B:ALA:H	1:253:B:PRO:HD3	2	0.57
(1,1101)	1:252:B:ALA:H	1:253:B:PRO:HD3	9	0.57
(1,1101)	1:252:B:ALA:H	1:253:B:PRO:HD3	19	0.57
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB1	2	0.57
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB2	2	0.57
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB3	2	0.57
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB1	5	0.57
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB2	5	0.57
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB3	5	0.57
(1,1081)	1:250:B:ARG:HB3	1:251:B:ASN:HB3	16	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,785)	1:152:A:ALA:H	1:153:A:PRO:HD3	4	0.57
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB1	1	0.57
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB2	1	0.57
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB3	1	0.57
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB1	10	0.57
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB2	10	0.57
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB3	10	0.57
(1,689)	1:134:A:GLY:HA3	1:135:A:TYR:H	5	0.57
(1,507)	1:102:A:ASN:HA	1:103:A:LYS:HG3	9	0.57
(1,507)	1:102:A:ASN:HA	1:103:A:LYS:HG3	16	0.57
(1,495)	1:258:B:ILE:H	1:258:B:ILE:HG12	8	0.57
(1,495)	1:258:B:ILE:H	1:258:B:ILE:HG12	11	0.57
(1,243)	1:158:A:ILE:H	1:158:A:ILE:HG12	5	0.57
(1,243)	1:158:A:ILE:H	1:158:A:ILE:HG12	18	0.57
(1,2326)	1:158:A:ILE:H	1:207:B:GLU:HG3	13	0.56
(1,2301)	1:157:A:VAL:HG11	1:245:B:ILE:HG21	10	0.56
(1,2301)	1:157:A:VAL:HG11	1:245:B:ILE:HG22	10	0.56
(1,2301)	1:157:A:VAL:HG11	1:245:B:ILE:HG23	10	0.56
(1,2301)	1:157:A:VAL:HG12	1:245:B:ILE:HG21	10	0.56
(1,2301)	1:157:A:VAL:HG12	1:245:B:ILE:HG22	10	0.56
(1,2301)	1:157:A:VAL:HG12	1:245:B:ILE:HG23	10	0.56
(1,2301)	1:157:A:VAL:HG13	1:245:B:ILE:HG21	10	0.56
(1,2301)	1:157:A:VAL:HG13	1:245:B:ILE:HG22	10	0.56
(1,2301)	1:157:A:VAL:HG13	1:245:B:ILE:HG23	10	0.56
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD21	1	0.56
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD22	1	0.56
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD23	1	0.56
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD21	1	0.56
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD22	1	0.56
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD23	1	0.56
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD21	1	0.56
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD22	1	0.56
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD23	1	0.56
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD21	7	0.56
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD22	7	0.56
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD23	7	0.56
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD21	7	0.56
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD22	7	0.56
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD23	7	0.56
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD21	7	0.56
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD22	7	0.56
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD23	7	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD21	10	0.56
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD22	10	0.56
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD23	10	0.56
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD21	10	0.56
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD22	10	0.56
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD23	10	0.56
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD21	10	0.56
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD22	10	0.56
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD23	10	0.56
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD21	17	0.56
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD22	17	0.56
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD23	17	0.56
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD21	17	0.56
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD22	17	0.56
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD23	17	0.56
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD21	17	0.56
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD22	17	0.56
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD23	17	0.56
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG11	13	0.56
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG12	13	0.56
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG13	13	0.56
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG11	13	0.56
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG12	13	0.56
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG13	13	0.56
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG11	13	0.56
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG12	13	0.56
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG13	13	0.56
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG11	20	0.56
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG12	20	0.56
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG13	20	0.56
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG11	20	0.56
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG12	20	0.56
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG13	20	0.56
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG11	20	0.56
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG12	20	0.56
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG13	20	0.56
(1,1897)	1:210:B:VAL:HG11	1:216:B:TYR:H	18	0.56
(1,1897)	1:210:B:VAL:HG12	1:216:B:TYR:H	18	0.56
(1,1897)	1:210:B:VAL:HG13	1:216:B:TYR:H	18	0.56
(1,1620)	1:108:A:VAL:HG21	1:117:A:ARG:H	5	0.56
(1,1620)	1:108:A:VAL:HG22	1:117:A:ARG:H	5	0.56
(1,1620)	1:108:A:VAL:HG23	1:117:A:ARG:H	5	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1620)	1:108:A:VAL:HG21	1:117:A:ARG:H	7	0.56
(1,1620)	1:108:A:VAL:HG22	1:117:A:ARG:H	7	0.56
(1,1620)	1:108:A:VAL:HG23	1:117:A:ARG:H	7	0.56
(1,1620)	1:108:A:VAL:HG21	1:117:A:ARG:H	11	0.56
(1,1620)	1:108:A:VAL:HG22	1:117:A:ARG:H	11	0.56
(1,1620)	1:108:A:VAL:HG23	1:117:A:ARG:H	11	0.56
(1,1595)	1:107:A:GLU:HG2	1:121:A:VAL:HB	8	0.56
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG21	14	0.56
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG22	14	0.56
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG23	14	0.56
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG21	14	0.56
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG22	14	0.56
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG23	14	0.56
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG21	14	0.56
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG22	14	0.56
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG23	14	0.56
(1,1410)	1:224:B:ASN:H	1:226:B:ASN:HD21	19	0.56
(1,1358)	1:210:B:VAL:HG21	1:214:B:ASP:HA	2	0.56
(1,1358)	1:210:B:VAL:HG22	1:214:B:ASP:HA	2	0.56
(1,1358)	1:210:B:VAL:HG23	1:214:B:ASP:HA	2	0.56
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG21	9	0.56
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG22	9	0.56
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG23	9	0.56
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG21	9	0.56
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG22	9	0.56
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG23	9	0.56
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG21	9	0.56
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG22	9	0.56
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG23	9	0.56
(1,1248)	1:139:A:GLN:HB2	1:141:A:ALA:H	11	0.56
(1,1144)	1:109:A:PHE:HE1	1:111:A:ASP:HB3	5	0.56
(1,1144)	1:109:A:PHE:HE2	1:111:A:ASP:HB3	5	0.56
(1,1101)	1:252:B:ALA:H	1:253:B:PRO:HD3	1	0.56
(1,1101)	1:252:B:ALA:H	1:253:B:PRO:HD3	5	0.56
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB1	13	0.56
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB2	13	0.56
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB3	13	0.56
(1,1081)	1:250:B:ARG:HB3	1:251:B:ASN:HB3	7	0.56
(1,823)	1:202:B:ASN:HA	1:203:B:LYS:HG3	15	0.56
(1,785)	1:152:A:ALA:H	1:153:A:PRO:HD3	1	0.56
(1,785)	1:152:A:ALA:H	1:153:A:PRO:HD3	9	0.56
(1,785)	1:152:A:ALA:H	1:153:A:PRO:HD3	15	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB1	6	0.56
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB2	6	0.56
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB3	6	0.56
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB1	13	0.56
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB2	13	0.56
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB3	13	0.56
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB1	20	0.56
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB2	20	0.56
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB3	20	0.56
(1,689)	1:134:A:GLY:HA3	1:135:A:TYR:H	10	0.56
(1,495)	1:258:B:ILE:H	1:258:B:ILE:HG12	6	0.56
(1,495)	1:258:B:ILE:H	1:258:B:ILE:HG12	9	0.56
(1,243)	1:158:A:ILE:H	1:158:A:ILE:HG12	3	0.56
(1,243)	1:158:A:ILE:H	1:158:A:ILE:HG12	16	0.56
(1,2304)	1:157:A:VAL:HG21	1:242:B:LYS:HB2	10	0.55
(1,2304)	1:157:A:VAL:HG22	1:242:B:LYS:HB2	10	0.55
(1,2304)	1:157:A:VAL:HG23	1:242:B:LYS:HB2	10	0.55
(1,1907)	1:215:B:LYS:HG2	1:235:B:TYR:H	3	0.55
(1,1705)	1:118:A:TRP:HD1	1:142:A:LYS:HG3	17	0.55
(1,1620)	1:108:A:VAL:HG21	1:117:A:ARG:H	18	0.55
(1,1620)	1:108:A:VAL:HG22	1:117:A:ARG:H	18	0.55
(1,1620)	1:108:A:VAL:HG23	1:117:A:ARG:H	18	0.55
(1,1619)	1:108:A:VAL:HG21	1:116:A:TYR:HB3	14	0.55
(1,1619)	1:108:A:VAL:HG22	1:116:A:TYR:HB3	14	0.55
(1,1619)	1:108:A:VAL:HG23	1:116:A:TYR:HB3	14	0.55
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG21	15	0.55
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG22	15	0.55
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG23	15	0.55
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG21	15	0.55
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG22	15	0.55
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG23	15	0.55
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG21	15	0.55
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG22	15	0.55
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG23	15	0.55
(1,1454)	1:239:B:GLN:HB2	1:241:B:ALA:H	6	0.55
(1,1454)	1:239:B:GLN:HB2	1:241:B:ALA:H	14	0.55
(1,1397)	1:222:B:HIS:H	1:225:B:GLY:HA3	6	0.55
(1,1397)	1:222:B:HIS:H	1:225:B:GLY:HA3	9	0.55
(1,1397)	1:222:B:HIS:H	1:225:B:GLY:HA3	13	0.55
(1,1366)	1:211:B:ASP:HB2	1:213:B:ALA:H	11	0.55
(1,1360)	1:210:B:VAL:HG21	1:214:B:ASP:HB2	15	0.55
(1,1360)	1:210:B:VAL:HG22	1:214:B:ASP:HB2	15	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1360)	1:210:B:VAL:HG23	1:214:B:ASP:HB2	15	0.55
(1,1318)	1:148:A:VAL:HG21	1:150:A:ARG:H	2	0.55
(1,1318)	1:148:A:VAL:HG22	1:150:A:ARG:H	2	0.55
(1,1318)	1:148:A:VAL:HG23	1:150:A:ARG:H	2	0.55
(1,1248)	1:139:A:GLN:HB2	1:141:A:ALA:H	14	0.55
(1,1248)	1:139:A:GLN:HB2	1:141:A:ALA:H	16	0.55
(1,1191)	1:122:A:HIS:H	1:125:A:GLY:HA3	9	0.55
(1,1191)	1:122:A:HIS:H	1:125:A:GLY:HA3	12	0.55
(1,1191)	1:122:A:HIS:H	1:125:A:GLY:HA3	20	0.55
(1,1160)	1:111:A:ASP:HB2	1:113:A:ALA:H	5	0.55
(1,1160)	1:111:A:ASP:HB2	1:113:A:ALA:H	7	0.55
(1,1160)	1:111:A:ASP:HB2	1:113:A:ALA:H	9	0.55
(1,1160)	1:111:A:ASP:HB2	1:113:A:ALA:H	20	0.55
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB1	16	0.55
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB2	16	0.55
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB3	16	0.55
(1,1066)	1:248:B:VAL:HG21	1:249:B:LYS:HA	5	0.55
(1,1066)	1:248:B:VAL:HG22	1:249:B:LYS:HA	5	0.55
(1,1066)	1:248:B:VAL:HG23	1:249:B:LYS:HA	5	0.55
(1,1005)	1:234:B:GLY:HA3	1:235:B:TYR:H	5	0.55
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG21	8	0.55
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG22	8	0.55
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG23	8	0.55
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG21	8	0.55
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG22	8	0.55
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG23	8	0.55
(1,823)	1:202:B:ASN:HA	1:203:B:LYS:HG3	10	0.55
(1,785)	1:152:A:ALA:H	1:153:A:PRO:HD3	17	0.55
(1,750)	1:148:A:VAL:HG21	1:149:A:LYS:HA	17	0.55
(1,750)	1:148:A:VAL:HG22	1:149:A:LYS:HA	17	0.55
(1,750)	1:148:A:VAL:HG23	1:149:A:LYS:HA	17	0.55
(1,750)	1:148:A:VAL:HG21	1:149:A:LYS:HA	19	0.55
(1,750)	1:148:A:VAL:HG22	1:149:A:LYS:HA	19	0.55
(1,750)	1:148:A:VAL:HG23	1:149:A:LYS:HA	19	0.55
(1,243)	1:158:A:ILE:H	1:158:A:ILE:HG12	7	0.55
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD21	3	0.54
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD22	3	0.54
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD23	3	0.54
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD21	3	0.54
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD22	3	0.54
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD23	3	0.54
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD21	3	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD22	3	0.54
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD23	3	0.54
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD21	9	0.54
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD22	9	0.54
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD23	9	0.54
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD21	9	0.54
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD22	9	0.54
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD23	9	0.54
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD21	9	0.54
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD22	9	0.54
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD23	9	0.54
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG11	5	0.54
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG12	5	0.54
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG13	5	0.54
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG11	5	0.54
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG12	5	0.54
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG13	5	0.54
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG11	5	0.54
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG12	5	0.54
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG13	5	0.54
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG11	9	0.54
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG12	9	0.54
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG13	9	0.54
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG11	9	0.54
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG12	9	0.54
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG13	9	0.54
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG11	9	0.54
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG12	9	0.54
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG13	9	0.54
(1,2102)	1:107:A:GLU:HG3	1:258:B:ILE:HB	9	0.54
(1,1897)	1:210:B:VAL:HG11	1:216:B:TYR:H	5	0.54
(1,1897)	1:210:B:VAL:HG12	1:216:B:TYR:H	5	0.54
(1,1897)	1:210:B:VAL:HG13	1:216:B:TYR:H	5	0.54
(1,1862)	1:208:B:VAL:HG21	1:217:B:ARG:H	10	0.54
(1,1862)	1:208:B:VAL:HG22	1:217:B:ARG:H	10	0.54
(1,1862)	1:208:B:VAL:HG23	1:217:B:ARG:H	10	0.54
(1,1837)	1:207:B:GLU:HG2	1:221:B:VAL:HB	12	0.54
(1,1620)	1:108:A:VAL:HG21	1:117:A:ARG:H	9	0.54
(1,1620)	1:108:A:VAL:HG22	1:117:A:ARG:H	9	0.54
(1,1620)	1:108:A:VAL:HG23	1:117:A:ARG:H	9	0.54
(1,1620)	1:108:A:VAL:HG21	1:117:A:ARG:H	16	0.54
(1,1620)	1:108:A:VAL:HG22	1:117:A:ARG:H	16	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1620)	1:108:A:VAL:HG23	1:117:A:ARG:H	16	0.54
(1,1523)	1:248:B:VAL:HG11	1:251:B:ASN:HD21	11	0.54
(1,1523)	1:248:B:VAL:HG12	1:251:B:ASN:HD21	11	0.54
(1,1523)	1:248:B:VAL:HG13	1:251:B:ASN:HD21	11	0.54
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG21	10	0.54
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG22	10	0.54
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG23	10	0.54
(1,1454)	1:239:B:GLN:HB2	1:241:B:ALA:H	3	0.54
(1,1410)	1:224:B:ASN:H	1:226:B:ASN:HD21	4	0.54
(1,1410)	1:224:B:ASN:H	1:226:B:ASN:HD21	20	0.54
(1,1405)	1:224:B:ASN:HD21	1:226:B:ASN:HD21	6	0.54
(1,1366)	1:211:B:ASP:HB2	1:213:B:ALA:H	20	0.54
(1,1248)	1:139:A:GLN:HB2	1:141:A:ALA:H	3	0.54
(1,1204)	1:124:A:ASN:H	1:126:A:ASN:HD21	5	0.54
(1,1196)	1:124:A:ASN:HB2	1:126:A:ASN:HD21	17	0.54
(1,1191)	1:122:A:HIS:H	1:125:A:GLY:HA3	2	0.54
(1,1191)	1:122:A:HIS:H	1:125:A:GLY:HA3	15	0.54
(1,1160)	1:111:A:ASP:HB2	1:113:A:ALA:H	12	0.54
(1,1160)	1:111:A:ASP:HB2	1:113:A:ALA:H	15	0.54
(1,1156)	1:111:A:ASP:HA	1:115:A:LYS:HG3	4	0.54
(1,1144)	1:109:A:PHE:HE1	1:111:A:ASP:HB3	7	0.54
(1,1144)	1:109:A:PHE:HE2	1:111:A:ASP:HB3	7	0.54
(1,1144)	1:109:A:PHE:HE1	1:111:A:ASP:HB3	9	0.54
(1,1144)	1:109:A:PHE:HE2	1:111:A:ASP:HB3	9	0.54
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB1	6	0.54
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB2	6	0.54
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB3	6	0.54
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB1	14	0.54
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB2	14	0.54
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB3	14	0.54
(1,1066)	1:248:B:VAL:HG21	1:249:B:LYS:HA	2	0.54
(1,1066)	1:248:B:VAL:HG22	1:249:B:LYS:HA	2	0.54
(1,1066)	1:248:B:VAL:HG23	1:249:B:LYS:HA	2	0.54
(1,1066)	1:248:B:VAL:HG21	1:249:B:LYS:HA	8	0.54
(1,1066)	1:248:B:VAL:HG22	1:249:B:LYS:HA	8	0.54
(1,1066)	1:248:B:VAL:HG23	1:249:B:LYS:HA	8	0.54
(1,1066)	1:248:B:VAL:HG21	1:249:B:LYS:HA	9	0.54
(1,1066)	1:248:B:VAL:HG22	1:249:B:LYS:HA	9	0.54
(1,1066)	1:248:B:VAL:HG23	1:249:B:LYS:HA	9	0.54
(1,1066)	1:248:B:VAL:HG21	1:249:B:LYS:HA	14	0.54
(1,1066)	1:248:B:VAL:HG22	1:249:B:LYS:HA	14	0.54
(1,1066)	1:248:B:VAL:HG23	1:249:B:LYS:HA	14	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB1	5	0.54
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB2	5	0.54
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB3	5	0.54
(1,750)	1:148:A:VAL:HG21	1:149:A:LYS:HA	5	0.54
(1,750)	1:148:A:VAL:HG22	1:149:A:LYS:HA	5	0.54
(1,750)	1:148:A:VAL:HG23	1:149:A:LYS:HA	5	0.54
(1,750)	1:148:A:VAL:HG21	1:149:A:LYS:HA	12	0.54
(1,750)	1:148:A:VAL:HG22	1:149:A:LYS:HA	12	0.54
(1,750)	1:148:A:VAL:HG23	1:149:A:LYS:HA	12	0.54
(1,750)	1:148:A:VAL:HG21	1:149:A:LYS:HA	16	0.54
(1,750)	1:148:A:VAL:HG22	1:149:A:LYS:HA	16	0.54
(1,750)	1:148:A:VAL:HG23	1:149:A:LYS:HA	16	0.54
(1,689)	1:134:A:GLY:HA3	1:135:A:TYR:H	6	0.54
(1,507)	1:102:A:ASN:HA	1:103:A:LYS:HG3	3	0.54
(1,495)	1:258:B:ILE:H	1:258:B:ILE:HG12	15	0.54
(1,243)	1:158:A:ILE:H	1:158:A:ILE:HG12	2	0.54
(1,2326)	1:158:A:ILE:H	1:207:B:GLU:HG3	9	0.53
(1,2311)	1:158:A:ILE:HB	1:207:B:GLU:HG3	11	0.53
(1,2311)	1:158:A:ILE:HB	1:207:B:GLU:HG3	17	0.53
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD21	8	0.53
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD22	8	0.53
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD23	8	0.53
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD21	8	0.53
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD22	8	0.53
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD23	8	0.53
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD21	8	0.53
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD22	8	0.53
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD23	8	0.53
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG11	3	0.53
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG12	3	0.53
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG13	3	0.53
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG11	3	0.53
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG12	3	0.53
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG13	3	0.53
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG11	3	0.53
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG12	3	0.53
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG13	3	0.53
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG11	8	0.53
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG12	8	0.53
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG13	8	0.53
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG11	8	0.53
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG12	8	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG13	8	0.53
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG11	8	0.53
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG12	8	0.53
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG13	8	0.53
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG11	12	0.53
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG12	12	0.53
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG13	12	0.53
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG11	12	0.53
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG12	12	0.53
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG13	12	0.53
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG11	12	0.53
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG12	12	0.53
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG13	12	0.53
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG11	14	0.53
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG12	14	0.53
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG13	14	0.53
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG11	14	0.53
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG12	14	0.53
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG13	14	0.53
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG11	14	0.53
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG12	14	0.53
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG13	14	0.53
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG11	15	0.53
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG12	15	0.53
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG13	15	0.53
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG11	15	0.53
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG12	15	0.53
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG13	15	0.53
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG11	15	0.53
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG12	15	0.53
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG13	15	0.53
(1,2105)	1:107:A:GLU:HG3	1:258:B:ILE:H	19	0.53
(1,1837)	1:207:B:GLU:HG2	1:221:B:VAL:HB	2	0.53
(1,1768)	1:121:A:VAL:HG11	1:126:A:ASN:HD22	10	0.53
(1,1768)	1:121:A:VAL:HG12	1:126:A:ASN:HD22	10	0.53
(1,1768)	1:121:A:VAL:HG13	1:126:A:ASN:HD22	10	0.53
(1,1768)	1:121:A:VAL:HG21	1:126:A:ASN:HD22	10	0.53
(1,1768)	1:121:A:VAL:HG22	1:126:A:ASN:HD22	10	0.53
(1,1768)	1:121:A:VAL:HG23	1:126:A:ASN:HD22	10	0.53
(1,1620)	1:108:A:VAL:HG21	1:117:A:ARG:H	13	0.53
(1,1620)	1:108:A:VAL:HG22	1:117:A:ARG:H	13	0.53
(1,1620)	1:108:A:VAL:HG23	1:117:A:ARG:H	13	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1595)	1:107:A:GLU:HG2	1:121:A:VAL:HB	3	0.53
(1,1454)	1:239:B:GLN:HB2	1:241:B:ALA:H	13	0.53
(1,1454)	1:239:B:GLN:HB2	1:241:B:ALA:H	17	0.53
(1,1360)	1:210:B:VAL:HG21	1:214:B:ASP:HB2	8	0.53
(1,1360)	1:210:B:VAL:HG22	1:214:B:ASP:HB2	8	0.53
(1,1360)	1:210:B:VAL:HG23	1:214:B:ASP:HB2	8	0.53
(1,1317)	1:148:A:VAL:HG11	1:151:A:ASN:HD21	6	0.53
(1,1317)	1:148:A:VAL:HG12	1:151:A:ASN:HD21	6	0.53
(1,1317)	1:148:A:VAL:HG13	1:151:A:ASN:HD21	6	0.53
(1,1317)	1:148:A:VAL:HG11	1:151:A:ASN:HD21	20	0.53
(1,1317)	1:148:A:VAL:HG12	1:151:A:ASN:HD21	20	0.53
(1,1317)	1:148:A:VAL:HG13	1:151:A:ASN:HD21	20	0.53
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG21	17	0.53
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG22	17	0.53
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG23	17	0.53
(1,1191)	1:122:A:HIS:H	1:125:A:GLY:HA3	18	0.53
(1,1160)	1:111:A:ASP:HB2	1:113:A:ALA:H	1	0.53
(1,1160)	1:111:A:ASP:HB2	1:113:A:ALA:H	8	0.53
(1,1160)	1:111:A:ASP:HB2	1:113:A:ALA:H	10	0.53
(1,1160)	1:111:A:ASP:HB2	1:113:A:ALA:H	13	0.53
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB1	19	0.53
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB2	19	0.53
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB3	19	0.53
(1,1066)	1:248:B:VAL:HG21	1:249:B:LYS:HA	16	0.53
(1,1066)	1:248:B:VAL:HG22	1:249:B:LYS:HA	16	0.53
(1,1066)	1:248:B:VAL:HG23	1:249:B:LYS:HA	16	0.53
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG21	15	0.53
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG22	15	0.53
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG23	15	0.53
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG21	15	0.53
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG22	15	0.53
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG23	15	0.53
(1,823)	1:202:B:ASN:HA	1:203:B:LYS:HG3	4	0.53
(1,823)	1:202:B:ASN:HA	1:203:B:LYS:HG3	20	0.53
(1,785)	1:152:A:ALA:H	1:153:A:PRO:HD3	5	0.53
(1,243)	1:158:A:ILE:H	1:158:A:ILE:HG12	14	0.53
(1,243)	1:158:A:ILE:H	1:158:A:ILE:HG12	17	0.53
(1,2311)	1:158:A:ILE:HB	1:207:B:GLU:HG3	3	0.52
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB1	12	0.52
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB2	12	0.52
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB3	12	0.52
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB1	12	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB2	12	0.52
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB3	12	0.52
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB1	12	0.52
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB2	12	0.52
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB3	12	0.52
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB1	14	0.52
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB2	14	0.52
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB3	14	0.52
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB1	14	0.52
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB2	14	0.52
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB3	14	0.52
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB1	14	0.52
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB2	14	0.52
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB3	14	0.52
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB1	16	0.52
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB2	16	0.52
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB3	16	0.52
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB1	16	0.52
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB2	16	0.52
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB3	16	0.52
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB1	16	0.52
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB2	16	0.52
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB3	16	0.52
(1,2192)	1:142:A:LYS:HB2	1:257:B:VAL:HG21	17	0.52
(1,2192)	1:142:A:LYS:HB2	1:257:B:VAL:HG22	17	0.52
(1,2192)	1:142:A:LYS:HB2	1:257:B:VAL:HG23	17	0.52
(1,2192)	1:142:A:LYS:HB2	1:257:B:VAL:HG21	20	0.52
(1,2192)	1:142:A:LYS:HB2	1:257:B:VAL:HG22	20	0.52
(1,2192)	1:142:A:LYS:HB2	1:257:B:VAL:HG23	20	0.52
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG11	1	0.52
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG12	1	0.52
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG13	1	0.52
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG11	1	0.52
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG12	1	0.52
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG13	1	0.52
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG11	1	0.52
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG12	1	0.52
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG13	1	0.52
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG11	18	0.52
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG12	18	0.52
(1,2129)	1:120:A:LEU:HD21	1:248:B:VAL:HG13	18	0.52
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG11	18	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG12	18	0.52
(1,2129)	1:120:A:LEU:HD22	1:248:B:VAL:HG13	18	0.52
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG11	18	0.52
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG12	18	0.52
(1,2129)	1:120:A:LEU:HD23	1:248:B:VAL:HG13	18	0.52
(1,2107)	1:108:A:VAL:HG21	1:260:B:ALA:H	12	0.52
(1,2107)	1:108:A:VAL:HG22	1:260:B:ALA:H	12	0.52
(1,2107)	1:108:A:VAL:HG23	1:260:B:ALA:H	12	0.52
(1,1861)	1:208:B:VAL:HG21	1:216:B:TYR:HB3	15	0.52
(1,1861)	1:208:B:VAL:HG22	1:216:B:TYR:HB3	15	0.52
(1,1861)	1:208:B:VAL:HG23	1:216:B:TYR:HB3	15	0.52
(1,1861)	1:208:B:VAL:HG21	1:216:B:TYR:HB3	18	0.52
(1,1861)	1:208:B:VAL:HG22	1:216:B:TYR:HB3	18	0.52
(1,1861)	1:208:B:VAL:HG23	1:216:B:TYR:HB3	18	0.52
(1,1619)	1:108:A:VAL:HG21	1:116:A:TYR:HB3	3	0.52
(1,1619)	1:108:A:VAL:HG22	1:116:A:TYR:HB3	3	0.52
(1,1619)	1:108:A:VAL:HG23	1:116:A:TYR:HB3	3	0.52
(1,1595)	1:107:A:GLU:HG2	1:121:A:VAL:HB	2	0.52
(1,1595)	1:107:A:GLU:HG2	1:121:A:VAL:HB	5	0.52
(1,1523)	1:248:B:VAL:HG11	1:251:B:ASN:HD21	9	0.52
(1,1523)	1:248:B:VAL:HG12	1:251:B:ASN:HD21	9	0.52
(1,1523)	1:248:B:VAL:HG13	1:251:B:ASN:HD21	9	0.52
(1,1523)	1:248:B:VAL:HG11	1:251:B:ASN:HD21	12	0.52
(1,1523)	1:248:B:VAL:HG12	1:251:B:ASN:HD21	12	0.52
(1,1523)	1:248:B:VAL:HG13	1:251:B:ASN:HD21	12	0.52
(1,1454)	1:239:B:GLN:HB2	1:241:B:ALA:H	11	0.52
(1,1402)	1:224:B:ASN:HB2	1:226:B:ASN:HD21	1	0.52
(1,1366)	1:211:B:ASP:HB2	1:213:B:ALA:H	8	0.52
(1,1366)	1:211:B:ASP:HB2	1:213:B:ALA:H	9	0.52
(1,1366)	1:211:B:ASP:HB2	1:213:B:ALA:H	14	0.52
(1,1317)	1:148:A:VAL:HG11	1:151:A:ASN:HD21	17	0.52
(1,1317)	1:148:A:VAL:HG12	1:151:A:ASN:HD21	17	0.52
(1,1317)	1:148:A:VAL:HG13	1:151:A:ASN:HD21	17	0.52
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG21	16	0.52
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG22	16	0.52
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG23	16	0.52
(1,1248)	1:139:A:GLN:HB2	1:141:A:ALA:H	9	0.52
(1,1248)	1:139:A:GLN:HB2	1:141:A:ALA:H	10	0.52
(1,1248)	1:139:A:GLN:HB2	1:141:A:ALA:H	15	0.52
(1,1204)	1:124:A:ASN:H	1:126:A:ASN:HD21	1	0.52
(1,1204)	1:124:A:ASN:H	1:126:A:ASN:HD21	2	0.52
(1,1196)	1:124:A:ASN:HB2	1:126:A:ASN:HD21	10	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1191)	1:122:A:HIS:H	1:125:A:GLY:HA3	1	0.52
(1,1144)	1:109:A:PHE:HE1	1:111:A:ASP:HB3	20	0.52
(1,1144)	1:109:A:PHE:HE2	1:111:A:ASP:HB3	20	0.52
(1,1005)	1:234:B:GLY:HA3	1:235:B:TYR:H	9	0.52
(1,1005)	1:234:B:GLY:HA3	1:235:B:TYR:H	11	0.52
(1,1005)	1:234:B:GLY:HA3	1:235:B:TYR:H	20	0.52
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB1	9	0.52
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB2	9	0.52
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB3	9	0.52
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB1	19	0.52
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB2	19	0.52
(1,773)	1:151:A:ASN:HB3	1:152:A:ALA:HB3	19	0.52
(1,750)	1:148:A:VAL:HG21	1:149:A:LYS:HA	3	0.52
(1,750)	1:148:A:VAL:HG22	1:149:A:LYS:HA	3	0.52
(1,750)	1:148:A:VAL:HG23	1:149:A:LYS:HA	3	0.52
(1,750)	1:148:A:VAL:HG21	1:149:A:LYS:HA	7	0.52
(1,750)	1:148:A:VAL:HG22	1:149:A:LYS:HA	7	0.52
(1,750)	1:148:A:VAL:HG23	1:149:A:LYS:HA	7	0.52
(1,750)	1:148:A:VAL:HG21	1:149:A:LYS:HA	15	0.52
(1,750)	1:148:A:VAL:HG22	1:149:A:LYS:HA	15	0.52
(1,750)	1:148:A:VAL:HG23	1:149:A:LYS:HA	15	0.52
(1,495)	1:258:B:ILE:H	1:258:B:ILE:HG12	13	0.52
(1,426)	1:242:B:LYS:H	1:242:B:LYS:HG2	16	0.52
(1,243)	1:158:A:ILE:H	1:158:A:ILE:HG12	4	0.52
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG21	8	0.51
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG22	8	0.51
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG23	8	0.51
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG21	12	0.51
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG22	12	0.51
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG23	12	0.51
(1,2311)	1:158:A:ILE:HB	1:207:B:GLU:HG3	15	0.51
(1,2311)	1:158:A:ILE:HB	1:207:B:GLU:HG3	16	0.51
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD21	18	0.51
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD22	18	0.51
(1,2210)	1:148:A:VAL:HG11	1:220:B:LEU:HD23	18	0.51
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD21	18	0.51
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD22	18	0.51
(1,2210)	1:148:A:VAL:HG12	1:220:B:LEU:HD23	18	0.51
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD21	18	0.51
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD22	18	0.51
(1,2210)	1:148:A:VAL:HG13	1:220:B:LEU:HD23	18	0.51
(1,1790)	1:148:A:VAL:HG21	1:153:A:PRO:HD2	17	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1790)	1:148:A:VAL:HG22	1:153:A:PRO:HD2	17	0.51
(1,1790)	1:148:A:VAL:HG23	1:153:A:PRO:HD2	17	0.51
(1,1705)	1:118:A:TRP:HD1	1:142:A:LYS:HG3	9	0.51
(1,1655)	1:110:A:VAL:HG11	1:116:A:TYR:H	6	0.51
(1,1655)	1:110:A:VAL:HG12	1:116:A:TYR:H	6	0.51
(1,1655)	1:110:A:VAL:HG13	1:116:A:TYR:H	6	0.51
(1,1523)	1:248:B:VAL:HG11	1:251:B:ASN:HD21	7	0.51
(1,1523)	1:248:B:VAL:HG12	1:251:B:ASN:HD21	7	0.51
(1,1523)	1:248:B:VAL:HG13	1:251:B:ASN:HD21	7	0.51
(1,1523)	1:248:B:VAL:HG11	1:251:B:ASN:HD21	13	0.51
(1,1523)	1:248:B:VAL:HG12	1:251:B:ASN:HD21	13	0.51
(1,1523)	1:248:B:VAL:HG13	1:251:B:ASN:HD21	13	0.51
(1,1454)	1:239:B:GLN:HB2	1:241:B:ALA:H	9	0.51
(1,1454)	1:239:B:GLN:HB2	1:241:B:ALA:H	16	0.51
(1,1402)	1:224:B:ASN:HB2	1:226:B:ASN:HD21	3	0.51
(1,1317)	1:148:A:VAL:HG11	1:151:A:ASN:HD21	4	0.51
(1,1317)	1:148:A:VAL:HG12	1:151:A:ASN:HD21	4	0.51
(1,1317)	1:148:A:VAL:HG13	1:151:A:ASN:HD21	4	0.51
(1,1317)	1:148:A:VAL:HG11	1:151:A:ASN:HD21	7	0.51
(1,1317)	1:148:A:VAL:HG12	1:151:A:ASN:HD21	7	0.51
(1,1317)	1:148:A:VAL:HG13	1:151:A:ASN:HD21	7	0.51
(1,1317)	1:148:A:VAL:HG11	1:151:A:ASN:HD21	15	0.51
(1,1317)	1:148:A:VAL:HG12	1:151:A:ASN:HD21	15	0.51
(1,1317)	1:148:A:VAL:HG13	1:151:A:ASN:HD21	15	0.51
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG21	19	0.51
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG22	19	0.51
(1,1288)	1:145:A:ILE:HA	1:148:A:VAL:HG23	19	0.51
(1,1248)	1:139:A:GLN:HB2	1:141:A:ALA:H	18	0.51
(1,1204)	1:124:A:ASN:H	1:126:A:ASN:HD21	18	0.51
(1,1199)	1:124:A:ASN:HD21	1:126:A:ASN:HD21	8	0.51
(1,1199)	1:124:A:ASN:HD21	1:126:A:ASN:HD21	12	0.51
(1,1160)	1:111:A:ASP:HB2	1:113:A:ALA:H	4	0.51
(1,1152)	1:110:A:VAL:HG21	1:114:A:ASP:HA	6	0.51
(1,1152)	1:110:A:VAL:HG22	1:114:A:ASP:HA	6	0.51
(1,1152)	1:110:A:VAL:HG23	1:114:A:ASP:HA	6	0.51
(1,1066)	1:248:B:VAL:HG21	1:249:B:LYS:HA	18	0.51
(1,1066)	1:248:B:VAL:HG22	1:249:B:LYS:HA	18	0.51
(1,1066)	1:248:B:VAL:HG23	1:249:B:LYS:HA	18	0.51
(1,1005)	1:234:B:GLY:HA3	1:235:B:TYR:H	14	0.51
(1,785)	1:152:A:ALA:H	1:153:A:PRO:HD3	2	0.51
(1,689)	1:134:A:GLY:HA3	1:135:A:TYR:H	11	0.51
(1,495)	1:258:B:ILE:H	1:258:B:ILE:HG12	16	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,261)	1:203:B:LYS:H	1:203:B:LYS:HG3	2	0.51
(1,243)	1:158:A:ILE:H	1:158:A:ILE:HG12	13	0.51
(1,174)	1:142:A:LYS:H	1:142:A:LYS:HG2	3	0.51
(1,2311)	1:158:A:ILE:HB	1:207:B:GLU:HG3	14	0.5
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB1	15	0.5
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB2	15	0.5
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB3	15	0.5
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB1	15	0.5
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB2	15	0.5
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB3	15	0.5
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB1	15	0.5
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB2	15	0.5
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB3	15	0.5
(1,2199)	1:145:A:ILE:HG21	1:257:B:VAL:HG11	2	0.5
(1,2199)	1:145:A:ILE:HG21	1:257:B:VAL:HG12	2	0.5
(1,2199)	1:145:A:ILE:HG21	1:257:B:VAL:HG13	2	0.5
(1,2199)	1:145:A:ILE:HG22	1:257:B:VAL:HG11	2	0.5
(1,2199)	1:145:A:ILE:HG22	1:257:B:VAL:HG12	2	0.5
(1,2199)	1:145:A:ILE:HG22	1:257:B:VAL:HG13	2	0.5
(1,2199)	1:145:A:ILE:HG23	1:257:B:VAL:HG11	2	0.5
(1,2199)	1:145:A:ILE:HG23	1:257:B:VAL:HG12	2	0.5
(1,2199)	1:145:A:ILE:HG23	1:257:B:VAL:HG13	2	0.5
(1,2105)	1:107:A:GLU:HG3	1:258:B:ILE:H	13	0.5
(1,2102)	1:107:A:GLU:HG3	1:258:B:ILE:HB	15	0.5
(1,1947)	1:218:B:TRP:HD1	1:242:B:LYS:HG3	11	0.5
(1,1620)	1:108:A:VAL:HG21	1:117:A:ARG:H	12	0.5
(1,1620)	1:108:A:VAL:HG22	1:117:A:ARG:H	12	0.5
(1,1620)	1:108:A:VAL:HG23	1:117:A:ARG:H	12	0.5
(1,1523)	1:248:B:VAL:HG11	1:251:B:ASN:HD21	3	0.5
(1,1523)	1:248:B:VAL:HG12	1:251:B:ASN:HD21	3	0.5
(1,1523)	1:248:B:VAL:HG13	1:251:B:ASN:HD21	3	0.5
(1,1523)	1:248:B:VAL:HG11	1:251:B:ASN:HD21	20	0.5
(1,1523)	1:248:B:VAL:HG12	1:251:B:ASN:HD21	20	0.5
(1,1523)	1:248:B:VAL:HG13	1:251:B:ASN:HD21	20	0.5
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG21	11	0.5
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG22	11	0.5
(1,1494)	1:245:B:ILE:HA	1:248:B:VAL:HG23	11	0.5
(1,1454)	1:239:B:GLN:HB2	1:241:B:ALA:H	2	0.5
(1,1454)	1:239:B:GLN:HB2	1:241:B:ALA:H	7	0.5
(1,1410)	1:224:B:ASN:H	1:226:B:ASN:HD21	13	0.5
(1,1405)	1:224:B:ASN:HD21	1:226:B:ASN:HD21	5	0.5
(1,1397)	1:222:B:HIS:H	1:225:B:GLY:HA3	4	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1350)	1:209:B:PHE:HE1	1:211:B:ASP:HB3	16	0.5
(1,1350)	1:209:B:PHE:HE2	1:211:B:ASP:HB3	16	0.5
(1,1317)	1:148:A:VAL:HG11	1:151:A:ASN:HD21	12	0.5
(1,1317)	1:148:A:VAL:HG12	1:151:A:ASN:HD21	12	0.5
(1,1317)	1:148:A:VAL:HG13	1:151:A:ASN:HD21	12	0.5
(1,1317)	1:148:A:VAL:HG11	1:151:A:ASN:HD21	13	0.5
(1,1317)	1:148:A:VAL:HG12	1:151:A:ASN:HD21	13	0.5
(1,1317)	1:148:A:VAL:HG13	1:151:A:ASN:HD21	13	0.5
(1,1199)	1:124:A:ASN:HD21	1:126:A:ASN:HD21	19	0.5
(1,1191)	1:122:A:HIS:H	1:125:A:GLY:HA3	19	0.5
(1,1160)	1:111:A:ASP:HB2	1:113:A:ALA:H	11	0.5
(1,1160)	1:111:A:ASP:HB2	1:113:A:ALA:H	16	0.5
(1,1160)	1:111:A:ASP:HB2	1:113:A:ALA:H	18	0.5
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB1	15	0.5
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB2	15	0.5
(1,1089)	1:251:B:ASN:HB3	1:252:B:ALA:HB3	15	0.5
(1,1066)	1:248:B:VAL:HG21	1:249:B:LYS:HA	6	0.5
(1,1066)	1:248:B:VAL:HG22	1:249:B:LYS:HA	6	0.5
(1,1066)	1:248:B:VAL:HG23	1:249:B:LYS:HA	6	0.5
(1,1066)	1:248:B:VAL:HG21	1:249:B:LYS:HA	12	0.5
(1,1066)	1:248:B:VAL:HG22	1:249:B:LYS:HA	12	0.5
(1,1066)	1:248:B:VAL:HG23	1:249:B:LYS:HA	12	0.5
(1,1066)	1:248:B:VAL:HG21	1:249:B:LYS:HA	19	0.5
(1,1066)	1:248:B:VAL:HG22	1:249:B:LYS:HA	19	0.5
(1,1066)	1:248:B:VAL:HG23	1:249:B:LYS:HA	19	0.5
(1,1005)	1:234:B:GLY:HA3	1:235:B:TYR:H	17	0.5
(1,750)	1:148:A:VAL:HG21	1:149:A:LYS:HA	13	0.5
(1,750)	1:148:A:VAL:HG22	1:149:A:LYS:HA	13	0.5
(1,750)	1:148:A:VAL:HG23	1:149:A:LYS:HA	13	0.5
(1,689)	1:134:A:GLY:HA3	1:135:A:TYR:H	17	0.5
(1,513)	1:103:A:LYS:HB2	1:104:A:ALA:H	7	0.5
(1,495)	1:258:B:ILE:H	1:258:B:ILE:HG12	19	0.5
(1,426)	1:242:B:LYS:H	1:242:B:LYS:HG2	7	0.5
(1,174)	1:142:A:LYS:H	1:142:A:LYS:HG2	1	0.5
(1,174)	1:142:A:LYS:H	1:142:A:LYS:HG2	13	0.5
(1,9)	1:103:A:LYS:H	1:103:A:LYS:HG3	19	0.5
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB1	4	0.49
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB2	4	0.49
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB3	4	0.49
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB1	4	0.49
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB2	4	0.49
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB3	4	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB1	4	0.49
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB2	4	0.49
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB3	4	0.49
(1,2105)	1:107:A:GLU:HG3	1:258:B:ILE:H	11	0.49
(1,2102)	1:107:A:GLU:HG3	1:258:B:ILE:HB	8	0.49
(1,1947)	1:218:B:TRP:HD1	1:242:B:LYS:HG3	13	0.49
(1,1897)	1:210:B:VAL:HG11	1:216:B:TYR:H	4	0.49
(1,1897)	1:210:B:VAL:HG12	1:216:B:TYR:H	4	0.49
(1,1897)	1:210:B:VAL:HG13	1:216:B:TYR:H	4	0.49
(1,1897)	1:210:B:VAL:HG11	1:216:B:TYR:H	20	0.49
(1,1897)	1:210:B:VAL:HG12	1:216:B:TYR:H	20	0.49
(1,1897)	1:210:B:VAL:HG13	1:216:B:TYR:H	20	0.49
(1,1862)	1:208:B:VAL:HG21	1:217:B:ARG:H	6	0.49
(1,1862)	1:208:B:VAL:HG22	1:217:B:ARG:H	6	0.49
(1,1862)	1:208:B:VAL:HG23	1:217:B:ARG:H	6	0.49
(1,1862)	1:208:B:VAL:HG21	1:217:B:ARG:H	8	0.49
(1,1862)	1:208:B:VAL:HG22	1:217:B:ARG:H	8	0.49
(1,1862)	1:208:B:VAL:HG23	1:217:B:ARG:H	8	0.49
(1,1861)	1:208:B:VAL:HG21	1:216:B:TYR:HB3	4	0.49
(1,1861)	1:208:B:VAL:HG22	1:216:B:TYR:HB3	4	0.49
(1,1861)	1:208:B:VAL:HG23	1:216:B:TYR:HB3	4	0.49
(1,1837)	1:207:B:GLU:HG2	1:221:B:VAL:HB	6	0.49
(1,1705)	1:118:A:TRP:HD1	1:142:A:LYS:HG3	16	0.49
(1,1523)	1:248:B:VAL:HG11	1:251:B:ASN:HD21	8	0.49
(1,1523)	1:248:B:VAL:HG12	1:251:B:ASN:HD21	8	0.49
(1,1523)	1:248:B:VAL:HG13	1:251:B:ASN:HD21	8	0.49
(1,1454)	1:239:B:GLN:HB2	1:241:B:ALA:H	4	0.49
(1,1454)	1:239:B:GLN:HB2	1:241:B:ALA:H	8	0.49
(1,1454)	1:239:B:GLN:HB2	1:241:B:ALA:H	12	0.49
(1,1397)	1:222:B:HIS:H	1:225:B:GLY:HA3	1	0.49
(1,1317)	1:148:A:VAL:HG11	1:151:A:ASN:HD21	14	0.49
(1,1317)	1:148:A:VAL:HG12	1:151:A:ASN:HD21	14	0.49
(1,1317)	1:148:A:VAL:HG13	1:151:A:ASN:HD21	14	0.49
(1,1248)	1:139:A:GLN:HB2	1:141:A:ALA:H	8	0.49
(1,1204)	1:124:A:ASN:H	1:126:A:ASN:HD21	3	0.49
(1,1199)	1:124:A:ASN:HD21	1:126:A:ASN:HD21	18	0.49
(1,1191)	1:122:A:HIS:H	1:125:A:GLY:HA3	3	0.49
(1,1191)	1:122:A:HIS:H	1:125:A:GLY:HA3	7	0.49
(1,1191)	1:122:A:HIS:H	1:125:A:GLY:HA3	14	0.49
(1,1160)	1:111:A:ASP:HB2	1:113:A:ALA:H	14	0.49
(1,1066)	1:248:B:VAL:HG21	1:249:B:LYS:HA	11	0.49
(1,1066)	1:248:B:VAL:HG22	1:249:B:LYS:HA	11	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1066)	1:248:B:VAL:HG23	1:249:B:LYS:HA	11	0.49
(1,1005)	1:234:B:GLY:HA3	1:235:B:TYR:H	7	0.49
(1,829)	1:203:B:LYS:HB2	1:204:B:ALA:H	5	0.49
(1,750)	1:148:A:VAL:HG21	1:149:A:LYS:HA	10	0.49
(1,750)	1:148:A:VAL:HG22	1:149:A:LYS:HA	10	0.49
(1,750)	1:148:A:VAL:HG23	1:149:A:LYS:HA	10	0.49
(1,750)	1:148:A:VAL:HG21	1:149:A:LYS:HA	20	0.49
(1,750)	1:148:A:VAL:HG22	1:149:A:LYS:HA	20	0.49
(1,750)	1:148:A:VAL:HG23	1:149:A:LYS:HA	20	0.49
(1,495)	1:258:B:ILE:H	1:258:B:ILE:HG12	5	0.49
(1,426)	1:242:B:LYS:H	1:242:B:LYS:HG2	2	0.49
(1,426)	1:242:B:LYS:H	1:242:B:LYS:HG2	4	0.49
(1,426)	1:242:B:LYS:H	1:242:B:LYS:HG2	6	0.49
(1,426)	1:242:B:LYS:H	1:242:B:LYS:HG2	14	0.49
(1,426)	1:242:B:LYS:H	1:242:B:LYS:HG2	15	0.49
(1,426)	1:242:B:LYS:H	1:242:B:LYS:HG2	17	0.49
(1,426)	1:242:B:LYS:H	1:242:B:LYS:HG2	20	0.49
(1,174)	1:142:A:LYS:H	1:142:A:LYS:HG2	4	0.49
(1,174)	1:142:A:LYS:H	1:142:A:LYS:HG2	15	0.49
(1,9)	1:103:A:LYS:H	1:103:A:LYS:HG3	8	0.49
(1,2326)	1:158:A:ILE:H	1:207:B:GLU:HG3	19	0.48
(1,2107)	1:108:A:VAL:HG21	1:260:B:ALA:H	14	0.48
(1,2107)	1:108:A:VAL:HG22	1:260:B:ALA:H	14	0.48
(1,2107)	1:108:A:VAL:HG23	1:260:B:ALA:H	14	0.48
(1,1947)	1:218:B:TRP:HD1	1:242:B:LYS:HG3	20	0.48
(1,1907)	1:215:B:LYS:HG2	1:235:B:TYR:H	4	0.48
(1,1897)	1:210:B:VAL:HG11	1:216:B:TYR:H	17	0.48
(1,1897)	1:210:B:VAL:HG12	1:216:B:TYR:H	17	0.48
(1,1897)	1:210:B:VAL:HG13	1:216:B:TYR:H	17	0.48
(1,1665)	1:115:A:LYS:HG2	1:135:A:TYR:H	6	0.48
(1,1619)	1:108:A:VAL:HG21	1:116:A:TYR:HB3	18	0.48
(1,1619)	1:108:A:VAL:HG22	1:116:A:TYR:HB3	18	0.48
(1,1619)	1:108:A:VAL:HG23	1:116:A:TYR:HB3	18	0.48
(1,1523)	1:248:B:VAL:HG11	1:251:B:ASN:HD21	2	0.48
(1,1523)	1:248:B:VAL:HG12	1:251:B:ASN:HD21	2	0.48
(1,1523)	1:248:B:VAL:HG13	1:251:B:ASN:HD21	2	0.48
(1,1523)	1:248:B:VAL:HG11	1:251:B:ASN:HD21	10	0.48
(1,1523)	1:248:B:VAL:HG12	1:251:B:ASN:HD21	10	0.48
(1,1523)	1:248:B:VAL:HG13	1:251:B:ASN:HD21	10	0.48
(1,1454)	1:239:B:GLN:HB2	1:241:B:ALA:H	15	0.48
(1,1410)	1:224:B:ASN:H	1:226:B:ASN:HD21	9	0.48
(1,1397)	1:222:B:HIS:H	1:225:B:GLY:HA3	5	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1366)	1:211:B:ASP:HB2	1:213:B:ALA:H	13	0.48
(1,1317)	1:148:A:VAL:HG11	1:151:A:ASN:HD21	9	0.48
(1,1317)	1:148:A:VAL:HG12	1:151:A:ASN:HD21	9	0.48
(1,1317)	1:148:A:VAL:HG13	1:151:A:ASN:HD21	9	0.48
(1,1317)	1:148:A:VAL:HG11	1:151:A:ASN:HD21	16	0.48
(1,1317)	1:148:A:VAL:HG12	1:151:A:ASN:HD21	16	0.48
(1,1317)	1:148:A:VAL:HG13	1:151:A:ASN:HD21	16	0.48
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG21	14	0.48
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG22	14	0.48
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG23	14	0.48
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG21	14	0.48
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG22	14	0.48
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG23	14	0.48
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG21	14	0.48
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG22	14	0.48
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG23	14	0.48
(1,1248)	1:139:A:GLN:HB2	1:141:A:ALA:H	7	0.48
(1,1248)	1:139:A:GLN:HB2	1:141:A:ALA:H	17	0.48
(1,1204)	1:124:A:ASN:H	1:126:A:ASN:HD21	12	0.48
(1,1199)	1:124:A:ASN:HD21	1:126:A:ASN:HD21	13	0.48
(1,1066)	1:248:B:VAL:HG21	1:249:B:LYS:HA	4	0.48
(1,1066)	1:248:B:VAL:HG22	1:249:B:LYS:HA	4	0.48
(1,1066)	1:248:B:VAL:HG23	1:249:B:LYS:HA	4	0.48
(1,1066)	1:248:B:VAL:HG21	1:249:B:LYS:HA	10	0.48
(1,1066)	1:248:B:VAL:HG22	1:249:B:LYS:HA	10	0.48
(1,1066)	1:248:B:VAL:HG23	1:249:B:LYS:HA	10	0.48
(1,1066)	1:248:B:VAL:HG21	1:249:B:LYS:HA	13	0.48
(1,1066)	1:248:B:VAL:HG22	1:249:B:LYS:HA	13	0.48
(1,1066)	1:248:B:VAL:HG23	1:249:B:LYS:HA	13	0.48
(1,1005)	1:234:B:GLY:HA3	1:235:B:TYR:H	15	0.48
(1,1005)	1:234:B:GLY:HA3	1:235:B:TYR:H	19	0.48
(1,750)	1:148:A:VAL:HG21	1:149:A:LYS:HA	2	0.48
(1,750)	1:148:A:VAL:HG22	1:149:A:LYS:HA	2	0.48
(1,750)	1:148:A:VAL:HG23	1:149:A:LYS:HA	2	0.48
(1,689)	1:134:A:GLY:HA3	1:135:A:TYR:H	16	0.48
(1,507)	1:102:A:ASN:HA	1:103:A:LYS:HG3	4	0.48
(1,426)	1:242:B:LYS:H	1:242:B:LYS:HG2	1	0.48
(1,426)	1:242:B:LYS:H	1:242:B:LYS:HG2	13	0.48
(1,261)	1:203:B:LYS:H	1:203:B:LYS:HG3	6	0.48
(1,243)	1:158:A:ILE:H	1:158:A:ILE:HG12	1	0.48
(1,174)	1:142:A:LYS:H	1:142:A:LYS:HG2	5	0.48
(1,2311)	1:158:A:ILE:HB	1:207:B:GLU:HG3	5	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2311)	1:158:A:ILE:HB	1:207:B:GLU:HG3	6	0.47
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG11	7	0.47
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG12	7	0.47
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG13	7	0.47
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG11	7	0.47
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG12	7	0.47
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG13	7	0.47
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG11	7	0.47
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG12	7	0.47
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG13	7	0.47
(1,2105)	1:107:A:GLU:HG3	1:258:B:ILE:H	6	0.47
(1,2102)	1:107:A:GLU:HG3	1:258:B:ILE:HB	3	0.47
(1,1907)	1:215:B:LYS:HG2	1:235:B:TYR:H	6	0.47
(1,1862)	1:208:B:VAL:HG21	1:217:B:ARG:H	17	0.47
(1,1862)	1:208:B:VAL:HG22	1:217:B:ARG:H	17	0.47
(1,1862)	1:208:B:VAL:HG23	1:217:B:ARG:H	17	0.47
(1,1705)	1:118:A:TRP:HD1	1:142:A:LYS:HG3	8	0.47
(1,1655)	1:110:A:VAL:HG11	1:116:A:TYR:H	2	0.47
(1,1655)	1:110:A:VAL:HG12	1:116:A:TYR:H	2	0.47
(1,1655)	1:110:A:VAL:HG13	1:116:A:TYR:H	2	0.47
(1,1620)	1:108:A:VAL:HG21	1:117:A:ARG:H	8	0.47
(1,1620)	1:108:A:VAL:HG22	1:117:A:ARG:H	8	0.47
(1,1620)	1:108:A:VAL:HG23	1:117:A:ARG:H	8	0.47
(1,1619)	1:108:A:VAL:HG21	1:116:A:TYR:HB3	16	0.47
(1,1619)	1:108:A:VAL:HG22	1:116:A:TYR:HB3	16	0.47
(1,1619)	1:108:A:VAL:HG23	1:116:A:TYR:HB3	16	0.47
(1,1410)	1:224:B:ASN:H	1:226:B:ASN:HD21	5	0.47
(1,1405)	1:224:B:ASN:HD21	1:226:B:ASN:HD21	11	0.47
(1,1397)	1:222:B:HIS:H	1:225:B:GLY:HA3	3	0.47
(1,1397)	1:222:B:HIS:H	1:225:B:GLY:HA3	7	0.47
(1,1397)	1:222:B:HIS:H	1:225:B:GLY:HA3	10	0.47
(1,1199)	1:124:A:ASN:HD21	1:126:A:ASN:HD21	4	0.47
(1,1199)	1:124:A:ASN:HD21	1:126:A:ASN:HD21	6	0.47
(1,1199)	1:124:A:ASN:HD21	1:126:A:ASN:HD21	9	0.47
(1,1191)	1:122:A:HIS:H	1:125:A:GLY:HA3	11	0.47
(1,1191)	1:122:A:HIS:H	1:125:A:GLY:HA3	17	0.47
(1,1066)	1:248:B:VAL:HG21	1:249:B:LYS:HA	1	0.47
(1,1066)	1:248:B:VAL:HG22	1:249:B:LYS:HA	1	0.47
(1,1066)	1:248:B:VAL:HG23	1:249:B:LYS:HA	1	0.47
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG21	9	0.47
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG22	9	0.47
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG23	9	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG21	9	0.47
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG22	9	0.47
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG23	9	0.47
(1,823)	1:202:B:ASN:HA	1:203:B:LYS:HG3	7	0.47
(1,765)	1:150:A:ARG:HB3	1:151:A:ASN:HB3	16	0.47
(1,750)	1:148:A:VAL:HG21	1:149:A:LYS:HA	11	0.47
(1,750)	1:148:A:VAL:HG22	1:149:A:LYS:HA	11	0.47
(1,750)	1:148:A:VAL:HG23	1:149:A:LYS:HA	11	0.47
(1,750)	1:148:A:VAL:HG21	1:149:A:LYS:HA	18	0.47
(1,750)	1:148:A:VAL:HG22	1:149:A:LYS:HA	18	0.47
(1,750)	1:148:A:VAL:HG23	1:149:A:LYS:HA	18	0.47
(1,689)	1:134:A:GLY:HA3	1:135:A:TYR:H	8	0.47
(1,689)	1:134:A:GLY:HA3	1:135:A:TYR:H	13	0.47
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG21	7	0.47
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG22	7	0.47
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG23	7	0.47
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG21	7	0.47
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG22	7	0.47
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG23	7	0.47
(1,426)	1:242:B:LYS:H	1:242:B:LYS:HG2	3	0.47
(1,426)	1:242:B:LYS:H	1:242:B:LYS:HG2	9	0.47
(1,426)	1:242:B:LYS:H	1:242:B:LYS:HG2	10	0.47
(1,426)	1:242:B:LYS:H	1:242:B:LYS:HG2	18	0.47
(1,261)	1:203:B:LYS:H	1:203:B:LYS:HG3	8	0.47
(1,174)	1:142:A:LYS:H	1:142:A:LYS:HG2	2	0.47
(1,174)	1:142:A:LYS:H	1:142:A:LYS:HG2	8	0.47
(1,174)	1:142:A:LYS:H	1:142:A:LYS:HG2	11	0.47
(1,174)	1:142:A:LYS:H	1:142:A:LYS:HG2	16	0.47
(1,174)	1:142:A:LYS:H	1:142:A:LYS:HG2	18	0.47
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG21	19	0.46
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG22	19	0.46
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG23	19	0.46
(1,2304)	1:157:A:VAL:HG21	1:242:B:LYS:HB2	9	0.46
(1,2304)	1:157:A:VAL:HG22	1:242:B:LYS:HB2	9	0.46
(1,2304)	1:157:A:VAL:HG23	1:242:B:LYS:HB2	9	0.46
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG11	11	0.46
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG12	11	0.46
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG13	11	0.46
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG11	11	0.46
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG12	11	0.46
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG13	11	0.46
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG11	11	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG12	11	0.46
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG13	11	0.46
(1,2107)	1:108:A:VAL:HG21	1:260:B:ALA:H	17	0.46
(1,2107)	1:108:A:VAL:HG22	1:260:B:ALA:H	17	0.46
(1,2107)	1:108:A:VAL:HG23	1:260:B:ALA:H	17	0.46
(1,1947)	1:218:B:TRP:HD1	1:242:B:LYS:HG3	4	0.46
(1,1862)	1:208:B:VAL:HG21	1:217:B:ARG:H	3	0.46
(1,1862)	1:208:B:VAL:HG22	1:217:B:ARG:H	3	0.46
(1,1862)	1:208:B:VAL:HG23	1:217:B:ARG:H	3	0.46
(1,1861)	1:208:B:VAL:HG21	1:216:B:TYR:HB3	14	0.46
(1,1861)	1:208:B:VAL:HG22	1:216:B:TYR:HB3	14	0.46
(1,1861)	1:208:B:VAL:HG23	1:216:B:TYR:HB3	14	0.46
(1,1665)	1:115:A:LYS:HG2	1:135:A:TYR:H	2	0.46
(1,1620)	1:108:A:VAL:HG21	1:117:A:ARG:H	17	0.46
(1,1620)	1:108:A:VAL:HG22	1:117:A:ARG:H	17	0.46
(1,1620)	1:108:A:VAL:HG23	1:117:A:ARG:H	17	0.46
(1,1523)	1:248:B:VAL:HG11	1:251:B:ASN:HD21	1	0.46
(1,1523)	1:248:B:VAL:HG12	1:251:B:ASN:HD21	1	0.46
(1,1523)	1:248:B:VAL:HG13	1:251:B:ASN:HD21	1	0.46
(1,1523)	1:248:B:VAL:HG11	1:251:B:ASN:HD21	6	0.46
(1,1523)	1:248:B:VAL:HG12	1:251:B:ASN:HD21	6	0.46
(1,1523)	1:248:B:VAL:HG13	1:251:B:ASN:HD21	6	0.46
(1,1523)	1:248:B:VAL:HG11	1:251:B:ASN:HD21	19	0.46
(1,1523)	1:248:B:VAL:HG12	1:251:B:ASN:HD21	19	0.46
(1,1523)	1:248:B:VAL:HG13	1:251:B:ASN:HD21	19	0.46
(1,1410)	1:224:B:ASN:H	1:226:B:ASN:HD21	15	0.46
(1,1397)	1:222:B:HIS:H	1:225:B:GLY:HA3	8	0.46
(1,1397)	1:222:B:HIS:H	1:225:B:GLY:HA3	18	0.46
(1,1383)	1:215:B:LYS:HB2	1:217:B:ARG:HG2	9	0.46
(1,1366)	1:211:B:ASP:HB2	1:213:B:ALA:H	1	0.46
(1,1366)	1:211:B:ASP:HB2	1:213:B:ALA:H	18	0.46
(1,1248)	1:139:A:GLN:HB2	1:141:A:ALA:H	5	0.46
(1,1248)	1:139:A:GLN:HB2	1:141:A:ALA:H	6	0.46
(1,1204)	1:124:A:ASN:H	1:126:A:ASN:HD21	20	0.46
(1,1199)	1:124:A:ASN:HD21	1:126:A:ASN:HD21	1	0.46
(1,1199)	1:124:A:ASN:HD21	1:126:A:ASN:HD21	16	0.46
(1,1191)	1:122:A:HIS:H	1:125:A:GLY:HA3	8	0.46
(1,1005)	1:234:B:GLY:HA3	1:235:B:TYR:H	2	0.46
(1,1005)	1:234:B:GLY:HA3	1:235:B:TYR:H	13	0.46
(1,1005)	1:234:B:GLY:HA3	1:235:B:TYR:H	18	0.46
(1,829)	1:203:B:LYS:HB2	1:204:B:ALA:H	19	0.46
(1,823)	1:202:B:ASN:HA	1:203:B:LYS:HG3	13	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,689)	1:134:A:GLY:HA3	1:135:A:TYR:H	15	0.46
(1,689)	1:134:A:GLY:HA3	1:135:A:TYR:H	19	0.46
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG21	5	0.46
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG22	5	0.46
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG23	5	0.46
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG21	5	0.46
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG22	5	0.46
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG23	5	0.46
(1,513)	1:103:A:LYS:HB2	1:104:A:ALA:H	5	0.46
(1,507)	1:102:A:ASN:HA	1:103:A:LYS:HG3	20	0.46
(1,426)	1:242:B:LYS:H	1:242:B:LYS:HG2	8	0.46
(1,426)	1:242:B:LYS:H	1:242:B:LYS:HG2	12	0.46
(1,261)	1:203:B:LYS:H	1:203:B:LYS:HG3	10	0.46
(1,261)	1:203:B:LYS:H	1:203:B:LYS:HG3	17	0.46
(1,174)	1:142:A:LYS:H	1:142:A:LYS:HG2	9	0.46
(1,174)	1:142:A:LYS:H	1:142:A:LYS:HG2	10	0.46
(1,174)	1:142:A:LYS:H	1:142:A:LYS:HG2	12	0.46
(1,174)	1:142:A:LYS:H	1:142:A:LYS:HG2	20	0.46
(1,9)	1:103:A:LYS:H	1:103:A:LYS:HG3	1	0.46
(1,2316)	1:158:A:ILE:HD11	1:207:B:GLU:HG3	2	0.45
(1,2316)	1:158:A:ILE:HD12	1:207:B:GLU:HG3	2	0.45
(1,2316)	1:158:A:ILE:HD13	1:207:B:GLU:HG3	2	0.45
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB1	6	0.45
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB2	6	0.45
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB3	6	0.45
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB1	6	0.45
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB2	6	0.45
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB3	6	0.45
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB1	6	0.45
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB2	6	0.45
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB3	6	0.45
(1,2192)	1:142:A:LYS:HB2	1:257:B:VAL:HG21	18	0.45
(1,2192)	1:142:A:LYS:HB2	1:257:B:VAL:HG22	18	0.45
(1,2192)	1:142:A:LYS:HB2	1:257:B:VAL:HG23	18	0.45
(1,1897)	1:210:B:VAL:HG11	1:216:B:TYR:H	19	0.45
(1,1897)	1:210:B:VAL:HG12	1:216:B:TYR:H	19	0.45
(1,1897)	1:210:B:VAL:HG13	1:216:B:TYR:H	19	0.45
(1,1862)	1:208:B:VAL:HG21	1:217:B:ARG:H	9	0.45
(1,1862)	1:208:B:VAL:HG22	1:217:B:ARG:H	9	0.45
(1,1862)	1:208:B:VAL:HG23	1:217:B:ARG:H	9	0.45
(1,1862)	1:208:B:VAL:HG21	1:217:B:ARG:H	15	0.45
(1,1862)	1:208:B:VAL:HG22	1:217:B:ARG:H	15	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1862)	1:208:B:VAL:HG23	1:217:B:ARG:H	15	0.45
(1,1861)	1:208:B:VAL:HG21	1:216:B:TYR:HB3	13	0.45
(1,1861)	1:208:B:VAL:HG22	1:216:B:TYR:HB3	13	0.45
(1,1861)	1:208:B:VAL:HG23	1:216:B:TYR:HB3	13	0.45
(1,1837)	1:207:B:GLU:HG2	1:221:B:VAL:HB	4	0.45
(1,1837)	1:207:B:GLU:HG2	1:221:B:VAL:HB	5	0.45
(1,1705)	1:118:A:TRP:HD1	1:142:A:LYS:HG3	20	0.45
(1,1523)	1:248:B:VAL:HG11	1:251:B:ASN:HD21	15	0.45
(1,1523)	1:248:B:VAL:HG12	1:251:B:ASN:HD21	15	0.45
(1,1523)	1:248:B:VAL:HG13	1:251:B:ASN:HD21	15	0.45
(1,1523)	1:248:B:VAL:HG11	1:251:B:ASN:HD21	16	0.45
(1,1523)	1:248:B:VAL:HG12	1:251:B:ASN:HD21	16	0.45
(1,1523)	1:248:B:VAL:HG13	1:251:B:ASN:HD21	16	0.45
(1,1515)	1:247:B:SER:HB3	1:249:B:LYS:H	20	0.45
(1,1454)	1:239:B:GLN:HB2	1:241:B:ALA:H	5	0.45
(1,1454)	1:239:B:GLN:HB2	1:241:B:ALA:H	18	0.45
(1,1410)	1:224:B:ASN:H	1:226:B:ASN:HD21	2	0.45
(1,1410)	1:224:B:ASN:H	1:226:B:ASN:HD21	18	0.45
(1,1405)	1:224:B:ASN:HD21	1:226:B:ASN:HD21	7	0.45
(1,1405)	1:224:B:ASN:HD21	1:226:B:ASN:HD21	14	0.45
(1,1397)	1:222:B:HIS:H	1:225:B:GLY:HA3	19	0.45
(1,1366)	1:211:B:ASP:HB2	1:213:B:ALA:H	5	0.45
(1,1366)	1:211:B:ASP:HB2	1:213:B:ALA:H	10	0.45
(1,1350)	1:209:B:PHE:HE1	1:211:B:ASP:HB3	10	0.45
(1,1350)	1:209:B:PHE:HE2	1:211:B:ASP:HB3	10	0.45
(1,1317)	1:148:A:VAL:HG11	1:151:A:ASN:HD21	10	0.45
(1,1317)	1:148:A:VAL:HG12	1:151:A:ASN:HD21	10	0.45
(1,1317)	1:148:A:VAL:HG13	1:151:A:ASN:HD21	10	0.45
(1,1248)	1:139:A:GLN:HB2	1:141:A:ALA:H	4	0.45
(1,1248)	1:139:A:GLN:HB2	1:141:A:ALA:H	19	0.45
(1,1204)	1:124:A:ASN:H	1:126:A:ASN:HD21	4	0.45
(1,1199)	1:124:A:ASN:HD21	1:126:A:ASN:HD21	2	0.45
(1,1191)	1:122:A:HIS:H	1:125:A:GLY:HA3	5	0.45
(1,1066)	1:248:B:VAL:HG21	1:249:B:LYS:HA	7	0.45
(1,1066)	1:248:B:VAL:HG22	1:249:B:LYS:HA	7	0.45
(1,1066)	1:248:B:VAL:HG23	1:249:B:LYS:HA	7	0.45
(1,1066)	1:248:B:VAL:HG21	1:249:B:LYS:HA	20	0.45
(1,1066)	1:248:B:VAL:HG22	1:249:B:LYS:HA	20	0.45
(1,1066)	1:248:B:VAL:HG23	1:249:B:LYS:HA	20	0.45
(1,1005)	1:234:B:GLY:HA3	1:235:B:TYR:H	8	0.45
(1,1005)	1:234:B:GLY:HA3	1:235:B:TYR:H	16	0.45
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG21	4	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG22	4	0.45
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG23	4	0.45
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG21	4	0.45
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG22	4	0.45
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG23	4	0.45
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG21	7	0.45
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG22	7	0.45
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG23	7	0.45
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG21	7	0.45
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG22	7	0.45
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG23	7	0.45
(1,765)	1:150:A:ARG:HB3	1:151:A:ASN:HB3	2	0.45
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG21	11	0.45
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG22	11	0.45
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG23	11	0.45
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG21	11	0.45
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG22	11	0.45
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG23	11	0.45
(1,426)	1:242:B:LYS:H	1:242:B:LYS:HG2	5	0.45
(1,426)	1:242:B:LYS:H	1:242:B:LYS:HG2	11	0.45
(1,261)	1:203:B:LYS:H	1:203:B:LYS:HG3	9	0.45
(1,261)	1:203:B:LYS:H	1:203:B:LYS:HG3	15	0.45
(1,261)	1:203:B:LYS:H	1:203:B:LYS:HG3	18	0.45
(1,243)	1:158:A:ILE:H	1:158:A:ILE:HG12	9	0.45
(1,174)	1:142:A:LYS:H	1:142:A:LYS:HG2	7	0.45
(1,174)	1:142:A:LYS:H	1:142:A:LYS:HG2	17	0.45
(1,2311)	1:158:A:ILE:HB	1:207:B:GLU:HG3	1	0.44
(1,2281)	1:156:A:ASP:HB2	1:205:B:HIS:HB3	5	0.44
(1,2281)	1:156:A:ASP:HB3	1:205:B:HIS:HB3	5	0.44
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB1	11	0.44
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB2	11	0.44
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB3	11	0.44
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB1	11	0.44
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB2	11	0.44
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB3	11	0.44
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB1	11	0.44
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB2	11	0.44
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB3	11	0.44
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG11	16	0.44
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG12	16	0.44
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG13	16	0.44
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG11	16	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG12	16	0.44
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG13	16	0.44
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG11	16	0.44
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG12	16	0.44
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG13	16	0.44
(1,1947)	1:218:B:TRP:HD1	1:242:B:LYS:HG3	18	0.44
(1,1907)	1:215:B:LYS:HG2	1:235:B:TYR:H	2	0.44
(1,1897)	1:210:B:VAL:HG11	1:216:B:TYR:H	9	0.44
(1,1897)	1:210:B:VAL:HG12	1:216:B:TYR:H	9	0.44
(1,1897)	1:210:B:VAL:HG13	1:216:B:TYR:H	9	0.44
(1,1862)	1:208:B:VAL:HG21	1:217:B:ARG:H	1	0.44
(1,1862)	1:208:B:VAL:HG22	1:217:B:ARG:H	1	0.44
(1,1862)	1:208:B:VAL:HG23	1:217:B:ARG:H	1	0.44
(1,1861)	1:208:B:VAL:HG21	1:216:B:TYR:HB3	10	0.44
(1,1861)	1:208:B:VAL:HG22	1:216:B:TYR:HB3	10	0.44
(1,1861)	1:208:B:VAL:HG23	1:216:B:TYR:HB3	10	0.44
(1,1523)	1:248:B:VAL:HG11	1:251:B:ASN:HD21	5	0.44
(1,1523)	1:248:B:VAL:HG12	1:251:B:ASN:HD21	5	0.44
(1,1523)	1:248:B:VAL:HG13	1:251:B:ASN:HD21	5	0.44
(1,1410)	1:224:B:ASN:H	1:226:B:ASN:HD21	17	0.44
(1,1405)	1:224:B:ASN:HD21	1:226:B:ASN:HD21	19	0.44
(1,1397)	1:222:B:HIS:H	1:225:B:GLY:HA3	16	0.44
(1,1366)	1:211:B:ASP:HB2	1:213:B:ALA:H	7	0.44
(1,1317)	1:148:A:VAL:HG11	1:151:A:ASN:HD21	1	0.44
(1,1317)	1:148:A:VAL:HG12	1:151:A:ASN:HD21	1	0.44
(1,1317)	1:148:A:VAL:HG13	1:151:A:ASN:HD21	1	0.44
(1,1317)	1:148:A:VAL:HG11	1:151:A:ASN:HD21	18	0.44
(1,1317)	1:148:A:VAL:HG12	1:151:A:ASN:HD21	18	0.44
(1,1317)	1:148:A:VAL:HG13	1:151:A:ASN:HD21	18	0.44
(1,1309)	1:147:A:SER:HB3	1:149:A:LYS:H	4	0.44
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG21	6	0.44
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG22	6	0.44
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG23	6	0.44
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG21	6	0.44
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG22	6	0.44
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG23	6	0.44
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG21	6	0.44
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG22	6	0.44
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG23	6	0.44
(1,1248)	1:139:A:GLN:HB2	1:141:A:ALA:H	13	0.44
(1,1204)	1:124:A:ASN:H	1:126:A:ASN:HD21	8	0.44
(1,1204)	1:124:A:ASN:H	1:126:A:ASN:HD21	15	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1199)	1:124:A:ASN:HD21	1:126:A:ASN:HD21	7	0.44
(1,1066)	1:248:B:VAL:HG21	1:249:B:LYS:HA	17	0.44
(1,1066)	1:248:B:VAL:HG22	1:249:B:LYS:HA	17	0.44
(1,1066)	1:248:B:VAL:HG23	1:249:B:LYS:HA	17	0.44
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG21	5	0.44
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG22	5	0.44
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG23	5	0.44
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG21	5	0.44
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG22	5	0.44
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG23	5	0.44
(1,829)	1:203:B:LYS:HB2	1:204:B:ALA:H	3	0.44
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG21	6	0.44
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG22	6	0.44
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG23	6	0.44
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG21	6	0.44
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG22	6	0.44
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG23	6	0.44
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG21	16	0.44
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG22	16	0.44
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG23	16	0.44
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG21	16	0.44
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG22	16	0.44
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG23	16	0.44
(1,254)	1:203:B:LYS:HA	1:203:B:LYS:HG3	12	0.44
(1,174)	1:142:A:LYS:H	1:142:A:LYS:HG2	6	0.44
(1,2281)	1:156:A:ASP:HB2	1:205:B:HIS:HB3	19	0.43
(1,2281)	1:156:A:ASP:HB3	1:205:B:HIS:HB3	19	0.43
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB1	17	0.43
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB2	17	0.43
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB3	17	0.43
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB1	17	0.43
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB2	17	0.43
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB3	17	0.43
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB1	17	0.43
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB2	17	0.43
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB3	17	0.43
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB1	20	0.43
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB2	20	0.43
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB3	20	0.43
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB1	20	0.43
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB2	20	0.43
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB3	20	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB1	20	0.43
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB2	20	0.43
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB3	20	0.43
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG11	2	0.43
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG12	2	0.43
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG13	2	0.43
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG11	2	0.43
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG12	2	0.43
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG13	2	0.43
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG11	2	0.43
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG12	2	0.43
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG13	2	0.43
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG11	10	0.43
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG12	10	0.43
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG13	10	0.43
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG11	10	0.43
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG12	10	0.43
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG13	10	0.43
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG11	10	0.43
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG12	10	0.43
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG13	10	0.43
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG11	12	0.43
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG12	12	0.43
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG13	12	0.43
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG11	12	0.43
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG12	12	0.43
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG13	12	0.43
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG11	12	0.43
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG12	12	0.43
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG13	12	0.43
(1,2107)	1:108:A:VAL:HG21	1:260:B:ALA:H	7	0.43
(1,2107)	1:108:A:VAL:HG22	1:260:B:ALA:H	7	0.43
(1,2107)	1:108:A:VAL:HG23	1:260:B:ALA:H	7	0.43
(1,2102)	1:107:A:GLU:HG3	1:258:B:ILE:HB	20	0.43
(1,2032)	1:248:B:VAL:HG21	1:253:B:PRO:HD2	12	0.43
(1,2032)	1:248:B:VAL:HG22	1:253:B:PRO:HD2	12	0.43
(1,2032)	1:248:B:VAL:HG23	1:253:B:PRO:HD2	12	0.43
(1,1947)	1:218:B:TRP:HD1	1:242:B:LYS:HG3	1	0.43
(1,1907)	1:215:B:LYS:HG2	1:235:B:TYR:H	19	0.43
(1,1705)	1:118:A:TRP:HD1	1:142:A:LYS:HG3	2	0.43
(1,1523)	1:248:B:VAL:HG11	1:251:B:ASN:HD21	17	0.43
(1,1523)	1:248:B:VAL:HG12	1:251:B:ASN:HD21	17	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1523)	1:248:B:VAL:HG13	1:251:B:ASN:HD21	17	0.43
(1,1515)	1:247:B:SER:HB3	1:249:B:LYS:H	12	0.43
(1,1454)	1:239:B:GLN:HB2	1:241:B:ALA:H	19	0.43
(1,1410)	1:224:B:ASN:H	1:226:B:ASN:HD21	10	0.43
(1,1405)	1:224:B:ASN:HD21	1:226:B:ASN:HD21	4	0.43
(1,1405)	1:224:B:ASN:HD21	1:226:B:ASN:HD21	17	0.43
(1,1317)	1:148:A:VAL:HG11	1:151:A:ASN:HD21	11	0.43
(1,1317)	1:148:A:VAL:HG12	1:151:A:ASN:HD21	11	0.43
(1,1317)	1:148:A:VAL:HG13	1:151:A:ASN:HD21	11	0.43
(1,1317)	1:148:A:VAL:HG11	1:151:A:ASN:HD21	19	0.43
(1,1317)	1:148:A:VAL:HG12	1:151:A:ASN:HD21	19	0.43
(1,1317)	1:148:A:VAL:HG13	1:151:A:ASN:HD21	19	0.43
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG21	15	0.43
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG22	15	0.43
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG23	15	0.43
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG21	15	0.43
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG22	15	0.43
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG23	15	0.43
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG21	15	0.43
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG22	15	0.43
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG23	15	0.43
(1,1199)	1:124:A:ASN:HD21	1:126:A:ASN:HD21	11	0.43
(1,1144)	1:109:A:PHE:HE1	1:111:A:ASP:HB3	2	0.43
(1,1144)	1:109:A:PHE:HE2	1:111:A:ASP:HB3	2	0.43
(1,1002)	1:233:B:GLU:HB2	1:234:B:GLY:H	5	0.43
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG21	6	0.43
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG22	6	0.43
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG23	6	0.43
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG21	6	0.43
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG22	6	0.43
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG23	6	0.43
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG21	18	0.43
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG22	18	0.43
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG23	18	0.43
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG21	18	0.43
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG22	18	0.43
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG23	18	0.43
(1,823)	1:202:B:ASN:HA	1:203:B:LYS:HG3	1	0.43
(1,823)	1:202:B:ASN:HA	1:203:B:LYS:HG3	12	0.43
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG21	12	0.43
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG22	12	0.43
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG23	12	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG21	12	0.43
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG22	12	0.43
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG23	12	0.43
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG21	14	0.43
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG22	14	0.43
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG23	14	0.43
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG21	14	0.43
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG22	14	0.43
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG23	14	0.43
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG21	17	0.43
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG22	17	0.43
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG23	17	0.43
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG21	17	0.43
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG22	17	0.43
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG23	17	0.43
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG21	19	0.43
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG22	19	0.43
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG23	19	0.43
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG21	19	0.43
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG22	19	0.43
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG23	19	0.43
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG21	20	0.43
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG22	20	0.43
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG23	20	0.43
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG21	20	0.43
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG22	20	0.43
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG23	20	0.43
(1,174)	1:142:A:LYS:H	1:142:A:LYS:HG2	14	0.43
(1,94)	1:124:A:ASN:HB2	1:124:A:ASN:HD22	4	0.43
(1,94)	1:124:A:ASN:HB2	1:124:A:ASN:HD22	13	0.43
(1,94)	1:124:A:ASN:HB2	1:124:A:ASN:HD22	18	0.43
(1,94)	1:124:A:ASN:HB2	1:124:A:ASN:HD22	20	0.43
(1,9)	1:103:A:LYS:H	1:103:A:LYS:HG3	3	0.43
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG21	5	0.42
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG22	5	0.42
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG23	5	0.42
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG21	10	0.42
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG22	10	0.42
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG23	10	0.42
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG21	16	0.42
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG22	16	0.42
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG23	16	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2321)	1:158:A:ILE:HG12	1:205:B:HIS:HD2	12	0.42
(1,2311)	1:158:A:ILE:HB	1:207:B:GLU:HG3	13	0.42
(1,2311)	1:158:A:ILE:HB	1:207:B:GLU:HG3	20	0.42
(1,2192)	1:142:A:LYS:HB2	1:257:B:VAL:HG21	14	0.42
(1,2192)	1:142:A:LYS:HB2	1:257:B:VAL:HG22	14	0.42
(1,2192)	1:142:A:LYS:HB2	1:257:B:VAL:HG23	14	0.42
(1,2189)	1:133:A:GLU:HG3	1:227:B:ILE:HG21	18	0.42
(1,2189)	1:133:A:GLU:HG3	1:227:B:ILE:HG22	18	0.42
(1,2189)	1:133:A:GLU:HG3	1:227:B:ILE:HG23	18	0.42
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG11	19	0.42
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG12	19	0.42
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG13	19	0.42
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG11	19	0.42
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG12	19	0.42
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG13	19	0.42
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG11	19	0.42
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG12	19	0.42
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG13	19	0.42
(1,2070)	1:105:A:HIS:HD2	1:258:B:ILE:HG12	12	0.42
(1,1947)	1:218:B:TRP:HD1	1:242:B:LYS:HG3	3	0.42
(1,1947)	1:218:B:TRP:HD1	1:242:B:LYS:HG3	5	0.42
(1,1907)	1:215:B:LYS:HG2	1:235:B:TYR:H	12	0.42
(1,1897)	1:210:B:VAL:HG11	1:216:B:TYR:H	6	0.42
(1,1897)	1:210:B:VAL:HG12	1:216:B:TYR:H	6	0.42
(1,1897)	1:210:B:VAL:HG13	1:216:B:TYR:H	6	0.42
(1,1862)	1:208:B:VAL:HG21	1:217:B:ARG:H	7	0.42
(1,1862)	1:208:B:VAL:HG22	1:217:B:ARG:H	7	0.42
(1,1862)	1:208:B:VAL:HG23	1:217:B:ARG:H	7	0.42
(1,1861)	1:208:B:VAL:HG21	1:216:B:TYR:HB3	11	0.42
(1,1861)	1:208:B:VAL:HG22	1:216:B:TYR:HB3	11	0.42
(1,1861)	1:208:B:VAL:HG23	1:216:B:TYR:HB3	11	0.42
(1,1790)	1:148:A:VAL:HG21	1:153:A:PRO:HD2	11	0.42
(1,1790)	1:148:A:VAL:HG22	1:153:A:PRO:HD2	11	0.42
(1,1790)	1:148:A:VAL:HG23	1:153:A:PRO:HD2	11	0.42
(1,1790)	1:148:A:VAL:HG21	1:153:A:PRO:HD2	12	0.42
(1,1790)	1:148:A:VAL:HG22	1:153:A:PRO:HD2	12	0.42
(1,1790)	1:148:A:VAL:HG23	1:153:A:PRO:HD2	12	0.42
(1,1655)	1:110:A:VAL:HG11	1:116:A:TYR:H	16	0.42
(1,1655)	1:110:A:VAL:HG12	1:116:A:TYR:H	16	0.42
(1,1655)	1:110:A:VAL:HG13	1:116:A:TYR:H	16	0.42
(1,1620)	1:108:A:VAL:HG21	1:117:A:ARG:H	3	0.42
(1,1620)	1:108:A:VAL:HG22	1:117:A:ARG:H	3	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1620)	1:108:A:VAL:HG23	1:117:A:ARG:H	3	0.42
(1,1619)	1:108:A:VAL:HG21	1:116:A:TYR:HB3	15	0.42
(1,1619)	1:108:A:VAL:HG22	1:116:A:TYR:HB3	15	0.42
(1,1619)	1:108:A:VAL:HG23	1:116:A:TYR:HB3	15	0.42
(1,1523)	1:248:B:VAL:HG11	1:251:B:ASN:HD21	14	0.42
(1,1523)	1:248:B:VAL:HG12	1:251:B:ASN:HD21	14	0.42
(1,1523)	1:248:B:VAL:HG13	1:251:B:ASN:HD21	14	0.42
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG21	7	0.42
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG22	7	0.42
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG23	7	0.42
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG21	7	0.42
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG22	7	0.42
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG23	7	0.42
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG21	7	0.42
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG22	7	0.42
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG23	7	0.42
(1,1454)	1:239:B:GLN:HB2	1:241:B:ALA:H	1	0.42
(1,1410)	1:224:B:ASN:H	1:226:B:ASN:HD21	8	0.42
(1,1405)	1:224:B:ASN:HD21	1:226:B:ASN:HD21	2	0.42
(1,1405)	1:224:B:ASN:HD21	1:226:B:ASN:HD21	15	0.42
(1,1405)	1:224:B:ASN:HD21	1:226:B:ASN:HD21	16	0.42
(1,1405)	1:224:B:ASN:HD21	1:226:B:ASN:HD21	20	0.42
(1,1383)	1:215:B:LYS:HB2	1:217:B:ARG:HG2	3	0.42
(1,1309)	1:147:A:SER:HB3	1:149:A:LYS:H	12	0.42
(1,1309)	1:147:A:SER:HB3	1:149:A:LYS:H	17	0.42
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG21	13	0.42
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG22	13	0.42
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG23	13	0.42
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG21	13	0.42
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG22	13	0.42
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG23	13	0.42
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG21	13	0.42
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG22	13	0.42
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG23	13	0.42
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG21	3	0.42
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG22	3	0.42
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG23	3	0.42
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG21	3	0.42
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG22	3	0.42
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG23	3	0.42
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG21	10	0.42
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG22	10	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG23	10	0.42
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG21	10	0.42
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG22	10	0.42
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG23	10	0.42
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG21	11	0.42
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG22	11	0.42
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG23	11	0.42
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG21	11	0.42
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG22	11	0.42
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG23	11	0.42
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG21	20	0.42
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG22	20	0.42
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG23	20	0.42
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG21	20	0.42
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG22	20	0.42
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG23	20	0.42
(1,815)	1:158:A:ILE:HG13	1:159:A:GLU:H	12	0.42
(1,765)	1:150:A:ARG:HB3	1:151:A:ASN:HB3	15	0.42
(1,750)	1:148:A:VAL:HG21	1:149:A:LYS:HA	6	0.42
(1,750)	1:148:A:VAL:HG22	1:149:A:LYS:HA	6	0.42
(1,750)	1:148:A:VAL:HG23	1:149:A:LYS:HA	6	0.42
(1,750)	1:148:A:VAL:HG21	1:149:A:LYS:HA	14	0.42
(1,750)	1:148:A:VAL:HG22	1:149:A:LYS:HA	14	0.42
(1,750)	1:148:A:VAL:HG23	1:149:A:LYS:HA	14	0.42
(1,689)	1:134:A:GLY:HA3	1:135:A:TYR:H	14	0.42
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG21	8	0.42
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG22	8	0.42
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG23	8	0.42
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG21	8	0.42
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG22	8	0.42
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG23	8	0.42
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG21	9	0.42
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG22	9	0.42
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG23	9	0.42
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG21	9	0.42
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG22	9	0.42
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG23	9	0.42
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG21	13	0.42
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG22	13	0.42
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG23	13	0.42
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG21	13	0.42
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG22	13	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG23	13	0.42
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG21	18	0.42
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG22	18	0.42
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG23	18	0.42
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG21	18	0.42
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG22	18	0.42
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG23	18	0.42
(1,346)	1:224:B:ASN:HB2	1:224:B:ASN:HD22	1	0.42
(1,346)	1:224:B:ASN:HB2	1:224:B:ASN:HD22	7	0.42
(1,346)	1:224:B:ASN:HB2	1:224:B:ASN:HD22	10	0.42
(1,346)	1:224:B:ASN:HB2	1:224:B:ASN:HD22	16	0.42
(1,346)	1:224:B:ASN:HB2	1:224:B:ASN:HD22	17	0.42
(1,346)	1:224:B:ASN:HB2	1:224:B:ASN:HD22	19	0.42
(1,265)	1:205:B:HIS:H	1:205:B:HIS:HB2	20	0.42
(1,94)	1:124:A:ASN:HB2	1:124:A:ASN:HD22	1	0.42
(1,94)	1:124:A:ASN:HB2	1:124:A:ASN:HD22	2	0.42
(1,94)	1:124:A:ASN:HB2	1:124:A:ASN:HD22	3	0.42
(1,94)	1:124:A:ASN:HB2	1:124:A:ASN:HD22	7	0.42
(1,94)	1:124:A:ASN:HB2	1:124:A:ASN:HD22	8	0.42
(1,94)	1:124:A:ASN:HB2	1:124:A:ASN:HD22	9	0.42
(1,94)	1:124:A:ASN:HB2	1:124:A:ASN:HD22	10	0.42
(1,94)	1:124:A:ASN:HB2	1:124:A:ASN:HD22	11	0.42
(1,94)	1:124:A:ASN:HB2	1:124:A:ASN:HD22	15	0.42
(1,94)	1:124:A:ASN:HB2	1:124:A:ASN:HD22	17	0.42
(1,9)	1:103:A:LYS:H	1:103:A:LYS:HG3	9	0.42
(1,2)	1:103:A:LYS:HA	1:103:A:LYS:HG3	20	0.42
(1,2032)	1:248:B:VAL:HG21	1:253:B:PRO:HD2	9	0.41
(1,2032)	1:248:B:VAL:HG22	1:253:B:PRO:HD2	9	0.41
(1,2032)	1:248:B:VAL:HG23	1:253:B:PRO:HD2	9	0.41
(1,2032)	1:248:B:VAL:HG21	1:253:B:PRO:HD2	20	0.41
(1,2032)	1:248:B:VAL:HG22	1:253:B:PRO:HD2	20	0.41
(1,2032)	1:248:B:VAL:HG23	1:253:B:PRO:HD2	20	0.41
(1,1897)	1:210:B:VAL:HG11	1:216:B:TYR:H	3	0.41
(1,1897)	1:210:B:VAL:HG12	1:216:B:TYR:H	3	0.41
(1,1897)	1:210:B:VAL:HG13	1:216:B:TYR:H	3	0.41
(1,1862)	1:208:B:VAL:HG21	1:217:B:ARG:H	13	0.41
(1,1862)	1:208:B:VAL:HG22	1:217:B:ARG:H	13	0.41
(1,1862)	1:208:B:VAL:HG23	1:217:B:ARG:H	13	0.41
(1,1655)	1:110:A:VAL:HG11	1:116:A:TYR:H	19	0.41
(1,1655)	1:110:A:VAL:HG12	1:116:A:TYR:H	19	0.41
(1,1655)	1:110:A:VAL:HG13	1:116:A:TYR:H	19	0.41
(1,1620)	1:108:A:VAL:HG21	1:117:A:ARG:H	15	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1620)	1:108:A:VAL:HG22	1:117:A:ARG:H	15	0.41
(1,1620)	1:108:A:VAL:HG23	1:117:A:ARG:H	15	0.41
(1,1515)	1:247:B:SER:HB3	1:249:B:LYS:H	7	0.41
(1,1515)	1:247:B:SER:HB3	1:249:B:LYS:H	16	0.41
(1,1410)	1:224:B:ASN:H	1:226:B:ASN:HD21	14	0.41
(1,1405)	1:224:B:ASN:HD21	1:226:B:ASN:HD21	13	0.41
(1,1397)	1:222:B:HIS:H	1:225:B:GLY:HA3	2	0.41
(1,1309)	1:147:A:SER:HB3	1:149:A:LYS:H	7	0.41
(1,1309)	1:147:A:SER:HB3	1:149:A:LYS:H	11	0.41
(1,1309)	1:147:A:SER:HB3	1:149:A:LYS:H	20	0.41
(1,1248)	1:139:A:GLN:HB2	1:141:A:ALA:H	1	0.41
(1,1160)	1:111:A:ASP:HB2	1:113:A:ALA:H	19	0.41
(1,1005)	1:234:B:GLY:HA3	1:235:B:TYR:H	12	0.41
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG21	12	0.41
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG22	12	0.41
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG23	12	0.41
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG21	12	0.41
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG22	12	0.41
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG23	12	0.41
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG21	17	0.41
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG22	17	0.41
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG23	17	0.41
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG21	17	0.41
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG22	17	0.41
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG23	17	0.41
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD1	10	0.41
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD2	10	0.41
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD1	10	0.41
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD2	10	0.41
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD1	10	0.41
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD2	10	0.41
(1,750)	1:148:A:VAL:HG21	1:149:A:LYS:HA	8	0.41
(1,750)	1:148:A:VAL:HG22	1:149:A:LYS:HA	8	0.41
(1,750)	1:148:A:VAL:HG23	1:149:A:LYS:HA	8	0.41
(1,513)	1:103:A:LYS:HB2	1:104:A:ALA:H	6	0.41
(1,513)	1:103:A:LYS:HB2	1:104:A:ALA:H	18	0.41
(1,513)	1:103:A:LYS:HB2	1:104:A:ALA:H	19	0.41
(1,348)	1:225:B:GLY:H	1:225:B:GLY:HA3	1	0.41
(1,348)	1:225:B:GLY:H	1:225:B:GLY:HA3	2	0.41
(1,348)	1:225:B:GLY:H	1:225:B:GLY:HA3	4	0.41
(1,348)	1:225:B:GLY:H	1:225:B:GLY:HA3	5	0.41
(1,348)	1:225:B:GLY:H	1:225:B:GLY:HA3	6	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,348)	1:225:B:GLY:H	1:225:B:GLY:HA3	7	0.41
(1,348)	1:225:B:GLY:H	1:225:B:GLY:HA3	8	0.41
(1,348)	1:225:B:GLY:H	1:225:B:GLY:HA3	9	0.41
(1,348)	1:225:B:GLY:H	1:225:B:GLY:HA3	10	0.41
(1,348)	1:225:B:GLY:H	1:225:B:GLY:HA3	12	0.41
(1,348)	1:225:B:GLY:H	1:225:B:GLY:HA3	14	0.41
(1,348)	1:225:B:GLY:H	1:225:B:GLY:HA3	15	0.41
(1,348)	1:225:B:GLY:H	1:225:B:GLY:HA3	16	0.41
(1,348)	1:225:B:GLY:H	1:225:B:GLY:HA3	17	0.41
(1,348)	1:225:B:GLY:H	1:225:B:GLY:HA3	19	0.41
(1,346)	1:224:B:ASN:HB2	1:224:B:ASN:HD22	3	0.41
(1,346)	1:224:B:ASN:HB2	1:224:B:ASN:HD22	4	0.41
(1,346)	1:224:B:ASN:HB2	1:224:B:ASN:HD22	5	0.41
(1,346)	1:224:B:ASN:HB2	1:224:B:ASN:HD22	6	0.41
(1,346)	1:224:B:ASN:HB2	1:224:B:ASN:HD22	8	0.41
(1,346)	1:224:B:ASN:HB2	1:224:B:ASN:HD22	9	0.41
(1,346)	1:224:B:ASN:HB2	1:224:B:ASN:HD22	12	0.41
(1,346)	1:224:B:ASN:HB2	1:224:B:ASN:HD22	13	0.41
(1,265)	1:205:B:HIS:H	1:205:B:HIS:HB2	18	0.41
(1,259)	1:203:B:LYS:HG2	1:203:B:LYS:HE2	9	0.41
(1,259)	1:203:B:LYS:HG2	1:203:B:LYS:HE3	9	0.41
(1,96)	1:125:A:GLY:H	1:125:A:GLY:HA3	2	0.41
(1,96)	1:125:A:GLY:H	1:125:A:GLY:HA3	3	0.41
(1,96)	1:125:A:GLY:H	1:125:A:GLY:HA3	4	0.41
(1,96)	1:125:A:GLY:H	1:125:A:GLY:HA3	5	0.41
(1,96)	1:125:A:GLY:H	1:125:A:GLY:HA3	7	0.41
(1,96)	1:125:A:GLY:H	1:125:A:GLY:HA3	8	0.41
(1,96)	1:125:A:GLY:H	1:125:A:GLY:HA3	9	0.41
(1,96)	1:125:A:GLY:H	1:125:A:GLY:HA3	11	0.41
(1,96)	1:125:A:GLY:H	1:125:A:GLY:HA3	12	0.41
(1,96)	1:125:A:GLY:H	1:125:A:GLY:HA3	13	0.41
(1,96)	1:125:A:GLY:H	1:125:A:GLY:HA3	15	0.41
(1,96)	1:125:A:GLY:H	1:125:A:GLY:HA3	17	0.41
(1,96)	1:125:A:GLY:H	1:125:A:GLY:HA3	18	0.41
(1,96)	1:125:A:GLY:H	1:125:A:GLY:HA3	19	0.41
(1,96)	1:125:A:GLY:H	1:125:A:GLY:HA3	20	0.41
(1,94)	1:124:A:ASN:HB2	1:124:A:ASN:HD22	5	0.41
(1,94)	1:124:A:ASN:HB2	1:124:A:ASN:HD22	6	0.41
(1,94)	1:124:A:ASN:HB2	1:124:A:ASN:HD22	12	0.41
(1,94)	1:124:A:ASN:HB2	1:124:A:ASN:HD22	16	0.41
(1,94)	1:124:A:ASN:HB2	1:124:A:ASN:HD22	19	0.41
(1,13)	1:105:A:HIS:H	1:105:A:HIS:HB2	1	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13)	1:105:A:HIS:H	1:105:A:HIS:HB2	9	0.41
(1,13)	1:105:A:HIS:H	1:105:A:HIS:HB2	10	0.41
(1,13)	1:105:A:HIS:H	1:105:A:HIS:HB2	16	0.41
(1,13)	1:105:A:HIS:H	1:105:A:HIS:HB2	20	0.41
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG21	3	0.4
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG22	3	0.4
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG23	3	0.4
(1,2311)	1:158:A:ILE:HB	1:207:B:GLU:HG3	18	0.4
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB1	10	0.4
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB2	10	0.4
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB3	10	0.4
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB1	10	0.4
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB2	10	0.4
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB3	10	0.4
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB1	10	0.4
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB2	10	0.4
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB3	10	0.4
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB1	13	0.4
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB2	13	0.4
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB3	13	0.4
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB1	13	0.4
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB2	13	0.4
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB3	13	0.4
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB1	13	0.4
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB2	13	0.4
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB3	13	0.4
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG11	13	0.4
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG12	13	0.4
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG13	13	0.4
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG11	13	0.4
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG12	13	0.4
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG13	13	0.4
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG11	13	0.4
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG12	13	0.4
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG13	13	0.4
(1,2107)	1:108:A:VAL:HG21	1:260:B:ALA:H	18	0.4
(1,2107)	1:108:A:VAL:HG22	1:260:B:ALA:H	18	0.4
(1,2107)	1:108:A:VAL:HG23	1:260:B:ALA:H	18	0.4
(1,2107)	1:108:A:VAL:HG21	1:260:B:ALA:H	19	0.4
(1,2107)	1:108:A:VAL:HG22	1:260:B:ALA:H	19	0.4
(1,2107)	1:108:A:VAL:HG23	1:260:B:ALA:H	19	0.4
(1,2070)	1:105:A:HIS:HD2	1:258:B:ILE:HG12	2	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2070)	1:105:A:HIS:HD2	1:258:B:ILE:HG12	3	0.4
(1,2070)	1:105:A:HIS:HD2	1:258:B:ILE:HG12	7	0.4
(1,2064)	1:105:A:HIS:HB3	1:256:B:ASP:HB2	19	0.4
(1,2064)	1:105:A:HIS:HB3	1:256:B:ASP:HB3	19	0.4
(1,2032)	1:248:B:VAL:HG21	1:253:B:PRO:HD2	10	0.4
(1,2032)	1:248:B:VAL:HG22	1:253:B:PRO:HD2	10	0.4
(1,2032)	1:248:B:VAL:HG23	1:253:B:PRO:HD2	10	0.4
(1,2032)	1:248:B:VAL:HG21	1:253:B:PRO:HD2	19	0.4
(1,2032)	1:248:B:VAL:HG22	1:253:B:PRO:HD2	19	0.4
(1,2032)	1:248:B:VAL:HG23	1:253:B:PRO:HD2	19	0.4
(1,2010)	1:221:B:VAL:HG11	1:226:B:ASN:HD22	20	0.4
(1,2010)	1:221:B:VAL:HG12	1:226:B:ASN:HD22	20	0.4
(1,2010)	1:221:B:VAL:HG13	1:226:B:ASN:HD22	20	0.4
(1,2010)	1:221:B:VAL:HG21	1:226:B:ASN:HD22	20	0.4
(1,2010)	1:221:B:VAL:HG22	1:226:B:ASN:HD22	20	0.4
(1,2010)	1:221:B:VAL:HG23	1:226:B:ASN:HD22	20	0.4
(1,1947)	1:218:B:TRP:HD1	1:242:B:LYS:HG3	10	0.4
(1,1907)	1:215:B:LYS:HG2	1:235:B:TYR:H	9	0.4
(1,1897)	1:210:B:VAL:HG11	1:216:B:TYR:H	2	0.4
(1,1897)	1:210:B:VAL:HG12	1:216:B:TYR:H	2	0.4
(1,1897)	1:210:B:VAL:HG13	1:216:B:TYR:H	2	0.4
(1,1861)	1:208:B:VAL:HG21	1:216:B:TYR:HB3	16	0.4
(1,1861)	1:208:B:VAL:HG22	1:216:B:TYR:HB3	16	0.4
(1,1861)	1:208:B:VAL:HG23	1:216:B:TYR:HB3	16	0.4
(1,1790)	1:148:A:VAL:HG21	1:153:A:PRO:HD2	15	0.4
(1,1790)	1:148:A:VAL:HG22	1:153:A:PRO:HD2	15	0.4
(1,1790)	1:148:A:VAL:HG23	1:153:A:PRO:HD2	15	0.4
(1,1620)	1:108:A:VAL:HG21	1:117:A:ARG:H	1	0.4
(1,1620)	1:108:A:VAL:HG22	1:117:A:ARG:H	1	0.4
(1,1620)	1:108:A:VAL:HG23	1:117:A:ARG:H	1	0.4
(1,1515)	1:247:B:SER:HB3	1:249:B:LYS:H	10	0.4
(1,1515)	1:247:B:SER:HB3	1:249:B:LYS:H	11	0.4
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG21	16	0.4
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG22	16	0.4
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG23	16	0.4
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG21	16	0.4
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG22	16	0.4
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG23	16	0.4
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG21	16	0.4
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG22	16	0.4
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG23	16	0.4
(1,1454)	1:239:B:GLN:HB2	1:241:B:ALA:H	20	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1383)	1:215:B:LYS:HB2	1:217:B:ARG:HG2	12	0.4
(1,1309)	1:147:A:SER:HB3	1:149:A:LYS:H	6	0.4
(1,1309)	1:147:A:SER:HB3	1:149:A:LYS:H	13	0.4
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG21	19	0.4
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG22	19	0.4
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG23	19	0.4
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG21	19	0.4
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG22	19	0.4
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG23	19	0.4
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG21	19	0.4
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG22	19	0.4
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG23	19	0.4
(1,1248)	1:139:A:GLN:HB2	1:141:A:ALA:H	12	0.4
(1,1191)	1:122:A:HIS:H	1:125:A:GLY:HA3	16	0.4
(1,1131)	1:258:B:ILE:HG13	1:259:B:GLU:H	13	0.4
(1,829)	1:203:B:LYS:HB2	1:204:B:ALA:H	6	0.4
(1,829)	1:203:B:LYS:HB2	1:204:B:ALA:H	9	0.4
(1,815)	1:158:A:ILE:HG13	1:159:A:GLU:H	2	0.4
(1,815)	1:158:A:ILE:HG13	1:159:A:GLU:H	14	0.4
(1,750)	1:148:A:VAL:HG21	1:149:A:LYS:HA	4	0.4
(1,750)	1:148:A:VAL:HG22	1:149:A:LYS:HA	4	0.4
(1,750)	1:148:A:VAL:HG23	1:149:A:LYS:HA	4	0.4
(1,664)	1:128:A:LEU:HD11	1:129:A:ALA:H	12	0.4
(1,664)	1:128:A:LEU:HD12	1:129:A:ALA:H	12	0.4
(1,664)	1:128:A:LEU:HD13	1:129:A:ALA:H	12	0.4
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG21	4	0.4
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG22	4	0.4
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG23	4	0.4
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG21	4	0.4
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG22	4	0.4
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG23	4	0.4
(1,513)	1:103:A:LYS:HB2	1:104:A:ALA:H	4	0.4
(1,426)	1:242:B:LYS:H	1:242:B:LYS:HG2	19	0.4
(1,348)	1:225:B:GLY:H	1:225:B:GLY:HA3	3	0.4
(1,348)	1:225:B:GLY:H	1:225:B:GLY:HA3	11	0.4
(1,348)	1:225:B:GLY:H	1:225:B:GLY:HA3	13	0.4
(1,348)	1:225:B:GLY:H	1:225:B:GLY:HA3	20	0.4
(1,346)	1:224:B:ASN:HB2	1:224:B:ASN:HD22	11	0.4
(1,346)	1:224:B:ASN:HB2	1:224:B:ASN:HD22	14	0.4
(1,346)	1:224:B:ASN:HB2	1:224:B:ASN:HD22	20	0.4
(1,265)	1:205:B:HIS:H	1:205:B:HIS:HB2	1	0.4
(1,265)	1:205:B:HIS:H	1:205:B:HIS:HB2	7	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,265)	1:205:B:HIS:H	1:205:B:HIS:HB2	8	0.4
(1,265)	1:205:B:HIS:H	1:205:B:HIS:HB2	14	0.4
(1,265)	1:205:B:HIS:H	1:205:B:HIS:HB2	16	0.4
(1,256)	1:203:B:LYS:HB2	1:203:B:LYS:HE2	17	0.4
(1,256)	1:203:B:LYS:HB2	1:203:B:LYS:HE3	17	0.4
(1,254)	1:203:B:LYS:HA	1:203:B:LYS:HG3	1	0.4
(1,254)	1:203:B:LYS:HA	1:203:B:LYS:HG3	13	0.4
(1,96)	1:125:A:GLY:H	1:125:A:GLY:HA3	1	0.4
(1,96)	1:125:A:GLY:H	1:125:A:GLY:HA3	6	0.4
(1,96)	1:125:A:GLY:H	1:125:A:GLY:HA3	10	0.4
(1,96)	1:125:A:GLY:H	1:125:A:GLY:HA3	14	0.4
(1,96)	1:125:A:GLY:H	1:125:A:GLY:HA3	16	0.4
(1,94)	1:124:A:ASN:HB2	1:124:A:ASN:HD22	14	0.4
(1,13)	1:105:A:HIS:H	1:105:A:HIS:HB2	4	0.4
(1,13)	1:105:A:HIS:H	1:105:A:HIS:HB2	12	0.4
(1,13)	1:105:A:HIS:H	1:105:A:HIS:HB2	15	0.4
(1,13)	1:105:A:HIS:H	1:105:A:HIS:HB2	17	0.4
(1,13)	1:105:A:HIS:H	1:105:A:HIS:HB2	18	0.4
(1,9)	1:103:A:LYS:H	1:103:A:LYS:HG3	2	0.4
(1,7)	1:103:A:LYS:HG2	1:103:A:LYS:HE2	9	0.4
(1,7)	1:103:A:LYS:HG2	1:103:A:LYS:HE3	9	0.4
(1,2)	1:103:A:LYS:HA	1:103:A:LYS:HG3	3	0.4
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG21	4	0.39
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG22	4	0.39
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG23	4	0.39
(1,2321)	1:158:A:ILE:HG12	1:205:B:HIS:HD2	3	0.39
(1,2321)	1:158:A:ILE:HG12	1:205:B:HIS:HD2	14	0.39
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB1	19	0.39
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB2	19	0.39
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB3	19	0.39
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB1	19	0.39
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB2	19	0.39
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB3	19	0.39
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB1	19	0.39
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB2	19	0.39
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB3	19	0.39
(1,2102)	1:107:A:GLU:HG3	1:258:B:ILE:HB	14	0.39
(1,2070)	1:105:A:HIS:HD2	1:258:B:ILE:HG12	13	0.39
(1,1947)	1:218:B:TRP:HD1	1:242:B:LYS:HG3	7	0.39
(1,1705)	1:118:A:TRP:HD1	1:142:A:LYS:HG3	18	0.39
(1,1523)	1:248:B:VAL:HG11	1:251:B:ASN:HD21	18	0.39
(1,1523)	1:248:B:VAL:HG12	1:251:B:ASN:HD21	18	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1523)	1:248:B:VAL:HG13	1:251:B:ASN:HD21	18	0.39
(1,1515)	1:247:B:SER:HB3	1:249:B:LYS:H	17	0.39
(1,1515)	1:247:B:SER:HB3	1:249:B:LYS:H	19	0.39
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG21	17	0.39
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG22	17	0.39
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG23	17	0.39
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG21	17	0.39
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG22	17	0.39
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG23	17	0.39
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG21	17	0.39
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG22	17	0.39
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG23	17	0.39
(1,1397)	1:222:B:HIS:H	1:225:B:GLY:HA3	14	0.39
(1,1317)	1:148:A:VAL:HG11	1:151:A:ASN:HD21	8	0.39
(1,1317)	1:148:A:VAL:HG12	1:151:A:ASN:HD21	8	0.39
(1,1317)	1:148:A:VAL:HG13	1:151:A:ASN:HD21	8	0.39
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG21	11	0.39
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG22	11	0.39
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG23	11	0.39
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG21	11	0.39
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG22	11	0.39
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG23	11	0.39
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG21	11	0.39
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG22	11	0.39
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG23	11	0.39
(1,1199)	1:124:A:ASN:HD21	1:126:A:ASN:HD21	14	0.39
(1,1177)	1:115:A:LYS:HB2	1:117:A:ARG:HG2	12	0.39
(1,1131)	1:258:B:ILE:HG13	1:259:B:GLU:H	3	0.39
(1,1131)	1:258:B:ILE:HG13	1:259:B:GLU:H	17	0.39
(1,980)	1:228:B:LEU:HD11	1:229:B:ALA:H	16	0.39
(1,980)	1:228:B:LEU:HD12	1:229:B:ALA:H	16	0.39
(1,980)	1:228:B:LEU:HD13	1:229:B:ALA:H	16	0.39
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG21	1	0.39
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG22	1	0.39
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG23	1	0.39
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG21	1	0.39
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG22	1	0.39
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG23	1	0.39
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG21	16	0.39
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG22	16	0.39
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG23	16	0.39
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG21	16	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG22	16	0.39
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG23	16	0.39
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG21	19	0.39
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG22	19	0.39
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG23	19	0.39
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG21	19	0.39
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG22	19	0.39
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG23	19	0.39
(1,829)	1:203:B:LYS:HB2	1:204:B:ALA:H	7	0.39
(1,815)	1:158:A:ILE:HG13	1:159:A:GLU:H	6	0.39
(1,815)	1:158:A:ILE:HG13	1:159:A:GLU:H	9	0.39
(1,815)	1:158:A:ILE:HG13	1:159:A:GLU:H	15	0.39
(1,815)	1:158:A:ILE:HG13	1:159:A:GLU:H	20	0.39
(1,664)	1:128:A:LEU:HD11	1:129:A:ALA:H	17	0.39
(1,664)	1:128:A:LEU:HD12	1:129:A:ALA:H	17	0.39
(1,664)	1:128:A:LEU:HD13	1:129:A:ALA:H	17	0.39
(1,348)	1:225:B:GLY:H	1:225:B:GLY:HA3	18	0.39
(1,346)	1:224:B:ASN:HB2	1:224:B:ASN:HD22	2	0.39
(1,346)	1:224:B:ASN:HB2	1:224:B:ASN:HD22	15	0.39
(1,265)	1:205:B:HIS:H	1:205:B:HIS:HB2	4	0.39
(1,265)	1:205:B:HIS:H	1:205:B:HIS:HB2	11	0.39
(1,265)	1:205:B:HIS:H	1:205:B:HIS:HB2	12	0.39
(1,265)	1:205:B:HIS:H	1:205:B:HIS:HB2	19	0.39
(1,261)	1:203:B:LYS:H	1:203:B:LYS:HG3	4	0.39
(1,256)	1:203:B:LYS:HB2	1:203:B:LYS:HE2	19	0.39
(1,256)	1:203:B:LYS:HB2	1:203:B:LYS:HE3	19	0.39
(1,256)	1:203:B:LYS:HB2	1:203:B:LYS:HE2	20	0.39
(1,256)	1:203:B:LYS:HB2	1:203:B:LYS:HE3	20	0.39
(1,254)	1:203:B:LYS:HA	1:203:B:LYS:HG3	4	0.39
(1,254)	1:203:B:LYS:HA	1:203:B:LYS:HG3	15	0.39
(1,13)	1:105:A:HIS:H	1:105:A:HIS:HB2	3	0.39
(1,13)	1:105:A:HIS:H	1:105:A:HIS:HB2	6	0.39
(1,13)	1:105:A:HIS:H	1:105:A:HIS:HB2	11	0.39
(1,13)	1:105:A:HIS:H	1:105:A:HIS:HB2	13	0.39
(1,13)	1:105:A:HIS:H	1:105:A:HIS:HB2	14	0.39
(1,9)	1:103:A:LYS:H	1:103:A:LYS:HG3	6	0.39
(1,9)	1:103:A:LYS:H	1:103:A:LYS:HG3	16	0.39
(1,4)	1:103:A:LYS:HB2	1:103:A:LYS:HE2	1	0.39
(1,4)	1:103:A:LYS:HB2	1:103:A:LYS:HE3	1	0.39
(1,4)	1:103:A:LYS:HB2	1:103:A:LYS:HE2	5	0.39
(1,4)	1:103:A:LYS:HB2	1:103:A:LYS:HE3	5	0.39
(1,2)	1:103:A:LYS:HA	1:103:A:LYS:HG3	4	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2)	1:103:A:LYS:HA	1:103:A:LYS:HG3	8	0.39
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG21	7	0.38
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG22	7	0.38
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG23	7	0.38
(1,2321)	1:158:A:ILE:HG12	1:205:B:HIS:HD2	1	0.38
(1,2321)	1:158:A:ILE:HG12	1:205:B:HIS:HD2	11	0.38
(1,2321)	1:158:A:ILE:HG12	1:205:B:HIS:HD2	16	0.38
(1,2321)	1:158:A:ILE:HG12	1:205:B:HIS:HD2	18	0.38
(1,2304)	1:157:A:VAL:HG21	1:242:B:LYS:HB2	5	0.38
(1,2304)	1:157:A:VAL:HG22	1:242:B:LYS:HB2	5	0.38
(1,2304)	1:157:A:VAL:HG23	1:242:B:LYS:HB2	5	0.38
(1,2281)	1:156:A:ASP:HB2	1:205:B:HIS:HB3	15	0.38
(1,2281)	1:156:A:ASP:HB3	1:205:B:HIS:HB3	15	0.38
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG11	17	0.38
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG12	17	0.38
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG13	17	0.38
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG11	17	0.38
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG12	17	0.38
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG13	17	0.38
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG11	17	0.38
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG12	17	0.38
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG13	17	0.38
(1,2107)	1:108:A:VAL:HG21	1:260:B:ALA:H	9	0.38
(1,2107)	1:108:A:VAL:HG22	1:260:B:ALA:H	9	0.38
(1,2107)	1:108:A:VAL:HG23	1:260:B:ALA:H	9	0.38
(1,2070)	1:105:A:HIS:HD2	1:258:B:ILE:HG12	9	0.38
(1,2070)	1:105:A:HIS:HD2	1:258:B:ILE:HG12	20	0.38
(1,1897)	1:210:B:VAL:HG11	1:216:B:TYR:H	13	0.38
(1,1897)	1:210:B:VAL:HG12	1:216:B:TYR:H	13	0.38
(1,1897)	1:210:B:VAL:HG13	1:216:B:TYR:H	13	0.38
(1,1862)	1:208:B:VAL:HG21	1:217:B:ARG:H	14	0.38
(1,1862)	1:208:B:VAL:HG22	1:217:B:ARG:H	14	0.38
(1,1862)	1:208:B:VAL:HG23	1:217:B:ARG:H	14	0.38
(1,1790)	1:148:A:VAL:HG21	1:153:A:PRO:HD2	9	0.38
(1,1790)	1:148:A:VAL:HG22	1:153:A:PRO:HD2	9	0.38
(1,1790)	1:148:A:VAL:HG23	1:153:A:PRO:HD2	9	0.38
(1,1705)	1:118:A:TRP:HD1	1:142:A:LYS:HG3	3	0.38
(1,1655)	1:110:A:VAL:HG11	1:116:A:TYR:H	15	0.38
(1,1655)	1:110:A:VAL:HG12	1:116:A:TYR:H	15	0.38
(1,1655)	1:110:A:VAL:HG13	1:116:A:TYR:H	15	0.38
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG21	6	0.38
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG22	6	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG23	6	0.38
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG21	6	0.38
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG22	6	0.38
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG23	6	0.38
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG21	6	0.38
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG22	6	0.38
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG23	6	0.38
(1,1409)	1:224:B:ASN:HD22	1:228:B:LEU:HD21	2	0.38
(1,1409)	1:224:B:ASN:HD22	1:228:B:LEU:HD22	2	0.38
(1,1409)	1:224:B:ASN:HD22	1:228:B:LEU:HD23	2	0.38
(1,1405)	1:224:B:ASN:HD21	1:226:B:ASN:HD21	8	0.38
(1,1405)	1:224:B:ASN:HD21	1:226:B:ASN:HD21	10	0.38
(1,1397)	1:222:B:HIS:H	1:225:B:GLY:HA3	15	0.38
(1,1309)	1:147:A:SER:HB3	1:149:A:LYS:H	10	0.38
(1,1309)	1:147:A:SER:HB3	1:149:A:LYS:H	16	0.38
(1,1199)	1:124:A:ASN:HD21	1:126:A:ASN:HD21	20	0.38
(1,1131)	1:258:B:ILE:HG13	1:259:B:GLU:H	4	0.38
(1,1131)	1:258:B:ILE:HG13	1:259:B:GLU:H	7	0.38
(1,1131)	1:258:B:ILE:HG13	1:259:B:GLU:H	12	0.38
(1,1131)	1:258:B:ILE:HG13	1:259:B:GLU:H	20	0.38
(1,1005)	1:234:B:GLY:HA3	1:235:B:TYR:H	1	0.38
(1,980)	1:228:B:LEU:HD11	1:229:B:ALA:H	9	0.38
(1,980)	1:228:B:LEU:HD12	1:229:B:ALA:H	9	0.38
(1,980)	1:228:B:LEU:HD13	1:229:B:ALA:H	9	0.38
(1,980)	1:228:B:LEU:HD11	1:229:B:ALA:H	11	0.38
(1,980)	1:228:B:LEU:HD12	1:229:B:ALA:H	11	0.38
(1,980)	1:228:B:LEU:HD13	1:229:B:ALA:H	11	0.38
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG21	14	0.38
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG22	14	0.38
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG23	14	0.38
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG21	14	0.38
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG22	14	0.38
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG23	14	0.38
(1,829)	1:203:B:LYS:HB2	1:204:B:ALA:H	2	0.38
(1,829)	1:203:B:LYS:HB2	1:204:B:ALA:H	8	0.38
(1,829)	1:203:B:LYS:HB2	1:204:B:ALA:H	17	0.38
(1,815)	1:158:A:ILE:HG13	1:159:A:GLU:H	1	0.38
(1,815)	1:158:A:ILE:HG13	1:159:A:GLU:H	11	0.38
(1,815)	1:158:A:ILE:HG13	1:159:A:GLU:H	13	0.38
(1,815)	1:158:A:ILE:HG13	1:159:A:GLU:H	16	0.38
(1,689)	1:134:A:GLY:HA3	1:135:A:TYR:H	9	0.38
(1,664)	1:128:A:LEU:HD11	1:129:A:ALA:H	10	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,664)	1:128:A:LEU:HD12	1:129:A:ALA:H	10	0.38
(1,664)	1:128:A:LEU:HD13	1:129:A:ALA:H	10	0.38
(1,664)	1:128:A:LEU:HD11	1:129:A:ALA:H	16	0.38
(1,664)	1:128:A:LEU:HD12	1:129:A:ALA:H	16	0.38
(1,664)	1:128:A:LEU:HD13	1:129:A:ALA:H	16	0.38
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG21	1	0.38
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG22	1	0.38
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG23	1	0.38
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG21	1	0.38
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG22	1	0.38
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG23	1	0.38
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG21	2	0.38
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG22	2	0.38
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG23	2	0.38
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG21	2	0.38
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG22	2	0.38
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG23	2	0.38
(1,513)	1:103:A:LYS:HB2	1:104:A:ALA:H	1	0.38
(1,513)	1:103:A:LYS:HB2	1:104:A:ALA:H	2	0.38
(1,265)	1:205:B:HIS:H	1:205:B:HIS:HB2	2	0.38
(1,265)	1:205:B:HIS:H	1:205:B:HIS:HB2	3	0.38
(1,265)	1:205:B:HIS:H	1:205:B:HIS:HB2	5	0.38
(1,265)	1:205:B:HIS:H	1:205:B:HIS:HB2	6	0.38
(1,265)	1:205:B:HIS:H	1:205:B:HIS:HB2	9	0.38
(1,265)	1:205:B:HIS:H	1:205:B:HIS:HB2	10	0.38
(1,265)	1:205:B:HIS:H	1:205:B:HIS:HB2	13	0.38
(1,265)	1:205:B:HIS:H	1:205:B:HIS:HB2	15	0.38
(1,265)	1:205:B:HIS:H	1:205:B:HIS:HB2	17	0.38
(1,256)	1:203:B:LYS:HB2	1:203:B:LYS:HE2	3	0.38
(1,256)	1:203:B:LYS:HB2	1:203:B:LYS:HE3	3	0.38
(1,254)	1:203:B:LYS:HA	1:203:B:LYS:HG3	7	0.38
(1,254)	1:203:B:LYS:HA	1:203:B:LYS:HG3	18	0.38
(1,254)	1:203:B:LYS:HA	1:203:B:LYS:HG3	20	0.38
(1,13)	1:105:A:HIS:H	1:105:A:HIS:HB2	7	0.38
(1,13)	1:105:A:HIS:H	1:105:A:HIS:HB2	8	0.38
(1,4)	1:103:A:LYS:HB2	1:103:A:LYS:HE2	3	0.38
(1,4)	1:103:A:LYS:HB2	1:103:A:LYS:HE3	3	0.38
(1,4)	1:103:A:LYS:HB2	1:103:A:LYS:HE2	6	0.38
(1,4)	1:103:A:LYS:HB2	1:103:A:LYS:HE3	6	0.38
(1,2)	1:103:A:LYS:HA	1:103:A:LYS:HG3	1	0.38
(1,2)	1:103:A:LYS:HA	1:103:A:LYS:HG3	16	0.38
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG21	6	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG22	6	0.37
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG23	6	0.37
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG21	20	0.37
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG22	20	0.37
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG23	20	0.37
(1,2321)	1:158:A:ILE:HG12	1:205:B:HIS:HD2	9	0.37
(1,2321)	1:158:A:ILE:HG12	1:205:B:HIS:HD2	19	0.37
(1,2189)	1:133:A:GLU:HG3	1:227:B:ILE:HG21	20	0.37
(1,2189)	1:133:A:GLU:HG3	1:227:B:ILE:HG22	20	0.37
(1,2189)	1:133:A:GLU:HG3	1:227:B:ILE:HG23	20	0.37
(1,2107)	1:108:A:VAL:HG21	1:260:B:ALA:H	13	0.37
(1,2107)	1:108:A:VAL:HG22	1:260:B:ALA:H	13	0.37
(1,2107)	1:108:A:VAL:HG23	1:260:B:ALA:H	13	0.37
(1,2102)	1:107:A:GLU:HG3	1:258:B:ILE:HB	10	0.37
(1,2070)	1:105:A:HIS:HD2	1:258:B:ILE:HG12	8	0.37
(1,2070)	1:105:A:HIS:HD2	1:258:B:ILE:HG12	10	0.37
(1,2070)	1:105:A:HIS:HD2	1:258:B:ILE:HG12	14	0.37
(1,2070)	1:105:A:HIS:HD2	1:258:B:ILE:HG12	18	0.37
(1,2064)	1:105:A:HIS:HB3	1:256:B:ASP:HB2	4	0.37
(1,2064)	1:105:A:HIS:HB3	1:256:B:ASP:HB3	4	0.37
(1,2032)	1:248:B:VAL:HG21	1:253:B:PRO:HD2	8	0.37
(1,2032)	1:248:B:VAL:HG22	1:253:B:PRO:HD2	8	0.37
(1,2032)	1:248:B:VAL:HG23	1:253:B:PRO:HD2	8	0.37
(1,2032)	1:248:B:VAL:HG21	1:253:B:PRO:HD2	13	0.37
(1,2032)	1:248:B:VAL:HG22	1:253:B:PRO:HD2	13	0.37
(1,2032)	1:248:B:VAL:HG23	1:253:B:PRO:HD2	13	0.37
(1,2032)	1:248:B:VAL:HG21	1:253:B:PRO:HD2	15	0.37
(1,2032)	1:248:B:VAL:HG22	1:253:B:PRO:HD2	15	0.37
(1,2032)	1:248:B:VAL:HG23	1:253:B:PRO:HD2	15	0.37
(1,2010)	1:221:B:VAL:HG11	1:226:B:ASN:HD22	3	0.37
(1,2010)	1:221:B:VAL:HG12	1:226:B:ASN:HD22	3	0.37
(1,2010)	1:221:B:VAL:HG13	1:226:B:ASN:HD22	3	0.37
(1,2010)	1:221:B:VAL:HG21	1:226:B:ASN:HD22	3	0.37
(1,2010)	1:221:B:VAL:HG22	1:226:B:ASN:HD22	3	0.37
(1,2010)	1:221:B:VAL:HG23	1:226:B:ASN:HD22	3	0.37
(1,1947)	1:218:B:TRP:HD1	1:242:B:LYS:HG3	15	0.37
(1,1790)	1:148:A:VAL:HG21	1:153:A:PRO:HD2	18	0.37
(1,1790)	1:148:A:VAL:HG22	1:153:A:PRO:HD2	18	0.37
(1,1790)	1:148:A:VAL:HG23	1:153:A:PRO:HD2	18	0.37
(1,1768)	1:121:A:VAL:HG11	1:126:A:ASN:HD22	17	0.37
(1,1768)	1:121:A:VAL:HG12	1:126:A:ASN:HD22	17	0.37
(1,1768)	1:121:A:VAL:HG13	1:126:A:ASN:HD22	17	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1768)	1:121:A:VAL:HG21	1:126:A:ASN:HD22	17	0.37
(1,1768)	1:121:A:VAL:HG22	1:126:A:ASN:HD22	17	0.37
(1,1768)	1:121:A:VAL:HG23	1:126:A:ASN:HD22	17	0.37
(1,1665)	1:115:A:LYS:HG2	1:135:A:TYR:H	4	0.37
(1,1655)	1:110:A:VAL:HG11	1:116:A:TYR:H	7	0.37
(1,1655)	1:110:A:VAL:HG12	1:116:A:TYR:H	7	0.37
(1,1655)	1:110:A:VAL:HG13	1:116:A:TYR:H	7	0.37
(1,1515)	1:247:B:SER:HB3	1:249:B:LYS:H	13	0.37
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG21	2	0.37
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG22	2	0.37
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG23	2	0.37
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG21	2	0.37
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG22	2	0.37
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG23	2	0.37
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG21	2	0.37
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG22	2	0.37
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG23	2	0.37
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG21	13	0.37
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG22	13	0.37
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG23	13	0.37
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG21	13	0.37
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG22	13	0.37
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG23	13	0.37
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG21	13	0.37
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG22	13	0.37
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG23	13	0.37
(1,1317)	1:148:A:VAL:HG11	1:151:A:ASN:HD21	3	0.37
(1,1317)	1:148:A:VAL:HG12	1:151:A:ASN:HD21	3	0.37
(1,1317)	1:148:A:VAL:HG13	1:151:A:ASN:HD21	3	0.37
(1,1309)	1:147:A:SER:HB3	1:149:A:LYS:H	14	0.37
(1,1187)	1:122:A:HIS:HB2	1:126:A:ASN:HB2	1	0.37
(1,1146)	1:110:A:VAL:HG11	1:114:A:ASP:HB2	8	0.37
(1,1146)	1:110:A:VAL:HG12	1:114:A:ASP:HB2	8	0.37
(1,1146)	1:110:A:VAL:HG13	1:114:A:ASP:HB2	8	0.37
(1,1131)	1:258:B:ILE:HG13	1:259:B:GLU:H	2	0.37
(1,1131)	1:258:B:ILE:HG13	1:259:B:GLU:H	5	0.37
(1,1131)	1:258:B:ILE:HG13	1:259:B:GLU:H	8	0.37
(1,1131)	1:258:B:ILE:HG13	1:259:B:GLU:H	10	0.37
(1,1131)	1:258:B:ILE:HG13	1:259:B:GLU:H	14	0.37
(1,1131)	1:258:B:ILE:HG13	1:259:B:GLU:H	15	0.37
(1,1131)	1:258:B:ILE:HG13	1:259:B:GLU:H	19	0.37
(1,980)	1:228:B:LEU:HD11	1:229:B:ALA:H	17	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,980)	1:228:B:LEU:HD12	1:229:B:ALA:H	17	0.37
(1,980)	1:228:B:LEU:HD13	1:229:B:ALA:H	17	0.37
(1,980)	1:228:B:LEU:HD11	1:229:B:ALA:H	20	0.37
(1,980)	1:228:B:LEU:HD12	1:229:B:ALA:H	20	0.37
(1,980)	1:228:B:LEU:HD13	1:229:B:ALA:H	20	0.37
(1,829)	1:203:B:LYS:HB2	1:204:B:ALA:H	1	0.37
(1,829)	1:203:B:LYS:HB2	1:204:B:ALA:H	10	0.37
(1,829)	1:203:B:LYS:HB2	1:204:B:ALA:H	13	0.37
(1,815)	1:158:A:ILE:HG13	1:159:A:GLU:H	3	0.37
(1,815)	1:158:A:ILE:HG13	1:159:A:GLU:H	4	0.37
(1,815)	1:158:A:ILE:HG13	1:159:A:GLU:H	5	0.37
(1,815)	1:158:A:ILE:HG13	1:159:A:GLU:H	8	0.37
(1,815)	1:158:A:ILE:HG13	1:159:A:GLU:H	10	0.37
(1,815)	1:158:A:ILE:HG13	1:159:A:GLU:H	17	0.37
(1,815)	1:158:A:ILE:HG13	1:159:A:GLU:H	18	0.37
(1,689)	1:134:A:GLY:HA3	1:135:A:TYR:H	3	0.37
(1,664)	1:128:A:LEU:HD11	1:129:A:ALA:H	9	0.37
(1,664)	1:128:A:LEU:HD12	1:129:A:ALA:H	9	0.37
(1,664)	1:128:A:LEU:HD13	1:129:A:ALA:H	9	0.37
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG21	10	0.37
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG22	10	0.37
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG23	10	0.37
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG21	10	0.37
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG22	10	0.37
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG23	10	0.37
(1,513)	1:103:A:LYS:HB2	1:104:A:ALA:H	8	0.37
(1,513)	1:103:A:LYS:HB2	1:104:A:ALA:H	13	0.37
(1,513)	1:103:A:LYS:HB2	1:104:A:ALA:H	14	0.37
(1,513)	1:103:A:LYS:HB2	1:104:A:ALA:H	15	0.37
(1,513)	1:103:A:LYS:HB2	1:104:A:ALA:H	16	0.37
(1,346)	1:224:B:ASN:HB2	1:224:B:ASN:HD22	18	0.37
(1,261)	1:203:B:LYS:H	1:203:B:LYS:HG3	16	0.37
(1,261)	1:203:B:LYS:H	1:203:B:LYS:HG3	20	0.37
(1,256)	1:203:B:LYS:HB2	1:203:B:LYS:HE2	5	0.37
(1,256)	1:203:B:LYS:HB2	1:203:B:LYS:HE3	5	0.37
(1,256)	1:203:B:LYS:HB2	1:203:B:LYS:HE2	6	0.37
(1,256)	1:203:B:LYS:HB2	1:203:B:LYS:HE3	6	0.37
(1,254)	1:203:B:LYS:HA	1:203:B:LYS:HG3	8	0.37
(1,254)	1:203:B:LYS:HA	1:203:B:LYS:HG3	10	0.37
(1,253)	1:203:B:LYS:HA	1:203:B:LYS:HD2	11	0.37
(1,253)	1:203:B:LYS:HA	1:203:B:LYS:HD3	11	0.37
(1,174)	1:142:A:LYS:H	1:142:A:LYS:HG2	19	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13)	1:105:A:HIS:H	1:105:A:HIS:HB2	2	0.37
(1,13)	1:105:A:HIS:H	1:105:A:HIS:HB2	5	0.37
(1,13)	1:105:A:HIS:H	1:105:A:HIS:HB2	19	0.37
(1,4)	1:103:A:LYS:HB2	1:103:A:LYS:HE2	19	0.37
(1,4)	1:103:A:LYS:HB2	1:103:A:LYS:HE3	19	0.37
(1,2)	1:103:A:LYS:HA	1:103:A:LYS:HG3	9	0.37
(1,2)	1:103:A:LYS:HA	1:103:A:LYS:HG3	14	0.37
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG21	2	0.36
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG22	2	0.36
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG23	2	0.36
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG21	14	0.36
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG22	14	0.36
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG23	14	0.36
(1,2321)	1:158:A:ILE:HG12	1:205:B:HIS:HD2	4	0.36
(1,2321)	1:158:A:ILE:HG12	1:205:B:HIS:HD2	8	0.36
(1,2321)	1:158:A:ILE:HG12	1:205:B:HIS:HD2	13	0.36
(1,2321)	1:158:A:ILE:HG12	1:205:B:HIS:HD2	17	0.36
(1,2192)	1:142:A:LYS:HB2	1:257:B:VAL:HG21	12	0.36
(1,2192)	1:142:A:LYS:HB2	1:257:B:VAL:HG22	12	0.36
(1,2192)	1:142:A:LYS:HB2	1:257:B:VAL:HG23	12	0.36
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG11	6	0.36
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG12	6	0.36
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG13	6	0.36
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG11	6	0.36
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG12	6	0.36
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG13	6	0.36
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG11	6	0.36
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG12	6	0.36
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG13	6	0.36
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG11	14	0.36
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG12	14	0.36
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG13	14	0.36
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG11	14	0.36
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG12	14	0.36
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG13	14	0.36
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG11	14	0.36
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG12	14	0.36
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG13	14	0.36
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG11	15	0.36
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG12	15	0.36
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG13	15	0.36
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG11	15	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG12	15	0.36
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG13	15	0.36
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG11	15	0.36
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG12	15	0.36
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG13	15	0.36
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG11	20	0.36
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG12	20	0.36
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG13	20	0.36
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG11	20	0.36
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG12	20	0.36
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG13	20	0.36
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG11	20	0.36
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG12	20	0.36
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG13	20	0.36
(1,2107)	1:108:A:VAL:HG21	1:260:B:ALA:H	1	0.36
(1,2107)	1:108:A:VAL:HG22	1:260:B:ALA:H	1	0.36
(1,2107)	1:108:A:VAL:HG23	1:260:B:ALA:H	1	0.36
(1,2107)	1:108:A:VAL:HG21	1:260:B:ALA:H	20	0.36
(1,2107)	1:108:A:VAL:HG22	1:260:B:ALA:H	20	0.36
(1,2107)	1:108:A:VAL:HG23	1:260:B:ALA:H	20	0.36
(1,2070)	1:105:A:HIS:HD2	1:258:B:ILE:HG12	4	0.36
(1,2070)	1:105:A:HIS:HD2	1:258:B:ILE:HG12	5	0.36
(1,2070)	1:105:A:HIS:HD2	1:258:B:ILE:HG12	11	0.36
(1,2070)	1:105:A:HIS:HD2	1:258:B:ILE:HG12	15	0.36
(1,2070)	1:105:A:HIS:HD2	1:258:B:ILE:HG12	16	0.36
(1,2032)	1:248:B:VAL:HG21	1:253:B:PRO:HD2	18	0.36
(1,2032)	1:248:B:VAL:HG22	1:253:B:PRO:HD2	18	0.36
(1,2032)	1:248:B:VAL:HG23	1:253:B:PRO:HD2	18	0.36
(1,2010)	1:221:B:VAL:HG11	1:226:B:ASN:HD22	15	0.36
(1,2010)	1:221:B:VAL:HG12	1:226:B:ASN:HD22	15	0.36
(1,2010)	1:221:B:VAL:HG13	1:226:B:ASN:HD22	15	0.36
(1,2010)	1:221:B:VAL:HG21	1:226:B:ASN:HD22	15	0.36
(1,2010)	1:221:B:VAL:HG22	1:226:B:ASN:HD22	15	0.36
(1,2010)	1:221:B:VAL:HG23	1:226:B:ASN:HD22	15	0.36
(1,1947)	1:218:B:TRP:HD1	1:242:B:LYS:HG3	17	0.36
(1,1862)	1:208:B:VAL:HG21	1:217:B:ARG:H	2	0.36
(1,1862)	1:208:B:VAL:HG22	1:217:B:ARG:H	2	0.36
(1,1862)	1:208:B:VAL:HG23	1:217:B:ARG:H	2	0.36
(1,1790)	1:148:A:VAL:HG21	1:153:A:PRO:HD2	16	0.36
(1,1790)	1:148:A:VAL:HG22	1:153:A:PRO:HD2	16	0.36
(1,1790)	1:148:A:VAL:HG23	1:153:A:PRO:HD2	16	0.36
(1,1705)	1:118:A:TRP:HD1	1:142:A:LYS:HG3	11	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1705)	1:118:A:TRP:HD1	1:142:A:LYS:HG3	13	0.36
(1,1655)	1:110:A:VAL:HG11	1:116:A:TYR:H	9	0.36
(1,1655)	1:110:A:VAL:HG12	1:116:A:TYR:H	9	0.36
(1,1655)	1:110:A:VAL:HG13	1:116:A:TYR:H	9	0.36
(1,1655)	1:110:A:VAL:HG11	1:116:A:TYR:H	17	0.36
(1,1655)	1:110:A:VAL:HG12	1:116:A:TYR:H	17	0.36
(1,1655)	1:110:A:VAL:HG13	1:116:A:TYR:H	17	0.36
(1,1619)	1:108:A:VAL:HG21	1:116:A:TYR:HB3	1	0.36
(1,1619)	1:108:A:VAL:HG22	1:116:A:TYR:HB3	1	0.36
(1,1619)	1:108:A:VAL:HG23	1:116:A:TYR:HB3	1	0.36
(1,1619)	1:108:A:VAL:HG21	1:116:A:TYR:HB3	10	0.36
(1,1619)	1:108:A:VAL:HG22	1:116:A:TYR:HB3	10	0.36
(1,1619)	1:108:A:VAL:HG23	1:116:A:TYR:HB3	10	0.36
(1,1619)	1:108:A:VAL:HG21	1:116:A:TYR:HB3	19	0.36
(1,1619)	1:108:A:VAL:HG22	1:116:A:TYR:HB3	19	0.36
(1,1619)	1:108:A:VAL:HG23	1:116:A:TYR:HB3	19	0.36
(1,1515)	1:247:B:SER:HB3	1:249:B:LYS:H	2	0.36
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG21	12	0.36
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG22	12	0.36
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG23	12	0.36
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG21	12	0.36
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG22	12	0.36
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG23	12	0.36
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG21	12	0.36
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG22	12	0.36
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG23	12	0.36
(1,1427)	1:231:B:SER:HB2	1:233:B:GLU:HB3	18	0.36
(1,1427)	1:231:B:SER:HB3	1:233:B:GLU:HB3	18	0.36
(1,1409)	1:224:B:ASN:HD22	1:228:B:LEU:HD21	3	0.36
(1,1409)	1:224:B:ASN:HD22	1:228:B:LEU:HD22	3	0.36
(1,1409)	1:224:B:ASN:HD22	1:228:B:LEU:HD23	3	0.36
(1,1405)	1:224:B:ASN:HD21	1:226:B:ASN:HD21	9	0.36
(1,1405)	1:224:B:ASN:HD21	1:226:B:ASN:HD21	12	0.36
(1,1352)	1:210:B:VAL:HG11	1:214:B:ASP:HB2	20	0.36
(1,1352)	1:210:B:VAL:HG12	1:214:B:ASP:HB2	20	0.36
(1,1352)	1:210:B:VAL:HG13	1:214:B:ASP:HB2	20	0.36
(1,1144)	1:109:A:PHE:HE1	1:111:A:ASP:HB3	11	0.36
(1,1144)	1:109:A:PHE:HE2	1:111:A:ASP:HB3	11	0.36
(1,1131)	1:258:B:ILE:HG13	1:259:B:GLU:H	6	0.36
(1,1131)	1:258:B:ILE:HG13	1:259:B:GLU:H	9	0.36
(1,1131)	1:258:B:ILE:HG13	1:259:B:GLU:H	11	0.36
(1,1131)	1:258:B:ILE:HG13	1:259:B:GLU:H	16	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1131)	1:258:B:ILE:HG13	1:259:B:GLU:H	18	0.36
(1,980)	1:228:B:LEU:HD11	1:229:B:ALA:H	5	0.36
(1,980)	1:228:B:LEU:HD12	1:229:B:ALA:H	5	0.36
(1,980)	1:228:B:LEU:HD13	1:229:B:ALA:H	5	0.36
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG21	2	0.36
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG22	2	0.36
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG23	2	0.36
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG21	2	0.36
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG22	2	0.36
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG23	2	0.36
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG21	13	0.36
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG22	13	0.36
(1,867)	1:209:B:PHE:HD1	1:210:B:VAL:HG23	13	0.36
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG21	13	0.36
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG22	13	0.36
(1,867)	1:209:B:PHE:HD2	1:210:B:VAL:HG23	13	0.36
(1,829)	1:203:B:LYS:HB2	1:204:B:ALA:H	4	0.36
(1,829)	1:203:B:LYS:HB2	1:204:B:ALA:H	16	0.36
(1,829)	1:203:B:LYS:HB2	1:204:B:ALA:H	18	0.36
(1,815)	1:158:A:ILE:HG13	1:159:A:GLU:H	7	0.36
(1,689)	1:134:A:GLY:HA3	1:135:A:TYR:H	7	0.36
(1,664)	1:128:A:LEU:HD11	1:129:A:ALA:H	4	0.36
(1,664)	1:128:A:LEU:HD12	1:129:A:ALA:H	4	0.36
(1,664)	1:128:A:LEU:HD13	1:129:A:ALA:H	4	0.36
(1,664)	1:128:A:LEU:HD11	1:129:A:ALA:H	6	0.36
(1,664)	1:128:A:LEU:HD12	1:129:A:ALA:H	6	0.36
(1,664)	1:128:A:LEU:HD13	1:129:A:ALA:H	6	0.36
(1,664)	1:128:A:LEU:HD11	1:129:A:ALA:H	14	0.36
(1,664)	1:128:A:LEU:HD12	1:129:A:ALA:H	14	0.36
(1,664)	1:128:A:LEU:HD13	1:129:A:ALA:H	14	0.36
(1,513)	1:103:A:LYS:HB2	1:104:A:ALA:H	3	0.36
(1,513)	1:103:A:LYS:HB2	1:104:A:ALA:H	9	0.36
(1,513)	1:103:A:LYS:HB2	1:104:A:ALA:H	12	0.36
(1,513)	1:103:A:LYS:HB2	1:104:A:ALA:H	17	0.36
(1,254)	1:203:B:LYS:HA	1:203:B:LYS:HG3	16	0.36
(1,4)	1:103:A:LYS:HB2	1:103:A:LYS:HE2	20	0.36
(1,4)	1:103:A:LYS:HB2	1:103:A:LYS:HE3	20	0.36
(1,2)	1:103:A:LYS:HA	1:103:A:LYS:HG3	2	0.36
(1,2)	1:103:A:LYS:HA	1:103:A:LYS:HG3	6	0.36
(1,2)	1:103:A:LYS:HA	1:103:A:LYS:HG3	12	0.36
(1,2321)	1:158:A:ILE:HG12	1:205:B:HIS:HD2	5	0.35
(1,2321)	1:158:A:ILE:HG12	1:205:B:HIS:HD2	10	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2321)	1:158:A:ILE:HG12	1:205:B:HIS:HD2	15	0.35
(1,2321)	1:158:A:ILE:HG12	1:205:B:HIS:HD2	20	0.35
(1,2311)	1:158:A:ILE:HB	1:207:B:GLU:HG3	8	0.35
(1,2281)	1:156:A:ASP:HB2	1:205:B:HIS:HB3	7	0.35
(1,2281)	1:156:A:ASP:HB3	1:205:B:HIS:HB3	7	0.35
(1,2281)	1:156:A:ASP:HB2	1:205:B:HIS:HB3	10	0.35
(1,2281)	1:156:A:ASP:HB3	1:205:B:HIS:HB3	10	0.35
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG11	5	0.35
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG12	5	0.35
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG13	5	0.35
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG11	5	0.35
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG12	5	0.35
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG13	5	0.35
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG11	5	0.35
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG12	5	0.35
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG13	5	0.35
(1,2107)	1:108:A:VAL:HG21	1:260:B:ALA:H	6	0.35
(1,2107)	1:108:A:VAL:HG22	1:260:B:ALA:H	6	0.35
(1,2107)	1:108:A:VAL:HG23	1:260:B:ALA:H	6	0.35
(1,2107)	1:108:A:VAL:HG21	1:260:B:ALA:H	16	0.35
(1,2107)	1:108:A:VAL:HG22	1:260:B:ALA:H	16	0.35
(1,2107)	1:108:A:VAL:HG23	1:260:B:ALA:H	16	0.35
(1,2070)	1:105:A:HIS:HD2	1:258:B:ILE:HG12	6	0.35
(1,2070)	1:105:A:HIS:HD2	1:258:B:ILE:HG12	19	0.35
(1,2064)	1:105:A:HIS:HB3	1:256:B:ASP:HB2	16	0.35
(1,2064)	1:105:A:HIS:HB3	1:256:B:ASP:HB3	16	0.35
(1,2010)	1:221:B:VAL:HG11	1:226:B:ASN:HD22	1	0.35
(1,2010)	1:221:B:VAL:HG12	1:226:B:ASN:HD22	1	0.35
(1,2010)	1:221:B:VAL:HG13	1:226:B:ASN:HD22	1	0.35
(1,2010)	1:221:B:VAL:HG21	1:226:B:ASN:HD22	1	0.35
(1,2010)	1:221:B:VAL:HG22	1:226:B:ASN:HD22	1	0.35
(1,2010)	1:221:B:VAL:HG23	1:226:B:ASN:HD22	1	0.35
(1,1897)	1:210:B:VAL:HG11	1:216:B:TYR:H	12	0.35
(1,1897)	1:210:B:VAL:HG12	1:216:B:TYR:H	12	0.35
(1,1897)	1:210:B:VAL:HG13	1:216:B:TYR:H	12	0.35
(1,1790)	1:148:A:VAL:HG21	1:153:A:PRO:HD2	2	0.35
(1,1790)	1:148:A:VAL:HG22	1:153:A:PRO:HD2	2	0.35
(1,1790)	1:148:A:VAL:HG23	1:153:A:PRO:HD2	2	0.35
(1,1790)	1:148:A:VAL:HG21	1:153:A:PRO:HD2	14	0.35
(1,1790)	1:148:A:VAL:HG22	1:153:A:PRO:HD2	14	0.35
(1,1790)	1:148:A:VAL:HG23	1:153:A:PRO:HD2	14	0.35
(1,1655)	1:110:A:VAL:HG11	1:116:A:TYR:H	10	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1655)	1:110:A:VAL:HG12	1:116:A:TYR:H	10	0.35
(1,1655)	1:110:A:VAL:HG13	1:116:A:TYR:H	10	0.35
(1,1655)	1:110:A:VAL:HG11	1:116:A:TYR:H	12	0.35
(1,1655)	1:110:A:VAL:HG12	1:116:A:TYR:H	12	0.35
(1,1655)	1:110:A:VAL:HG13	1:116:A:TYR:H	12	0.35
(1,1655)	1:110:A:VAL:HG11	1:116:A:TYR:H	18	0.35
(1,1655)	1:110:A:VAL:HG12	1:116:A:TYR:H	18	0.35
(1,1655)	1:110:A:VAL:HG13	1:116:A:TYR:H	18	0.35
(1,1655)	1:110:A:VAL:HG11	1:116:A:TYR:H	20	0.35
(1,1655)	1:110:A:VAL:HG12	1:116:A:TYR:H	20	0.35
(1,1655)	1:110:A:VAL:HG13	1:116:A:TYR:H	20	0.35
(1,1620)	1:108:A:VAL:HG21	1:117:A:ARG:H	14	0.35
(1,1620)	1:108:A:VAL:HG22	1:117:A:ARG:H	14	0.35
(1,1620)	1:108:A:VAL:HG23	1:117:A:ARG:H	14	0.35
(1,1515)	1:247:B:SER:HB3	1:249:B:LYS:H	6	0.35
(1,1397)	1:222:B:HIS:H	1:225:B:GLY:HA3	11	0.35
(1,1309)	1:147:A:SER:HB3	1:149:A:LYS:H	15	0.35
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG21	10	0.35
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG22	10	0.35
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG23	10	0.35
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG21	10	0.35
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG22	10	0.35
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG23	10	0.35
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG21	10	0.35
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG22	10	0.35
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG23	10	0.35
(1,1203)	1:124:A:ASN:HD22	1:128:A:LEU:HD21	10	0.35
(1,1203)	1:124:A:ASN:HD22	1:128:A:LEU:HD22	10	0.35
(1,1203)	1:124:A:ASN:HD22	1:128:A:LEU:HD23	10	0.35
(1,1191)	1:122:A:HIS:H	1:125:A:GLY:HA3	6	0.35
(1,1187)	1:122:A:HIS:HB2	1:126:A:ASN:HB2	6	0.35
(1,980)	1:228:B:LEU:HD11	1:229:B:ALA:H	1	0.35
(1,980)	1:228:B:LEU:HD12	1:229:B:ALA:H	1	0.35
(1,980)	1:228:B:LEU:HD13	1:229:B:ALA:H	1	0.35
(1,980)	1:228:B:LEU:HD11	1:229:B:ALA:H	3	0.35
(1,980)	1:228:B:LEU:HD12	1:229:B:ALA:H	3	0.35
(1,980)	1:228:B:LEU:HD13	1:229:B:ALA:H	3	0.35
(1,980)	1:228:B:LEU:HD11	1:229:B:ALA:H	6	0.35
(1,980)	1:228:B:LEU:HD12	1:229:B:ALA:H	6	0.35
(1,980)	1:228:B:LEU:HD13	1:229:B:ALA:H	6	0.35
(1,980)	1:228:B:LEU:HD11	1:229:B:ALA:H	13	0.35
(1,980)	1:228:B:LEU:HD12	1:229:B:ALA:H	13	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,980)	1:228:B:LEU:HD13	1:229:B:ALA:H	13	0.35
(1,829)	1:203:B:LYS:HB2	1:204:B:ALA:H	15	0.35
(1,829)	1:203:B:LYS:HB2	1:204:B:ALA:H	20	0.35
(1,815)	1:158:A:ILE:HG13	1:159:A:GLU:H	19	0.35
(1,686)	1:133:A:GLU:HB2	1:134:A:GLY:H	4	0.35
(1,664)	1:128:A:LEU:HD11	1:129:A:ALA:H	1	0.35
(1,664)	1:128:A:LEU:HD12	1:129:A:ALA:H	1	0.35
(1,664)	1:128:A:LEU:HD13	1:129:A:ALA:H	1	0.35
(1,664)	1:128:A:LEU:HD11	1:129:A:ALA:H	2	0.35
(1,664)	1:128:A:LEU:HD12	1:129:A:ALA:H	2	0.35
(1,664)	1:128:A:LEU:HD13	1:129:A:ALA:H	2	0.35
(1,664)	1:128:A:LEU:HD11	1:129:A:ALA:H	5	0.35
(1,664)	1:128:A:LEU:HD12	1:129:A:ALA:H	5	0.35
(1,664)	1:128:A:LEU:HD13	1:129:A:ALA:H	5	0.35
(1,664)	1:128:A:LEU:HD11	1:129:A:ALA:H	13	0.35
(1,664)	1:128:A:LEU:HD12	1:129:A:ALA:H	13	0.35
(1,664)	1:128:A:LEU:HD13	1:129:A:ALA:H	13	0.35
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG21	15	0.35
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG22	15	0.35
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG23	15	0.35
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG21	15	0.35
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG22	15	0.35
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG23	15	0.35
(1,475)	1:251:B:ASN:HB3	1:251:B:ASN:HD22	11	0.35
(1,475)	1:251:B:ASN:HB3	1:251:B:ASN:HD22	12	0.35
(1,395)	1:238:B:LYS:H	1:238:B:LYS:HD2	9	0.35
(1,395)	1:238:B:LYS:H	1:238:B:LYS:HD3	9	0.35
(1,256)	1:203:B:LYS:HB2	1:203:B:LYS:HE2	16	0.35
(1,256)	1:203:B:LYS:HB2	1:203:B:LYS:HE3	16	0.35
(1,256)	1:203:B:LYS:HB2	1:203:B:LYS:HE2	18	0.35
(1,256)	1:203:B:LYS:HB2	1:203:B:LYS:HE3	18	0.35
(1,254)	1:203:B:LYS:HA	1:203:B:LYS:HG3	2	0.35
(1,254)	1:203:B:LYS:HA	1:203:B:LYS:HG3	6	0.35
(1,254)	1:203:B:LYS:HA	1:203:B:LYS:HG3	17	0.35
(1,223)	1:151:A:ASN:HB3	1:151:A:ASN:HD22	18	0.35
(1,4)	1:103:A:LYS:HB2	1:103:A:LYS:HE2	18	0.35
(1,4)	1:103:A:LYS:HB2	1:103:A:LYS:HE3	18	0.35
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG21	15	0.34
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG22	15	0.34
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG23	15	0.34
(1,2321)	1:158:A:ILE:HG12	1:205:B:HIS:HD2	6	0.34
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB1	5	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB2	5	0.34
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB3	5	0.34
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB1	5	0.34
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB2	5	0.34
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB3	5	0.34
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB1	5	0.34
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB2	5	0.34
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB3	5	0.34
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB1	9	0.34
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB2	9	0.34
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB3	9	0.34
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB1	9	0.34
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB2	9	0.34
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB3	9	0.34
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB1	9	0.34
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB2	9	0.34
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB3	9	0.34
(1,2107)	1:108:A:VAL:HG21	1:260:B:ALA:H	5	0.34
(1,2107)	1:108:A:VAL:HG22	1:260:B:ALA:H	5	0.34
(1,2107)	1:108:A:VAL:HG23	1:260:B:ALA:H	5	0.34
(1,2107)	1:108:A:VAL:HG21	1:260:B:ALA:H	11	0.34
(1,2107)	1:108:A:VAL:HG22	1:260:B:ALA:H	11	0.34
(1,2107)	1:108:A:VAL:HG23	1:260:B:ALA:H	11	0.34
(1,2032)	1:248:B:VAL:HG21	1:253:B:PRO:HD2	3	0.34
(1,2032)	1:248:B:VAL:HG22	1:253:B:PRO:HD2	3	0.34
(1,2032)	1:248:B:VAL:HG23	1:253:B:PRO:HD2	3	0.34
(1,2010)	1:221:B:VAL:HG11	1:226:B:ASN:HD22	18	0.34
(1,2010)	1:221:B:VAL:HG12	1:226:B:ASN:HD22	18	0.34
(1,2010)	1:221:B:VAL:HG13	1:226:B:ASN:HD22	18	0.34
(1,2010)	1:221:B:VAL:HG21	1:226:B:ASN:HD22	18	0.34
(1,2010)	1:221:B:VAL:HG22	1:226:B:ASN:HD22	18	0.34
(1,2010)	1:221:B:VAL:HG23	1:226:B:ASN:HD22	18	0.34
(1,1947)	1:218:B:TRP:HD1	1:242:B:LYS:HG3	14	0.34
(1,1790)	1:148:A:VAL:HG21	1:153:A:PRO:HD2	7	0.34
(1,1790)	1:148:A:VAL:HG22	1:153:A:PRO:HD2	7	0.34
(1,1790)	1:148:A:VAL:HG23	1:153:A:PRO:HD2	7	0.34
(1,1790)	1:148:A:VAL:HG21	1:153:A:PRO:HD2	8	0.34
(1,1790)	1:148:A:VAL:HG22	1:153:A:PRO:HD2	8	0.34
(1,1790)	1:148:A:VAL:HG23	1:153:A:PRO:HD2	8	0.34
(1,1705)	1:118:A:TRP:HD1	1:142:A:LYS:HG3	6	0.34
(1,1655)	1:110:A:VAL:HG11	1:116:A:TYR:H	11	0.34
(1,1655)	1:110:A:VAL:HG12	1:116:A:TYR:H	11	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1655)	1:110:A:VAL:HG13	1:116:A:TYR:H	11	0.34
(1,1620)	1:108:A:VAL:HG21	1:117:A:ARG:H	10	0.34
(1,1620)	1:108:A:VAL:HG22	1:117:A:ARG:H	10	0.34
(1,1620)	1:108:A:VAL:HG23	1:117:A:ARG:H	10	0.34
(1,1595)	1:107:A:GLU:HG2	1:121:A:VAL:HB	20	0.34
(1,1409)	1:224:B:ASN:HD22	1:228:B:LEU:HD21	18	0.34
(1,1409)	1:224:B:ASN:HD22	1:228:B:LEU:HD22	18	0.34
(1,1409)	1:224:B:ASN:HD22	1:228:B:LEU:HD23	18	0.34
(1,1393)	1:222:B:HIS:HB2	1:226:B:ASN:HB2	11	0.34
(1,1393)	1:222:B:HIS:HB2	1:226:B:ASN:HB2	16	0.34
(1,1383)	1:215:B:LYS:HB2	1:217:B:ARG:HG2	17	0.34
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG21	20	0.34
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG22	20	0.34
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG23	20	0.34
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG21	20	0.34
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG22	20	0.34
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG23	20	0.34
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG21	20	0.34
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG22	20	0.34
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG23	20	0.34
(1,1187)	1:122:A:HIS:HB2	1:126:A:ASN:HB2	15	0.34
(1,1146)	1:110:A:VAL:HG11	1:114:A:ASP:HB2	19	0.34
(1,1146)	1:110:A:VAL:HG12	1:114:A:ASP:HB2	19	0.34
(1,1146)	1:110:A:VAL:HG13	1:114:A:ASP:HB2	19	0.34
(1,980)	1:228:B:LEU:HD11	1:229:B:ALA:H	2	0.34
(1,980)	1:228:B:LEU:HD12	1:229:B:ALA:H	2	0.34
(1,980)	1:228:B:LEU:HD13	1:229:B:ALA:H	2	0.34
(1,980)	1:228:B:LEU:HD11	1:229:B:ALA:H	4	0.34
(1,980)	1:228:B:LEU:HD12	1:229:B:ALA:H	4	0.34
(1,980)	1:228:B:LEU:HD13	1:229:B:ALA:H	4	0.34
(1,980)	1:228:B:LEU:HD11	1:229:B:ALA:H	7	0.34
(1,980)	1:228:B:LEU:HD12	1:229:B:ALA:H	7	0.34
(1,980)	1:228:B:LEU:HD13	1:229:B:ALA:H	7	0.34
(1,980)	1:228:B:LEU:HD11	1:229:B:ALA:H	12	0.34
(1,980)	1:228:B:LEU:HD12	1:229:B:ALA:H	12	0.34
(1,980)	1:228:B:LEU:HD13	1:229:B:ALA:H	12	0.34
(1,980)	1:228:B:LEU:HD11	1:229:B:ALA:H	18	0.34
(1,980)	1:228:B:LEU:HD12	1:229:B:ALA:H	18	0.34
(1,980)	1:228:B:LEU:HD13	1:229:B:ALA:H	18	0.34
(1,872)	1:210:B:VAL:HA	1:211:B:ASP:HB3	12	0.34
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD1	11	0.34
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD2	11	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD1	11	0.34
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD2	11	0.34
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD1	11	0.34
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD2	11	0.34
(1,829)	1:203:B:LYS:HB2	1:204:B:ALA:H	14	0.34
(1,664)	1:128:A:LEU:HD11	1:129:A:ALA:H	3	0.34
(1,664)	1:128:A:LEU:HD12	1:129:A:ALA:H	3	0.34
(1,664)	1:128:A:LEU:HD13	1:129:A:ALA:H	3	0.34
(1,664)	1:128:A:LEU:HD11	1:129:A:ALA:H	11	0.34
(1,664)	1:128:A:LEU:HD12	1:129:A:ALA:H	11	0.34
(1,664)	1:128:A:LEU:HD13	1:129:A:ALA:H	11	0.34
(1,664)	1:128:A:LEU:HD11	1:129:A:ALA:H	15	0.34
(1,664)	1:128:A:LEU:HD12	1:129:A:ALA:H	15	0.34
(1,664)	1:128:A:LEU:HD13	1:129:A:ALA:H	15	0.34
(1,664)	1:128:A:LEU:HD11	1:129:A:ALA:H	20	0.34
(1,664)	1:128:A:LEU:HD12	1:129:A:ALA:H	20	0.34
(1,664)	1:128:A:LEU:HD13	1:129:A:ALA:H	20	0.34
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD1	6	0.34
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD2	6	0.34
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD1	6	0.34
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD2	6	0.34
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD1	6	0.34
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD2	6	0.34
(1,513)	1:103:A:LYS:HB2	1:104:A:ALA:H	11	0.34
(1,475)	1:251:B:ASN:HB3	1:251:B:ASN:HD22	1	0.34
(1,475)	1:251:B:ASN:HB3	1:251:B:ASN:HD22	3	0.34
(1,475)	1:251:B:ASN:HB3	1:251:B:ASN:HD22	7	0.34
(1,475)	1:251:B:ASN:HB3	1:251:B:ASN:HD22	9	0.34
(1,475)	1:251:B:ASN:HB3	1:251:B:ASN:HD22	13	0.34
(1,475)	1:251:B:ASN:HB3	1:251:B:ASN:HD22	20	0.34
(1,261)	1:203:B:LYS:H	1:203:B:LYS:HG3	7	0.34
(1,256)	1:203:B:LYS:HB2	1:203:B:LYS:HE2	2	0.34
(1,256)	1:203:B:LYS:HB2	1:203:B:LYS:HE3	2	0.34
(1,223)	1:151:A:ASN:HB3	1:151:A:ASN:HD22	3	0.34
(1,223)	1:151:A:ASN:HB3	1:151:A:ASN:HD22	7	0.34
(1,223)	1:151:A:ASN:HB3	1:151:A:ASN:HD22	8	0.34
(1,223)	1:151:A:ASN:HB3	1:151:A:ASN:HD22	12	0.34
(1,223)	1:151:A:ASN:HB3	1:151:A:ASN:HD22	15	0.34
(1,2321)	1:158:A:ILE:HG12	1:205:B:HIS:HD2	7	0.33
(1,2311)	1:158:A:ILE:HB	1:207:B:GLU:HG3	12	0.33
(1,2304)	1:157:A:VAL:HG21	1:242:B:LYS:HB2	6	0.33
(1,2304)	1:157:A:VAL:HG22	1:242:B:LYS:HB2	6	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2304)	1:157:A:VAL:HG23	1:242:B:LYS:HB2	6	0.33
(1,2304)	1:157:A:VAL:HG21	1:242:B:LYS:HB2	12	0.33
(1,2304)	1:157:A:VAL:HG22	1:242:B:LYS:HB2	12	0.33
(1,2304)	1:157:A:VAL:HG23	1:242:B:LYS:HB2	12	0.33
(1,2281)	1:156:A:ASP:HB2	1:205:B:HIS:HB3	9	0.33
(1,2281)	1:156:A:ASP:HB3	1:205:B:HIS:HB3	9	0.33
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB1	7	0.33
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB2	7	0.33
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB3	7	0.33
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB1	7	0.33
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB2	7	0.33
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB3	7	0.33
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB1	7	0.33
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB2	7	0.33
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB3	7	0.33
(1,2107)	1:108:A:VAL:HG21	1:260:B:ALA:H	2	0.33
(1,2107)	1:108:A:VAL:HG22	1:260:B:ALA:H	2	0.33
(1,2107)	1:108:A:VAL:HG23	1:260:B:ALA:H	2	0.33
(1,2102)	1:107:A:GLU:HG3	1:258:B:ILE:HB	17	0.33
(1,2102)	1:107:A:GLU:HG3	1:258:B:ILE:HB	19	0.33
(1,2070)	1:105:A:HIS:HD2	1:258:B:ILE:HG12	17	0.33
(1,2032)	1:248:B:VAL:HG21	1:253:B:PRO:HD2	2	0.33
(1,2032)	1:248:B:VAL:HG22	1:253:B:PRO:HD2	2	0.33
(1,2032)	1:248:B:VAL:HG23	1:253:B:PRO:HD2	2	0.33
(1,2010)	1:221:B:VAL:HG11	1:226:B:ASN:HD22	2	0.33
(1,2010)	1:221:B:VAL:HG12	1:226:B:ASN:HD22	2	0.33
(1,2010)	1:221:B:VAL:HG13	1:226:B:ASN:HD22	2	0.33
(1,2010)	1:221:B:VAL:HG21	1:226:B:ASN:HD22	2	0.33
(1,2010)	1:221:B:VAL:HG22	1:226:B:ASN:HD22	2	0.33
(1,2010)	1:221:B:VAL:HG23	1:226:B:ASN:HD22	2	0.33
(1,2010)	1:221:B:VAL:HG11	1:226:B:ASN:HD22	11	0.33
(1,2010)	1:221:B:VAL:HG12	1:226:B:ASN:HD22	11	0.33
(1,2010)	1:221:B:VAL:HG13	1:226:B:ASN:HD22	11	0.33
(1,2010)	1:221:B:VAL:HG21	1:226:B:ASN:HD22	11	0.33
(1,2010)	1:221:B:VAL:HG22	1:226:B:ASN:HD22	11	0.33
(1,2010)	1:221:B:VAL:HG23	1:226:B:ASN:HD22	11	0.33
(1,1947)	1:218:B:TRP:HD1	1:242:B:LYS:HG3	16	0.33
(1,1897)	1:210:B:VAL:HG11	1:216:B:TYR:H	1	0.33
(1,1897)	1:210:B:VAL:HG12	1:216:B:TYR:H	1	0.33
(1,1897)	1:210:B:VAL:HG13	1:216:B:TYR:H	1	0.33
(1,1790)	1:148:A:VAL:HG21	1:153:A:PRO:HD2	4	0.33
(1,1790)	1:148:A:VAL:HG22	1:153:A:PRO:HD2	4	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1790)	1:148:A:VAL:HG23	1:153:A:PRO:HD2	4	0.33
(1,1768)	1:121:A:VAL:HG11	1:126:A:ASN:HD22	6	0.33
(1,1768)	1:121:A:VAL:HG12	1:126:A:ASN:HD22	6	0.33
(1,1768)	1:121:A:VAL:HG13	1:126:A:ASN:HD22	6	0.33
(1,1768)	1:121:A:VAL:HG21	1:126:A:ASN:HD22	6	0.33
(1,1768)	1:121:A:VAL:HG22	1:126:A:ASN:HD22	6	0.33
(1,1768)	1:121:A:VAL:HG23	1:126:A:ASN:HD22	6	0.33
(1,1768)	1:121:A:VAL:HG11	1:126:A:ASN:HD22	16	0.33
(1,1768)	1:121:A:VAL:HG12	1:126:A:ASN:HD22	16	0.33
(1,1768)	1:121:A:VAL:HG13	1:126:A:ASN:HD22	16	0.33
(1,1768)	1:121:A:VAL:HG21	1:126:A:ASN:HD22	16	0.33
(1,1768)	1:121:A:VAL:HG22	1:126:A:ASN:HD22	16	0.33
(1,1768)	1:121:A:VAL:HG23	1:126:A:ASN:HD22	16	0.33
(1,1705)	1:118:A:TRP:HD1	1:142:A:LYS:HG3	10	0.33
(1,1655)	1:110:A:VAL:HG11	1:116:A:TYR:H	1	0.33
(1,1655)	1:110:A:VAL:HG12	1:116:A:TYR:H	1	0.33
(1,1655)	1:110:A:VAL:HG13	1:116:A:TYR:H	1	0.33
(1,1655)	1:110:A:VAL:HG11	1:116:A:TYR:H	5	0.33
(1,1655)	1:110:A:VAL:HG12	1:116:A:TYR:H	5	0.33
(1,1655)	1:110:A:VAL:HG13	1:116:A:TYR:H	5	0.33
(1,1523)	1:248:B:VAL:HG11	1:251:B:ASN:HD21	4	0.33
(1,1523)	1:248:B:VAL:HG12	1:251:B:ASN:HD21	4	0.33
(1,1523)	1:248:B:VAL:HG13	1:251:B:ASN:HD21	4	0.33
(1,1409)	1:224:B:ASN:HD22	1:228:B:LEU:HD21	15	0.33
(1,1409)	1:224:B:ASN:HD22	1:228:B:LEU:HD22	15	0.33
(1,1409)	1:224:B:ASN:HD22	1:228:B:LEU:HD23	15	0.33
(1,1397)	1:222:B:HIS:H	1:225:B:GLY:HA3	20	0.33
(1,1352)	1:210:B:VAL:HG11	1:214:B:ASP:HB2	5	0.33
(1,1352)	1:210:B:VAL:HG12	1:214:B:ASP:HB2	5	0.33
(1,1352)	1:210:B:VAL:HG13	1:214:B:ASP:HB2	5	0.33
(1,1352)	1:210:B:VAL:HG11	1:214:B:ASP:HB2	18	0.33
(1,1352)	1:210:B:VAL:HG12	1:214:B:ASP:HB2	18	0.33
(1,1352)	1:210:B:VAL:HG13	1:214:B:ASP:HB2	18	0.33
(1,1317)	1:148:A:VAL:HG11	1:151:A:ASN:HD21	5	0.33
(1,1317)	1:148:A:VAL:HG12	1:151:A:ASN:HD21	5	0.33
(1,1317)	1:148:A:VAL:HG13	1:151:A:ASN:HD21	5	0.33
(1,1199)	1:124:A:ASN:HD21	1:126:A:ASN:HD21	15	0.33
(1,1187)	1:122:A:HIS:HB2	1:126:A:ASN:HB2	13	0.33
(1,980)	1:228:B:LEU:HD11	1:229:B:ALA:H	8	0.33
(1,980)	1:228:B:LEU:HD12	1:229:B:ALA:H	8	0.33
(1,980)	1:228:B:LEU:HD13	1:229:B:ALA:H	8	0.33
(1,980)	1:228:B:LEU:HD11	1:229:B:ALA:H	10	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,980)	1:228:B:LEU:HD12	1:229:B:ALA:H	10	0.33
(1,980)	1:228:B:LEU:HD13	1:229:B:ALA:H	10	0.33
(1,872)	1:210:B:VAL:HA	1:211:B:ASP:HB3	15	0.33
(1,829)	1:203:B:LYS:HB2	1:204:B:ALA:H	12	0.33
(1,664)	1:128:A:LEU:HD11	1:129:A:ALA:H	18	0.33
(1,664)	1:128:A:LEU:HD12	1:129:A:ALA:H	18	0.33
(1,664)	1:128:A:LEU:HD13	1:129:A:ALA:H	18	0.33
(1,664)	1:128:A:LEU:HD11	1:129:A:ALA:H	19	0.33
(1,664)	1:128:A:LEU:HD12	1:129:A:ALA:H	19	0.33
(1,664)	1:128:A:LEU:HD13	1:129:A:ALA:H	19	0.33
(1,612)	1:118:A:TRP:HB2	1:119:A:ARG:HD2	8	0.33
(1,612)	1:118:A:TRP:HB2	1:119:A:ARG:HD3	8	0.33
(1,556)	1:110:A:VAL:HA	1:111:A:ASP:HB3	1	0.33
(1,556)	1:110:A:VAL:HA	1:111:A:ASP:HB3	5	0.33
(1,556)	1:110:A:VAL:HA	1:111:A:ASP:HB3	6	0.33
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD1	14	0.33
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD2	14	0.33
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD1	14	0.33
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD2	14	0.33
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD1	14	0.33
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD2	14	0.33
(1,513)	1:103:A:LYS:HB2	1:104:A:ALA:H	10	0.33
(1,475)	1:251:B:ASN:HB3	1:251:B:ASN:HD22	2	0.33
(1,475)	1:251:B:ASN:HB3	1:251:B:ASN:HD22	4	0.33
(1,475)	1:251:B:ASN:HB3	1:251:B:ASN:HD22	5	0.33
(1,475)	1:251:B:ASN:HB3	1:251:B:ASN:HD22	6	0.33
(1,475)	1:251:B:ASN:HB3	1:251:B:ASN:HD22	8	0.33
(1,475)	1:251:B:ASN:HB3	1:251:B:ASN:HD22	14	0.33
(1,475)	1:251:B:ASN:HB3	1:251:B:ASN:HD22	15	0.33
(1,475)	1:251:B:ASN:HB3	1:251:B:ASN:HD22	17	0.33
(1,273)	1:207:B:GLU:H	1:207:B:GLU:HG2	11	0.33
(1,223)	1:151:A:ASN:HB3	1:151:A:ASN:HD22	2	0.33
(1,223)	1:151:A:ASN:HB3	1:151:A:ASN:HD22	4	0.33
(1,223)	1:151:A:ASN:HB3	1:151:A:ASN:HD22	6	0.33
(1,223)	1:151:A:ASN:HB3	1:151:A:ASN:HD22	10	0.33
(1,223)	1:151:A:ASN:HB3	1:151:A:ASN:HD22	11	0.33
(1,223)	1:151:A:ASN:HB3	1:151:A:ASN:HD22	13	0.33
(1,223)	1:151:A:ASN:HB3	1:151:A:ASN:HD22	14	0.33
(1,223)	1:151:A:ASN:HB3	1:151:A:ASN:HD22	16	0.33
(1,223)	1:151:A:ASN:HB3	1:151:A:ASN:HD22	17	0.33
(1,223)	1:151:A:ASN:HB3	1:151:A:ASN:HD22	19	0.33
(1,223)	1:151:A:ASN:HB3	1:151:A:ASN:HD22	20	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9)	1:103:A:LYS:H	1:103:A:LYS:HG3	12	0.33
(1,9)	1:103:A:LYS:H	1:103:A:LYS:HG3	14	0.33
(1,2)	1:103:A:LYS:HA	1:103:A:LYS:HG3	19	0.33
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG21	11	0.32
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG22	11	0.32
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG23	11	0.32
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG11	9	0.32
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG12	9	0.32
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG13	9	0.32
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG11	9	0.32
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG12	9	0.32
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG13	9	0.32
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG11	9	0.32
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG12	9	0.32
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG13	9	0.32
(1,2064)	1:105:A:HIS:HB3	1:256:B:ASP:HB2	6	0.32
(1,2064)	1:105:A:HIS:HB3	1:256:B:ASP:HB3	6	0.32
(1,2032)	1:248:B:VAL:HG21	1:253:B:PRO:HD2	1	0.32
(1,2032)	1:248:B:VAL:HG22	1:253:B:PRO:HD2	1	0.32
(1,2032)	1:248:B:VAL:HG23	1:253:B:PRO:HD2	1	0.32
(1,1980)	1:219:B:ARG:HG2	1:231:B:SER:H	16	0.32
(1,1980)	1:219:B:ARG:HG3	1:231:B:SER:H	16	0.32
(1,1790)	1:148:A:VAL:HG21	1:153:A:PRO:HD2	1	0.32
(1,1790)	1:148:A:VAL:HG22	1:153:A:PRO:HD2	1	0.32
(1,1790)	1:148:A:VAL:HG23	1:153:A:PRO:HD2	1	0.32
(1,1790)	1:148:A:VAL:HG21	1:153:A:PRO:HD2	10	0.32
(1,1790)	1:148:A:VAL:HG22	1:153:A:PRO:HD2	10	0.32
(1,1790)	1:148:A:VAL:HG23	1:153:A:PRO:HD2	10	0.32
(1,1705)	1:118:A:TRP:HD1	1:142:A:LYS:HG3	1	0.32
(1,1515)	1:247:B:SER:HB3	1:249:B:LYS:H	1	0.32
(1,1409)	1:224:B:ASN:HD22	1:228:B:LEU:HD21	5	0.32
(1,1409)	1:224:B:ASN:HD22	1:228:B:LEU:HD22	5	0.32
(1,1409)	1:224:B:ASN:HD22	1:228:B:LEU:HD23	5	0.32
(1,1393)	1:222:B:HIS:HB2	1:226:B:ASN:HB2	4	0.32
(1,1393)	1:222:B:HIS:HB2	1:226:B:ASN:HB2	7	0.32
(1,1393)	1:222:B:HIS:HB2	1:226:B:ASN:HB2	17	0.32
(1,1393)	1:222:B:HIS:HB2	1:226:B:ASN:HB2	19	0.32
(1,1393)	1:222:B:HIS:HB2	1:226:B:ASN:HB2	20	0.32
(1,1352)	1:210:B:VAL:HG11	1:214:B:ASP:HB2	10	0.32
(1,1352)	1:210:B:VAL:HG12	1:214:B:ASP:HB2	10	0.32
(1,1352)	1:210:B:VAL:HG13	1:214:B:ASP:HB2	10	0.32
(1,1352)	1:210:B:VAL:HG11	1:214:B:ASP:HB2	11	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1352)	1:210:B:VAL:HG12	1:214:B:ASP:HB2	11	0.32
(1,1352)	1:210:B:VAL:HG13	1:214:B:ASP:HB2	11	0.32
(1,1317)	1:148:A:VAL:HG11	1:151:A:ASN:HD21	2	0.32
(1,1317)	1:148:A:VAL:HG12	1:151:A:ASN:HD21	2	0.32
(1,1317)	1:148:A:VAL:HG13	1:151:A:ASN:HD21	2	0.32
(1,1309)	1:147:A:SER:HB3	1:149:A:LYS:H	19	0.32
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG21	12	0.32
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG22	12	0.32
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG23	12	0.32
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG21	12	0.32
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG22	12	0.32
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG23	12	0.32
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG21	12	0.32
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG22	12	0.32
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG23	12	0.32
(1,1203)	1:124:A:ASN:HD22	1:128:A:LEU:HD21	16	0.32
(1,1203)	1:124:A:ASN:HD22	1:128:A:LEU:HD22	16	0.32
(1,1203)	1:124:A:ASN:HD22	1:128:A:LEU:HD23	16	0.32
(1,1187)	1:122:A:HIS:HB2	1:126:A:ASN:HB2	14	0.32
(1,980)	1:228:B:LEU:HD11	1:229:B:ALA:H	15	0.32
(1,980)	1:228:B:LEU:HD12	1:229:B:ALA:H	15	0.32
(1,980)	1:228:B:LEU:HD13	1:229:B:ALA:H	15	0.32
(1,980)	1:228:B:LEU:HD11	1:229:B:ALA:H	19	0.32
(1,980)	1:228:B:LEU:HD12	1:229:B:ALA:H	19	0.32
(1,980)	1:228:B:LEU:HD13	1:229:B:ALA:H	19	0.32
(1,963)	1:225:B:GLY:HA3	1:226:B:ASN:H	1	0.32
(1,963)	1:225:B:GLY:HA3	1:226:B:ASN:H	6	0.32
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD1	16	0.32
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD2	16	0.32
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD1	16	0.32
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD2	16	0.32
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD1	16	0.32
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD2	16	0.32
(1,829)	1:203:B:LYS:HB2	1:204:B:ALA:H	11	0.32
(1,664)	1:128:A:LEU:HD11	1:129:A:ALA:H	7	0.32
(1,664)	1:128:A:LEU:HD12	1:129:A:ALA:H	7	0.32
(1,664)	1:128:A:LEU:HD13	1:129:A:ALA:H	7	0.32
(1,647)	1:125:A:GLY:HA3	1:126:A:ASN:H	10	0.32
(1,647)	1:125:A:GLY:HA3	1:126:A:ASN:H	13	0.32
(1,647)	1:125:A:GLY:HA3	1:126:A:ASN:H	17	0.32
(1,556)	1:110:A:VAL:HA	1:111:A:ASP:HB3	7	0.32
(1,556)	1:110:A:VAL:HA	1:111:A:ASP:HB3	20	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG21	3	0.32
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG22	3	0.32
(1,551)	1:109:A:PHE:HD1	1:110:A:VAL:HG23	3	0.32
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG21	3	0.32
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG22	3	0.32
(1,551)	1:109:A:PHE:HD2	1:110:A:VAL:HG23	3	0.32
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD1	20	0.32
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD2	20	0.32
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD1	20	0.32
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD2	20	0.32
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD1	20	0.32
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD2	20	0.32
(1,513)	1:103:A:LYS:HB2	1:104:A:ALA:H	20	0.32
(1,475)	1:251:B:ASN:HB3	1:251:B:ASN:HD22	10	0.32
(1,475)	1:251:B:ASN:HB3	1:251:B:ASN:HD22	16	0.32
(1,475)	1:251:B:ASN:HB3	1:251:B:ASN:HD22	18	0.32
(1,475)	1:251:B:ASN:HB3	1:251:B:ASN:HD22	19	0.32
(1,273)	1:207:B:GLU:H	1:207:B:GLU:HG2	5	0.32
(1,273)	1:207:B:GLU:H	1:207:B:GLU:HG2	8	0.32
(1,273)	1:207:B:GLU:H	1:207:B:GLU:HG2	16	0.32
(1,273)	1:207:B:GLU:H	1:207:B:GLU:HG2	19	0.32
(1,254)	1:203:B:LYS:HA	1:203:B:LYS:HG3	9	0.32
(1,223)	1:151:A:ASN:HB3	1:151:A:ASN:HD22	1	0.32
(1,223)	1:151:A:ASN:HB3	1:151:A:ASN:HD22	5	0.32
(1,223)	1:151:A:ASN:HB3	1:151:A:ASN:HD22	9	0.32
(1,21)	1:107:A:GLU:H	1:107:A:GLU:HG2	3	0.32
(1,21)	1:107:A:GLU:H	1:107:A:GLU:HG2	4	0.32
(1,4)	1:103:A:LYS:HB2	1:103:A:LYS:HE2	16	0.32
(1,4)	1:103:A:LYS:HB2	1:103:A:LYS:HE3	16	0.32
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG21	17	0.31
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG22	17	0.31
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG23	17	0.31
(1,2281)	1:156:A:ASP:HB2	1:205:B:HIS:HB3	4	0.31
(1,2281)	1:156:A:ASP:HB3	1:205:B:HIS:HB3	4	0.31
(1,2281)	1:156:A:ASP:HB2	1:205:B:HIS:HB3	17	0.31
(1,2281)	1:156:A:ASP:HB3	1:205:B:HIS:HB3	17	0.31
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB1	1	0.31
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB2	1	0.31
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB3	1	0.31
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB1	1	0.31
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB2	1	0.31
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB3	1	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB1	1	0.31
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB2	1	0.31
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB3	1	0.31
(1,2107)	1:108:A:VAL:HG21	1:260:B:ALA:H	4	0.31
(1,2107)	1:108:A:VAL:HG22	1:260:B:ALA:H	4	0.31
(1,2107)	1:108:A:VAL:HG23	1:260:B:ALA:H	4	0.31
(1,2102)	1:107:A:GLU:HG3	1:258:B:ILE:HB	13	0.31
(1,2064)	1:105:A:HIS:HB3	1:256:B:ASP:HB2	14	0.31
(1,2064)	1:105:A:HIS:HB3	1:256:B:ASP:HB3	14	0.31
(1,1977)	1:219:B:ARG:HD2	1:230:B:ASP:HB3	10	0.31
(1,1977)	1:219:B:ARG:HD3	1:230:B:ASP:HB3	10	0.31
(1,1661)	1:115:A:LYS:HB3	1:134:A:GLY:HA3	4	0.31
(1,1515)	1:247:B:SER:HB3	1:249:B:LYS:H	3	0.31
(1,1393)	1:222:B:HIS:HB2	1:226:B:ASN:HB2	6	0.31
(1,1393)	1:222:B:HIS:HB2	1:226:B:ASN:HB2	8	0.31
(1,1393)	1:222:B:HIS:HB2	1:226:B:ASN:HB2	10	0.31
(1,1393)	1:222:B:HIS:HB2	1:226:B:ASN:HB2	14	0.31
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG21	7	0.31
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG22	7	0.31
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG23	7	0.31
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG21	7	0.31
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG22	7	0.31
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG23	7	0.31
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG21	7	0.31
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG22	7	0.31
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG23	7	0.31
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG21	16	0.31
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG22	16	0.31
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG23	16	0.31
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG21	16	0.31
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG22	16	0.31
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG23	16	0.31
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG21	16	0.31
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG22	16	0.31
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG23	16	0.31
(1,1187)	1:122:A:HIS:HB2	1:126:A:ASN:HB2	11	0.31
(1,1187)	1:122:A:HIS:HB2	1:126:A:ASN:HB2	12	0.31
(1,1187)	1:122:A:HIS:HB2	1:126:A:ASN:HB2	19	0.31
(1,1146)	1:110:A:VAL:HG11	1:114:A:ASP:HB2	11	0.31
(1,1146)	1:110:A:VAL:HG12	1:114:A:ASP:HB2	11	0.31
(1,1146)	1:110:A:VAL:HG13	1:114:A:ASP:HB2	11	0.31
(1,1146)	1:110:A:VAL:HG11	1:114:A:ASP:HB2	13	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1146)	1:110:A:VAL:HG12	1:114:A:ASP:HB2	13	0.31
(1,1146)	1:110:A:VAL:HG13	1:114:A:ASP:HB2	13	0.31
(1,980)	1:228:B:LEU:HD11	1:229:B:ALA:H	14	0.31
(1,980)	1:228:B:LEU:HD12	1:229:B:ALA:H	14	0.31
(1,980)	1:228:B:LEU:HD13	1:229:B:ALA:H	14	0.31
(1,963)	1:225:B:GLY:HA3	1:226:B:ASN:H	3	0.31
(1,963)	1:225:B:GLY:HA3	1:226:B:ASN:H	5	0.31
(1,963)	1:225:B:GLY:HA3	1:226:B:ASN:H	7	0.31
(1,963)	1:225:B:GLY:HA3	1:226:B:ASN:H	12	0.31
(1,963)	1:225:B:GLY:HA3	1:226:B:ASN:H	13	0.31
(1,963)	1:225:B:GLY:HA3	1:226:B:ASN:H	18	0.31
(1,872)	1:210:B:VAL:HA	1:211:B:ASP:HB3	2	0.31
(1,872)	1:210:B:VAL:HA	1:211:B:ASP:HB3	20	0.31
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD1	4	0.31
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD2	4	0.31
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD1	4	0.31
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD2	4	0.31
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD1	4	0.31
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD2	4	0.31
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD1	18	0.31
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD2	18	0.31
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD1	18	0.31
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD2	18	0.31
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD1	18	0.31
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD2	18	0.31
(1,664)	1:128:A:LEU:HD11	1:129:A:ALA:H	8	0.31
(1,664)	1:128:A:LEU:HD12	1:129:A:ALA:H	8	0.31
(1,664)	1:128:A:LEU:HD13	1:129:A:ALA:H	8	0.31
(1,647)	1:125:A:GLY:HA3	1:126:A:ASN:H	4	0.31
(1,626)	1:120:A:LEU:HB2	1:121:A:VAL:H	14	0.31
(1,556)	1:110:A:VAL:HA	1:111:A:ASP:HB3	9	0.31
(1,556)	1:110:A:VAL:HA	1:111:A:ASP:HB3	12	0.31
(1,556)	1:110:A:VAL:HA	1:111:A:ASP:HB3	15	0.31
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD1	3	0.31
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD2	3	0.31
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD1	3	0.31
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD2	3	0.31
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD1	3	0.31
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD2	3	0.31
(1,273)	1:207:B:GLU:H	1:207:B:GLU:HG2	4	0.31
(1,273)	1:207:B:GLU:H	1:207:B:GLU:HG2	9	0.31
(1,273)	1:207:B:GLU:H	1:207:B:GLU:HG2	14	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,273)	1:207:B:GLU:H	1:207:B:GLU:HG2	15	0.31
(1,261)	1:203:B:LYS:H	1:203:B:LYS:HG3	13	0.31
(1,254)	1:203:B:LYS:HA	1:203:B:LYS:HG3	3	0.31
(1,21)	1:107:A:GLU:H	1:107:A:GLU:HG2	10	0.31
(1,21)	1:107:A:GLU:H	1:107:A:GLU:HG2	13	0.31
(1,21)	1:107:A:GLU:H	1:107:A:GLU:HG2	16	0.31
(1,2)	1:103:A:LYS:HA	1:103:A:LYS:HG3	18	0.31
(1,1)	1:103:A:LYS:HA	1:103:A:LYS:HD2	10	0.31
(1,1)	1:103:A:LYS:HA	1:103:A:LYS:HD3	10	0.31
(1,2311)	1:158:A:ILE:HB	1:207:B:GLU:HG3	9	0.3
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG11	3	0.3
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG12	3	0.3
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG13	3	0.3
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG11	3	0.3
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG12	3	0.3
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG13	3	0.3
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG11	3	0.3
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG12	3	0.3
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG13	3	0.3
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG11	4	0.3
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG12	4	0.3
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG13	4	0.3
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG11	4	0.3
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG12	4	0.3
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG13	4	0.3
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG11	4	0.3
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG12	4	0.3
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG13	4	0.3
(1,2107)	1:108:A:VAL:HG21	1:260:B:ALA:H	8	0.3
(1,2107)	1:108:A:VAL:HG22	1:260:B:ALA:H	8	0.3
(1,2107)	1:108:A:VAL:HG23	1:260:B:ALA:H	8	0.3
(1,2107)	1:108:A:VAL:HG21	1:260:B:ALA:H	10	0.3
(1,2107)	1:108:A:VAL:HG22	1:260:B:ALA:H	10	0.3
(1,2107)	1:108:A:VAL:HG23	1:260:B:ALA:H	10	0.3
(1,2032)	1:248:B:VAL:HG21	1:253:B:PRO:HD2	5	0.3
(1,2032)	1:248:B:VAL:HG22	1:253:B:PRO:HD2	5	0.3
(1,2032)	1:248:B:VAL:HG23	1:253:B:PRO:HD2	5	0.3
(1,1897)	1:210:B:VAL:HG11	1:216:B:TYR:H	7	0.3
(1,1897)	1:210:B:VAL:HG12	1:216:B:TYR:H	7	0.3
(1,1897)	1:210:B:VAL:HG13	1:216:B:TYR:H	7	0.3
(1,1790)	1:148:A:VAL:HG21	1:153:A:PRO:HD2	20	0.3
(1,1790)	1:148:A:VAL:HG22	1:153:A:PRO:HD2	20	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1790)	1:148:A:VAL:HG23	1:153:A:PRO:HD2	20	0.3
(1,1655)	1:110:A:VAL:HG11	1:116:A:TYR:H	8	0.3
(1,1655)	1:110:A:VAL:HG12	1:116:A:TYR:H	8	0.3
(1,1655)	1:110:A:VAL:HG13	1:116:A:TYR:H	8	0.3
(1,1515)	1:247:B:SER:HB3	1:249:B:LYS:H	15	0.3
(1,1427)	1:231:B:SER:HB2	1:233:B:GLU:HB3	19	0.3
(1,1427)	1:231:B:SER:HB3	1:233:B:GLU:HB3	19	0.3
(1,1393)	1:222:B:HIS:HB2	1:226:B:ASN:HB2	2	0.3
(1,1393)	1:222:B:HIS:HB2	1:226:B:ASN:HB2	9	0.3
(1,1393)	1:222:B:HIS:HB2	1:226:B:ASN:HB2	12	0.3
(1,1393)	1:222:B:HIS:HB2	1:226:B:ASN:HB2	13	0.3
(1,1393)	1:222:B:HIS:HB2	1:226:B:ASN:HB2	18	0.3
(1,1352)	1:210:B:VAL:HG11	1:214:B:ASP:HB2	16	0.3
(1,1352)	1:210:B:VAL:HG12	1:214:B:ASP:HB2	16	0.3
(1,1352)	1:210:B:VAL:HG13	1:214:B:ASP:HB2	16	0.3
(1,1352)	1:210:B:VAL:HG11	1:214:B:ASP:HB2	19	0.3
(1,1352)	1:210:B:VAL:HG12	1:214:B:ASP:HB2	19	0.3
(1,1352)	1:210:B:VAL:HG13	1:214:B:ASP:HB2	19	0.3
(1,1309)	1:147:A:SER:HB3	1:149:A:LYS:H	2	0.3
(1,1309)	1:147:A:SER:HB3	1:149:A:LYS:H	18	0.3
(1,1199)	1:124:A:ASN:HD21	1:126:A:ASN:HD21	3	0.3
(1,1187)	1:122:A:HIS:HB2	1:126:A:ASN:HB2	3	0.3
(1,1187)	1:122:A:HIS:HB2	1:126:A:ASN:HB2	9	0.3
(1,1187)	1:122:A:HIS:HB2	1:126:A:ASN:HB2	16	0.3
(1,1187)	1:122:A:HIS:HB2	1:126:A:ASN:HB2	20	0.3
(1,1146)	1:110:A:VAL:HG11	1:114:A:ASP:HB2	5	0.3
(1,1146)	1:110:A:VAL:HG12	1:114:A:ASP:HB2	5	0.3
(1,1146)	1:110:A:VAL:HG13	1:114:A:ASP:HB2	5	0.3
(1,1023)	1:238:B:LYS:H	1:239:B:GLN:HB2	3	0.3
(1,963)	1:225:B:GLY:HA3	1:226:B:ASN:H	4	0.3
(1,963)	1:225:B:GLY:HA3	1:226:B:ASN:H	11	0.3
(1,963)	1:225:B:GLY:HA3	1:226:B:ASN:H	15	0.3
(1,963)	1:225:B:GLY:HA3	1:226:B:ASN:H	16	0.3
(1,963)	1:225:B:GLY:HA3	1:226:B:ASN:H	17	0.3
(1,963)	1:225:B:GLY:HA3	1:226:B:ASN:H	20	0.3
(1,942)	1:220:B:LEU:HB2	1:221:B:VAL:H	13	0.3
(1,942)	1:220:B:LEU:HB2	1:221:B:VAL:H	14	0.3
(1,942)	1:220:B:LEU:HB2	1:221:B:VAL:H	17	0.3
(1,928)	1:218:B:TRP:HB2	1:219:B:ARG:HD2	9	0.3
(1,928)	1:218:B:TRP:HB2	1:219:B:ARG:HD3	9	0.3
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD1	19	0.3
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD2	19	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD1	19	0.3
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD2	19	0.3
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD1	19	0.3
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD2	19	0.3
(1,647)	1:125:A:GLY:HA3	1:126:A:ASN:H	1	0.3
(1,647)	1:125:A:GLY:HA3	1:126:A:ASN:H	6	0.3
(1,647)	1:125:A:GLY:HA3	1:126:A:ASN:H	8	0.3
(1,647)	1:125:A:GLY:HA3	1:126:A:ASN:H	12	0.3
(1,647)	1:125:A:GLY:HA3	1:126:A:ASN:H	14	0.3
(1,647)	1:125:A:GLY:HA3	1:126:A:ASN:H	16	0.3
(1,647)	1:125:A:GLY:HA3	1:126:A:ASN:H	18	0.3
(1,647)	1:125:A:GLY:HA3	1:126:A:ASN:H	19	0.3
(1,626)	1:120:A:LEU:HB2	1:121:A:VAL:H	1	0.3
(1,626)	1:120:A:LEU:HB2	1:121:A:VAL:H	7	0.3
(1,626)	1:120:A:LEU:HB2	1:121:A:VAL:H	12	0.3
(1,626)	1:120:A:LEU:HB2	1:121:A:VAL:H	15	0.3
(1,582)	1:114:A:ASP:HA	1:115:A:LYS:HE2	13	0.3
(1,582)	1:114:A:ASP:HA	1:115:A:LYS:HE3	13	0.3
(1,556)	1:110:A:VAL:HA	1:111:A:ASP:HB3	2	0.3
(1,556)	1:110:A:VAL:HA	1:111:A:ASP:HB3	3	0.3
(1,556)	1:110:A:VAL:HA	1:111:A:ASP:HB3	13	0.3
(1,556)	1:110:A:VAL:HA	1:111:A:ASP:HB3	17	0.3
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD1	2	0.3
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD2	2	0.3
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD1	2	0.3
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD2	2	0.3
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD1	2	0.3
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD2	2	0.3
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD1	17	0.3
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD2	17	0.3
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD1	17	0.3
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD2	17	0.3
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD1	17	0.3
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD2	17	0.3
(1,474)	1:251:B:ASN:HB3	1:251:B:ASN:HD21	9	0.3
(1,273)	1:207:B:GLU:H	1:207:B:GLU:HG2	1	0.3
(1,273)	1:207:B:GLU:H	1:207:B:GLU:HG2	10	0.3
(1,273)	1:207:B:GLU:H	1:207:B:GLU:HG2	13	0.3
(1,273)	1:207:B:GLU:H	1:207:B:GLU:HG2	17	0.3
(1,261)	1:203:B:LYS:H	1:203:B:LYS:HG3	1	0.3
(1,254)	1:203:B:LYS:HA	1:203:B:LYS:HG3	5	0.3
(1,253)	1:203:B:LYS:HA	1:203:B:LYS:HD2	14	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,253)	1:203:B:LYS:HA	1:203:B:LYS:HD3	14	0.3
(1,222)	1:151:A:ASN:HB3	1:151:A:ASN:HD21	7	0.3
(1,222)	1:151:A:ASN:HB3	1:151:A:ASN:HD21	8	0.3
(1,222)	1:151:A:ASN:HB3	1:151:A:ASN:HD21	18	0.3
(1,143)	1:138:A:LYS:H	1:138:A:LYS:HD2	5	0.3
(1,143)	1:138:A:LYS:H	1:138:A:LYS:HD3	5	0.3
(1,90)	1:124:A:ASN:HA	1:124:A:ASN:HD22	20	0.3
(1,21)	1:107:A:GLU:H	1:107:A:GLU:HG2	7	0.3
(1,21)	1:107:A:GLU:H	1:107:A:GLU:HG2	14	0.3
(1,4)	1:103:A:LYS:HB2	1:103:A:LYS:HE2	2	0.3
(1,4)	1:103:A:LYS:HB2	1:103:A:LYS:HE3	2	0.3
(1,2067)	1:105:A:HIS:HD2	1:258:B:ILE:HB	1	0.29
(1,2064)	1:105:A:HIS:HB3	1:256:B:ASP:HB2	1	0.29
(1,2064)	1:105:A:HIS:HB3	1:256:B:ASP:HB3	1	0.29
(1,2064)	1:105:A:HIS:HB3	1:256:B:ASP:HB2	7	0.29
(1,2064)	1:105:A:HIS:HB3	1:256:B:ASP:HB3	7	0.29
(1,2032)	1:248:B:VAL:HG21	1:253:B:PRO:HD2	7	0.29
(1,2032)	1:248:B:VAL:HG22	1:253:B:PRO:HD2	7	0.29
(1,2032)	1:248:B:VAL:HG23	1:253:B:PRO:HD2	7	0.29
(1,2032)	1:248:B:VAL:HG21	1:253:B:PRO:HD2	11	0.29
(1,2032)	1:248:B:VAL:HG22	1:253:B:PRO:HD2	11	0.29
(1,2032)	1:248:B:VAL:HG23	1:253:B:PRO:HD2	11	0.29
(1,1897)	1:210:B:VAL:HG11	1:216:B:TYR:H	11	0.29
(1,1897)	1:210:B:VAL:HG12	1:216:B:TYR:H	11	0.29
(1,1897)	1:210:B:VAL:HG13	1:216:B:TYR:H	11	0.29
(1,1790)	1:148:A:VAL:HG21	1:153:A:PRO:HD2	13	0.29
(1,1790)	1:148:A:VAL:HG22	1:153:A:PRO:HD2	13	0.29
(1,1790)	1:148:A:VAL:HG23	1:153:A:PRO:HD2	13	0.29
(1,1515)	1:247:B:SER:HB3	1:249:B:LYS:H	9	0.29
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG21	20	0.29
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG22	20	0.29
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG23	20	0.29
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG21	20	0.29
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG22	20	0.29
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG23	20	0.29
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG21	20	0.29
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG22	20	0.29
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG23	20	0.29
(1,1410)	1:224:B:ASN:H	1:226:B:ASN:HD21	12	0.29
(1,1393)	1:222:B:HIS:HB2	1:226:B:ASN:HB2	15	0.29
(1,1204)	1:124:A:ASN:H	1:126:A:ASN:HD21	9	0.29
(1,1199)	1:124:A:ASN:HD21	1:126:A:ASN:HD21	5	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1187)	1:122:A:HIS:HB2	1:126:A:ASN:HB2	2	0.29
(1,1187)	1:122:A:HIS:HB2	1:126:A:ASN:HB2	7	0.29
(1,1187)	1:122:A:HIS:HB2	1:126:A:ASN:HB2	8	0.29
(1,1187)	1:122:A:HIS:HB2	1:126:A:ASN:HB2	18	0.29
(1,1146)	1:110:A:VAL:HG11	1:114:A:ASP:HB2	14	0.29
(1,1146)	1:110:A:VAL:HG12	1:114:A:ASP:HB2	14	0.29
(1,1146)	1:110:A:VAL:HG13	1:114:A:ASP:HB2	14	0.29
(1,1146)	1:110:A:VAL:HG11	1:114:A:ASP:HB2	16	0.29
(1,1146)	1:110:A:VAL:HG12	1:114:A:ASP:HB2	16	0.29
(1,1146)	1:110:A:VAL:HG13	1:114:A:ASP:HB2	16	0.29
(1,963)	1:225:B:GLY:HA3	1:226:B:ASN:H	2	0.29
(1,963)	1:225:B:GLY:HA3	1:226:B:ASN:H	8	0.29
(1,963)	1:225:B:GLY:HA3	1:226:B:ASN:H	9	0.29
(1,963)	1:225:B:GLY:HA3	1:226:B:ASN:H	10	0.29
(1,963)	1:225:B:GLY:HA3	1:226:B:ASN:H	14	0.29
(1,963)	1:225:B:GLY:HA3	1:226:B:ASN:H	19	0.29
(1,942)	1:220:B:LEU:HB2	1:221:B:VAL:H	1	0.29
(1,942)	1:220:B:LEU:HB2	1:221:B:VAL:H	2	0.29
(1,942)	1:220:B:LEU:HB2	1:221:B:VAL:H	6	0.29
(1,942)	1:220:B:LEU:HB2	1:221:B:VAL:H	7	0.29
(1,942)	1:220:B:LEU:HB2	1:221:B:VAL:H	11	0.29
(1,942)	1:220:B:LEU:HB2	1:221:B:VAL:H	12	0.29
(1,942)	1:220:B:LEU:HB2	1:221:B:VAL:H	15	0.29
(1,942)	1:220:B:LEU:HB2	1:221:B:VAL:H	16	0.29
(1,872)	1:210:B:VAL:HA	1:211:B:ASP:HB3	4	0.29
(1,872)	1:210:B:VAL:HA	1:211:B:ASP:HB3	14	0.29
(1,872)	1:210:B:VAL:HA	1:211:B:ASP:HB3	18	0.29
(1,729)	1:142:A:LYS:HE2	1:143:A:GLN:HE21	15	0.29
(1,647)	1:125:A:GLY:HA3	1:126:A:ASN:H	7	0.29
(1,647)	1:125:A:GLY:HA3	1:126:A:ASN:H	9	0.29
(1,647)	1:125:A:GLY:HA3	1:126:A:ASN:H	11	0.29
(1,647)	1:125:A:GLY:HA3	1:126:A:ASN:H	15	0.29
(1,647)	1:125:A:GLY:HA3	1:126:A:ASN:H	20	0.29
(1,626)	1:120:A:LEU:HB2	1:121:A:VAL:H	13	0.29
(1,626)	1:120:A:LEU:HB2	1:121:A:VAL:H	17	0.29
(1,626)	1:120:A:LEU:HB2	1:121:A:VAL:H	19	0.29
(1,612)	1:118:A:TRP:HB2	1:119:A:ARG:HD2	3	0.29
(1,612)	1:118:A:TRP:HB2	1:119:A:ARG:HD3	3	0.29
(1,556)	1:110:A:VAL:HA	1:111:A:ASP:HB3	11	0.29
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD1	7	0.29
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD2	7	0.29
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD1	7	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD2	7	0.29
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD1	7	0.29
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD2	7	0.29
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD1	11	0.29
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD2	11	0.29
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD1	11	0.29
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD2	11	0.29
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD1	11	0.29
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD2	11	0.29
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD1	15	0.29
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD2	15	0.29
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD1	15	0.29
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD2	15	0.29
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD1	15	0.29
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD2	15	0.29
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD1	19	0.29
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD2	19	0.29
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD1	19	0.29
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD2	19	0.29
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD1	19	0.29
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD2	19	0.29
(1,474)	1:251:B:ASN:HB3	1:251:B:ASN:HD21	1	0.29
(1,474)	1:251:B:ASN:HB3	1:251:B:ASN:HD21	3	0.29
(1,474)	1:251:B:ASN:HB3	1:251:B:ASN:HD21	6	0.29
(1,474)	1:251:B:ASN:HB3	1:251:B:ASN:HD21	7	0.29
(1,474)	1:251:B:ASN:HB3	1:251:B:ASN:HD21	8	0.29
(1,474)	1:251:B:ASN:HB3	1:251:B:ASN:HD21	11	0.29
(1,474)	1:251:B:ASN:HB3	1:251:B:ASN:HD21	12	0.29
(1,474)	1:251:B:ASN:HB3	1:251:B:ASN:HD21	15	0.29
(1,474)	1:251:B:ASN:HB3	1:251:B:ASN:HD21	20	0.29
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG11	11	0.29
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG12	11	0.29
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG13	11	0.29
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG11	19	0.29
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG12	19	0.29
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG13	19	0.29
(1,273)	1:207:B:GLU:H	1:207:B:GLU:HG2	3	0.29
(1,273)	1:207:B:GLU:H	1:207:B:GLU:HG2	18	0.29
(1,254)	1:203:B:LYS:HA	1:203:B:LYS:HG3	19	0.29
(1,247)	1:159:A:GLU:H	1:159:A:GLU:HB3	20	0.29
(1,222)	1:151:A:ASN:HB3	1:151:A:ASN:HD21	13	0.29
(1,222)	1:151:A:ASN:HB3	1:151:A:ASN:HD21	20	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG11	3	0.29
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG12	3	0.29
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG13	3	0.29
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG11	15	0.29
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG12	15	0.29
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG13	15	0.29
(1,21)	1:107:A:GLU:H	1:107:A:GLU:HG2	1	0.29
(1,21)	1:107:A:GLU:H	1:107:A:GLU:HG2	2	0.29
(1,21)	1:107:A:GLU:H	1:107:A:GLU:HG2	6	0.29
(1,21)	1:107:A:GLU:H	1:107:A:GLU:HG2	8	0.29
(1,21)	1:107:A:GLU:H	1:107:A:GLU:HG2	12	0.29
(1,1)	1:103:A:LYS:HA	1:103:A:LYS:HD2	11	0.29
(1,1)	1:103:A:LYS:HA	1:103:A:LYS:HD3	11	0.29
(1,2304)	1:157:A:VAL:HG21	1:242:B:LYS:HB2	19	0.28
(1,2304)	1:157:A:VAL:HG22	1:242:B:LYS:HB2	19	0.28
(1,2304)	1:157:A:VAL:HG23	1:242:B:LYS:HB2	19	0.28
(1,2281)	1:156:A:ASP:HB2	1:205:B:HIS:HB3	8	0.28
(1,2281)	1:156:A:ASP:HB3	1:205:B:HIS:HB3	8	0.28
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG11	8	0.28
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG12	8	0.28
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG13	8	0.28
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG11	8	0.28
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG12	8	0.28
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG13	8	0.28
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG11	8	0.28
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG12	8	0.28
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG13	8	0.28
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG11	18	0.28
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG12	18	0.28
(1,2157)	1:129:A:ALA:HB1	1:248:B:VAL:HG13	18	0.28
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG11	18	0.28
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG12	18	0.28
(1,2157)	1:129:A:ALA:HB2	1:248:B:VAL:HG13	18	0.28
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG11	18	0.28
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG12	18	0.28
(1,2157)	1:129:A:ALA:HB3	1:248:B:VAL:HG13	18	0.28
(1,2107)	1:108:A:VAL:HG21	1:260:B:ALA:H	3	0.28
(1,2107)	1:108:A:VAL:HG22	1:260:B:ALA:H	3	0.28
(1,2107)	1:108:A:VAL:HG23	1:260:B:ALA:H	3	0.28
(1,2064)	1:105:A:HIS:HB3	1:256:B:ASP:HB2	20	0.28
(1,2064)	1:105:A:HIS:HB3	1:256:B:ASP:HB3	20	0.28
(1,2032)	1:248:B:VAL:HG21	1:253:B:PRO:HD2	16	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2032)	1:248:B:VAL:HG22	1:253:B:PRO:HD2	16	0.28
(1,2032)	1:248:B:VAL:HG23	1:253:B:PRO:HD2	16	0.28
(1,2032)	1:248:B:VAL:HG21	1:253:B:PRO:HD2	17	0.28
(1,2032)	1:248:B:VAL:HG22	1:253:B:PRO:HD2	17	0.28
(1,2032)	1:248:B:VAL:HG23	1:253:B:PRO:HD2	17	0.28
(1,2010)	1:221:B:VAL:HG11	1:226:B:ASN:HD22	16	0.28
(1,2010)	1:221:B:VAL:HG12	1:226:B:ASN:HD22	16	0.28
(1,2010)	1:221:B:VAL:HG13	1:226:B:ASN:HD22	16	0.28
(1,2010)	1:221:B:VAL:HG21	1:226:B:ASN:HD22	16	0.28
(1,2010)	1:221:B:VAL:HG22	1:226:B:ASN:HD22	16	0.28
(1,2010)	1:221:B:VAL:HG23	1:226:B:ASN:HD22	16	0.28
(1,1768)	1:121:A:VAL:HG11	1:126:A:ASN:HD22	8	0.28
(1,1768)	1:121:A:VAL:HG12	1:126:A:ASN:HD22	8	0.28
(1,1768)	1:121:A:VAL:HG13	1:126:A:ASN:HD22	8	0.28
(1,1768)	1:121:A:VAL:HG21	1:126:A:ASN:HD22	8	0.28
(1,1768)	1:121:A:VAL:HG22	1:126:A:ASN:HD22	8	0.28
(1,1768)	1:121:A:VAL:HG23	1:126:A:ASN:HD22	8	0.28
(1,1705)	1:118:A:TRP:HD1	1:142:A:LYS:HG3	5	0.28
(1,1655)	1:110:A:VAL:HG11	1:116:A:TYR:H	14	0.28
(1,1655)	1:110:A:VAL:HG12	1:116:A:TYR:H	14	0.28
(1,1655)	1:110:A:VAL:HG13	1:116:A:TYR:H	14	0.28
(1,1515)	1:247:B:SER:HB3	1:249:B:LYS:H	8	0.28
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG21	11	0.28
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG22	11	0.28
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG23	11	0.28
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG21	11	0.28
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG22	11	0.28
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG23	11	0.28
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG21	11	0.28
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG22	11	0.28
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG23	11	0.28
(1,1352)	1:210:B:VAL:HG11	1:214:B:ASP:HB2	7	0.28
(1,1352)	1:210:B:VAL:HG12	1:214:B:ASP:HB2	7	0.28
(1,1352)	1:210:B:VAL:HG13	1:214:B:ASP:HB2	7	0.28
(1,1352)	1:210:B:VAL:HG11	1:214:B:ASP:HB2	9	0.28
(1,1352)	1:210:B:VAL:HG12	1:214:B:ASP:HB2	9	0.28
(1,1352)	1:210:B:VAL:HG13	1:214:B:ASP:HB2	9	0.28
(1,1309)	1:147:A:SER:HB3	1:149:A:LYS:H	9	0.28
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG21	4	0.28
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG22	4	0.28
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG23	4	0.28
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG21	4	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG22	4	0.28
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG23	4	0.28
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG21	4	0.28
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG22	4	0.28
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG23	4	0.28
(1,1187)	1:122:A:HIS:HB2	1:126:A:ASN:HB2	4	0.28
(1,1187)	1:122:A:HIS:HB2	1:126:A:ASN:HB2	5	0.28
(1,1146)	1:110:A:VAL:HG11	1:114:A:ASP:HB2	2	0.28
(1,1146)	1:110:A:VAL:HG12	1:114:A:ASP:HB2	2	0.28
(1,1146)	1:110:A:VAL:HG13	1:114:A:ASP:HB2	2	0.28
(1,1146)	1:110:A:VAL:HG11	1:114:A:ASP:HB2	6	0.28
(1,1146)	1:110:A:VAL:HG12	1:114:A:ASP:HB2	6	0.28
(1,1146)	1:110:A:VAL:HG13	1:114:A:ASP:HB2	6	0.28
(1,1146)	1:110:A:VAL:HG11	1:114:A:ASP:HB2	7	0.28
(1,1146)	1:110:A:VAL:HG12	1:114:A:ASP:HB2	7	0.28
(1,1146)	1:110:A:VAL:HG13	1:114:A:ASP:HB2	7	0.28
(1,942)	1:220:B:LEU:HB2	1:221:B:VAL:H	9	0.28
(1,942)	1:220:B:LEU:HB2	1:221:B:VAL:H	10	0.28
(1,942)	1:220:B:LEU:HB2	1:221:B:VAL:H	18	0.28
(1,872)	1:210:B:VAL:HA	1:211:B:ASP:HB3	5	0.28
(1,872)	1:210:B:VAL:HA	1:211:B:ASP:HB3	9	0.28
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD1	5	0.28
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD2	5	0.28
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD1	5	0.28
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD2	5	0.28
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD1	5	0.28
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD2	5	0.28
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD1	8	0.28
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD2	8	0.28
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD1	8	0.28
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD2	8	0.28
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD1	8	0.28
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD2	8	0.28
(1,647)	1:125:A:GLY:HA3	1:126:A:ASN:H	2	0.28
(1,647)	1:125:A:GLY:HA3	1:126:A:ASN:H	5	0.28
(1,626)	1:120:A:LEU:HB2	1:121:A:VAL:H	5	0.28
(1,626)	1:120:A:LEU:HB2	1:121:A:VAL:H	10	0.28
(1,612)	1:118:A:TRP:HB2	1:119:A:ARG:HD2	9	0.28
(1,612)	1:118:A:TRP:HB2	1:119:A:ARG:HD3	9	0.28
(1,612)	1:118:A:TRP:HB2	1:119:A:ARG:HD2	15	0.28
(1,612)	1:118:A:TRP:HB2	1:119:A:ARG:HD3	15	0.28
(1,612)	1:118:A:TRP:HB2	1:119:A:ARG:HD2	18	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,612)	1:118:A:TRP:HB2	1:119:A:ARG:HD3	18	0.28
(1,601)	1:117:A:ARG:HG3	1:118:A:TRP:H	6	0.28
(1,556)	1:110:A:VAL:HA	1:111:A:ASP:HB3	14	0.28
(1,474)	1:251:B:ASN:HB3	1:251:B:ASN:HD21	5	0.28
(1,474)	1:251:B:ASN:HB3	1:251:B:ASN:HD21	13	0.28
(1,474)	1:251:B:ASN:HB3	1:251:B:ASN:HD21	14	0.28
(1,474)	1:251:B:ASN:HB3	1:251:B:ASN:HD21	18	0.28
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG11	1	0.28
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG12	1	0.28
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG13	1	0.28
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG11	4	0.28
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG12	4	0.28
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG13	4	0.28
(1,395)	1:238:B:LYS:H	1:238:B:LYS:HD2	5	0.28
(1,395)	1:238:B:LYS:H	1:238:B:LYS:HD3	5	0.28
(1,395)	1:238:B:LYS:H	1:238:B:LYS:HD2	6	0.28
(1,395)	1:238:B:LYS:H	1:238:B:LYS:HD3	6	0.28
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG11	13	0.28
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG12	13	0.28
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG13	13	0.28
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG11	16	0.28
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG12	16	0.28
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG13	16	0.28
(1,247)	1:159:A:GLU:H	1:159:A:GLU:HB3	1	0.28
(1,247)	1:159:A:GLU:H	1:159:A:GLU:HB3	3	0.28
(1,222)	1:151:A:ASN:HB3	1:151:A:ASN:HD21	2	0.28
(1,222)	1:151:A:ASN:HB3	1:151:A:ASN:HD21	3	0.28
(1,222)	1:151:A:ASN:HB3	1:151:A:ASN:HD21	6	0.28
(1,222)	1:151:A:ASN:HB3	1:151:A:ASN:HD21	12	0.28
(1,222)	1:151:A:ASN:HB3	1:151:A:ASN:HD21	15	0.28
(1,222)	1:151:A:ASN:HB3	1:151:A:ASN:HD21	16	0.28
(1,222)	1:151:A:ASN:HB3	1:151:A:ASN:HD21	19	0.28
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG11	2	0.28
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG12	2	0.28
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG13	2	0.28
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG11	18	0.28
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG12	18	0.28
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG13	18	0.28
(1,90)	1:124:A:ASN:HA	1:124:A:ASN:HD22	3	0.28
(1,90)	1:124:A:ASN:HA	1:124:A:ASN:HD22	18	0.28
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG11	2	0.28
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG12	2	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG13	2	0.28
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG11	10	0.28
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG12	10	0.28
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG13	10	0.28
(1,21)	1:107:A:GLU:H	1:107:A:GLU:HG2	5	0.28
(1,21)	1:107:A:GLU:H	1:107:A:GLU:HG2	11	0.28
(1,21)	1:107:A:GLU:H	1:107:A:GLU:HG2	15	0.28
(1,21)	1:107:A:GLU:H	1:107:A:GLU:HG2	18	0.28
(1,9)	1:103:A:LYS:H	1:103:A:LYS:HG3	4	0.28
(1,2)	1:103:A:LYS:HA	1:103:A:LYS:HG3	7	0.28
(1,1)	1:103:A:LYS:HA	1:103:A:LYS:HD2	17	0.28
(1,1)	1:103:A:LYS:HA	1:103:A:LYS:HD3	17	0.28
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG21	18	0.27
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG22	18	0.27
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG23	18	0.27
(1,2064)	1:105:A:HIS:HB3	1:256:B:ASP:HB2	9	0.27
(1,2064)	1:105:A:HIS:HB3	1:256:B:ASP:HB3	9	0.27
(1,2064)	1:105:A:HIS:HB3	1:256:B:ASP:HB2	15	0.27
(1,2064)	1:105:A:HIS:HB3	1:256:B:ASP:HB3	15	0.27
(1,2032)	1:248:B:VAL:HG21	1:253:B:PRO:HD2	4	0.27
(1,2032)	1:248:B:VAL:HG22	1:253:B:PRO:HD2	4	0.27
(1,2032)	1:248:B:VAL:HG23	1:253:B:PRO:HD2	4	0.27
(1,2032)	1:248:B:VAL:HG21	1:253:B:PRO:HD2	14	0.27
(1,2032)	1:248:B:VAL:HG22	1:253:B:PRO:HD2	14	0.27
(1,2032)	1:248:B:VAL:HG23	1:253:B:PRO:HD2	14	0.27
(1,2010)	1:221:B:VAL:HG11	1:226:B:ASN:HD22	7	0.27
(1,2010)	1:221:B:VAL:HG12	1:226:B:ASN:HD22	7	0.27
(1,2010)	1:221:B:VAL:HG13	1:226:B:ASN:HD22	7	0.27
(1,2010)	1:221:B:VAL:HG21	1:226:B:ASN:HD22	7	0.27
(1,2010)	1:221:B:VAL:HG22	1:226:B:ASN:HD22	7	0.27
(1,2010)	1:221:B:VAL:HG23	1:226:B:ASN:HD22	7	0.27
(1,2010)	1:221:B:VAL:HG11	1:226:B:ASN:HD22	14	0.27
(1,2010)	1:221:B:VAL:HG12	1:226:B:ASN:HD22	14	0.27
(1,2010)	1:221:B:VAL:HG13	1:226:B:ASN:HD22	14	0.27
(1,2010)	1:221:B:VAL:HG21	1:226:B:ASN:HD22	14	0.27
(1,2010)	1:221:B:VAL:HG22	1:226:B:ASN:HD22	14	0.27
(1,2010)	1:221:B:VAL:HG23	1:226:B:ASN:HD22	14	0.27
(1,1897)	1:210:B:VAL:HG11	1:216:B:TYR:H	10	0.27
(1,1897)	1:210:B:VAL:HG12	1:216:B:TYR:H	10	0.27
(1,1897)	1:210:B:VAL:HG13	1:216:B:TYR:H	10	0.27
(1,1790)	1:148:A:VAL:HG21	1:153:A:PRO:HD2	6	0.27
(1,1790)	1:148:A:VAL:HG22	1:153:A:PRO:HD2	6	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1790)	1:148:A:VAL:HG23	1:153:A:PRO:HD2	6	0.27
(1,1738)	1:119:A:ARG:HG2	1:131:A:SER:H	16	0.27
(1,1738)	1:119:A:ARG:HG3	1:131:A:SER:H	16	0.27
(1,1705)	1:118:A:TRP:HD1	1:142:A:LYS:HG3	4	0.27
(1,1655)	1:110:A:VAL:HG11	1:116:A:TYR:H	3	0.27
(1,1655)	1:110:A:VAL:HG12	1:116:A:TYR:H	3	0.27
(1,1655)	1:110:A:VAL:HG13	1:116:A:TYR:H	3	0.27
(1,1515)	1:247:B:SER:HB3	1:249:B:LYS:H	18	0.27
(1,1393)	1:222:B:HIS:HB2	1:226:B:ASN:HB2	5	0.27
(1,1191)	1:122:A:HIS:H	1:125:A:GLY:HA3	10	0.27
(1,1023)	1:238:B:LYS:H	1:239:B:GLN:HB2	19	0.27
(1,942)	1:220:B:LEU:HB2	1:221:B:VAL:H	3	0.27
(1,942)	1:220:B:LEU:HB2	1:221:B:VAL:H	8	0.27
(1,942)	1:220:B:LEU:HB2	1:221:B:VAL:H	19	0.27
(1,872)	1:210:B:VAL:HA	1:211:B:ASP:HB3	1	0.27
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD1	12	0.27
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD2	12	0.27
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD1	12	0.27
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD2	12	0.27
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD1	12	0.27
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD2	12	0.27
(1,647)	1:125:A:GLY:HA3	1:126:A:ASN:H	3	0.27
(1,626)	1:120:A:LEU:HB2	1:121:A:VAL:H	6	0.27
(1,626)	1:120:A:LEU:HB2	1:121:A:VAL:H	16	0.27
(1,626)	1:120:A:LEU:HB2	1:121:A:VAL:H	20	0.27
(1,601)	1:117:A:ARG:HG3	1:118:A:TRP:H	11	0.27
(1,601)	1:117:A:ARG:HG3	1:118:A:TRP:H	16	0.27
(1,556)	1:110:A:VAL:HA	1:111:A:ASP:HB3	8	0.27
(1,556)	1:110:A:VAL:HA	1:111:A:ASP:HB3	18	0.27
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD1	18	0.27
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD2	18	0.27
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD1	18	0.27
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD2	18	0.27
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD1	18	0.27
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD2	18	0.27
(1,499)	1:259:B:GLU:H	1:259:B:GLU:HB3	1	0.27
(1,499)	1:259:B:GLU:H	1:259:B:GLU:HB3	4	0.27
(1,474)	1:251:B:ASN:HB3	1:251:B:ASN:HD21	2	0.27
(1,474)	1:251:B:ASN:HB3	1:251:B:ASN:HD21	4	0.27
(1,474)	1:251:B:ASN:HB3	1:251:B:ASN:HD21	10	0.27
(1,474)	1:251:B:ASN:HB3	1:251:B:ASN:HD21	16	0.27
(1,474)	1:251:B:ASN:HB3	1:251:B:ASN:HD21	17	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,474)	1:251:B:ASN:HB3	1:251:B:ASN:HD21	19	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG11	3	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG12	3	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG13	3	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG11	5	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG12	5	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG13	5	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG11	6	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG12	6	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG13	6	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG11	7	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG12	7	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG13	7	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG11	8	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG12	8	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG13	8	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG11	9	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG12	9	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG13	9	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG11	12	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG12	12	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG13	12	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG11	14	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG12	14	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG13	14	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG11	15	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG12	15	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG13	15	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG11	16	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG12	16	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG13	16	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG11	17	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG12	17	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG13	17	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG11	18	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG12	18	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG13	18	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG11	19	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG12	19	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG13	19	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG11	20	0.27
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG12	20	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG13	20	0.27
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG11	10	0.27
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG12	10	0.27
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG13	10	0.27
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG11	14	0.27
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG12	14	0.27
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG13	14	0.27
(1,250)	1:159:A:GLU:H	1:159:A:GLU:HG2	12	0.27
(1,247)	1:159:A:GLU:H	1:159:A:GLU:HB3	2	0.27
(1,247)	1:159:A:GLU:H	1:159:A:GLU:HB3	13	0.27
(1,247)	1:159:A:GLU:H	1:159:A:GLU:HB3	14	0.27
(1,247)	1:159:A:GLU:H	1:159:A:GLU:HB3	16	0.27
(1,222)	1:151:A:ASN:HB3	1:151:A:ASN:HD21	4	0.27
(1,222)	1:151:A:ASN:HB3	1:151:A:ASN:HD21	9	0.27
(1,222)	1:151:A:ASN:HB3	1:151:A:ASN:HD21	10	0.27
(1,222)	1:151:A:ASN:HB3	1:151:A:ASN:HD21	11	0.27
(1,222)	1:151:A:ASN:HB3	1:151:A:ASN:HD21	14	0.27
(1,222)	1:151:A:ASN:HB3	1:151:A:ASN:HD21	17	0.27
(1,213)	1:150:A:ARG:HA	1:150:A:ARG:HD2	1	0.27
(1,213)	1:150:A:ARG:HA	1:150:A:ARG:HD3	1	0.27
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG11	1	0.27
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG12	1	0.27
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG13	1	0.27
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG11	3	0.27
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG12	3	0.27
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG13	3	0.27
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG11	5	0.27
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG12	5	0.27
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG13	5	0.27
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG11	6	0.27
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG12	6	0.27
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG13	6	0.27
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG11	8	0.27
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG12	8	0.27
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG13	8	0.27
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG11	9	0.27
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG12	9	0.27
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG13	9	0.27
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG11	10	0.27
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG12	10	0.27
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG13	10	0.27
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG11	11	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG12	11	0.27
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG13	11	0.27
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG11	13	0.27
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG12	13	0.27
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG13	13	0.27
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG11	15	0.27
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG12	15	0.27
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG13	15	0.27
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG11	16	0.27
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG12	16	0.27
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG13	16	0.27
(1,90)	1:124:A:ASN:HA	1:124:A:ASN:HD22	11	0.27
(1,90)	1:124:A:ASN:HA	1:124:A:ASN:HD22	17	0.27
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG11	5	0.27
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG12	5	0.27
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG13	5	0.27
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG11	9	0.27
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG12	9	0.27
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG13	9	0.27
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG11	12	0.27
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG12	12	0.27
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG13	12	0.27
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG11	13	0.27
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG12	13	0.27
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG13	13	0.27
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG11	14	0.27
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG12	14	0.27
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG13	14	0.27
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG11	17	0.27
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG12	17	0.27
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG13	17	0.27
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG11	18	0.27
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG12	18	0.27
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG13	18	0.27
(1,21)	1:107:A:GLU:H	1:107:A:GLU:HG2	19	0.27
(1,9)	1:103:A:LYS:H	1:103:A:LYS:HG3	20	0.27
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB1	3	0.26
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB2	3	0.26
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB3	3	0.26
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB1	3	0.26
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB2	3	0.26
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB3	3	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB1	3	0.26
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB2	3	0.26
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB3	3	0.26
(1,2102)	1:107:A:GLU:HG3	1:258:B:ILE:HB	18	0.26
(1,2032)	1:248:B:VAL:HG21	1:253:B:PRO:HD2	6	0.26
(1,2032)	1:248:B:VAL:HG22	1:253:B:PRO:HD2	6	0.26
(1,2032)	1:248:B:VAL:HG23	1:253:B:PRO:HD2	6	0.26
(1,1980)	1:219:B:ARG:HG2	1:231:B:SER:H	12	0.26
(1,1980)	1:219:B:ARG:HG3	1:231:B:SER:H	12	0.26
(1,1897)	1:210:B:VAL:HG11	1:216:B:TYR:H	16	0.26
(1,1897)	1:210:B:VAL:HG12	1:216:B:TYR:H	16	0.26
(1,1897)	1:210:B:VAL:HG13	1:216:B:TYR:H	16	0.26
(1,1768)	1:121:A:VAL:HG11	1:126:A:ASN:HD22	5	0.26
(1,1768)	1:121:A:VAL:HG12	1:126:A:ASN:HD22	5	0.26
(1,1768)	1:121:A:VAL:HG13	1:126:A:ASN:HD22	5	0.26
(1,1768)	1:121:A:VAL:HG21	1:126:A:ASN:HD22	5	0.26
(1,1768)	1:121:A:VAL:HG22	1:126:A:ASN:HD22	5	0.26
(1,1768)	1:121:A:VAL:HG23	1:126:A:ASN:HD22	5	0.26
(1,1768)	1:121:A:VAL:HG11	1:126:A:ASN:HD22	18	0.26
(1,1768)	1:121:A:VAL:HG12	1:126:A:ASN:HD22	18	0.26
(1,1768)	1:121:A:VAL:HG13	1:126:A:ASN:HD22	18	0.26
(1,1768)	1:121:A:VAL:HG21	1:126:A:ASN:HD22	18	0.26
(1,1768)	1:121:A:VAL:HG22	1:126:A:ASN:HD22	18	0.26
(1,1768)	1:121:A:VAL:HG23	1:126:A:ASN:HD22	18	0.26
(1,1738)	1:119:A:ARG:HG2	1:131:A:SER:H	10	0.26
(1,1738)	1:119:A:ARG:HG3	1:131:A:SER:H	10	0.26
(1,1738)	1:119:A:ARG:HG2	1:131:A:SER:H	14	0.26
(1,1738)	1:119:A:ARG:HG3	1:131:A:SER:H	14	0.26
(1,1515)	1:247:B:SER:HB3	1:249:B:LYS:H	5	0.26
(1,1409)	1:224:B:ASN:HD22	1:228:B:LEU:HD21	1	0.26
(1,1409)	1:224:B:ASN:HD22	1:228:B:LEU:HD22	1	0.26
(1,1409)	1:224:B:ASN:HD22	1:228:B:LEU:HD23	1	0.26
(1,1352)	1:210:B:VAL:HG11	1:214:B:ASP:HB2	13	0.26
(1,1352)	1:210:B:VAL:HG12	1:214:B:ASP:HB2	13	0.26
(1,1352)	1:210:B:VAL:HG13	1:214:B:ASP:HB2	13	0.26
(1,1113)	1:254:B:ASP:HB3	1:255:B:ALA:H	5	0.26
(1,942)	1:220:B:LEU:HB2	1:221:B:VAL:H	4	0.26
(1,928)	1:218:B:TRP:HB2	1:219:B:ARG:HD2	3	0.26
(1,928)	1:218:B:TRP:HB2	1:219:B:ARG:HD3	3	0.26
(1,928)	1:218:B:TRP:HB2	1:219:B:ARG:HD2	20	0.26
(1,928)	1:218:B:TRP:HB2	1:219:B:ARG:HD3	20	0.26
(1,917)	1:217:B:ARG:HG3	1:218:B:TRP:H	4	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,917)	1:217:B:ARG:HG3	1:218:B:TRP:H	10	0.26
(1,917)	1:217:B:ARG:HG3	1:218:B:TRP:H	11	0.26
(1,917)	1:217:B:ARG:HG3	1:218:B:TRP:H	15	0.26
(1,898)	1:214:B:ASP:HA	1:215:B:LYS:HE2	11	0.26
(1,898)	1:214:B:ASP:HA	1:215:B:LYS:HE3	11	0.26
(1,872)	1:210:B:VAL:HA	1:211:B:ASP:HB3	6	0.26
(1,872)	1:210:B:VAL:HA	1:211:B:ASP:HB3	7	0.26
(1,872)	1:210:B:VAL:HA	1:211:B:ASP:HB3	17	0.26
(1,872)	1:210:B:VAL:HA	1:211:B:ASP:HB3	19	0.26
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD1	3	0.26
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD2	3	0.26
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD1	3	0.26
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD2	3	0.26
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD1	3	0.26
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD2	3	0.26
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD1	14	0.26
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD2	14	0.26
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD1	14	0.26
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD2	14	0.26
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD1	14	0.26
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD2	14	0.26
(1,797)	1:154:A:ASP:HB3	1:155:A:ALA:H	3	0.26
(1,626)	1:120:A:LEU:HB2	1:121:A:VAL:H	2	0.26
(1,626)	1:120:A:LEU:HB2	1:121:A:VAL:H	8	0.26
(1,626)	1:120:A:LEU:HB2	1:121:A:VAL:H	11	0.26
(1,612)	1:118:A:TRP:HB2	1:119:A:ARG:HD2	2	0.26
(1,612)	1:118:A:TRP:HB2	1:119:A:ARG:HD3	2	0.26
(1,601)	1:117:A:ARG:HG3	1:118:A:TRP:H	12	0.26
(1,582)	1:114:A:ASP:HA	1:115:A:LYS:HE2	8	0.26
(1,582)	1:114:A:ASP:HA	1:115:A:LYS:HE3	8	0.26
(1,582)	1:114:A:ASP:HA	1:115:A:LYS:HE2	16	0.26
(1,582)	1:114:A:ASP:HA	1:115:A:LYS:HE3	16	0.26
(1,582)	1:114:A:ASP:HA	1:115:A:LYS:HE2	17	0.26
(1,582)	1:114:A:ASP:HA	1:115:A:LYS:HE3	17	0.26
(1,556)	1:110:A:VAL:HA	1:111:A:ASP:HB3	10	0.26
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD1	8	0.26
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD2	8	0.26
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD1	8	0.26
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD2	8	0.26
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD1	8	0.26
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD2	8	0.26
(1,502)	1:259:B:GLU:H	1:259:B:GLU:HG2	18	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,499)	1:259:B:GLU:H	1:259:B:GLU:HB3	3	0.26
(1,499)	1:259:B:GLU:H	1:259:B:GLU:HB3	13	0.26
(1,499)	1:259:B:GLU:H	1:259:B:GLU:HB3	20	0.26
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG11	2	0.26
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG12	2	0.26
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG13	2	0.26
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG11	10	0.26
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG12	10	0.26
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG13	10	0.26
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG11	11	0.26
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG12	11	0.26
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG13	11	0.26
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG11	1	0.26
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG12	1	0.26
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG13	1	0.26
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG11	2	0.26
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG12	2	0.26
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG13	2	0.26
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG11	3	0.26
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG12	3	0.26
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG13	3	0.26
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG11	5	0.26
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG12	5	0.26
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG13	5	0.26
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG11	7	0.26
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG12	7	0.26
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG13	7	0.26
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG11	12	0.26
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG12	12	0.26
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG13	12	0.26
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG11	17	0.26
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG12	17	0.26
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG13	17	0.26
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG11	18	0.26
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG12	18	0.26
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG13	18	0.26
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG11	20	0.26
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG12	20	0.26
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG13	20	0.26
(1,247)	1:159:A:GLU:H	1:159:A:GLU:HB3	5	0.26
(1,247)	1:159:A:GLU:H	1:159:A:GLU:HB3	6	0.26
(1,247)	1:159:A:GLU:H	1:159:A:GLU:HB3	7	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,247)	1:159:A:GLU:H	1:159:A:GLU:HB3	11	0.26
(1,247)	1:159:A:GLU:H	1:159:A:GLU:HB3	12	0.26
(1,247)	1:159:A:GLU:H	1:159:A:GLU:HB3	15	0.26
(1,247)	1:159:A:GLU:H	1:159:A:GLU:HB3	18	0.26
(1,222)	1:151:A:ASN:HB3	1:151:A:ASN:HD21	5	0.26
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG11	4	0.26
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG12	4	0.26
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG13	4	0.26
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG11	7	0.26
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG12	7	0.26
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG13	7	0.26
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG11	12	0.26
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG12	12	0.26
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG13	12	0.26
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG11	14	0.26
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG12	14	0.26
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG13	14	0.26
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG11	17	0.26
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG12	17	0.26
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG13	17	0.26
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG11	20	0.26
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG12	20	0.26
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG13	20	0.26
(1,143)	1:138:A:LYS:H	1:138:A:LYS:HD2	9	0.26
(1,143)	1:138:A:LYS:H	1:138:A:LYS:HD3	9	0.26
(1,90)	1:124:A:ASN:HA	1:124:A:ASN:HD22	9	0.26
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG11	1	0.26
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG12	1	0.26
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG13	1	0.26
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG11	8	0.26
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG12	8	0.26
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG13	8	0.26
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG11	11	0.26
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG12	11	0.26
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG13	11	0.26
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG11	16	0.26
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG12	16	0.26
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG13	16	0.26
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG11	19	0.26
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG12	19	0.26
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG13	19	0.26
(1,21)	1:107:A:GLU:H	1:107:A:GLU:HG2	17	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2)	1:103:A:LYS:HA	1:103:A:LYS:HG3	5	0.26
(1,2316)	1:158:A:ILE:HD11	1:207:B:GLU:HG3	6	0.25
(1,2316)	1:158:A:ILE:HD12	1:207:B:GLU:HG3	6	0.25
(1,2316)	1:158:A:ILE:HD13	1:207:B:GLU:HG3	6	0.25
(1,2281)	1:156:A:ASP:HB2	1:205:B:HIS:HB3	6	0.25
(1,2281)	1:156:A:ASP:HB3	1:205:B:HIS:HB3	6	0.25
(1,2281)	1:156:A:ASP:HB2	1:205:B:HIS:HB3	13	0.25
(1,2281)	1:156:A:ASP:HB3	1:205:B:HIS:HB3	13	0.25
(1,2281)	1:156:A:ASP:HB2	1:205:B:HIS:HB3	20	0.25
(1,2281)	1:156:A:ASP:HB3	1:205:B:HIS:HB3	20	0.25
(1,2143)	1:127:A:ILE:HG21	1:233:B:GLU:HG3	15	0.25
(1,2143)	1:127:A:ILE:HG22	1:233:B:GLU:HG3	15	0.25
(1,2143)	1:127:A:ILE:HG23	1:233:B:GLU:HG3	15	0.25
(1,2107)	1:108:A:VAL:HG21	1:260:B:ALA:H	15	0.25
(1,2107)	1:108:A:VAL:HG22	1:260:B:ALA:H	15	0.25
(1,2107)	1:108:A:VAL:HG23	1:260:B:ALA:H	15	0.25
(1,1874)	1:209:B:PHE:HD1	1:219:B:ARG:HG2	10	0.25
(1,1874)	1:209:B:PHE:HD1	1:219:B:ARG:HG3	10	0.25
(1,1874)	1:209:B:PHE:HD2	1:219:B:ARG:HG2	10	0.25
(1,1874)	1:209:B:PHE:HD2	1:219:B:ARG:HG3	10	0.25
(1,1856)	1:208:B:VAL:HG11	1:218:B:TRP:H	9	0.25
(1,1856)	1:208:B:VAL:HG12	1:218:B:TRP:H	9	0.25
(1,1856)	1:208:B:VAL:HG13	1:218:B:TRP:H	9	0.25
(1,1790)	1:148:A:VAL:HG21	1:153:A:PRO:HD2	19	0.25
(1,1790)	1:148:A:VAL:HG22	1:153:A:PRO:HD2	19	0.25
(1,1790)	1:148:A:VAL:HG23	1:153:A:PRO:HD2	19	0.25
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG21	10	0.25
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG22	10	0.25
(1,1501)	1:245:B:ILE:HG21	1:248:B:VAL:HG23	10	0.25
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG21	10	0.25
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG22	10	0.25
(1,1501)	1:245:B:ILE:HG22	1:248:B:VAL:HG23	10	0.25
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG21	10	0.25
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG22	10	0.25
(1,1501)	1:245:B:ILE:HG23	1:248:B:VAL:HG23	10	0.25
(1,1352)	1:210:B:VAL:HG11	1:214:B:ASP:HB2	4	0.25
(1,1352)	1:210:B:VAL:HG12	1:214:B:ASP:HB2	4	0.25
(1,1352)	1:210:B:VAL:HG13	1:214:B:ASP:HB2	4	0.25
(1,1352)	1:210:B:VAL:HG11	1:214:B:ASP:HB2	17	0.25
(1,1352)	1:210:B:VAL:HG12	1:214:B:ASP:HB2	17	0.25
(1,1352)	1:210:B:VAL:HG13	1:214:B:ASP:HB2	17	0.25
(1,1221)	1:131:A:SER:HB2	1:133:A:GLU:HB3	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1221)	1:131:A:SER:HB3	1:133:A:GLU:HB3	16	0.25
(1,1177)	1:115:A:LYS:HB2	1:117:A:ARG:HG2	6	0.25
(1,1146)	1:110:A:VAL:HG11	1:114:A:ASP:HB2	4	0.25
(1,1146)	1:110:A:VAL:HG12	1:114:A:ASP:HB2	4	0.25
(1,1146)	1:110:A:VAL:HG13	1:114:A:ASP:HB2	4	0.25
(1,1146)	1:110:A:VAL:HG11	1:114:A:ASP:HB2	15	0.25
(1,1146)	1:110:A:VAL:HG12	1:114:A:ASP:HB2	15	0.25
(1,1146)	1:110:A:VAL:HG13	1:114:A:ASP:HB2	15	0.25
(1,1045)	1:242:B:LYS:HE2	1:243:B:GLN:HE21	15	0.25
(1,942)	1:220:B:LEU:HB2	1:221:B:VAL:H	5	0.25
(1,942)	1:220:B:LEU:HB2	1:221:B:VAL:H	20	0.25
(1,917)	1:217:B:ARG:HG3	1:218:B:TRP:H	16	0.25
(1,907)	1:215:B:LYS:HB2	1:216:B:TYR:H	16	0.25
(1,901)	1:214:B:ASP:HB3	1:215:B:LYS:HD3	15	0.25
(1,898)	1:214:B:ASP:HA	1:215:B:LYS:HE2	10	0.25
(1,898)	1:214:B:ASP:HA	1:215:B:LYS:HE3	10	0.25
(1,898)	1:214:B:ASP:HA	1:215:B:LYS:HE2	16	0.25
(1,898)	1:214:B:ASP:HA	1:215:B:LYS:HE3	16	0.25
(1,872)	1:210:B:VAL:HA	1:211:B:ASP:HB3	11	0.25
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD1	20	0.25
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD2	20	0.25
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD1	20	0.25
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD2	20	0.25
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD1	20	0.25
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD2	20	0.25
(1,646)	1:125:A:GLY:HA3	1:126:A:ASN:HD21	16	0.25
(1,626)	1:120:A:LEU:HB2	1:121:A:VAL:H	9	0.25
(1,626)	1:120:A:LEU:HB2	1:121:A:VAL:H	18	0.25
(1,612)	1:118:A:TRP:HB2	1:119:A:ARG:HD2	4	0.25
(1,612)	1:118:A:TRP:HB2	1:119:A:ARG:HD3	4	0.25
(1,601)	1:117:A:ARG:HG3	1:118:A:TRP:H	9	0.25
(1,601)	1:117:A:ARG:HG3	1:118:A:TRP:H	20	0.25
(1,582)	1:114:A:ASP:HA	1:115:A:LYS:HE2	9	0.25
(1,582)	1:114:A:ASP:HA	1:115:A:LYS:HE3	9	0.25
(1,556)	1:110:A:VAL:HA	1:111:A:ASP:HB3	4	0.25
(1,556)	1:110:A:VAL:HA	1:111:A:ASP:HB3	16	0.25
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD1	10	0.25
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD2	10	0.25
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD1	10	0.25
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD2	10	0.25
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD1	10	0.25
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD2	10	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD1	12	0.25
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD2	12	0.25
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD1	12	0.25
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD2	12	0.25
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD1	12	0.25
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD2	12	0.25
(1,499)	1:259:B:GLU:H	1:259:B:GLU:HB3	5	0.25
(1,499)	1:259:B:GLU:H	1:259:B:GLU:HB3	15	0.25
(1,499)	1:259:B:GLU:H	1:259:B:GLU:HB3	16	0.25
(1,499)	1:259:B:GLU:H	1:259:B:GLU:HB3	18	0.25
(1,472)	1:250:B:ARG:H	1:250:B:ARG:HD2	5	0.25
(1,472)	1:250:B:ARG:H	1:250:B:ARG:HD3	5	0.25
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG11	13	0.25
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG12	13	0.25
(1,455)	1:248:B:VAL:HA	1:248:B:VAL:HG13	13	0.25
(1,342)	1:224:B:ASN:HA	1:224:B:ASN:HD22	1	0.25
(1,342)	1:224:B:ASN:HA	1:224:B:ASN:HD22	4	0.25
(1,342)	1:224:B:ASN:HA	1:224:B:ASN:HD22	17	0.25
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG11	4	0.25
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG12	4	0.25
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG13	4	0.25
(1,273)	1:207:B:GLU:H	1:207:B:GLU:HG2	7	0.25
(1,261)	1:203:B:LYS:H	1:203:B:LYS:HG3	12	0.25
(1,250)	1:159:A:GLU:H	1:159:A:GLU:HG2	4	0.25
(1,250)	1:159:A:GLU:H	1:159:A:GLU:HG2	13	0.25
(1,250)	1:159:A:GLU:H	1:159:A:GLU:HG2	17	0.25
(1,247)	1:159:A:GLU:H	1:159:A:GLU:HB3	4	0.25
(1,222)	1:151:A:ASN:HB3	1:151:A:ASN:HD21	1	0.25
(1,220)	1:150:A:ARG:H	1:150:A:ARG:HD2	10	0.25
(1,220)	1:150:A:ARG:H	1:150:A:ARG:HD3	10	0.25
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG11	19	0.25
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG12	19	0.25
(1,203)	1:148:A:VAL:HA	1:148:A:VAL:HG13	19	0.25
(1,143)	1:138:A:LYS:H	1:138:A:LYS:HD2	11	0.25
(1,143)	1:138:A:LYS:H	1:138:A:LYS:HD3	11	0.25
(1,90)	1:124:A:ASN:HA	1:124:A:ASN:HD22	4	0.25
(1,90)	1:124:A:ASN:HA	1:124:A:ASN:HD22	7	0.25
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG11	4	0.25
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG12	4	0.25
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG13	4	0.25
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG11	7	0.25
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG12	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG13	7	0.25
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG11	20	0.25
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG12	20	0.25
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG13	20	0.25
(1,2321)	1:158:A:ILE:HG12	1:205:B:HIS:HD2	2	0.24
(1,2103)	1:107:A:GLU:HG3	1:258:B:ILE:HD11	17	0.24
(1,2103)	1:107:A:GLU:HG3	1:258:B:ILE:HD12	17	0.24
(1,2103)	1:107:A:GLU:HG3	1:258:B:ILE:HD13	17	0.24
(1,2010)	1:221:B:VAL:HG11	1:226:B:ASN:HD22	8	0.24
(1,2010)	1:221:B:VAL:HG12	1:226:B:ASN:HD22	8	0.24
(1,2010)	1:221:B:VAL:HG13	1:226:B:ASN:HD22	8	0.24
(1,2010)	1:221:B:VAL:HG21	1:226:B:ASN:HD22	8	0.24
(1,2010)	1:221:B:VAL:HG22	1:226:B:ASN:HD22	8	0.24
(1,2010)	1:221:B:VAL:HG23	1:226:B:ASN:HD22	8	0.24
(1,1947)	1:218:B:TRP:HD1	1:242:B:LYS:HG3	2	0.24
(1,1790)	1:148:A:VAL:HG21	1:153:A:PRO:HD2	5	0.24
(1,1790)	1:148:A:VAL:HG22	1:153:A:PRO:HD2	5	0.24
(1,1790)	1:148:A:VAL:HG23	1:153:A:PRO:HD2	5	0.24
(1,1780)	1:131:A:SER:HA	1:145:A:ILE:HA	13	0.24
(1,1768)	1:121:A:VAL:HG11	1:126:A:ASN:HD22	3	0.24
(1,1768)	1:121:A:VAL:HG12	1:126:A:ASN:HD22	3	0.24
(1,1768)	1:121:A:VAL:HG13	1:126:A:ASN:HD22	3	0.24
(1,1768)	1:121:A:VAL:HG21	1:126:A:ASN:HD22	3	0.24
(1,1768)	1:121:A:VAL:HG22	1:126:A:ASN:HD22	3	0.24
(1,1768)	1:121:A:VAL:HG23	1:126:A:ASN:HD22	3	0.24
(1,1768)	1:121:A:VAL:HG11	1:126:A:ASN:HD22	7	0.24
(1,1768)	1:121:A:VAL:HG12	1:126:A:ASN:HD22	7	0.24
(1,1768)	1:121:A:VAL:HG13	1:126:A:ASN:HD22	7	0.24
(1,1768)	1:121:A:VAL:HG21	1:126:A:ASN:HD22	7	0.24
(1,1768)	1:121:A:VAL:HG22	1:126:A:ASN:HD22	7	0.24
(1,1768)	1:121:A:VAL:HG23	1:126:A:ASN:HD22	7	0.24
(1,1427)	1:231:B:SER:HB2	1:233:B:GLU:HB3	20	0.24
(1,1427)	1:231:B:SER:HB3	1:233:B:GLU:HB3	20	0.24
(1,1383)	1:215:B:LYS:HB2	1:217:B:ARG:HG2	6	0.24
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG21	17	0.24
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG22	17	0.24
(1,1295)	1:145:A:ILE:HG21	1:148:A:VAL:HG23	17	0.24
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG21	17	0.24
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG22	17	0.24
(1,1295)	1:145:A:ILE:HG22	1:148:A:VAL:HG23	17	0.24
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG21	17	0.24
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG22	17	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1295)	1:145:A:ILE:HG23	1:148:A:VAL:HG23	17	0.24
(1,1249)	1:139:A:GLN:HB2	1:143:A:GLN:HE21	14	0.24
(1,1113)	1:254:B:ASP:HB3	1:255:B:ALA:H	3	0.24
(1,1023)	1:238:B:LYS:H	1:239:B:GLN:HB2	13	0.24
(1,928)	1:218:B:TRP:HB2	1:219:B:ARG:HD2	8	0.24
(1,928)	1:218:B:TRP:HB2	1:219:B:ARG:HD3	8	0.24
(1,917)	1:217:B:ARG:HG3	1:218:B:TRP:H	12	0.24
(1,917)	1:217:B:ARG:HG3	1:218:B:TRP:H	17	0.24
(1,908)	1:215:B:LYS:HG3	1:216:B:TYR:H	16	0.24
(1,872)	1:210:B:VAL:HA	1:211:B:ASP:HB3	3	0.24
(1,872)	1:210:B:VAL:HA	1:211:B:ASP:HB3	8	0.24
(1,872)	1:210:B:VAL:HA	1:211:B:ASP:HB3	13	0.24
(1,872)	1:210:B:VAL:HA	1:211:B:ASP:HB3	16	0.24
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD1	6	0.24
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD2	6	0.24
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD1	6	0.24
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD2	6	0.24
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD1	6	0.24
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD2	6	0.24
(1,729)	1:142:A:LYS:HE2	1:143:A:GLN:HE21	4	0.24
(1,626)	1:120:A:LEU:HB2	1:121:A:VAL:H	3	0.24
(1,626)	1:120:A:LEU:HB2	1:121:A:VAL:H	4	0.24
(1,601)	1:117:A:ARG:HG3	1:118:A:TRP:H	2	0.24
(1,601)	1:117:A:ARG:HG3	1:118:A:TRP:H	5	0.24
(1,601)	1:117:A:ARG:HG3	1:118:A:TRP:H	19	0.24
(1,582)	1:114:A:ASP:HA	1:115:A:LYS:HE2	11	0.24
(1,582)	1:114:A:ASP:HA	1:115:A:LYS:HE3	11	0.24
(1,582)	1:114:A:ASP:HA	1:115:A:LYS:HE2	15	0.24
(1,582)	1:114:A:ASP:HA	1:115:A:LYS:HE3	15	0.24
(1,556)	1:110:A:VAL:HA	1:111:A:ASP:HB3	19	0.24
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD1	1	0.24
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD2	1	0.24
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD1	1	0.24
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD2	1	0.24
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD1	1	0.24
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD2	1	0.24
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD1	9	0.24
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD2	9	0.24
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD1	9	0.24
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD2	9	0.24
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD1	9	0.24
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD2	9	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,502)	1:259:B:GLU:H	1:259:B:GLU:HG2	5	0.24
(1,499)	1:259:B:GLU:H	1:259:B:GLU:HB3	2	0.24
(1,499)	1:259:B:GLU:H	1:259:B:GLU:HB3	7	0.24
(1,499)	1:259:B:GLU:H	1:259:B:GLU:HB3	8	0.24
(1,499)	1:259:B:GLU:H	1:259:B:GLU:HB3	9	0.24
(1,499)	1:259:B:GLU:H	1:259:B:GLU:HB3	10	0.24
(1,342)	1:224:B:ASN:HA	1:224:B:ASN:HD22	13	0.24
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG11	6	0.24
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG12	6	0.24
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG13	6	0.24
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG11	9	0.24
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG12	9	0.24
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG13	9	0.24
(1,273)	1:207:B:GLU:H	1:207:B:GLU:HG2	20	0.24
(1,250)	1:159:A:GLU:H	1:159:A:GLU:HG2	10	0.24
(1,247)	1:159:A:GLU:H	1:159:A:GLU:HB3	8	0.24
(1,247)	1:159:A:GLU:H	1:159:A:GLU:HB3	9	0.24
(1,247)	1:159:A:GLU:H	1:159:A:GLU:HB3	10	0.24
(1,247)	1:159:A:GLU:H	1:159:A:GLU:HB3	19	0.24
(1,214)	1:150:A:ARG:HA	1:150:A:ARG:HG3	16	0.24
(1,143)	1:138:A:LYS:H	1:138:A:LYS:HD2	4	0.24
(1,143)	1:138:A:LYS:H	1:138:A:LYS:HD3	4	0.24
(1,132)	1:133:A:GLU:H	1:133:A:GLU:HG2	13	0.24
(1,90)	1:124:A:ASN:HA	1:124:A:ASN:HD22	15	0.24
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG11	6	0.24
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG12	6	0.24
(1,35)	1:110:A:VAL:H	1:110:A:VAL:HG13	6	0.24
(1,21)	1:107:A:GLU:H	1:107:A:GLU:HG2	9	0.24
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG21	1	0.23
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG22	1	0.23
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG23	1	0.23
(1,2316)	1:158:A:ILE:HD11	1:207:B:GLU:HG3	7	0.23
(1,2316)	1:158:A:ILE:HD12	1:207:B:GLU:HG3	7	0.23
(1,2316)	1:158:A:ILE:HD13	1:207:B:GLU:HG3	7	0.23
(1,2304)	1:157:A:VAL:HG21	1:242:B:LYS:HB2	20	0.23
(1,2304)	1:157:A:VAL:HG22	1:242:B:LYS:HB2	20	0.23
(1,2304)	1:157:A:VAL:HG23	1:242:B:LYS:HB2	20	0.23
(1,2234)	1:151:A:ASN:HD22	1:201:B:MET:HE1	12	0.23
(1,2234)	1:151:A:ASN:HD22	1:201:B:MET:HE2	12	0.23
(1,2234)	1:151:A:ASN:HD22	1:201:B:MET:HE3	12	0.23
(1,2102)	1:107:A:GLU:HG3	1:258:B:ILE:HB	2	0.23
(1,2102)	1:107:A:GLU:HG3	1:258:B:ILE:HB	6	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2064)	1:105:A:HIS:HB3	1:256:B:ASP:HB2	10	0.23
(1,2064)	1:105:A:HIS:HB3	1:256:B:ASP:HB3	10	0.23
(1,2064)	1:105:A:HIS:HB3	1:256:B:ASP:HB2	11	0.23
(1,2064)	1:105:A:HIS:HB3	1:256:B:ASP:HB3	11	0.23
(1,2022)	1:231:B:SER:HA	1:245:B:ILE:HA	13	0.23
(1,2010)	1:221:B:VAL:HG11	1:226:B:ASN:HD22	5	0.23
(1,2010)	1:221:B:VAL:HG12	1:226:B:ASN:HD22	5	0.23
(1,2010)	1:221:B:VAL:HG13	1:226:B:ASN:HD22	5	0.23
(1,2010)	1:221:B:VAL:HG21	1:226:B:ASN:HD22	5	0.23
(1,2010)	1:221:B:VAL:HG22	1:226:B:ASN:HD22	5	0.23
(1,2010)	1:221:B:VAL:HG23	1:226:B:ASN:HD22	5	0.23
(1,2010)	1:221:B:VAL:HG11	1:226:B:ASN:HD22	13	0.23
(1,2010)	1:221:B:VAL:HG12	1:226:B:ASN:HD22	13	0.23
(1,2010)	1:221:B:VAL:HG13	1:226:B:ASN:HD22	13	0.23
(1,2010)	1:221:B:VAL:HG21	1:226:B:ASN:HD22	13	0.23
(1,2010)	1:221:B:VAL:HG22	1:226:B:ASN:HD22	13	0.23
(1,2010)	1:221:B:VAL:HG23	1:226:B:ASN:HD22	13	0.23
(1,2010)	1:221:B:VAL:HG11	1:226:B:ASN:HD22	19	0.23
(1,2010)	1:221:B:VAL:HG12	1:226:B:ASN:HD22	19	0.23
(1,2010)	1:221:B:VAL:HG13	1:226:B:ASN:HD22	19	0.23
(1,2010)	1:221:B:VAL:HG21	1:226:B:ASN:HD22	19	0.23
(1,2010)	1:221:B:VAL:HG22	1:226:B:ASN:HD22	19	0.23
(1,2010)	1:221:B:VAL:HG23	1:226:B:ASN:HD22	19	0.23
(1,1897)	1:210:B:VAL:HG11	1:216:B:TYR:H	14	0.23
(1,1897)	1:210:B:VAL:HG12	1:216:B:TYR:H	14	0.23
(1,1897)	1:210:B:VAL:HG13	1:216:B:TYR:H	14	0.23
(1,1780)	1:131:A:SER:HA	1:145:A:ILE:HA	7	0.23
(1,1768)	1:121:A:VAL:HG11	1:126:A:ASN:HD22	11	0.23
(1,1768)	1:121:A:VAL:HG12	1:126:A:ASN:HD22	11	0.23
(1,1768)	1:121:A:VAL:HG13	1:126:A:ASN:HD22	11	0.23
(1,1768)	1:121:A:VAL:HG21	1:126:A:ASN:HD22	11	0.23
(1,1768)	1:121:A:VAL:HG22	1:126:A:ASN:HD22	11	0.23
(1,1768)	1:121:A:VAL:HG23	1:126:A:ASN:HD22	11	0.23
(1,1768)	1:121:A:VAL:HG11	1:126:A:ASN:HD22	20	0.23
(1,1768)	1:121:A:VAL:HG12	1:126:A:ASN:HD22	20	0.23
(1,1768)	1:121:A:VAL:HG13	1:126:A:ASN:HD22	20	0.23
(1,1768)	1:121:A:VAL:HG21	1:126:A:ASN:HD22	20	0.23
(1,1768)	1:121:A:VAL:HG22	1:126:A:ASN:HD22	20	0.23
(1,1768)	1:121:A:VAL:HG23	1:126:A:ASN:HD22	20	0.23
(1,1738)	1:119:A:ARG:HG2	1:131:A:SER:H	17	0.23
(1,1738)	1:119:A:ARG:HG3	1:131:A:SER:H	17	0.23
(1,1393)	1:222:B:HIS:HB2	1:226:B:ASN:HB2	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1221)	1:131:A:SER:HB2	1:133:A:GLU:HB3	9	0.23
(1,1221)	1:131:A:SER:HB3	1:133:A:GLU:HB3	9	0.23
(1,1203)	1:124:A:ASN:HD22	1:128:A:LEU:HD21	8	0.23
(1,1203)	1:124:A:ASN:HD22	1:128:A:LEU:HD22	8	0.23
(1,1203)	1:124:A:ASN:HD22	1:128:A:LEU:HD23	8	0.23
(1,1146)	1:110:A:VAL:HG11	1:114:A:ASP:HB2	9	0.23
(1,1146)	1:110:A:VAL:HG12	1:114:A:ASP:HB2	9	0.23
(1,1146)	1:110:A:VAL:HG13	1:114:A:ASP:HB2	9	0.23
(1,1146)	1:110:A:VAL:HG11	1:114:A:ASP:HB2	20	0.23
(1,1146)	1:110:A:VAL:HG12	1:114:A:ASP:HB2	20	0.23
(1,1146)	1:110:A:VAL:HG13	1:114:A:ASP:HB2	20	0.23
(1,1085)	1:250:B:ARG:HG3	1:251:B:ASN:HD21	15	0.23
(1,1045)	1:242:B:LYS:HE2	1:243:B:GLN:HE21	16	0.23
(1,928)	1:218:B:TRP:HB2	1:219:B:ARG:HD2	5	0.23
(1,928)	1:218:B:TRP:HB2	1:219:B:ARG:HD3	5	0.23
(1,928)	1:218:B:TRP:HB2	1:219:B:ARG:HD2	13	0.23
(1,928)	1:218:B:TRP:HB2	1:219:B:ARG:HD3	13	0.23
(1,917)	1:217:B:ARG:HG3	1:218:B:TRP:H	6	0.23
(1,907)	1:215:B:LYS:HB2	1:216:B:TYR:H	10	0.23
(1,898)	1:214:B:ASP:HA	1:215:B:LYS:HE2	5	0.23
(1,898)	1:214:B:ASP:HA	1:215:B:LYS:HE3	5	0.23
(1,872)	1:210:B:VAL:HA	1:211:B:ASP:HB3	10	0.23
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD1	1	0.23
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD2	1	0.23
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD1	1	0.23
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD2	1	0.23
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD1	1	0.23
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD2	1	0.23
(1,612)	1:118:A:TRP:HB2	1:119:A:ARG:HD2	19	0.23
(1,612)	1:118:A:TRP:HB2	1:119:A:ARG:HD3	19	0.23
(1,601)	1:117:A:ARG:HG3	1:118:A:TRP:H	7	0.23
(1,582)	1:114:A:ASP:HA	1:115:A:LYS:HE2	14	0.23
(1,582)	1:114:A:ASP:HA	1:115:A:LYS:HE3	14	0.23
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD1	13	0.23
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD2	13	0.23
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD1	13	0.23
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD2	13	0.23
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD1	13	0.23
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD2	13	0.23
(1,502)	1:259:B:GLU:H	1:259:B:GLU:HG2	3	0.23
(1,502)	1:259:B:GLU:H	1:259:B:GLU:HG2	10	0.23
(1,502)	1:259:B:GLU:H	1:259:B:GLU:HG2	13	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,502)	1:259:B:GLU:H	1:259:B:GLU:HG2	14	0.23
(1,499)	1:259:B:GLU:H	1:259:B:GLU:HB3	6	0.23
(1,499)	1:259:B:GLU:H	1:259:B:GLU:HB3	11	0.23
(1,499)	1:259:B:GLU:H	1:259:B:GLU:HB3	17	0.23
(1,472)	1:250:B:ARG:H	1:250:B:ARG:HD2	10	0.23
(1,472)	1:250:B:ARG:H	1:250:B:ARG:HD3	10	0.23
(1,342)	1:224:B:ASN:HA	1:224:B:ASN:HD22	7	0.23
(1,250)	1:159:A:GLU:H	1:159:A:GLU:HG2	8	0.23
(1,247)	1:159:A:GLU:H	1:159:A:GLU:HB3	17	0.23
(1,213)	1:150:A:ARG:HA	1:150:A:ARG:HD2	5	0.23
(1,213)	1:150:A:ARG:HA	1:150:A:ARG:HD3	5	0.23
(1,143)	1:138:A:LYS:H	1:138:A:LYS:HD2	15	0.23
(1,143)	1:138:A:LYS:H	1:138:A:LYS:HD3	15	0.23
(1,90)	1:124:A:ASN:HA	1:124:A:ASN:HD22	1	0.23
(1,90)	1:124:A:ASN:HA	1:124:A:ASN:HD22	10	0.23
(1,21)	1:107:A:GLU:H	1:107:A:GLU:HG2	20	0.23
(1,2281)	1:156:A:ASP:HB2	1:205:B:HIS:HB3	1	0.22
(1,2281)	1:156:A:ASP:HB3	1:205:B:HIS:HB3	1	0.22
(1,2281)	1:156:A:ASP:HB2	1:205:B:HIS:HB3	14	0.22
(1,2281)	1:156:A:ASP:HB3	1:205:B:HIS:HB3	14	0.22
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB1	2	0.22
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB2	2	0.22
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB3	2	0.22
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB1	2	0.22
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB2	2	0.22
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB3	2	0.22
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB1	2	0.22
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB2	2	0.22
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB3	2	0.22
(1,2143)	1:127:A:ILE:HG21	1:233:B:GLU:HG3	10	0.22
(1,2143)	1:127:A:ILE:HG22	1:233:B:GLU:HG3	10	0.22
(1,2143)	1:127:A:ILE:HG23	1:233:B:GLU:HG3	10	0.22
(1,2076)	1:106:A:PHE:HB2	1:256:B:ASP:HA	18	0.22
(1,2024)	1:231:B:SER:HB2	1:244:B:GLY:H	6	0.22
(1,2024)	1:231:B:SER:HB3	1:244:B:GLY:H	6	0.22
(1,2024)	1:231:B:SER:HB2	1:244:B:GLY:H	14	0.22
(1,2024)	1:231:B:SER:HB3	1:244:B:GLY:H	14	0.22
(1,2022)	1:231:B:SER:HA	1:245:B:ILE:HA	11	0.22
(1,1782)	1:131:A:SER:HB2	1:144:A:GLY:H	11	0.22
(1,1782)	1:131:A:SER:HB3	1:144:A:GLY:H	11	0.22
(1,1780)	1:131:A:SER:HA	1:145:A:ILE:HA	19	0.22
(1,1768)	1:121:A:VAL:HG11	1:126:A:ASN:HD22	14	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1768)	1:121:A:VAL:HG12	1:126:A:ASN:HD22	14	0.22
(1,1768)	1:121:A:VAL:HG13	1:126:A:ASN:HD22	14	0.22
(1,1768)	1:121:A:VAL:HG21	1:126:A:ASN:HD22	14	0.22
(1,1768)	1:121:A:VAL:HG22	1:126:A:ASN:HD22	14	0.22
(1,1768)	1:121:A:VAL:HG23	1:126:A:ASN:HD22	14	0.22
(1,1429)	1:233:B:GLU:HA	1:235:B:TYR:HE1	13	0.22
(1,1429)	1:233:B:GLU:HA	1:235:B:TYR:HE2	13	0.22
(1,1427)	1:231:B:SER:HB2	1:233:B:GLU:HB3	9	0.22
(1,1427)	1:231:B:SER:HB3	1:233:B:GLU:HB3	9	0.22
(1,1409)	1:224:B:ASN:HD22	1:228:B:LEU:HD21	6	0.22
(1,1409)	1:224:B:ASN:HD22	1:228:B:LEU:HD22	6	0.22
(1,1409)	1:224:B:ASN:HD22	1:228:B:LEU:HD23	6	0.22
(1,1409)	1:224:B:ASN:HD22	1:228:B:LEU:HD21	14	0.22
(1,1409)	1:224:B:ASN:HD22	1:228:B:LEU:HD22	14	0.22
(1,1409)	1:224:B:ASN:HD22	1:228:B:LEU:HD23	14	0.22
(1,1383)	1:215:B:LYS:HB2	1:217:B:ARG:HG2	10	0.22
(1,1352)	1:210:B:VAL:HG11	1:214:B:ASP:HB2	14	0.22
(1,1352)	1:210:B:VAL:HG12	1:214:B:ASP:HB2	14	0.22
(1,1352)	1:210:B:VAL:HG13	1:214:B:ASP:HB2	14	0.22
(1,1282)	1:143:A:GLN:HA	1:146:A:GLU:HG2	19	0.22
(1,1227)	1:133:A:GLU:HG2	1:135:A:TYR:HE1	13	0.22
(1,1227)	1:133:A:GLU:HG2	1:135:A:TYR:HE2	13	0.22
(1,1221)	1:131:A:SER:HB2	1:133:A:GLU:HB3	3	0.22
(1,1221)	1:131:A:SER:HB3	1:133:A:GLU:HB3	3	0.22
(1,1146)	1:110:A:VAL:HG11	1:114:A:ASP:HB2	1	0.22
(1,1146)	1:110:A:VAL:HG12	1:114:A:ASP:HB2	1	0.22
(1,1146)	1:110:A:VAL:HG13	1:114:A:ASP:HB2	1	0.22
(1,1146)	1:110:A:VAL:HG11	1:114:A:ASP:HB2	12	0.22
(1,1146)	1:110:A:VAL:HG12	1:114:A:ASP:HB2	12	0.22
(1,1146)	1:110:A:VAL:HG13	1:114:A:ASP:HB2	12	0.22
(1,1146)	1:110:A:VAL:HG11	1:114:A:ASP:HB2	17	0.22
(1,1146)	1:110:A:VAL:HG12	1:114:A:ASP:HB2	17	0.22
(1,1146)	1:110:A:VAL:HG13	1:114:A:ASP:HB2	17	0.22
(1,1146)	1:110:A:VAL:HG11	1:114:A:ASP:HB2	18	0.22
(1,1146)	1:110:A:VAL:HG12	1:114:A:ASP:HB2	18	0.22
(1,1146)	1:110:A:VAL:HG13	1:114:A:ASP:HB2	18	0.22
(1,998)	1:232:B:GLY:H	1:233:B:GLU:H	20	0.22
(1,928)	1:218:B:TRP:HB2	1:219:B:ARG:HD2	16	0.22
(1,928)	1:218:B:TRP:HB2	1:219:B:ARG:HD3	16	0.22
(1,908)	1:215:B:LYS:HG3	1:216:B:TYR:H	10	0.22
(1,898)	1:214:B:ASP:HA	1:215:B:LYS:HE2	7	0.22
(1,898)	1:214:B:ASP:HA	1:215:B:LYS:HE3	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD1	2	0.22
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD2	2	0.22
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD1	2	0.22
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD2	2	0.22
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD1	2	0.22
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD2	2	0.22
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD1	7	0.22
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD2	7	0.22
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD1	7	0.22
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD2	7	0.22
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD1	7	0.22
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD2	7	0.22
(1,838)	1:205:B:HIS:HB3	1:206:B:PHE:H	8	0.22
(1,838)	1:205:B:HIS:HB3	1:206:B:PHE:H	19	0.22
(1,601)	1:117:A:ARG:HG3	1:118:A:TRP:H	18	0.22
(1,592)	1:115:A:LYS:HG3	1:116:A:TYR:H	8	0.22
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD1	4	0.22
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD2	4	0.22
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD1	4	0.22
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD2	4	0.22
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD1	4	0.22
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD2	4	0.22
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD1	16	0.22
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD2	16	0.22
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD1	16	0.22
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD2	16	0.22
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD1	16	0.22
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD2	16	0.22
(1,522)	1:105:A:HIS:HB3	1:106:A:PHE:H	9	0.22
(1,522)	1:105:A:HIS:HB3	1:106:A:PHE:H	18	0.22
(1,502)	1:259:B:GLU:H	1:259:B:GLU:HG2	1	0.22
(1,502)	1:259:B:GLU:H	1:259:B:GLU:HG2	6	0.22
(1,502)	1:259:B:GLU:H	1:259:B:GLU:HG2	9	0.22
(1,502)	1:259:B:GLU:H	1:259:B:GLU:HG2	16	0.22
(1,499)	1:259:B:GLU:H	1:259:B:GLU:HB3	14	0.22
(1,342)	1:224:B:ASN:HA	1:224:B:ASN:HD22	3	0.22
(1,342)	1:224:B:ASN:HA	1:224:B:ASN:HD22	10	0.22
(1,342)	1:224:B:ASN:HA	1:224:B:ASN:HD22	16	0.22
(1,273)	1:207:B:GLU:H	1:207:B:GLU:HG2	12	0.22
(1,1)	1:103:A:LYS:HA	1:103:A:LYS:HD2	15	0.22
(1,1)	1:103:A:LYS:HA	1:103:A:LYS:HD3	15	0.22
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG21	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG22	13	0.21
(1,2338)	1:160:A:ALA:H	1:208:B:VAL:HG23	13	0.21
(1,2304)	1:157:A:VAL:HG21	1:242:B:LYS:HB2	8	0.21
(1,2304)	1:157:A:VAL:HG22	1:242:B:LYS:HB2	8	0.21
(1,2304)	1:157:A:VAL:HG23	1:242:B:LYS:HB2	8	0.21
(1,2281)	1:156:A:ASP:HB2	1:205:B:HIS:HB3	2	0.21
(1,2281)	1:156:A:ASP:HB3	1:205:B:HIS:HB3	2	0.21
(1,1979)	1:219:B:ARG:HD2	1:231:B:SER:H	14	0.21
(1,1979)	1:219:B:ARG:HD3	1:231:B:SER:H	14	0.21
(1,1792)	1:203:B:LYS:HB3	1:222:B:HIS:HA	12	0.21
(1,1768)	1:121:A:VAL:HG11	1:126:A:ASN:HD22	19	0.21
(1,1768)	1:121:A:VAL:HG12	1:126:A:ASN:HD22	19	0.21
(1,1768)	1:121:A:VAL:HG13	1:126:A:ASN:HD22	19	0.21
(1,1768)	1:121:A:VAL:HG21	1:126:A:ASN:HD22	19	0.21
(1,1768)	1:121:A:VAL:HG22	1:126:A:ASN:HD22	19	0.21
(1,1768)	1:121:A:VAL:HG23	1:126:A:ASN:HD22	19	0.21
(1,1738)	1:119:A:ARG:HG2	1:131:A:SER:H	12	0.21
(1,1738)	1:119:A:ARG:HG3	1:131:A:SER:H	12	0.21
(1,1737)	1:119:A:ARG:HD2	1:131:A:SER:H	15	0.21
(1,1737)	1:119:A:ARG:HD3	1:131:A:SER:H	15	0.21
(1,1737)	1:119:A:ARG:HD2	1:131:A:SER:H	19	0.21
(1,1737)	1:119:A:ARG:HD3	1:131:A:SER:H	19	0.21
(1,1427)	1:231:B:SER:HB2	1:233:B:GLU:HB3	16	0.21
(1,1427)	1:231:B:SER:HB3	1:233:B:GLU:HB3	16	0.21
(1,1249)	1:139:A:GLN:HB2	1:143:A:GLN:HE21	12	0.21
(1,1221)	1:131:A:SER:HB2	1:133:A:GLU:HB3	17	0.21
(1,1221)	1:131:A:SER:HB3	1:133:A:GLU:HB3	17	0.21
(1,1171)	1:113:A:ALA:HA	1:115:A:LYS:HG3	17	0.21
(1,1136)	1:259:B:GLU:HB2	1:260:B:ALA:H	16	0.21
(1,1136)	1:259:B:GLU:HB2	1:260:B:ALA:H	18	0.21
(1,1113)	1:254:B:ASP:HB3	1:255:B:ALA:H	7	0.21
(1,998)	1:232:B:GLY:H	1:233:B:GLU:H	19	0.21
(1,962)	1:225:B:GLY:HA3	1:226:B:ASN:HD21	20	0.21
(1,928)	1:218:B:TRP:HB2	1:219:B:ARG:HD2	12	0.21
(1,928)	1:218:B:TRP:HB2	1:219:B:ARG:HD3	12	0.21
(1,898)	1:214:B:ASP:HA	1:215:B:LYS:HE2	15	0.21
(1,898)	1:214:B:ASP:HA	1:215:B:LYS:HE3	15	0.21
(1,898)	1:214:B:ASP:HA	1:215:B:LYS:HE2	20	0.21
(1,898)	1:214:B:ASP:HA	1:215:B:LYS:HE3	20	0.21
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD1	15	0.21
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD2	15	0.21
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD1	15	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD2	15	0.21
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD1	15	0.21
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD2	15	0.21
(1,838)	1:205:B:HIS:HB3	1:206:B:PHE:H	15	0.21
(1,820)	1:159:A:GLU:HB2	1:160:A:ALA:H	1	0.21
(1,759)	1:149:A:LYS:H	1:150:A:ARG:HB3	1	0.21
(1,592)	1:115:A:LYS:HG3	1:116:A:TYR:H	10	0.21
(1,592)	1:115:A:LYS:HG3	1:116:A:TYR:H	14	0.21
(1,591)	1:115:A:LYS:HB2	1:116:A:TYR:H	8	0.21
(1,591)	1:115:A:LYS:HB2	1:116:A:TYR:H	13	0.21
(1,582)	1:114:A:ASP:HA	1:115:A:LYS:HE2	5	0.21
(1,582)	1:114:A:ASP:HA	1:115:A:LYS:HE3	5	0.21
(1,582)	1:114:A:ASP:HA	1:115:A:LYS:HE2	19	0.21
(1,582)	1:114:A:ASP:HA	1:115:A:LYS:HE3	19	0.21
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD1	5	0.21
(1,541)	1:108:A:VAL:HG21	1:109:A:PHE:HD2	5	0.21
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD1	5	0.21
(1,541)	1:108:A:VAL:HG22	1:109:A:PHE:HD2	5	0.21
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD1	5	0.21
(1,541)	1:108:A:VAL:HG23	1:109:A:PHE:HD2	5	0.21
(1,522)	1:105:A:HIS:HB3	1:106:A:PHE:H	6	0.21
(1,522)	1:105:A:HIS:HB3	1:106:A:PHE:H	7	0.21
(1,502)	1:259:B:GLU:H	1:259:B:GLU:HG2	2	0.21
(1,502)	1:259:B:GLU:H	1:259:B:GLU:HG2	4	0.21
(1,502)	1:259:B:GLU:H	1:259:B:GLU:HG2	7	0.21
(1,502)	1:259:B:GLU:H	1:259:B:GLU:HG2	8	0.21
(1,502)	1:259:B:GLU:H	1:259:B:GLU:HG2	11	0.21
(1,502)	1:259:B:GLU:H	1:259:B:GLU:HG2	15	0.21
(1,502)	1:259:B:GLU:H	1:259:B:GLU:HG2	17	0.21
(1,502)	1:259:B:GLU:H	1:259:B:GLU:HG2	19	0.21
(1,502)	1:259:B:GLU:H	1:259:B:GLU:HG2	20	0.21
(1,499)	1:259:B:GLU:H	1:259:B:GLU:HB3	12	0.21
(1,499)	1:259:B:GLU:H	1:259:B:GLU:HB3	19	0.21
(1,467)	1:250:B:ARG:HA	1:250:B:ARG:HG2	2	0.21
(1,393)	1:238:B:LYS:HG2	1:238:B:LYS:HE2	1	0.21
(1,393)	1:238:B:LYS:HG2	1:238:B:LYS:HE3	1	0.21
(1,393)	1:238:B:LYS:HG2	1:238:B:LYS:HE2	13	0.21
(1,393)	1:238:B:LYS:HG2	1:238:B:LYS:HE3	13	0.21
(1,342)	1:224:B:ASN:HA	1:224:B:ASN:HD22	6	0.21
(1,273)	1:207:B:GLU:H	1:207:B:GLU:HG2	2	0.21
(1,273)	1:207:B:GLU:H	1:207:B:GLU:HG2	6	0.21
(1,250)	1:159:A:GLU:H	1:159:A:GLU:HG2	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,250)	1:159:A:GLU:H	1:159:A:GLU:HG2	3	0.21
(1,250)	1:159:A:GLU:H	1:159:A:GLU:HG2	11	0.21
(1,250)	1:159:A:GLU:H	1:159:A:GLU:HG2	15	0.21
(1,220)	1:150:A:ARG:H	1:150:A:ARG:HD2	20	0.21
(1,220)	1:150:A:ARG:H	1:150:A:ARG:HD3	20	0.21
(1,215)	1:150:A:ARG:HA	1:150:A:ARG:HG2	12	0.21
(1,141)	1:138:A:LYS:HG2	1:138:A:LYS:HE2	3	0.21
(1,141)	1:138:A:LYS:HG2	1:138:A:LYS:HE3	3	0.21
(1,90)	1:124:A:ASN:HA	1:124:A:ASN:HD22	2	0.21
(1,90)	1:124:A:ASN:HA	1:124:A:ASN:HD22	6	0.21
(1,90)	1:124:A:ASN:HA	1:124:A:ASN:HD22	12	0.21
(1,90)	1:124:A:ASN:HA	1:124:A:ASN:HD22	19	0.21
(1,2189)	1:133:A:GLU:HG3	1:227:B:ILE:HG21	11	0.2
(1,2189)	1:133:A:GLU:HG3	1:227:B:ILE:HG22	11	0.2
(1,2189)	1:133:A:GLU:HG3	1:227:B:ILE:HG23	11	0.2
(1,2099)	1:107:A:GLU:HA	1:258:B:ILE:HG12	1	0.2
(1,2076)	1:106:A:PHE:HB2	1:256:B:ASP:HA	2	0.2
(1,2022)	1:231:B:SER:HA	1:245:B:ILE:HA	2	0.2
(1,2022)	1:231:B:SER:HA	1:245:B:ILE:HA	16	0.2
(1,2010)	1:221:B:VAL:HG11	1:226:B:ASN:HD22	4	0.2
(1,2010)	1:221:B:VAL:HG12	1:226:B:ASN:HD22	4	0.2
(1,2010)	1:221:B:VAL:HG13	1:226:B:ASN:HD22	4	0.2
(1,2010)	1:221:B:VAL:HG21	1:226:B:ASN:HD22	4	0.2
(1,2010)	1:221:B:VAL:HG22	1:226:B:ASN:HD22	4	0.2
(1,2010)	1:221:B:VAL:HG23	1:226:B:ASN:HD22	4	0.2
(1,2010)	1:221:B:VAL:HG11	1:226:B:ASN:HD22	10	0.2
(1,2010)	1:221:B:VAL:HG12	1:226:B:ASN:HD22	10	0.2
(1,2010)	1:221:B:VAL:HG13	1:226:B:ASN:HD22	10	0.2
(1,2010)	1:221:B:VAL:HG21	1:226:B:ASN:HD22	10	0.2
(1,2010)	1:221:B:VAL:HG22	1:226:B:ASN:HD22	10	0.2
(1,2010)	1:221:B:VAL:HG23	1:226:B:ASN:HD22	10	0.2
(1,1979)	1:219:B:ARG:HD2	1:231:B:SER:H	13	0.2
(1,1979)	1:219:B:ARG:HD3	1:231:B:SER:H	13	0.2
(1,1909)	1:216:B:TYR:HB3	1:235:B:TYR:H	19	0.2
(1,1768)	1:121:A:VAL:HG11	1:126:A:ASN:HD22	9	0.2
(1,1768)	1:121:A:VAL:HG12	1:126:A:ASN:HD22	9	0.2
(1,1768)	1:121:A:VAL:HG13	1:126:A:ASN:HD22	9	0.2
(1,1768)	1:121:A:VAL:HG21	1:126:A:ASN:HD22	9	0.2
(1,1768)	1:121:A:VAL:HG22	1:126:A:ASN:HD22	9	0.2
(1,1768)	1:121:A:VAL:HG23	1:126:A:ASN:HD22	9	0.2
(1,1705)	1:118:A:TRP:HD1	1:142:A:LYS:HG3	15	0.2
(1,1543)	1:252:B:ALA:H	1:254:B:ASP:H	20	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1427)	1:231:B:SER:HB2	1:233:B:GLU:HB3	12	0.2
(1,1427)	1:231:B:SER:HB3	1:233:B:GLU:HB3	12	0.2
(1,1377)	1:213:B:ALA:HA	1:215:B:LYS:HG3	17	0.2
(1,1352)	1:210:B:VAL:HG11	1:214:B:ASP:HB2	12	0.2
(1,1352)	1:210:B:VAL:HG12	1:214:B:ASP:HB2	12	0.2
(1,1352)	1:210:B:VAL:HG13	1:214:B:ASP:HB2	12	0.2
(1,1309)	1:147:A:SER:HB3	1:149:A:LYS:H	8	0.2
(1,1282)	1:143:A:GLN:HA	1:146:A:GLU:HG2	12	0.2
(1,1203)	1:124:A:ASN:HD22	1:128:A:LEU:HD21	17	0.2
(1,1203)	1:124:A:ASN:HD22	1:128:A:LEU:HD22	17	0.2
(1,1203)	1:124:A:ASN:HD22	1:128:A:LEU:HD23	17	0.2
(1,1146)	1:110:A:VAL:HG11	1:114:A:ASP:HB2	3	0.2
(1,1146)	1:110:A:VAL:HG12	1:114:A:ASP:HB2	3	0.2
(1,1146)	1:110:A:VAL:HG13	1:114:A:ASP:HB2	3	0.2
(1,1136)	1:259:B:GLU:HB2	1:260:B:ALA:H	15	0.2
(1,1129)	1:258:B:ILE:HB	1:259:B:GLU:H	20	0.2
(1,1094)	1:251:B:ASN:HD22	1:252:B:ALA:H	19	0.2
(1,1023)	1:238:B:LYS:H	1:239:B:GLN:HB2	18	0.2
(1,928)	1:218:B:TRP:HB2	1:219:B:ARG:HD2	7	0.2
(1,928)	1:218:B:TRP:HB2	1:219:B:ARG:HD3	7	0.2
(1,908)	1:215:B:LYS:HG3	1:216:B:TYR:H	7	0.2
(1,907)	1:215:B:LYS:HB2	1:216:B:TYR:H	11	0.2
(1,907)	1:215:B:LYS:HB2	1:216:B:TYR:H	14	0.2
(1,901)	1:214:B:ASP:HB3	1:215:B:LYS:HD3	8	0.2
(1,898)	1:214:B:ASP:HA	1:215:B:LYS:HE2	17	0.2
(1,898)	1:214:B:ASP:HA	1:215:B:LYS:HE3	17	0.2
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD1	9	0.2
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD2	9	0.2
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD1	9	0.2
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD2	9	0.2
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD1	9	0.2
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD2	9	0.2
(1,838)	1:205:B:HIS:HB3	1:206:B:PHE:H	5	0.2
(1,838)	1:205:B:HIS:HB3	1:206:B:PHE:H	14	0.2
(1,820)	1:159:A:GLU:HB2	1:160:A:ALA:H	4	0.2
(1,820)	1:159:A:GLU:HB2	1:160:A:ALA:H	10	0.2
(1,820)	1:159:A:GLU:HB2	1:160:A:ALA:H	13	0.2
(1,759)	1:149:A:LYS:H	1:150:A:ARG:HB3	3	0.2
(1,729)	1:142:A:LYS:HE2	1:143:A:GLN:HE21	18	0.2
(1,707)	1:138:A:LYS:H	1:139:A:GLN:HB2	16	0.2
(1,612)	1:118:A:TRP:HB2	1:119:A:ARG:HD2	10	0.2
(1,612)	1:118:A:TRP:HB2	1:119:A:ARG:HD3	10	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,612)	1:118:A:TRP:HB2	1:119:A:ARG:HD2	12	0.2
(1,612)	1:118:A:TRP:HB2	1:119:A:ARG:HD3	12	0.2
(1,592)	1:115:A:LYS:HG3	1:116:A:TYR:H	16	0.2
(1,592)	1:115:A:LYS:HG3	1:116:A:TYR:H	18	0.2
(1,582)	1:114:A:ASP:HA	1:115:A:LYS:HE2	18	0.2
(1,582)	1:114:A:ASP:HA	1:115:A:LYS:HE3	18	0.2
(1,522)	1:105:A:HIS:HB3	1:106:A:PHE:H	4	0.2
(1,522)	1:105:A:HIS:HB3	1:106:A:PHE:H	8	0.2
(1,522)	1:105:A:HIS:HB3	1:106:A:PHE:H	14	0.2
(1,522)	1:105:A:HIS:HB3	1:106:A:PHE:H	20	0.2
(1,493)	1:258:B:ILE:H	1:258:B:ILE:HB	1	0.2
(1,466)	1:250:B:ARG:HA	1:250:B:ARG:HG3	16	0.2
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD11	13	0.2
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD12	13	0.2
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD13	13	0.2
(1,395)	1:238:B:LYS:H	1:238:B:LYS:HD2	4	0.2
(1,395)	1:238:B:LYS:H	1:238:B:LYS:HD3	4	0.2
(1,393)	1:238:B:LYS:HG2	1:238:B:LYS:HE2	14	0.2
(1,393)	1:238:B:LYS:HG2	1:238:B:LYS:HE3	14	0.2
(1,342)	1:224:B:ASN:HA	1:224:B:ASN:HD22	11	0.2
(1,342)	1:224:B:ASN:HA	1:224:B:ASN:HD22	12	0.2
(1,250)	1:159:A:GLU:H	1:159:A:GLU:HG2	5	0.2
(1,250)	1:159:A:GLU:H	1:159:A:GLU:HG2	6	0.2
(1,250)	1:159:A:GLU:H	1:159:A:GLU:HG2	7	0.2
(1,250)	1:159:A:GLU:H	1:159:A:GLU:HG2	16	0.2
(1,250)	1:159:A:GLU:H	1:159:A:GLU:HG2	20	0.2
(1,141)	1:138:A:LYS:HG2	1:138:A:LYS:HE2	1	0.2
(1,141)	1:138:A:LYS:HG2	1:138:A:LYS:HE3	1	0.2
(1,141)	1:138:A:LYS:HG2	1:138:A:LYS:HE2	14	0.2
(1,141)	1:138:A:LYS:HG2	1:138:A:LYS:HE3	14	0.2
(1,90)	1:124:A:ASN:HA	1:124:A:ASN:HD22	13	0.2
(1,43)	1:114:A:ASP:H	1:114:A:ASP:HB3	10	0.2
(1,1)	1:103:A:LYS:HA	1:103:A:LYS:HD2	13	0.2
(1,1)	1:103:A:LYS:HA	1:103:A:LYS:HD3	13	0.2
(1,2329)	1:158:A:ILE:H	1:245:B:ILE:HG21	9	0.19
(1,2329)	1:158:A:ILE:H	1:245:B:ILE:HG22	9	0.19
(1,2329)	1:158:A:ILE:H	1:245:B:ILE:HG23	9	0.19
(1,2316)	1:158:A:ILE:HD11	1:207:B:GLU:HG3	5	0.19
(1,2316)	1:158:A:ILE:HD12	1:207:B:GLU:HG3	5	0.19
(1,2316)	1:158:A:ILE:HD13	1:207:B:GLU:HG3	5	0.19
(1,2311)	1:158:A:ILE:HB	1:207:B:GLU:HG3	19	0.19
(1,2102)	1:107:A:GLU:HG3	1:258:B:ILE:HB	4	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2024)	1:231:B:SER:HB2	1:244:B:GLY:H	3	0.19
(1,2024)	1:231:B:SER:HB3	1:244:B:GLY:H	3	0.19
(1,2010)	1:221:B:VAL:HG11	1:226:B:ASN:HD22	6	0.19
(1,2010)	1:221:B:VAL:HG12	1:226:B:ASN:HD22	6	0.19
(1,2010)	1:221:B:VAL:HG13	1:226:B:ASN:HD22	6	0.19
(1,2010)	1:221:B:VAL:HG21	1:226:B:ASN:HD22	6	0.19
(1,2010)	1:221:B:VAL:HG22	1:226:B:ASN:HD22	6	0.19
(1,2010)	1:221:B:VAL:HG23	1:226:B:ASN:HD22	6	0.19
(1,1909)	1:216:B:TYR:HB3	1:235:B:TYR:H	5	0.19
(1,1909)	1:216:B:TYR:HB3	1:235:B:TYR:H	18	0.19
(1,1909)	1:216:B:TYR:HB3	1:235:B:TYR:H	20	0.19
(1,1780)	1:131:A:SER:HA	1:145:A:ILE:HA	17	0.19
(1,1737)	1:119:A:ARG:HD2	1:131:A:SER:H	13	0.19
(1,1737)	1:119:A:ARG:HD3	1:131:A:SER:H	13	0.19
(1,1543)	1:252:B:ALA:H	1:254:B:ASP:H	7	0.19
(1,1515)	1:247:B:SER:HB3	1:249:B:LYS:H	4	0.19
(1,1455)	1:239:B:GLN:HB2	1:243:B:GLN:HE21	13	0.19
(1,1227)	1:133:A:GLU:HG2	1:135:A:TYR:HE1	3	0.19
(1,1227)	1:133:A:GLU:HG2	1:135:A:TYR:HE2	3	0.19
(1,1227)	1:133:A:GLU:HG2	1:135:A:TYR:HE1	9	0.19
(1,1227)	1:133:A:GLU:HG2	1:135:A:TYR:HE2	9	0.19
(1,1221)	1:131:A:SER:HB2	1:133:A:GLU:HB3	7	0.19
(1,1221)	1:131:A:SER:HB3	1:133:A:GLU:HB3	7	0.19
(1,1187)	1:122:A:HIS:HB2	1:126:A:ASN:HB2	10	0.19
(1,1187)	1:122:A:HIS:HB2	1:126:A:ASN:HB2	17	0.19
(1,1171)	1:113:A:ALA:HA	1:115:A:LYS:HG3	3	0.19
(1,1136)	1:259:B:GLU:HB2	1:260:B:ALA:H	2	0.19
(1,1136)	1:259:B:GLU:HB2	1:260:B:ALA:H	4	0.19
(1,1136)	1:259:B:GLU:HB2	1:260:B:ALA:H	5	0.19
(1,1136)	1:259:B:GLU:HB2	1:260:B:ALA:H	10	0.19
(1,1045)	1:242:B:LYS:HE2	1:243:B:GLN:HE21	6	0.19
(1,962)	1:225:B:GLY:HA3	1:226:B:ASN:HD21	5	0.19
(1,962)	1:225:B:GLY:HA3	1:226:B:ASN:HD21	7	0.19
(1,928)	1:218:B:TRP:HB2	1:219:B:ARG:HD2	14	0.19
(1,928)	1:218:B:TRP:HB2	1:219:B:ARG:HD3	14	0.19
(1,917)	1:217:B:ARG:HG3	1:218:B:TRP:H	8	0.19
(1,908)	1:215:B:LYS:HG3	1:216:B:TYR:H	1	0.19
(1,908)	1:215:B:LYS:HG3	1:216:B:TYR:H	8	0.19
(1,908)	1:215:B:LYS:HG3	1:216:B:TYR:H	11	0.19
(1,908)	1:215:B:LYS:HG3	1:216:B:TYR:H	13	0.19
(1,908)	1:215:B:LYS:HG3	1:216:B:TYR:H	14	0.19
(1,908)	1:215:B:LYS:HG3	1:216:B:TYR:H	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,907)	1:215:B:LYS:HB2	1:216:B:TYR:H	15	0.19
(1,902)	1:214:B:ASP:H	1:215:B:LYS:HG3	14	0.19
(1,898)	1:214:B:ASP:HA	1:215:B:LYS:HE2	18	0.19
(1,898)	1:214:B:ASP:HA	1:215:B:LYS:HE3	18	0.19
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD1	17	0.19
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD2	17	0.19
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD1	17	0.19
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD2	17	0.19
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD1	17	0.19
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD2	17	0.19
(1,848)	1:206:B:PHE:H	1:207:B:GLU:HG2	4	0.19
(1,838)	1:205:B:HIS:HB3	1:206:B:PHE:H	10	0.19
(1,838)	1:205:B:HIS:HB3	1:206:B:PHE:H	13	0.19
(1,838)	1:205:B:HIS:HB3	1:206:B:PHE:H	18	0.19
(1,814)	1:158:A:ILE:HD11	1:159:A:GLU:H	1	0.19
(1,814)	1:158:A:ILE:HD12	1:159:A:GLU:H	1	0.19
(1,814)	1:158:A:ILE:HD13	1:159:A:GLU:H	1	0.19
(1,813)	1:158:A:ILE:HB	1:159:A:GLU:H	10	0.19
(1,797)	1:154:A:ASP:HB3	1:155:A:ALA:H	9	0.19
(1,769)	1:150:A:ARG:HG3	1:151:A:ASN:HD21	13	0.19
(1,759)	1:149:A:LYS:H	1:150:A:ARG:HB3	5	0.19
(1,729)	1:142:A:LYS:HE2	1:143:A:GLN:HE21	2	0.19
(1,707)	1:138:A:LYS:H	1:139:A:GLN:HB2	10	0.19
(1,646)	1:125:A:GLY:HA3	1:126:A:ASN:HD21	19	0.19
(1,601)	1:117:A:ARG:HG3	1:118:A:TRP:H	1	0.19
(1,592)	1:115:A:LYS:HG3	1:116:A:TYR:H	3	0.19
(1,592)	1:115:A:LYS:HG3	1:116:A:TYR:H	11	0.19
(1,592)	1:115:A:LYS:HG3	1:116:A:TYR:H	12	0.19
(1,592)	1:115:A:LYS:HG3	1:116:A:TYR:H	13	0.19
(1,591)	1:115:A:LYS:HB2	1:116:A:TYR:H	3	0.19
(1,591)	1:115:A:LYS:HB2	1:116:A:TYR:H	14	0.19
(1,586)	1:114:A:ASP:H	1:115:A:LYS:HG3	3	0.19
(1,582)	1:114:A:ASP:HA	1:115:A:LYS:HE2	3	0.19
(1,582)	1:114:A:ASP:HA	1:115:A:LYS:HE3	3	0.19
(1,582)	1:114:A:ASP:HA	1:115:A:LYS:HE2	10	0.19
(1,582)	1:114:A:ASP:HA	1:115:A:LYS:HE3	10	0.19
(1,582)	1:114:A:ASP:HA	1:115:A:LYS:HE2	20	0.19
(1,582)	1:114:A:ASP:HA	1:115:A:LYS:HE3	20	0.19
(1,522)	1:105:A:HIS:HB3	1:106:A:PHE:H	5	0.19
(1,507)	1:102:A:ASN:HA	1:103:A:LYS:HG3	13	0.19
(1,393)	1:238:B:LYS:HG2	1:238:B:LYS:HE2	20	0.19
(1,393)	1:238:B:LYS:HG2	1:238:B:LYS:HE3	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,342)	1:224:B:ASN:HA	1:224:B:ASN:HD22	19	0.19
(1,295)	1:214:B:ASP:H	1:214:B:ASP:HB3	7	0.19
(1,295)	1:214:B:ASP:H	1:214:B:ASP:HB3	11	0.19
(1,295)	1:214:B:ASP:H	1:214:B:ASP:HB3	13	0.19
(1,295)	1:214:B:ASP:H	1:214:B:ASP:HB3	20	0.19
(1,250)	1:159:A:GLU:H	1:159:A:GLU:HG2	14	0.19
(1,250)	1:159:A:GLU:H	1:159:A:GLU:HG2	19	0.19
(1,213)	1:150:A:ARG:HA	1:150:A:ARG:HD2	20	0.19
(1,213)	1:150:A:ARG:HA	1:150:A:ARG:HD3	20	0.19
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD11	6	0.19
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD12	6	0.19
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD13	6	0.19
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD11	14	0.19
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD12	14	0.19
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD13	14	0.19
(1,141)	1:138:A:LYS:HG2	1:138:A:LYS:HE2	13	0.19
(1,141)	1:138:A:LYS:HG2	1:138:A:LYS:HE3	13	0.19
(1,90)	1:124:A:ASN:HA	1:124:A:ASN:HD22	8	0.19
(1,43)	1:114:A:ASP:H	1:114:A:ASP:HB3	1	0.19
(1,43)	1:114:A:ASP:H	1:114:A:ASP:HB3	7	0.19
(1,43)	1:114:A:ASP:H	1:114:A:ASP:HB3	8	0.19
(1,43)	1:114:A:ASP:H	1:114:A:ASP:HB3	9	0.19
(1,43)	1:114:A:ASP:H	1:114:A:ASP:HB3	12	0.19
(1,2316)	1:158:A:ILE:HD11	1:207:B:GLU:HG3	12	0.18
(1,2316)	1:158:A:ILE:HD12	1:207:B:GLU:HG3	12	0.18
(1,2316)	1:158:A:ILE:HD13	1:207:B:GLU:HG3	12	0.18
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB1	8	0.18
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB2	8	0.18
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB3	8	0.18
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB1	8	0.18
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB2	8	0.18
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB3	8	0.18
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB1	8	0.18
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB2	8	0.18
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB3	8	0.18
(1,2192)	1:142:A:LYS:HB2	1:257:B:VAL:HG21	19	0.18
(1,2192)	1:142:A:LYS:HB2	1:257:B:VAL:HG22	19	0.18
(1,2192)	1:142:A:LYS:HB2	1:257:B:VAL:HG23	19	0.18
(1,2102)	1:107:A:GLU:HG3	1:258:B:ILE:HB	7	0.18
(1,2102)	1:107:A:GLU:HG3	1:258:B:ILE:HB	11	0.18
(1,2076)	1:106:A:PHE:HB2	1:256:B:ASP:HA	12	0.18
(1,2064)	1:105:A:HIS:HB3	1:256:B:ASP:HB2	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2064)	1:105:A:HIS:HB3	1:256:B:ASP:HB3	5	0.18
(1,2064)	1:105:A:HIS:HB3	1:256:B:ASP:HB2	17	0.18
(1,2064)	1:105:A:HIS:HB3	1:256:B:ASP:HB3	17	0.18
(1,2024)	1:231:B:SER:HB2	1:244:B:GLY:H	4	0.18
(1,2024)	1:231:B:SER:HB3	1:244:B:GLY:H	4	0.18
(1,2024)	1:231:B:SER:HB2	1:244:B:GLY:H	12	0.18
(1,2024)	1:231:B:SER:HB3	1:244:B:GLY:H	12	0.18
(1,2024)	1:231:B:SER:HB2	1:244:B:GLY:H	20	0.18
(1,2024)	1:231:B:SER:HB3	1:244:B:GLY:H	20	0.18
(1,2022)	1:231:B:SER:HA	1:245:B:ILE:HA	17	0.18
(1,1907)	1:215:B:LYS:HG2	1:235:B:TYR:H	8	0.18
(1,1790)	1:148:A:VAL:HG21	1:153:A:PRO:HD2	3	0.18
(1,1790)	1:148:A:VAL:HG22	1:153:A:PRO:HD2	3	0.18
(1,1790)	1:148:A:VAL:HG23	1:153:A:PRO:HD2	3	0.18
(1,1782)	1:131:A:SER:HB2	1:144:A:GLY:H	20	0.18
(1,1782)	1:131:A:SER:HB3	1:144:A:GLY:H	20	0.18
(1,1780)	1:131:A:SER:HA	1:145:A:ILE:HA	15	0.18
(1,1768)	1:121:A:VAL:HG11	1:126:A:ASN:HD22	4	0.18
(1,1768)	1:121:A:VAL:HG12	1:126:A:ASN:HD22	4	0.18
(1,1768)	1:121:A:VAL:HG13	1:126:A:ASN:HD22	4	0.18
(1,1768)	1:121:A:VAL:HG21	1:126:A:ASN:HD22	4	0.18
(1,1768)	1:121:A:VAL:HG22	1:126:A:ASN:HD22	4	0.18
(1,1768)	1:121:A:VAL:HG23	1:126:A:ASN:HD22	4	0.18
(1,1667)	1:116:A:TYR:HB3	1:135:A:TYR:H	4	0.18
(1,1655)	1:110:A:VAL:HG11	1:116:A:TYR:H	13	0.18
(1,1655)	1:110:A:VAL:HG12	1:116:A:TYR:H	13	0.18
(1,1655)	1:110:A:VAL:HG13	1:116:A:TYR:H	13	0.18
(1,1488)	1:243:B:GLN:HA	1:246:B:GLU:HG2	13	0.18
(1,1488)	1:243:B:GLN:HA	1:246:B:GLU:HG2	20	0.18
(1,1427)	1:231:B:SER:HB2	1:233:B:GLU:HB3	13	0.18
(1,1427)	1:231:B:SER:HB3	1:233:B:GLU:HB3	13	0.18
(1,1377)	1:213:B:ALA:HA	1:215:B:LYS:HG3	15	0.18
(1,1352)	1:210:B:VAL:HG11	1:214:B:ASP:HB2	1	0.18
(1,1352)	1:210:B:VAL:HG12	1:214:B:ASP:HB2	1	0.18
(1,1352)	1:210:B:VAL:HG13	1:214:B:ASP:HB2	1	0.18
(1,1352)	1:210:B:VAL:HG11	1:214:B:ASP:HB2	3	0.18
(1,1352)	1:210:B:VAL:HG12	1:214:B:ASP:HB2	3	0.18
(1,1352)	1:210:B:VAL:HG13	1:214:B:ASP:HB2	3	0.18
(1,1337)	1:152:A:ALA:H	1:154:A:ASP:H	3	0.18
(1,1282)	1:143:A:GLN:HA	1:146:A:GLU:HG2	7	0.18
(1,1221)	1:131:A:SER:HB2	1:133:A:GLU:HB3	4	0.18
(1,1221)	1:131:A:SER:HB3	1:133:A:GLU:HB3	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1177)	1:115:A:LYS:HB2	1:117:A:ARG:HG2	5	0.18
(1,1136)	1:259:B:GLU:HB2	1:260:B:ALA:H	7	0.18
(1,1136)	1:259:B:GLU:HB2	1:260:B:ALA:H	20	0.18
(1,1113)	1:254:B:ASP:HB3	1:255:B:ALA:H	18	0.18
(1,1094)	1:251:B:ASN:HD22	1:252:B:ALA:H	10	0.18
(1,1094)	1:251:B:ASN:HD22	1:252:B:ALA:H	13	0.18
(1,1085)	1:250:B:ARG:HG3	1:251:B:ASN:HD21	13	0.18
(1,917)	1:217:B:ARG:HG3	1:218:B:TRP:H	1	0.18
(1,908)	1:215:B:LYS:HG3	1:216:B:TYR:H	20	0.18
(1,907)	1:215:B:LYS:HB2	1:216:B:TYR:H	8	0.18
(1,898)	1:214:B:ASP:HA	1:215:B:LYS:HE2	13	0.18
(1,898)	1:214:B:ASP:HA	1:215:B:LYS:HE3	13	0.18
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD1	13	0.18
(1,857)	1:208:B:VAL:HG21	1:209:B:PHE:HD2	13	0.18
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD1	13	0.18
(1,857)	1:208:B:VAL:HG22	1:209:B:PHE:HD2	13	0.18
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD1	13	0.18
(1,857)	1:208:B:VAL:HG23	1:209:B:PHE:HD2	13	0.18
(1,838)	1:205:B:HIS:HB3	1:206:B:PHE:H	2	0.18
(1,838)	1:205:B:HIS:HB3	1:206:B:PHE:H	3	0.18
(1,838)	1:205:B:HIS:HB3	1:206:B:PHE:H	4	0.18
(1,838)	1:205:B:HIS:HB3	1:206:B:PHE:H	17	0.18
(1,820)	1:159:A:GLU:HB2	1:160:A:ALA:H	15	0.18
(1,646)	1:125:A:GLY:HA3	1:126:A:ASN:HD21	6	0.18
(1,646)	1:125:A:GLY:HA3	1:126:A:ASN:HD21	7	0.18
(1,601)	1:117:A:ARG:HG3	1:118:A:TRP:H	14	0.18
(1,592)	1:115:A:LYS:HG3	1:116:A:TYR:H	1	0.18
(1,592)	1:115:A:LYS:HG3	1:116:A:TYR:H	5	0.18
(1,592)	1:115:A:LYS:HG3	1:116:A:TYR:H	19	0.18
(1,592)	1:115:A:LYS:HG3	1:116:A:TYR:H	20	0.18
(1,591)	1:115:A:LYS:HB2	1:116:A:TYR:H	11	0.18
(1,591)	1:115:A:LYS:HB2	1:116:A:TYR:H	18	0.18
(1,591)	1:115:A:LYS:HB2	1:116:A:TYR:H	20	0.18
(1,586)	1:114:A:ASP:H	1:115:A:LYS:HG3	1	0.18
(1,582)	1:114:A:ASP:HA	1:115:A:LYS:HE2	7	0.18
(1,582)	1:114:A:ASP:HA	1:115:A:LYS:HE3	7	0.18
(1,522)	1:105:A:HIS:HB3	1:106:A:PHE:H	1	0.18
(1,522)	1:105:A:HIS:HB3	1:106:A:PHE:H	3	0.18
(1,522)	1:105:A:HIS:HB3	1:106:A:PHE:H	15	0.18
(1,522)	1:105:A:HIS:HB3	1:106:A:PHE:H	17	0.18
(1,522)	1:105:A:HIS:HB3	1:106:A:PHE:H	19	0.18
(1,502)	1:259:B:GLU:H	1:259:B:GLU:HG2	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,467)	1:250:B:ARG:HA	1:250:B:ARG:HG2	12	0.18
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD11	2	0.18
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD12	2	0.18
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD13	2	0.18
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD11	3	0.18
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD12	3	0.18
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD13	3	0.18
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD11	14	0.18
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD12	14	0.18
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD13	14	0.18
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD11	18	0.18
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD12	18	0.18
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD13	18	0.18
(1,342)	1:224:B:ASN:HA	1:224:B:ASN:HD22	5	0.18
(1,295)	1:214:B:ASP:H	1:214:B:ASP:HB3	1	0.18
(1,295)	1:214:B:ASP:H	1:214:B:ASP:HB3	5	0.18
(1,295)	1:214:B:ASP:H	1:214:B:ASP:HB3	16	0.18
(1,295)	1:214:B:ASP:H	1:214:B:ASP:HB3	17	0.18
(1,250)	1:159:A:GLU:H	1:159:A:GLU:HG2	18	0.18
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD11	5	0.18
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD12	5	0.18
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD13	5	0.18
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD11	8	0.18
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD12	8	0.18
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD13	8	0.18
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD11	13	0.18
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD12	13	0.18
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD13	13	0.18
(1,90)	1:124:A:ASN:HA	1:124:A:ASN:HD22	5	0.18
(1,90)	1:124:A:ASN:HA	1:124:A:ASN:HD22	16	0.18
(1,43)	1:114:A:ASP:H	1:114:A:ASP:HB3	3	0.18
(1,43)	1:114:A:ASP:H	1:114:A:ASP:HB3	5	0.18
(1,43)	1:114:A:ASP:H	1:114:A:ASP:HB3	11	0.18
(1,43)	1:114:A:ASP:H	1:114:A:ASP:HB3	14	0.18
(1,43)	1:114:A:ASP:H	1:114:A:ASP:HB3	15	0.18
(1,43)	1:114:A:ASP:H	1:114:A:ASP:HB3	17	0.18
(1,43)	1:114:A:ASP:H	1:114:A:ASP:HB3	20	0.18
(1,2311)	1:158:A:ILE:HB	1:207:B:GLU:HG3	10	0.17
(1,2281)	1:156:A:ASP:HB2	1:205:B:HIS:HB3	11	0.17
(1,2281)	1:156:A:ASP:HB3	1:205:B:HIS:HB3	11	0.17
(1,2234)	1:151:A:ASN:HD22	1:201:B:MET:HE1	4	0.17
(1,2234)	1:151:A:ASN:HD22	1:201:B:MET:HE2	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2234)	1:151:A:ASN:HD22	1:201:B:MET:HE3	4	0.17
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB1	18	0.17
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB2	18	0.17
(1,2212)	1:148:A:VAL:HG11	1:229:B:ALA:HB3	18	0.17
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB1	18	0.17
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB2	18	0.17
(1,2212)	1:148:A:VAL:HG12	1:229:B:ALA:HB3	18	0.17
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB1	18	0.17
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB2	18	0.17
(1,2212)	1:148:A:VAL:HG13	1:229:B:ALA:HB3	18	0.17
(1,2192)	1:142:A:LYS:HB2	1:257:B:VAL:HG21	7	0.17
(1,2192)	1:142:A:LYS:HB2	1:257:B:VAL:HG22	7	0.17
(1,2192)	1:142:A:LYS:HB2	1:257:B:VAL:HG23	7	0.17
(1,2143)	1:127:A:ILE:HG21	1:233:B:GLU:HG3	6	0.17
(1,2143)	1:127:A:ILE:HG22	1:233:B:GLU:HG3	6	0.17
(1,2143)	1:127:A:ILE:HG23	1:233:B:GLU:HG3	6	0.17
(1,2076)	1:106:A:PHE:HB2	1:256:B:ASP:HA	4	0.17
(1,2064)	1:105:A:HIS:HB3	1:256:B:ASP:HB2	3	0.17
(1,2064)	1:105:A:HIS:HB3	1:256:B:ASP:HB3	3	0.17
(1,2035)	1:101:A:MET:HE1	1:251:B:ASN:HD22	1	0.17
(1,2035)	1:101:A:MET:HE2	1:251:B:ASN:HD22	1	0.17
(1,2035)	1:101:A:MET:HE3	1:251:B:ASN:HD22	1	0.17
(1,2035)	1:101:A:MET:HE1	1:251:B:ASN:HD22	4	0.17
(1,2035)	1:101:A:MET:HE2	1:251:B:ASN:HD22	4	0.17
(1,2035)	1:101:A:MET:HE3	1:251:B:ASN:HD22	4	0.17
(1,2022)	1:231:B:SER:HA	1:245:B:ILE:HA	9	0.17
(1,2022)	1:231:B:SER:HA	1:245:B:ILE:HA	20	0.17
(1,1782)	1:131:A:SER:HB2	1:144:A:GLY:H	6	0.17
(1,1782)	1:131:A:SER:HB3	1:144:A:GLY:H	6	0.17
(1,1782)	1:131:A:SER:HB2	1:144:A:GLY:H	8	0.17
(1,1782)	1:131:A:SER:HB3	1:144:A:GLY:H	8	0.17
(1,1782)	1:131:A:SER:HB2	1:144:A:GLY:H	15	0.17
(1,1782)	1:131:A:SER:HB3	1:144:A:GLY:H	15	0.17
(1,1782)	1:131:A:SER:HB2	1:144:A:GLY:H	17	0.17
(1,1782)	1:131:A:SER:HB3	1:144:A:GLY:H	17	0.17
(1,1780)	1:131:A:SER:HA	1:145:A:ILE:HA	6	0.17
(1,1780)	1:131:A:SER:HA	1:145:A:ILE:HA	10	0.17
(1,1780)	1:131:A:SER:HA	1:145:A:ILE:HA	16	0.17
(1,1768)	1:121:A:VAL:HG11	1:126:A:ASN:HD22	1	0.17
(1,1768)	1:121:A:VAL:HG12	1:126:A:ASN:HD22	1	0.17
(1,1768)	1:121:A:VAL:HG13	1:126:A:ASN:HD22	1	0.17
(1,1768)	1:121:A:VAL:HG21	1:126:A:ASN:HD22	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1768)	1:121:A:VAL:HG22	1:126:A:ASN:HD22	1	0.17
(1,1768)	1:121:A:VAL:HG23	1:126:A:ASN:HD22	1	0.17
(1,1768)	1:121:A:VAL:HG11	1:126:A:ASN:HD22	13	0.17
(1,1768)	1:121:A:VAL:HG12	1:126:A:ASN:HD22	13	0.17
(1,1768)	1:121:A:VAL:HG13	1:126:A:ASN:HD22	13	0.17
(1,1768)	1:121:A:VAL:HG21	1:126:A:ASN:HD22	13	0.17
(1,1768)	1:121:A:VAL:HG22	1:126:A:ASN:HD22	13	0.17
(1,1768)	1:121:A:VAL:HG23	1:126:A:ASN:HD22	13	0.17
(1,1614)	1:108:A:VAL:HG11	1:118:A:TRP:H	16	0.17
(1,1614)	1:108:A:VAL:HG12	1:118:A:TRP:H	16	0.17
(1,1614)	1:108:A:VAL:HG13	1:118:A:TRP:H	16	0.17
(1,1543)	1:252:B:ALA:H	1:254:B:ASP:H	9	0.17
(1,1543)	1:252:B:ALA:H	1:254:B:ASP:H	18	0.17
(1,1515)	1:247:B:SER:HB3	1:249:B:LYS:H	14	0.17
(1,1488)	1:243:B:GLN:HA	1:246:B:GLU:HG2	16	0.17
(1,1488)	1:243:B:GLN:HA	1:246:B:GLU:HG2	17	0.17
(1,1427)	1:231:B:SER:HB2	1:233:B:GLU:HB3	5	0.17
(1,1427)	1:231:B:SER:HB3	1:233:B:GLU:HB3	5	0.17
(1,1427)	1:231:B:SER:HB2	1:233:B:GLU:HB3	17	0.17
(1,1427)	1:231:B:SER:HB3	1:233:B:GLU:HB3	17	0.17
(1,1405)	1:224:B:ASN:HD21	1:226:B:ASN:HD21	18	0.17
(1,1377)	1:213:B:ALA:HA	1:215:B:LYS:HG3	1	0.17
(1,1377)	1:213:B:ALA:HA	1:215:B:LYS:HG3	8	0.17
(1,1359)	1:210:B:VAL:HG21	1:214:B:ASP:HB3	15	0.17
(1,1359)	1:210:B:VAL:HG22	1:214:B:ASP:HB3	15	0.17
(1,1359)	1:210:B:VAL:HG23	1:214:B:ASP:HB3	15	0.17
(1,1337)	1:152:A:ALA:H	1:154:A:ASP:H	2	0.17
(1,1337)	1:152:A:ALA:H	1:154:A:ASP:H	13	0.17
(1,1282)	1:143:A:GLN:HA	1:146:A:GLU:HG2	10	0.17
(1,1282)	1:143:A:GLN:HA	1:146:A:GLU:HG2	14	0.17
(1,1221)	1:131:A:SER:HB2	1:133:A:GLU:HB3	14	0.17
(1,1221)	1:131:A:SER:HB3	1:133:A:GLU:HB3	14	0.17
(1,1158)	1:111:A:ASP:HB3	1:115:A:LYS:HB3	11	0.17
(1,1146)	1:110:A:VAL:HG11	1:114:A:ASP:HB2	10	0.17
(1,1146)	1:110:A:VAL:HG12	1:114:A:ASP:HB2	10	0.17
(1,1146)	1:110:A:VAL:HG13	1:114:A:ASP:HB2	10	0.17
(1,1136)	1:259:B:GLU:HB2	1:260:B:ALA:H	6	0.17
(1,1136)	1:259:B:GLU:HB2	1:260:B:ALA:H	9	0.17
(1,1136)	1:259:B:GLU:HB2	1:260:B:ALA:H	11	0.17
(1,1136)	1:259:B:GLU:HB2	1:260:B:ALA:H	12	0.17
(1,1094)	1:251:B:ASN:HD22	1:252:B:ALA:H	6	0.17
(1,1045)	1:242:B:LYS:HE2	1:243:B:GLN:HE21	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1045)	1:242:B:LYS:HE2	1:243:B:GLN:HE21	7	0.17
(1,1045)	1:242:B:LYS:HE2	1:243:B:GLN:HE21	17	0.17
(1,1023)	1:238:B:LYS:H	1:239:B:GLN:HB2	14	0.17
(1,1004)	1:233:B:GLU:HG2	1:234:B:GLY:H	7	0.17
(1,1004)	1:233:B:GLU:HG2	1:234:B:GLY:H	18	0.17
(1,917)	1:217:B:ARG:HG3	1:218:B:TRP:H	3	0.17
(1,907)	1:215:B:LYS:HB2	1:216:B:TYR:H	7	0.17
(1,902)	1:214:B:ASP:H	1:215:B:LYS:HG3	1	0.17
(1,902)	1:214:B:ASP:H	1:215:B:LYS:HG3	5	0.17
(1,902)	1:214:B:ASP:H	1:215:B:LYS:HG3	7	0.17
(1,902)	1:214:B:ASP:H	1:215:B:LYS:HG3	8	0.17
(1,902)	1:214:B:ASP:H	1:215:B:LYS:HG3	13	0.17
(1,902)	1:214:B:ASP:H	1:215:B:LYS:HG3	17	0.17
(1,902)	1:214:B:ASP:H	1:215:B:LYS:HG3	20	0.17
(1,838)	1:205:B:HIS:HB3	1:206:B:PHE:H	6	0.17
(1,838)	1:205:B:HIS:HB3	1:206:B:PHE:H	7	0.17
(1,838)	1:205:B:HIS:HB3	1:206:B:PHE:H	9	0.17
(1,820)	1:159:A:GLU:HB2	1:160:A:ALA:H	17	0.17
(1,778)	1:151:A:ASN:HD22	1:152:A:ALA:H	9	0.17
(1,778)	1:151:A:ASN:HD22	1:152:A:ALA:H	10	0.17
(1,778)	1:151:A:ASN:HD22	1:152:A:ALA:H	19	0.17
(1,707)	1:138:A:LYS:H	1:139:A:GLN:HB2	14	0.17
(1,692)	1:135:A:TYR:HB3	1:136:A:ALA:HA	6	0.17
(1,688)	1:133:A:GLU:HG2	1:134:A:GLY:H	7	0.17
(1,688)	1:133:A:GLU:HG2	1:134:A:GLY:H	19	0.17
(1,646)	1:125:A:GLY:HA3	1:126:A:ASN:HD21	13	0.17
(1,601)	1:117:A:ARG:HG3	1:118:A:TRP:H	3	0.17
(1,601)	1:117:A:ARG:HG3	1:118:A:TRP:H	10	0.17
(1,592)	1:115:A:LYS:HG3	1:116:A:TYR:H	7	0.17
(1,592)	1:115:A:LYS:HG3	1:116:A:TYR:H	9	0.17
(1,592)	1:115:A:LYS:HG3	1:116:A:TYR:H	17	0.17
(1,591)	1:115:A:LYS:HB2	1:116:A:TYR:H	5	0.17
(1,591)	1:115:A:LYS:HB2	1:116:A:TYR:H	9	0.17
(1,591)	1:115:A:LYS:HB2	1:116:A:TYR:H	10	0.17
(1,591)	1:115:A:LYS:HB2	1:116:A:TYR:H	16	0.17
(1,586)	1:114:A:ASP:H	1:115:A:LYS:HG3	8	0.17
(1,586)	1:114:A:ASP:H	1:115:A:LYS:HG3	9	0.17
(1,586)	1:114:A:ASP:H	1:115:A:LYS:HG3	10	0.17
(1,586)	1:114:A:ASP:H	1:115:A:LYS:HG3	17	0.17
(1,586)	1:114:A:ASP:H	1:115:A:LYS:HG3	20	0.17
(1,522)	1:105:A:HIS:HB3	1:106:A:PHE:H	2	0.17
(1,522)	1:105:A:HIS:HB3	1:106:A:PHE:H	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,522)	1:105:A:HIS:HB3	1:106:A:PHE:H	16	0.17
(1,507)	1:102:A:ASN:HA	1:103:A:LYS:HG3	15	0.17
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD11	1	0.17
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD12	1	0.17
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD13	1	0.17
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD11	4	0.17
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD12	4	0.17
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD13	4	0.17
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD11	5	0.17
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD12	5	0.17
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD13	5	0.17
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD11	6	0.17
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD12	6	0.17
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD13	6	0.17
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD11	8	0.17
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD12	8	0.17
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD13	8	0.17
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD11	11	0.17
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD12	11	0.17
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD13	11	0.17
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD11	15	0.17
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD12	15	0.17
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD13	15	0.17
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD11	19	0.17
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD12	19	0.17
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD13	19	0.17
(1,342)	1:224:B:ASN:HA	1:224:B:ASN:HD22	8	0.17
(1,342)	1:224:B:ASN:HA	1:224:B:ASN:HD22	9	0.17
(1,342)	1:224:B:ASN:HA	1:224:B:ASN:HD22	20	0.17
(1,295)	1:214:B:ASP:H	1:214:B:ASP:HB3	10	0.17
(1,295)	1:214:B:ASP:H	1:214:B:ASP:HB3	14	0.17
(1,295)	1:214:B:ASP:H	1:214:B:ASP:HB3	18	0.17
(1,250)	1:159:A:GLU:H	1:159:A:GLU:HG2	2	0.17
(1,250)	1:159:A:GLU:H	1:159:A:GLU:HG2	9	0.17
(1,215)	1:150:A:ARG:HA	1:150:A:ARG:HG2	7	0.17
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD11	1	0.17
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD12	1	0.17
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD13	1	0.17
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD11	10	0.17
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD12	10	0.17
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD13	10	0.17
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD11	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD12	11	0.17
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD13	11	0.17
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD11	15	0.17
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD12	15	0.17
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD13	15	0.17
(1,52)	1:115:A:LYS:H	1:115:A:LYS:HD3	14	0.17
(1,43)	1:114:A:ASP:H	1:114:A:ASP:HB3	2	0.17
(1,43)	1:114:A:ASP:H	1:114:A:ASP:HB3	6	0.17
(1,43)	1:114:A:ASP:H	1:114:A:ASP:HB3	13	0.17
(1,43)	1:114:A:ASP:H	1:114:A:ASP:HB3	16	0.17
(1,43)	1:114:A:ASP:H	1:114:A:ASP:HB3	18	0.17
(1,43)	1:114:A:ASP:H	1:114:A:ASP:HB3	19	0.17
(2,76)	1:237:B:SER:O	1:241:B:ALA:H	5	0.16
(1,2335)	1:160:A:ALA:HB1	1:209:B:PHE:HD1	1	0.16
(1,2335)	1:160:A:ALA:HB1	1:209:B:PHE:HD2	1	0.16
(1,2335)	1:160:A:ALA:HB2	1:209:B:PHE:HD1	1	0.16
(1,2335)	1:160:A:ALA:HB2	1:209:B:PHE:HD2	1	0.16
(1,2335)	1:160:A:ALA:HB3	1:209:B:PHE:HD1	1	0.16
(1,2335)	1:160:A:ALA:HB3	1:209:B:PHE:HD2	1	0.16
(1,2335)	1:160:A:ALA:HB1	1:209:B:PHE:HD1	17	0.16
(1,2335)	1:160:A:ALA:HB1	1:209:B:PHE:HD2	17	0.16
(1,2335)	1:160:A:ALA:HB2	1:209:B:PHE:HD1	17	0.16
(1,2335)	1:160:A:ALA:HB2	1:209:B:PHE:HD2	17	0.16
(1,2335)	1:160:A:ALA:HB3	1:209:B:PHE:HD1	17	0.16
(1,2335)	1:160:A:ALA:HB3	1:209:B:PHE:HD2	17	0.16
(1,2296)	1:157:A:VAL:HG11	1:206:B:PHE:HB3	9	0.16
(1,2296)	1:157:A:VAL:HG12	1:206:B:PHE:HB3	9	0.16
(1,2296)	1:157:A:VAL:HG13	1:206:B:PHE:HB3	9	0.16
(1,2281)	1:156:A:ASP:HB2	1:205:B:HIS:HB3	12	0.16
(1,2281)	1:156:A:ASP:HB3	1:205:B:HIS:HB3	12	0.16
(1,2281)	1:156:A:ASP:HB2	1:205:B:HIS:HB3	16	0.16
(1,2281)	1:156:A:ASP:HB3	1:205:B:HIS:HB3	16	0.16
(1,2278)	1:156:A:ASP:HA	1:206:B:PHE:HB2	6	0.16
(1,2278)	1:156:A:ASP:HA	1:206:B:PHE:HB2	18	0.16
(1,2234)	1:151:A:ASN:HD22	1:201:B:MET:HE1	15	0.16
(1,2234)	1:151:A:ASN:HD22	1:201:B:MET:HE2	15	0.16
(1,2234)	1:151:A:ASN:HD22	1:201:B:MET:HE3	15	0.16
(1,2234)	1:151:A:ASN:HD22	1:201:B:MET:HE1	18	0.16
(1,2234)	1:151:A:ASN:HD22	1:201:B:MET:HE2	18	0.16
(1,2234)	1:151:A:ASN:HD22	1:201:B:MET:HE3	18	0.16
(1,2202)	1:145:A:ILE:HG21	1:258:B:ILE:H	14	0.16
(1,2202)	1:145:A:ILE:HG22	1:258:B:ILE:H	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2202)	1:145:A:ILE:HG23	1:258:B:ILE:H	14	0.16
(1,2143)	1:127:A:ILE:HG21	1:233:B:GLU:HG3	18	0.16
(1,2143)	1:127:A:ILE:HG22	1:233:B:GLU:HG3	18	0.16
(1,2143)	1:127:A:ILE:HG23	1:233:B:GLU:HG3	18	0.16
(1,2143)	1:127:A:ILE:HG21	1:233:B:GLU:HG3	20	0.16
(1,2143)	1:127:A:ILE:HG22	1:233:B:GLU:HG3	20	0.16
(1,2143)	1:127:A:ILE:HG23	1:233:B:GLU:HG3	20	0.16
(1,2076)	1:106:A:PHE:HB2	1:256:B:ASP:HA	13	0.16
(1,2076)	1:106:A:PHE:HB2	1:256:B:ASP:HA	17	0.16
(1,2034)	1:101:A:MET:HE1	1:251:B:ASN:HD21	9	0.16
(1,2034)	1:101:A:MET:HE2	1:251:B:ASN:HD21	9	0.16
(1,2034)	1:101:A:MET:HE3	1:251:B:ASN:HD21	9	0.16
(1,2033)	1:101:A:MET:HE1	1:251:B:ASN:HA	18	0.16
(1,2033)	1:101:A:MET:HE2	1:251:B:ASN:HA	18	0.16
(1,2033)	1:101:A:MET:HE3	1:251:B:ASN:HA	18	0.16
(1,2022)	1:231:B:SER:HA	1:245:B:ILE:HA	7	0.16
(1,2022)	1:231:B:SER:HA	1:245:B:ILE:HA	10	0.16
(1,2022)	1:231:B:SER:HA	1:245:B:ILE:HA	12	0.16
(1,2022)	1:231:B:SER:HA	1:245:B:ILE:HA	15	0.16
(1,1907)	1:215:B:LYS:HG2	1:235:B:TYR:H	15	0.16
(1,1832)	1:206:B:PHE:H	1:220:B:LEU:HD21	14	0.16
(1,1832)	1:206:B:PHE:H	1:220:B:LEU:HD22	14	0.16
(1,1832)	1:206:B:PHE:H	1:220:B:LEU:HD23	14	0.16
(1,1819)	1:206:B:PHE:HD1	1:219:B:ARG:HA	12	0.16
(1,1819)	1:206:B:PHE:HD2	1:219:B:ARG:HA	12	0.16
(1,1782)	1:131:A:SER:HB2	1:144:A:GLY:H	9	0.16
(1,1782)	1:131:A:SER:HB3	1:144:A:GLY:H	9	0.16
(1,1780)	1:131:A:SER:HA	1:145:A:ILE:HA	9	0.16
(1,1780)	1:131:A:SER:HA	1:145:A:ILE:HA	12	0.16
(1,1768)	1:121:A:VAL:HG11	1:126:A:ASN:HD22	2	0.16
(1,1768)	1:121:A:VAL:HG12	1:126:A:ASN:HD22	2	0.16
(1,1768)	1:121:A:VAL:HG13	1:126:A:ASN:HD22	2	0.16
(1,1768)	1:121:A:VAL:HG21	1:126:A:ASN:HD22	2	0.16
(1,1768)	1:121:A:VAL:HG22	1:126:A:ASN:HD22	2	0.16
(1,1768)	1:121:A:VAL:HG23	1:126:A:ASN:HD22	2	0.16
(1,1768)	1:121:A:VAL:HG11	1:126:A:ASN:HD22	15	0.16
(1,1768)	1:121:A:VAL:HG12	1:126:A:ASN:HD22	15	0.16
(1,1768)	1:121:A:VAL:HG13	1:126:A:ASN:HD22	15	0.16
(1,1768)	1:121:A:VAL:HG21	1:126:A:ASN:HD22	15	0.16
(1,1768)	1:121:A:VAL:HG22	1:126:A:ASN:HD22	15	0.16
(1,1768)	1:121:A:VAL:HG23	1:126:A:ASN:HD22	15	0.16
(1,1614)	1:108:A:VAL:HG11	1:118:A:TRP:H	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1614)	1:108:A:VAL:HG12	1:118:A:TRP:H	1	0.16
(1,1614)	1:108:A:VAL:HG13	1:118:A:TRP:H	1	0.16
(1,1543)	1:252:B:ALA:H	1:254:B:ASP:H	14	0.16
(1,1543)	1:252:B:ALA:H	1:254:B:ASP:H	15	0.16
(1,1488)	1:243:B:GLN:HA	1:246:B:GLU:HG2	2	0.16
(1,1488)	1:243:B:GLN:HA	1:246:B:GLU:HG2	10	0.16
(1,1488)	1:243:B:GLN:HA	1:246:B:GLU:HG2	11	0.16
(1,1488)	1:243:B:GLN:HA	1:246:B:GLU:HG2	12	0.16
(1,1429)	1:233:B:GLU:HA	1:235:B:TYR:HE1	6	0.16
(1,1429)	1:233:B:GLU:HA	1:235:B:TYR:HE2	6	0.16
(1,1427)	1:231:B:SER:HB2	1:233:B:GLU:HB3	2	0.16
(1,1427)	1:231:B:SER:HB3	1:233:B:GLU:HB3	2	0.16
(1,1409)	1:224:B:ASN:HD22	1:228:B:LEU:HD21	20	0.16
(1,1409)	1:224:B:ASN:HD22	1:228:B:LEU:HD22	20	0.16
(1,1409)	1:224:B:ASN:HD22	1:228:B:LEU:HD23	20	0.16
(1,1393)	1:222:B:HIS:HB2	1:226:B:ASN:HB2	3	0.16
(1,1381)	1:213:B:ALA:H	1:215:B:LYS:HE2	17	0.16
(1,1381)	1:213:B:ALA:H	1:215:B:LYS:HE3	17	0.16
(1,1305)	1:146:A:GLU:HA	1:149:A:LYS:H	19	0.16
(1,1282)	1:143:A:GLN:HA	1:146:A:GLU:HG2	16	0.16
(1,1136)	1:259:B:GLU:HB2	1:260:B:ALA:H	8	0.16
(1,1136)	1:259:B:GLU:HB2	1:260:B:ALA:H	13	0.16
(1,1136)	1:259:B:GLU:HB2	1:260:B:ALA:H	14	0.16
(1,1113)	1:254:B:ASP:HB3	1:255:B:ALA:H	6	0.16
(1,1094)	1:251:B:ASN:HD22	1:252:B:ALA:H	5	0.16
(1,1094)	1:251:B:ASN:HD22	1:252:B:ALA:H	8	0.16
(1,1094)	1:251:B:ASN:HD22	1:252:B:ALA:H	9	0.16
(1,1094)	1:251:B:ASN:HD22	1:252:B:ALA:H	15	0.16
(1,1094)	1:251:B:ASN:HD22	1:252:B:ALA:H	17	0.16
(1,1045)	1:242:B:LYS:HE2	1:243:B:GLN:HE21	2	0.16
(1,1045)	1:242:B:LYS:HE2	1:243:B:GLN:HE21	10	0.16
(1,1023)	1:238:B:LYS:H	1:239:B:GLN:HB2	9	0.16
(1,1004)	1:233:B:GLU:HG2	1:234:B:GLY:H	2	0.16
(1,998)	1:232:B:GLY:H	1:233:B:GLU:H	15	0.16
(1,998)	1:232:B:GLY:H	1:233:B:GLU:H	18	0.16
(1,962)	1:225:B:GLY:HA3	1:226:B:ASN:HD21	4	0.16
(1,962)	1:225:B:GLY:HA3	1:226:B:ASN:HD21	11	0.16
(1,908)	1:215:B:LYS:HG3	1:216:B:TYR:H	17	0.16
(1,907)	1:215:B:LYS:HB2	1:216:B:TYR:H	13	0.16
(1,907)	1:215:B:LYS:HB2	1:216:B:TYR:H	20	0.16
(1,902)	1:214:B:ASP:H	1:215:B:LYS:HG3	15	0.16
(1,902)	1:214:B:ASP:H	1:215:B:LYS:HG3	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,898)	1:214:B:ASP:HA	1:215:B:LYS:HE2	8	0.16
(1,898)	1:214:B:ASP:HA	1:215:B:LYS:HE3	8	0.16
(1,898)	1:214:B:ASP:HA	1:215:B:LYS:HE2	14	0.16
(1,898)	1:214:B:ASP:HA	1:215:B:LYS:HE3	14	0.16
(1,846)	1:206:B:PHE:HD1	1:207:B:GLU:HB2	20	0.16
(1,846)	1:206:B:PHE:HD1	1:207:B:GLU:HB3	20	0.16
(1,846)	1:206:B:PHE:HD2	1:207:B:GLU:HB2	20	0.16
(1,846)	1:206:B:PHE:HD2	1:207:B:GLU:HB3	20	0.16
(1,838)	1:205:B:HIS:HB3	1:206:B:PHE:H	1	0.16
(1,838)	1:205:B:HIS:HB3	1:206:B:PHE:H	20	0.16
(1,820)	1:159:A:GLU:HB2	1:160:A:ALA:H	3	0.16
(1,820)	1:159:A:GLU:HB2	1:160:A:ALA:H	11	0.16
(1,820)	1:159:A:GLU:HB2	1:160:A:ALA:H	18	0.16
(1,814)	1:158:A:ILE:HD11	1:159:A:GLU:H	13	0.16
(1,814)	1:158:A:ILE:HD12	1:159:A:GLU:H	13	0.16
(1,814)	1:158:A:ILE:HD13	1:159:A:GLU:H	13	0.16
(1,778)	1:151:A:ASN:HD22	1:152:A:ALA:H	1	0.16
(1,778)	1:151:A:ASN:HD22	1:152:A:ALA:H	5	0.16
(1,778)	1:151:A:ASN:HD22	1:152:A:ALA:H	6	0.16
(1,778)	1:151:A:ASN:HD22	1:152:A:ALA:H	13	0.16
(1,778)	1:151:A:ASN:HD22	1:152:A:ALA:H	17	0.16
(1,778)	1:151:A:ASN:HD22	1:152:A:ALA:H	20	0.16
(1,729)	1:142:A:LYS:HE2	1:143:A:GLN:HE21	3	0.16
(1,729)	1:142:A:LYS:HE2	1:143:A:GLN:HE21	20	0.16
(1,682)	1:132:A:GLY:H	1:133:A:GLU:H	8	0.16
(1,646)	1:125:A:GLY:HA3	1:126:A:ASN:HD21	8	0.16
(1,612)	1:118:A:TRP:HB2	1:119:A:ARG:HD2	5	0.16
(1,612)	1:118:A:TRP:HB2	1:119:A:ARG:HD3	5	0.16
(1,601)	1:117:A:ARG:HG3	1:118:A:TRP:H	15	0.16
(1,601)	1:117:A:ARG:HG3	1:118:A:TRP:H	17	0.16
(1,592)	1:115:A:LYS:HG3	1:116:A:TYR:H	15	0.16
(1,591)	1:115:A:LYS:HB2	1:116:A:TYR:H	1	0.16
(1,591)	1:115:A:LYS:HB2	1:116:A:TYR:H	6	0.16
(1,591)	1:115:A:LYS:HB2	1:116:A:TYR:H	7	0.16
(1,591)	1:115:A:LYS:HB2	1:116:A:TYR:H	17	0.16
(1,586)	1:114:A:ASP:H	1:115:A:LYS:HG3	7	0.16
(1,586)	1:114:A:ASP:H	1:115:A:LYS:HG3	12	0.16
(1,586)	1:114:A:ASP:H	1:115:A:LYS:HG3	15	0.16
(1,530)	1:106:A:PHE:HD1	1:107:A:GLU:HB2	4	0.16
(1,530)	1:106:A:PHE:HD1	1:107:A:GLU:HB3	4	0.16
(1,530)	1:106:A:PHE:HD2	1:107:A:GLU:HB2	4	0.16
(1,530)	1:106:A:PHE:HD2	1:107:A:GLU:HB3	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,522)	1:105:A:HIS:HB3	1:106:A:PHE:H	10	0.16
(1,522)	1:105:A:HIS:HB3	1:106:A:PHE:H	13	0.16
(1,507)	1:102:A:ASN:HA	1:103:A:LYS:HG3	11	0.16
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD11	7	0.16
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD12	7	0.16
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD13	7	0.16
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD11	16	0.16
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD12	16	0.16
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD13	16	0.16
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD11	20	0.16
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD12	20	0.16
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD13	20	0.16
(1,399)	1:239:B:GLN:HA	1:239:B:GLN:HB3	1	0.16
(1,399)	1:239:B:GLN:HA	1:239:B:GLN:HB3	2	0.16
(1,399)	1:239:B:GLN:HA	1:239:B:GLN:HB3	4	0.16
(1,399)	1:239:B:GLN:HA	1:239:B:GLN:HB3	13	0.16
(1,399)	1:239:B:GLN:HA	1:239:B:GLN:HB3	14	0.16
(1,399)	1:239:B:GLN:HA	1:239:B:GLN:HB3	15	0.16
(1,399)	1:239:B:GLN:HA	1:239:B:GLN:HB3	16	0.16
(1,399)	1:239:B:GLN:HA	1:239:B:GLN:HB3	17	0.16
(1,399)	1:239:B:GLN:HA	1:239:B:GLN:HB3	18	0.16
(1,399)	1:239:B:GLN:HA	1:239:B:GLN:HB3	20	0.16
(1,306)	1:215:B:LYS:H	1:215:B:LYS:HG3	17	0.16
(1,295)	1:214:B:ASP:H	1:214:B:ASP:HB3	2	0.16
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD11	3	0.16
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD12	3	0.16
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD13	3	0.16
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD11	7	0.16
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD12	7	0.16
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD13	7	0.16
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD11	9	0.16
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD12	9	0.16
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD13	9	0.16
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD11	12	0.16
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD12	12	0.16
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD13	12	0.16
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD11	16	0.16
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD12	16	0.16
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD13	16	0.16
(1,147)	1:139:A:GLN:HA	1:139:A:GLN:HB3	1	0.16
(1,147)	1:139:A:GLN:HA	1:139:A:GLN:HB3	2	0.16
(1,147)	1:139:A:GLN:HA	1:139:A:GLN:HB3	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,147)	1:139:A:GLN:HA	1:139:A:GLN:HB3	4	0.16
(1,147)	1:139:A:GLN:HA	1:139:A:GLN:HB3	7	0.16
(1,147)	1:139:A:GLN:HA	1:139:A:GLN:HB3	8	0.16
(1,147)	1:139:A:GLN:HA	1:139:A:GLN:HB3	13	0.16
(1,147)	1:139:A:GLN:HA	1:139:A:GLN:HB3	14	0.16
(1,147)	1:139:A:GLN:HA	1:139:A:GLN:HB3	15	0.16
(1,147)	1:139:A:GLN:HA	1:139:A:GLN:HB3	16	0.16
(1,147)	1:139:A:GLN:HA	1:139:A:GLN:HB3	17	0.16
(1,147)	1:139:A:GLN:HA	1:139:A:GLN:HB3	18	0.16
(1,147)	1:139:A:GLN:HA	1:139:A:GLN:HB3	20	0.16
(1,52)	1:115:A:LYS:H	1:115:A:LYS:HD3	16	0.16
(1,2316)	1:158:A:ILE:HD11	1:207:B:GLU:HG3	20	0.15
(1,2316)	1:158:A:ILE:HD12	1:207:B:GLU:HG3	20	0.15
(1,2316)	1:158:A:ILE:HD13	1:207:B:GLU:HG3	20	0.15
(1,2296)	1:157:A:VAL:HG11	1:206:B:PHE:HB3	4	0.15
(1,2296)	1:157:A:VAL:HG12	1:206:B:PHE:HB3	4	0.15
(1,2296)	1:157:A:VAL:HG13	1:206:B:PHE:HB3	4	0.15
(1,2296)	1:157:A:VAL:HG11	1:206:B:PHE:HB3	15	0.15
(1,2296)	1:157:A:VAL:HG12	1:206:B:PHE:HB3	15	0.15
(1,2296)	1:157:A:VAL:HG13	1:206:B:PHE:HB3	15	0.15
(1,2296)	1:157:A:VAL:HG11	1:206:B:PHE:HB3	17	0.15
(1,2296)	1:157:A:VAL:HG12	1:206:B:PHE:HB3	17	0.15
(1,2296)	1:157:A:VAL:HG13	1:206:B:PHE:HB3	17	0.15
(1,2296)	1:157:A:VAL:HG11	1:206:B:PHE:HB3	19	0.15
(1,2296)	1:157:A:VAL:HG12	1:206:B:PHE:HB3	19	0.15
(1,2296)	1:157:A:VAL:HG13	1:206:B:PHE:HB3	19	0.15
(1,2159)	1:129:A:ALA:HB1	1:252:B:ALA:HA	18	0.15
(1,2159)	1:129:A:ALA:HB2	1:252:B:ALA:HA	18	0.15
(1,2159)	1:129:A:ALA:HB3	1:252:B:ALA:HA	18	0.15
(1,2076)	1:106:A:PHE:HB2	1:256:B:ASP:HA	8	0.15
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG11	5	0.15
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG12	5	0.15
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG13	5	0.15
(1,2064)	1:105:A:HIS:HB3	1:256:B:ASP:HB2	18	0.15
(1,2064)	1:105:A:HIS:HB3	1:256:B:ASP:HB3	18	0.15
(1,2035)	1:101:A:MET:HE1	1:251:B:ASN:HD22	2	0.15
(1,2035)	1:101:A:MET:HE2	1:251:B:ASN:HD22	2	0.15
(1,2035)	1:101:A:MET:HE3	1:251:B:ASN:HD22	2	0.15
(1,2024)	1:231:B:SER:HB2	1:244:B:GLY:H	8	0.15
(1,2024)	1:231:B:SER:HB3	1:244:B:GLY:H	8	0.15
(1,2024)	1:231:B:SER:HB2	1:244:B:GLY:H	11	0.15
(1,2024)	1:231:B:SER:HB3	1:244:B:GLY:H	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2024)	1:231:B:SER:HB2	1:244:B:GLY:H	15	0.15
(1,2024)	1:231:B:SER:HB3	1:244:B:GLY:H	15	0.15
(1,2024)	1:231:B:SER:HB2	1:244:B:GLY:H	16	0.15
(1,2024)	1:231:B:SER:HB3	1:244:B:GLY:H	16	0.15
(1,2022)	1:231:B:SER:HA	1:245:B:ILE:HA	3	0.15
(1,2022)	1:231:B:SER:HA	1:245:B:ILE:HA	8	0.15
(1,2010)	1:221:B:VAL:HG11	1:226:B:ASN:HD22	9	0.15
(1,2010)	1:221:B:VAL:HG12	1:226:B:ASN:HD22	9	0.15
(1,2010)	1:221:B:VAL:HG13	1:226:B:ASN:HD22	9	0.15
(1,2010)	1:221:B:VAL:HG21	1:226:B:ASN:HD22	9	0.15
(1,2010)	1:221:B:VAL:HG22	1:226:B:ASN:HD22	9	0.15
(1,2010)	1:221:B:VAL:HG23	1:226:B:ASN:HD22	9	0.15
(1,2010)	1:221:B:VAL:HG11	1:226:B:ASN:HD22	17	0.15
(1,2010)	1:221:B:VAL:HG12	1:226:B:ASN:HD22	17	0.15
(1,2010)	1:221:B:VAL:HG13	1:226:B:ASN:HD22	17	0.15
(1,2010)	1:221:B:VAL:HG21	1:226:B:ASN:HD22	17	0.15
(1,2010)	1:221:B:VAL:HG22	1:226:B:ASN:HD22	17	0.15
(1,2010)	1:221:B:VAL:HG23	1:226:B:ASN:HD22	17	0.15
(1,1960)	1:218:B:TRP:HE1	1:245:B:ILE:HD11	19	0.15
(1,1960)	1:218:B:TRP:HE1	1:245:B:ILE:HD12	19	0.15
(1,1960)	1:218:B:TRP:HE1	1:245:B:ILE:HD13	19	0.15
(1,1947)	1:218:B:TRP:HD1	1:242:B:LYS:HG3	6	0.15
(1,1880)	1:209:B:PHE:HE1	1:219:B:ARG:HB2	10	0.15
(1,1880)	1:209:B:PHE:HE2	1:219:B:ARG:HB2	10	0.15
(1,1856)	1:208:B:VAL:HG11	1:218:B:TRP:H	16	0.15
(1,1856)	1:208:B:VAL:HG12	1:218:B:TRP:H	16	0.15
(1,1856)	1:208:B:VAL:HG13	1:218:B:TRP:H	16	0.15
(1,1819)	1:206:B:PHE:HD1	1:219:B:ARG:HA	16	0.15
(1,1819)	1:206:B:PHE:HD2	1:219:B:ARG:HA	16	0.15
(1,1782)	1:131:A:SER:HB2	1:144:A:GLY:H	3	0.15
(1,1782)	1:131:A:SER:HB3	1:144:A:GLY:H	3	0.15
(1,1782)	1:131:A:SER:HB2	1:144:A:GLY:H	13	0.15
(1,1782)	1:131:A:SER:HB3	1:144:A:GLY:H	13	0.15
(1,1780)	1:131:A:SER:HA	1:145:A:ILE:HA	3	0.15
(1,1780)	1:131:A:SER:HA	1:145:A:ILE:HA	14	0.15
(1,1718)	1:118:A:TRP:HE1	1:145:A:ILE:HD11	2	0.15
(1,1718)	1:118:A:TRP:HE1	1:145:A:ILE:HD12	2	0.15
(1,1718)	1:118:A:TRP:HE1	1:145:A:ILE:HD13	2	0.15
(1,1718)	1:118:A:TRP:HE1	1:145:A:ILE:HD11	9	0.15
(1,1718)	1:118:A:TRP:HE1	1:145:A:ILE:HD12	9	0.15
(1,1718)	1:118:A:TRP:HE1	1:145:A:ILE:HD13	9	0.15
(1,1665)	1:115:A:LYS:HG2	1:135:A:TYR:H	20	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1614)	1:108:A:VAL:HG11	1:118:A:TRP:H	14	0.15
(1,1614)	1:108:A:VAL:HG12	1:118:A:TRP:H	14	0.15
(1,1614)	1:108:A:VAL:HG13	1:118:A:TRP:H	14	0.15
(1,1590)	1:106:A:PHE:H	1:120:A:LEU:HD21	8	0.15
(1,1590)	1:106:A:PHE:H	1:120:A:LEU:HD22	8	0.15
(1,1590)	1:106:A:PHE:H	1:120:A:LEU:HD23	8	0.15
(1,1577)	1:106:A:PHE:HD1	1:119:A:ARG:HA	12	0.15
(1,1577)	1:106:A:PHE:HD2	1:119:A:ARG:HA	12	0.15
(1,1543)	1:252:B:ALA:H	1:254:B:ASP:H	1	0.15
(1,1543)	1:252:B:ALA:H	1:254:B:ASP:H	12	0.15
(1,1543)	1:252:B:ALA:H	1:254:B:ASP:H	13	0.15
(1,1543)	1:252:B:ALA:H	1:254:B:ASP:H	16	0.15
(1,1433)	1:233:B:GLU:HG2	1:235:B:TYR:HE1	1	0.15
(1,1433)	1:233:B:GLU:HG2	1:235:B:TYR:HE2	1	0.15
(1,1383)	1:215:B:LYS:HB2	1:217:B:ARG:HG2	15	0.15
(1,1377)	1:213:B:ALA:HA	1:215:B:LYS:HG3	13	0.15
(1,1364)	1:211:B:ASP:HB3	1:215:B:LYS:HB3	7	0.15
(1,1359)	1:210:B:VAL:HG21	1:214:B:ASP:HB3	8	0.15
(1,1359)	1:210:B:VAL:HG22	1:214:B:ASP:HB3	8	0.15
(1,1359)	1:210:B:VAL:HG23	1:214:B:ASP:HB3	8	0.15
(1,1337)	1:152:A:ALA:H	1:154:A:ASP:H	18	0.15
(1,1305)	1:146:A:GLU:HA	1:149:A:LYS:H	10	0.15
(1,1282)	1:143:A:GLN:HA	1:146:A:GLU:HG2	20	0.15
(1,1221)	1:131:A:SER:HB2	1:133:A:GLU:HB3	13	0.15
(1,1221)	1:131:A:SER:HB3	1:133:A:GLU:HB3	13	0.15
(1,1158)	1:111:A:ASP:HB3	1:115:A:LYS:HB3	18	0.15
(1,1136)	1:259:B:GLU:HB2	1:260:B:ALA:H	3	0.15
(1,1130)	1:258:B:ILE:HD11	1:259:B:GLU:H	5	0.15
(1,1130)	1:258:B:ILE:HD12	1:259:B:GLU:H	5	0.15
(1,1130)	1:258:B:ILE:HD13	1:259:B:GLU:H	5	0.15
(1,1124)	1:256:B:ASP:HB2	1:257:B:VAL:H	1	0.15
(1,1124)	1:256:B:ASP:HB3	1:257:B:VAL:H	1	0.15
(1,1113)	1:254:B:ASP:HB3	1:255:B:ALA:H	20	0.15
(1,1112)	1:254:B:ASP:HA	1:255:B:ALA:H	4	0.15
(1,1094)	1:251:B:ASN:HD22	1:252:B:ALA:H	2	0.15
(1,1094)	1:251:B:ASN:HD22	1:252:B:ALA:H	14	0.15
(1,1015)	1:237:B:SER:HB2	1:238:B:LYS:H	16	0.15
(1,998)	1:232:B:GLY:H	1:233:B:GLU:H	17	0.15
(1,962)	1:225:B:GLY:HA3	1:226:B:ASN:HD21	16	0.15
(1,962)	1:225:B:GLY:HA3	1:226:B:ASN:HD21	18	0.15
(1,932)	1:218:B:TRP:H	1:219:B:ARG:HG2	10	0.15
(1,932)	1:218:B:TRP:H	1:219:B:ARG:HG3	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,917)	1:217:B:ARG:HG3	1:218:B:TRP:H	14	0.15
(1,908)	1:215:B:LYS:HG3	1:216:B:TYR:H	5	0.15
(1,907)	1:215:B:LYS:HB2	1:216:B:TYR:H	2	0.15
(1,907)	1:215:B:LYS:HB2	1:216:B:TYR:H	9	0.15
(1,907)	1:215:B:LYS:HB2	1:216:B:TYR:H	19	0.15
(1,902)	1:214:B:ASP:H	1:215:B:LYS:HG3	11	0.15
(1,902)	1:214:B:ASP:H	1:215:B:LYS:HG3	16	0.15
(1,848)	1:206:B:PHE:H	1:207:B:GLU:HG2	5	0.15
(1,846)	1:206:B:PHE:HD1	1:207:B:GLU:HB2	12	0.15
(1,846)	1:206:B:PHE:HD1	1:207:B:GLU:HB3	12	0.15
(1,846)	1:206:B:PHE:HD2	1:207:B:GLU:HB2	12	0.15
(1,846)	1:206:B:PHE:HD2	1:207:B:GLU:HB3	12	0.15
(1,838)	1:205:B:HIS:HB3	1:206:B:PHE:H	16	0.15
(1,820)	1:159:A:GLU:HB2	1:160:A:ALA:H	5	0.15
(1,820)	1:159:A:GLU:HB2	1:160:A:ALA:H	7	0.15
(1,820)	1:159:A:GLU:HB2	1:160:A:ALA:H	20	0.15
(1,814)	1:158:A:ILE:HD11	1:159:A:GLU:H	17	0.15
(1,814)	1:158:A:ILE:HD12	1:159:A:GLU:H	17	0.15
(1,814)	1:158:A:ILE:HD13	1:159:A:GLU:H	17	0.15
(1,803)	1:155:A:ALA:HB1	1:156:A:ASP:H	3	0.15
(1,803)	1:155:A:ALA:HB2	1:156:A:ASP:H	3	0.15
(1,803)	1:155:A:ALA:HB3	1:156:A:ASP:H	3	0.15
(1,801)	1:155:A:ALA:HA	1:156:A:ASP:HB2	14	0.15
(1,801)	1:155:A:ALA:HA	1:156:A:ASP:HB3	14	0.15
(1,796)	1:154:A:ASP:HA	1:155:A:ALA:H	4	0.15
(1,778)	1:151:A:ASN:HD22	1:152:A:ALA:H	4	0.15
(1,778)	1:151:A:ASN:HD22	1:152:A:ALA:H	16	0.15
(1,682)	1:132:A:GLY:H	1:133:A:GLU:H	11	0.15
(1,682)	1:132:A:GLY:H	1:133:A:GLU:H	14	0.15
(1,648)	1:125:A:GLY:H	1:126:A:ASN:HD21	16	0.15
(1,646)	1:125:A:GLY:HA3	1:126:A:ASN:HD21	1	0.15
(1,612)	1:118:A:TRP:HB2	1:119:A:ARG:HD2	7	0.15
(1,612)	1:118:A:TRP:HB2	1:119:A:ARG:HD3	7	0.15
(1,612)	1:118:A:TRP:HB2	1:119:A:ARG:HD2	14	0.15
(1,612)	1:118:A:TRP:HB2	1:119:A:ARG:HD3	14	0.15
(1,601)	1:117:A:ARG:HG3	1:118:A:TRP:H	13	0.15
(1,591)	1:115:A:LYS:HB2	1:116:A:TYR:H	12	0.15
(1,591)	1:115:A:LYS:HB2	1:116:A:TYR:H	15	0.15
(1,586)	1:114:A:ASP:H	1:115:A:LYS:HG3	5	0.15
(1,586)	1:114:A:ASP:H	1:115:A:LYS:HG3	11	0.15
(1,586)	1:114:A:ASP:H	1:115:A:LYS:HG3	13	0.15
(1,586)	1:114:A:ASP:H	1:115:A:LYS:HG3	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,586)	1:114:A:ASP:H	1:115:A:LYS:HG3	19	0.15
(1,530)	1:106:A:PHE:HD1	1:107:A:GLU:HB2	19	0.15
(1,530)	1:106:A:PHE:HD1	1:107:A:GLU:HB3	19	0.15
(1,530)	1:106:A:PHE:HD2	1:107:A:GLU:HB2	19	0.15
(1,530)	1:106:A:PHE:HD2	1:107:A:GLU:HB3	19	0.15
(1,452)	1:246:B:GLU:H	1:246:B:GLU:HG3	3	0.15
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD11	10	0.15
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD12	10	0.15
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD13	10	0.15
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD11	12	0.15
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD12	12	0.15
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD13	12	0.15
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD11	17	0.15
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD12	17	0.15
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD13	17	0.15
(1,399)	1:239:B:GLN:HA	1:239:B:GLN:HB3	3	0.15
(1,399)	1:239:B:GLN:HA	1:239:B:GLN:HB3	5	0.15
(1,399)	1:239:B:GLN:HA	1:239:B:GLN:HB3	6	0.15
(1,399)	1:239:B:GLN:HA	1:239:B:GLN:HB3	7	0.15
(1,399)	1:239:B:GLN:HA	1:239:B:GLN:HB3	8	0.15
(1,399)	1:239:B:GLN:HA	1:239:B:GLN:HB3	9	0.15
(1,399)	1:239:B:GLN:HA	1:239:B:GLN:HB3	10	0.15
(1,399)	1:239:B:GLN:HA	1:239:B:GLN:HB3	11	0.15
(1,399)	1:239:B:GLN:HA	1:239:B:GLN:HB3	12	0.15
(1,399)	1:239:B:GLN:HA	1:239:B:GLN:HB3	19	0.15
(1,342)	1:224:B:ASN:HA	1:224:B:ASN:HD22	15	0.15
(1,306)	1:215:B:LYS:H	1:215:B:LYS:HG3	8	0.15
(1,295)	1:214:B:ASP:H	1:214:B:ASP:HB3	3	0.15
(1,295)	1:214:B:ASP:H	1:214:B:ASP:HB3	6	0.15
(1,295)	1:214:B:ASP:H	1:214:B:ASP:HB3	19	0.15
(1,200)	1:146:A:GLU:H	1:146:A:GLU:HG3	2	0.15
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD11	4	0.15
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD12	4	0.15
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD13	4	0.15
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD11	18	0.15
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD12	18	0.15
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD13	18	0.15
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD11	20	0.15
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD12	20	0.15
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD13	20	0.15
(1,147)	1:139:A:GLN:HA	1:139:A:GLN:HB3	5	0.15
(1,147)	1:139:A:GLN:HA	1:139:A:GLN:HB3	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,147)	1:139:A:GLN:HA	1:139:A:GLN:HB3	9	0.15
(1,147)	1:139:A:GLN:HA	1:139:A:GLN:HB3	10	0.15
(1,147)	1:139:A:GLN:HA	1:139:A:GLN:HB3	11	0.15
(1,147)	1:139:A:GLN:HA	1:139:A:GLN:HB3	12	0.15
(1,147)	1:139:A:GLN:HA	1:139:A:GLN:HB3	19	0.15
(1,90)	1:124:A:ASN:HA	1:124:A:ASN:HD22	14	0.15
(1,52)	1:115:A:LYS:H	1:115:A:LYS:HD3	18	0.15
(1,7)	1:103:A:LYS:HG2	1:103:A:LYS:HE2	18	0.15
(1,7)	1:103:A:LYS:HG2	1:103:A:LYS:HE3	18	0.15
(1,2329)	1:158:A:ILE:H	1:245:B:ILE:HG21	4	0.14
(1,2329)	1:158:A:ILE:H	1:245:B:ILE:HG22	4	0.14
(1,2329)	1:158:A:ILE:H	1:245:B:ILE:HG23	4	0.14
(1,2329)	1:158:A:ILE:H	1:245:B:ILE:HG21	18	0.14
(1,2329)	1:158:A:ILE:H	1:245:B:ILE:HG22	18	0.14
(1,2329)	1:158:A:ILE:H	1:245:B:ILE:HG23	18	0.14
(1,2316)	1:158:A:ILE:HD11	1:207:B:GLU:HG3	4	0.14
(1,2316)	1:158:A:ILE:HD12	1:207:B:GLU:HG3	4	0.14
(1,2316)	1:158:A:ILE:HD13	1:207:B:GLU:HG3	4	0.14
(1,2296)	1:157:A:VAL:HG11	1:206:B:PHE:HB3	5	0.14
(1,2296)	1:157:A:VAL:HG12	1:206:B:PHE:HB3	5	0.14
(1,2296)	1:157:A:VAL:HG13	1:206:B:PHE:HB3	5	0.14
(1,2296)	1:157:A:VAL:HG11	1:206:B:PHE:HB3	11	0.14
(1,2296)	1:157:A:VAL:HG12	1:206:B:PHE:HB3	11	0.14
(1,2296)	1:157:A:VAL:HG13	1:206:B:PHE:HB3	11	0.14
(1,2296)	1:157:A:VAL:HG11	1:206:B:PHE:HB3	16	0.14
(1,2296)	1:157:A:VAL:HG12	1:206:B:PHE:HB3	16	0.14
(1,2296)	1:157:A:VAL:HG13	1:206:B:PHE:HB3	16	0.14
(1,2278)	1:156:A:ASP:HA	1:206:B:PHE:HB2	1	0.14
(1,2278)	1:156:A:ASP:HA	1:206:B:PHE:HB2	3	0.14
(1,2278)	1:156:A:ASP:HA	1:206:B:PHE:HB2	12	0.14
(1,2278)	1:156:A:ASP:HA	1:206:B:PHE:HB2	16	0.14
(1,2278)	1:156:A:ASP:HA	1:206:B:PHE:HB2	20	0.14
(1,2234)	1:151:A:ASN:HD22	1:201:B:MET:HE1	16	0.14
(1,2234)	1:151:A:ASN:HD22	1:201:B:MET:HE2	16	0.14
(1,2234)	1:151:A:ASN:HD22	1:201:B:MET:HE3	16	0.14
(1,2202)	1:145:A:ILE:HG21	1:258:B:ILE:H	13	0.14
(1,2202)	1:145:A:ILE:HG22	1:258:B:ILE:H	13	0.14
(1,2202)	1:145:A:ILE:HG23	1:258:B:ILE:H	13	0.14
(1,2103)	1:107:A:GLU:HG3	1:258:B:ILE:HD11	14	0.14
(1,2103)	1:107:A:GLU:HG3	1:258:B:ILE:HD12	14	0.14
(1,2103)	1:107:A:GLU:HG3	1:258:B:ILE:HD13	14	0.14
(1,2103)	1:107:A:GLU:HG3	1:258:B:ILE:HD11	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2103)	1:107:A:GLU:HG3	1:258:B:ILE:HD12	20	0.14
(1,2103)	1:107:A:GLU:HG3	1:258:B:ILE:HD13	20	0.14
(1,2076)	1:106:A:PHE:HB2	1:256:B:ASP:HA	20	0.14
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG11	1	0.14
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG12	1	0.14
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG13	1	0.14
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG11	6	0.14
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG12	6	0.14
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG13	6	0.14
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG11	10	0.14
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG12	10	0.14
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG13	10	0.14
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG11	11	0.14
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG12	11	0.14
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG13	11	0.14
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG11	14	0.14
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG12	14	0.14
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG13	14	0.14
(1,2035)	1:101:A:MET:HE1	1:251:B:ASN:HD22	5	0.14
(1,2035)	1:101:A:MET:HE2	1:251:B:ASN:HD22	5	0.14
(1,2035)	1:101:A:MET:HE3	1:251:B:ASN:HD22	5	0.14
(1,2035)	1:101:A:MET:HE1	1:251:B:ASN:HD22	16	0.14
(1,2035)	1:101:A:MET:HE2	1:251:B:ASN:HD22	16	0.14
(1,2035)	1:101:A:MET:HE3	1:251:B:ASN:HD22	16	0.14
(1,2033)	1:101:A:MET:HE1	1:251:B:ASN:HA	8	0.14
(1,2033)	1:101:A:MET:HE2	1:251:B:ASN:HA	8	0.14
(1,2033)	1:101:A:MET:HE3	1:251:B:ASN:HA	8	0.14
(1,2024)	1:231:B:SER:HB2	1:244:B:GLY:H	5	0.14
(1,2024)	1:231:B:SER:HB3	1:244:B:GLY:H	5	0.14
(1,2024)	1:231:B:SER:HB2	1:244:B:GLY:H	13	0.14
(1,2024)	1:231:B:SER:HB3	1:244:B:GLY:H	13	0.14
(1,2024)	1:231:B:SER:HB2	1:244:B:GLY:H	17	0.14
(1,2024)	1:231:B:SER:HB3	1:244:B:GLY:H	17	0.14
(1,2022)	1:231:B:SER:HA	1:245:B:ILE:HA	18	0.14
(1,2022)	1:231:B:SER:HA	1:245:B:ILE:HA	19	0.14
(1,1979)	1:219:B:ARG:HD2	1:231:B:SER:H	3	0.14
(1,1979)	1:219:B:ARG:HD3	1:231:B:SER:H	3	0.14
(1,1925)	1:216:B:TYR:HE1	1:238:B:LYS:H	19	0.14
(1,1925)	1:216:B:TYR:HE2	1:238:B:LYS:H	19	0.14
(1,1907)	1:215:B:LYS:HG2	1:235:B:TYR:H	1	0.14
(1,1907)	1:215:B:LYS:HG2	1:235:B:TYR:H	13	0.14
(1,1782)	1:131:A:SER:HB2	1:144:A:GLY:H	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1782)	1:131:A:SER:HB3	1:144:A:GLY:H	7	0.14
(1,1782)	1:131:A:SER:HB2	1:144:A:GLY:H	14	0.14
(1,1782)	1:131:A:SER:HB3	1:144:A:GLY:H	14	0.14
(1,1782)	1:131:A:SER:HB2	1:144:A:GLY:H	19	0.14
(1,1782)	1:131:A:SER:HB3	1:144:A:GLY:H	19	0.14
(1,1780)	1:131:A:SER:HA	1:145:A:ILE:HA	4	0.14
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD11	3	0.14
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD12	3	0.14
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD13	3	0.14
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD11	18	0.14
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD12	18	0.14
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD13	18	0.14
(1,1718)	1:118:A:TRP:HE1	1:145:A:ILE:HD11	7	0.14
(1,1718)	1:118:A:TRP:HE1	1:145:A:ILE:HD12	7	0.14
(1,1718)	1:118:A:TRP:HE1	1:145:A:ILE:HD13	7	0.14
(1,1718)	1:118:A:TRP:HE1	1:145:A:ILE:HD11	18	0.14
(1,1718)	1:118:A:TRP:HE1	1:145:A:ILE:HD12	18	0.14
(1,1718)	1:118:A:TRP:HE1	1:145:A:ILE:HD13	18	0.14
(1,1718)	1:118:A:TRP:HE1	1:145:A:ILE:HD11	20	0.14
(1,1718)	1:118:A:TRP:HE1	1:145:A:ILE:HD12	20	0.14
(1,1718)	1:118:A:TRP:HE1	1:145:A:ILE:HD13	20	0.14
(1,1609)	1:108:A:VAL:HB	1:118:A:TRP:HB2	17	0.14
(1,1590)	1:106:A:PHE:H	1:120:A:LEU:HD21	4	0.14
(1,1590)	1:106:A:PHE:H	1:120:A:LEU:HD22	4	0.14
(1,1590)	1:106:A:PHE:H	1:120:A:LEU:HD23	4	0.14
(1,1590)	1:106:A:PHE:H	1:120:A:LEU:HD21	7	0.14
(1,1590)	1:106:A:PHE:H	1:120:A:LEU:HD22	7	0.14
(1,1590)	1:106:A:PHE:H	1:120:A:LEU:HD23	7	0.14
(1,1590)	1:106:A:PHE:H	1:120:A:LEU:HD21	19	0.14
(1,1590)	1:106:A:PHE:H	1:120:A:LEU:HD22	19	0.14
(1,1590)	1:106:A:PHE:H	1:120:A:LEU:HD23	19	0.14
(1,1543)	1:252:B:ALA:H	1:254:B:ASP:H	2	0.14
(1,1543)	1:252:B:ALA:H	1:254:B:ASP:H	5	0.14
(1,1543)	1:252:B:ALA:H	1:254:B:ASP:H	8	0.14
(1,1543)	1:252:B:ALA:H	1:254:B:ASP:H	11	0.14
(1,1543)	1:252:B:ALA:H	1:254:B:ASP:H	17	0.14
(1,1511)	1:246:B:GLU:HA	1:249:B:LYS:H	2	0.14
(1,1508)	1:246:B:GLU:HA	1:248:B:VAL:H	4	0.14
(1,1488)	1:243:B:GLN:HA	1:246:B:GLU:HG2	6	0.14
(1,1377)	1:213:B:ALA:HA	1:215:B:LYS:HG3	5	0.14
(1,1377)	1:213:B:ALA:HA	1:215:B:LYS:HG3	7	0.14
(1,1377)	1:213:B:ALA:HA	1:215:B:LYS:HG3	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1364)	1:211:B:ASP:HB3	1:215:B:LYS:HB3	1	0.14
(1,1364)	1:211:B:ASP:HB3	1:215:B:LYS:HB3	4	0.14
(1,1341)	1:158:A:ILE:HB	1:160:A:ALA:HA	1	0.14
(1,1337)	1:152:A:ALA:H	1:154:A:ASP:H	7	0.14
(1,1337)	1:152:A:ALA:H	1:154:A:ASP:H	15	0.14
(1,1337)	1:152:A:ALA:H	1:154:A:ASP:H	16	0.14
(1,1305)	1:146:A:GLU:HA	1:149:A:LYS:H	4	0.14
(1,1302)	1:146:A:GLU:HA	1:148:A:VAL:H	5	0.14
(1,1302)	1:146:A:GLU:HA	1:148:A:VAL:H	8	0.14
(1,1302)	1:146:A:GLU:HA	1:148:A:VAL:H	13	0.14
(1,1282)	1:143:A:GLN:HA	1:146:A:GLU:HG2	13	0.14
(1,1233)	1:137:A:SER:HB2	1:139:A:GLN:H	20	0.14
(1,1203)	1:124:A:ASN:HD22	1:128:A:LEU:HD21	12	0.14
(1,1203)	1:124:A:ASN:HD22	1:128:A:LEU:HD22	12	0.14
(1,1203)	1:124:A:ASN:HD22	1:128:A:LEU:HD23	12	0.14
(1,1175)	1:113:A:ALA:H	1:115:A:LYS:HE2	3	0.14
(1,1175)	1:113:A:ALA:H	1:115:A:LYS:HE3	3	0.14
(1,1175)	1:113:A:ALA:H	1:115:A:LYS:HE2	17	0.14
(1,1175)	1:113:A:ALA:H	1:115:A:LYS:HE3	17	0.14
(1,1171)	1:113:A:ALA:HA	1:115:A:LYS:HG3	9	0.14
(1,1171)	1:113:A:ALA:HA	1:115:A:LYS:HG3	10	0.14
(1,1171)	1:113:A:ALA:HA	1:115:A:LYS:HG3	11	0.14
(1,1158)	1:111:A:ASP:HB3	1:115:A:LYS:HB3	14	0.14
(1,1158)	1:111:A:ASP:HB3	1:115:A:LYS:HB3	16	0.14
(1,1158)	1:111:A:ASP:HB3	1:115:A:LYS:HB3	19	0.14
(1,1136)	1:259:B:GLU:HB2	1:260:B:ALA:H	19	0.14
(1,1130)	1:258:B:ILE:HD11	1:259:B:GLU:H	3	0.14
(1,1130)	1:258:B:ILE:HD12	1:259:B:GLU:H	3	0.14
(1,1130)	1:258:B:ILE:HD13	1:259:B:GLU:H	3	0.14
(1,1130)	1:258:B:ILE:HD11	1:259:B:GLU:H	16	0.14
(1,1130)	1:258:B:ILE:HD12	1:259:B:GLU:H	16	0.14
(1,1130)	1:258:B:ILE:HD13	1:259:B:GLU:H	16	0.14
(1,1129)	1:258:B:ILE:HB	1:259:B:GLU:H	4	0.14
(1,1129)	1:258:B:ILE:HB	1:259:B:GLU:H	7	0.14
(1,1129)	1:258:B:ILE:HB	1:259:B:GLU:H	18	0.14
(1,1119)	1:255:B:ALA:HB1	1:256:B:ASP:H	1	0.14
(1,1119)	1:255:B:ALA:HB2	1:256:B:ASP:H	1	0.14
(1,1119)	1:255:B:ALA:HB3	1:256:B:ASP:H	1	0.14
(1,1119)	1:255:B:ALA:HB1	1:256:B:ASP:H	16	0.14
(1,1119)	1:255:B:ALA:HB2	1:256:B:ASP:H	16	0.14
(1,1119)	1:255:B:ALA:HB3	1:256:B:ASP:H	16	0.14
(1,1112)	1:254:B:ASP:HA	1:255:B:ALA:H	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1112)	1:254:B:ASP:HA	1:255:B:ALA:H	11	0.14
(1,1112)	1:254:B:ASP:HA	1:255:B:ALA:H	19	0.14
(1,1094)	1:251:B:ASN:HD22	1:252:B:ALA:H	1	0.14
(1,1094)	1:251:B:ASN:HD22	1:252:B:ALA:H	11	0.14
(1,1094)	1:251:B:ASN:HD22	1:252:B:ALA:H	20	0.14
(1,1085)	1:250:B:ARG:HG3	1:251:B:ASN:HD21	10	0.14
(1,1085)	1:250:B:ARG:HG3	1:251:B:ASN:HD21	18	0.14
(1,1084)	1:250:B:ARG:HD2	1:251:B:ASN:HD22	7	0.14
(1,1084)	1:250:B:ARG:HD3	1:251:B:ASN:HD22	7	0.14
(1,1025)	1:239:B:GLN:HB2	1:240:B:LYS:H	9	0.14
(1,1015)	1:237:B:SER:HB2	1:238:B:LYS:H	12	0.14
(1,998)	1:232:B:GLY:H	1:233:B:GLU:H	2	0.14
(1,998)	1:232:B:GLY:H	1:233:B:GLU:H	6	0.14
(1,998)	1:232:B:GLY:H	1:233:B:GLU:H	14	0.14
(1,962)	1:225:B:GLY:HA3	1:226:B:ASN:HD21	6	0.14
(1,962)	1:225:B:GLY:HA3	1:226:B:ASN:HD21	10	0.14
(1,962)	1:225:B:GLY:HA3	1:226:B:ASN:HD21	13	0.14
(1,962)	1:225:B:GLY:HA3	1:226:B:ASN:HD21	15	0.14
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD11	11	0.14
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD12	11	0.14
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD13	11	0.14
(1,917)	1:217:B:ARG:HG3	1:218:B:TRP:H	2	0.14
(1,917)	1:217:B:ARG:HG3	1:218:B:TRP:H	7	0.14
(1,907)	1:215:B:LYS:HB2	1:216:B:TYR:H	1	0.14
(1,907)	1:215:B:LYS:HB2	1:216:B:TYR:H	6	0.14
(1,902)	1:214:B:ASP:H	1:215:B:LYS:HG3	10	0.14
(1,846)	1:206:B:PHE:HD1	1:207:B:GLU:HB2	9	0.14
(1,846)	1:206:B:PHE:HD1	1:207:B:GLU:HB3	9	0.14
(1,846)	1:206:B:PHE:HD2	1:207:B:GLU:HB2	9	0.14
(1,846)	1:206:B:PHE:HD2	1:207:B:GLU:HB3	9	0.14
(1,846)	1:206:B:PHE:HD1	1:207:B:GLU:HB2	19	0.14
(1,846)	1:206:B:PHE:HD1	1:207:B:GLU:HB3	19	0.14
(1,846)	1:206:B:PHE:HD2	1:207:B:GLU:HB2	19	0.14
(1,846)	1:206:B:PHE:HD2	1:207:B:GLU:HB3	19	0.14
(1,820)	1:159:A:GLU:HB2	1:160:A:ALA:H	16	0.14
(1,814)	1:158:A:ILE:HD11	1:159:A:GLU:H	4	0.14
(1,814)	1:158:A:ILE:HD12	1:159:A:GLU:H	4	0.14
(1,814)	1:158:A:ILE:HD13	1:159:A:GLU:H	4	0.14
(1,814)	1:158:A:ILE:HD11	1:159:A:GLU:H	10	0.14
(1,814)	1:158:A:ILE:HD12	1:159:A:GLU:H	10	0.14
(1,814)	1:158:A:ILE:HD13	1:159:A:GLU:H	10	0.14
(1,814)	1:158:A:ILE:HD11	1:159:A:GLU:H	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,814)	1:158:A:ILE:HD12	1:159:A:GLU:H	11	0.14
(1,814)	1:158:A:ILE:HD13	1:159:A:GLU:H	11	0.14
(1,814)	1:158:A:ILE:HD11	1:159:A:GLU:H	14	0.14
(1,814)	1:158:A:ILE:HD12	1:159:A:GLU:H	14	0.14
(1,814)	1:158:A:ILE:HD13	1:159:A:GLU:H	14	0.14
(1,813)	1:158:A:ILE:HB	1:159:A:GLU:H	4	0.14
(1,813)	1:158:A:ILE:HB	1:159:A:GLU:H	20	0.14
(1,803)	1:155:A:ALA:HB1	1:156:A:ASP:H	9	0.14
(1,803)	1:155:A:ALA:HB2	1:156:A:ASP:H	9	0.14
(1,803)	1:155:A:ALA:HB3	1:156:A:ASP:H	9	0.14
(1,803)	1:155:A:ALA:HB1	1:156:A:ASP:H	10	0.14
(1,803)	1:155:A:ALA:HB2	1:156:A:ASP:H	10	0.14
(1,803)	1:155:A:ALA:HB3	1:156:A:ASP:H	10	0.14
(1,803)	1:155:A:ALA:HB1	1:156:A:ASP:H	11	0.14
(1,803)	1:155:A:ALA:HB2	1:156:A:ASP:H	11	0.14
(1,803)	1:155:A:ALA:HB3	1:156:A:ASP:H	11	0.14
(1,803)	1:155:A:ALA:HB1	1:156:A:ASP:H	16	0.14
(1,803)	1:155:A:ALA:HB2	1:156:A:ASP:H	16	0.14
(1,803)	1:155:A:ALA:HB3	1:156:A:ASP:H	16	0.14
(1,801)	1:155:A:ALA:HA	1:156:A:ASP:HB2	13	0.14
(1,801)	1:155:A:ALA:HA	1:156:A:ASP:HB3	13	0.14
(1,797)	1:154:A:ASP:HB3	1:155:A:ALA:H	16	0.14
(1,796)	1:154:A:ASP:HA	1:155:A:ALA:H	2	0.14
(1,796)	1:154:A:ASP:HA	1:155:A:ALA:H	5	0.14
(1,796)	1:154:A:ASP:HA	1:155:A:ALA:H	7	0.14
(1,796)	1:154:A:ASP:HA	1:155:A:ALA:H	15	0.14
(1,796)	1:154:A:ASP:HA	1:155:A:ALA:H	17	0.14
(1,796)	1:154:A:ASP:HA	1:155:A:ALA:H	20	0.14
(1,778)	1:151:A:ASN:HD22	1:152:A:ALA:H	7	0.14
(1,729)	1:142:A:LYS:HE2	1:143:A:GLN:HE21	6	0.14
(1,729)	1:142:A:LYS:HE2	1:143:A:GLN:HE21	13	0.14
(1,709)	1:139:A:GLN:HB2	1:140:A:LYS:H	16	0.14
(1,699)	1:137:A:SER:HB2	1:138:A:LYS:H	5	0.14
(1,699)	1:137:A:SER:HB2	1:138:A:LYS:H	7	0.14
(1,682)	1:132:A:GLY:H	1:133:A:GLU:H	19	0.14
(1,646)	1:125:A:GLY:HA3	1:126:A:ASN:HD21	11	0.14
(1,646)	1:125:A:GLY:HA3	1:126:A:ASN:HD21	12	0.14
(1,646)	1:125:A:GLY:HA3	1:126:A:ASN:HD21	14	0.14
(1,591)	1:115:A:LYS:HB2	1:116:A:TYR:H	19	0.14
(1,582)	1:114:A:ASP:HA	1:115:A:LYS:HE2	2	0.14
(1,582)	1:114:A:ASP:HA	1:115:A:LYS:HE3	2	0.14
(1,582)	1:114:A:ASP:HA	1:115:A:LYS:HE2	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,582)	1:114:A:ASP:HA	1:115:A:LYS:HE3	12	0.14
(1,532)	1:106:A:PHE:H	1:107:A:GLU:HG2	16	0.14
(1,530)	1:106:A:PHE:HD1	1:107:A:GLU:HB2	7	0.14
(1,530)	1:106:A:PHE:HD1	1:107:A:GLU:HB3	7	0.14
(1,530)	1:106:A:PHE:HD2	1:107:A:GLU:HB2	7	0.14
(1,530)	1:106:A:PHE:HD2	1:107:A:GLU:HB3	7	0.14
(1,530)	1:106:A:PHE:HD1	1:107:A:GLU:HB2	12	0.14
(1,530)	1:106:A:PHE:HD1	1:107:A:GLU:HB3	12	0.14
(1,530)	1:106:A:PHE:HD2	1:107:A:GLU:HB2	12	0.14
(1,530)	1:106:A:PHE:HD2	1:107:A:GLU:HB3	12	0.14
(1,530)	1:106:A:PHE:HD1	1:107:A:GLU:HB2	17	0.14
(1,530)	1:106:A:PHE:HD1	1:107:A:GLU:HB3	17	0.14
(1,530)	1:106:A:PHE:HD2	1:107:A:GLU:HB2	17	0.14
(1,530)	1:106:A:PHE:HD2	1:107:A:GLU:HB3	17	0.14
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD11	9	0.14
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD12	9	0.14
(1,445)	1:245:B:ILE:H	1:245:B:ILE:HD13	9	0.14
(1,342)	1:224:B:ASN:HA	1:224:B:ASN:HD22	14	0.14
(1,295)	1:214:B:ASP:H	1:214:B:ASP:HB3	4	0.14
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD11	2	0.14
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD12	2	0.14
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD13	2	0.14
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD11	17	0.14
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD12	17	0.14
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD13	17	0.14
(1,54)	1:115:A:LYS:H	1:115:A:LYS:HG3	3	0.14
(1,52)	1:115:A:LYS:H	1:115:A:LYS:HD3	13	0.14
(2,30)	1:137:A:SER:O	1:141:A:ALA:H	1	0.13
(2,30)	1:137:A:SER:O	1:141:A:ALA:H	4	0.13
(2,30)	1:137:A:SER:O	1:141:A:ALA:H	5	0.13
(1,2329)	1:158:A:ILE:H	1:245:B:ILE:HG21	1	0.13
(1,2329)	1:158:A:ILE:H	1:245:B:ILE:HG22	1	0.13
(1,2329)	1:158:A:ILE:H	1:245:B:ILE:HG23	1	0.13
(1,2329)	1:158:A:ILE:H	1:245:B:ILE:HG21	3	0.13
(1,2329)	1:158:A:ILE:H	1:245:B:ILE:HG22	3	0.13
(1,2329)	1:158:A:ILE:H	1:245:B:ILE:HG23	3	0.13
(1,2329)	1:158:A:ILE:H	1:245:B:ILE:HG21	8	0.13
(1,2329)	1:158:A:ILE:H	1:245:B:ILE:HG22	8	0.13
(1,2329)	1:158:A:ILE:H	1:245:B:ILE:HG23	8	0.13
(1,2316)	1:158:A:ILE:HD11	1:207:B:GLU:HG3	8	0.13
(1,2316)	1:158:A:ILE:HD12	1:207:B:GLU:HG3	8	0.13
(1,2316)	1:158:A:ILE:HD13	1:207:B:GLU:HG3	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2316)	1:158:A:ILE:HD11	1:207:B:GLU:HG3	9	0.13
(1,2316)	1:158:A:ILE:HD12	1:207:B:GLU:HG3	9	0.13
(1,2316)	1:158:A:ILE:HD13	1:207:B:GLU:HG3	9	0.13
(1,2304)	1:157:A:VAL:HG21	1:242:B:LYS:HB2	17	0.13
(1,2304)	1:157:A:VAL:HG22	1:242:B:LYS:HB2	17	0.13
(1,2304)	1:157:A:VAL:HG23	1:242:B:LYS:HB2	17	0.13
(1,2296)	1:157:A:VAL:HG11	1:206:B:PHE:HB3	7	0.13
(1,2296)	1:157:A:VAL:HG12	1:206:B:PHE:HB3	7	0.13
(1,2296)	1:157:A:VAL:HG13	1:206:B:PHE:HB3	7	0.13
(1,2296)	1:157:A:VAL:HG11	1:206:B:PHE:HB3	14	0.13
(1,2296)	1:157:A:VAL:HG12	1:206:B:PHE:HB3	14	0.13
(1,2296)	1:157:A:VAL:HG13	1:206:B:PHE:HB3	14	0.13
(1,2278)	1:156:A:ASP:HA	1:206:B:PHE:HB2	10	0.13
(1,2278)	1:156:A:ASP:HA	1:206:B:PHE:HB2	11	0.13
(1,2241)	1:152:A:ALA:HA	1:229:B:ALA:HB1	18	0.13
(1,2241)	1:152:A:ALA:HA	1:229:B:ALA:HB2	18	0.13
(1,2241)	1:152:A:ALA:HA	1:229:B:ALA:HB3	18	0.13
(1,2234)	1:151:A:ASN:HD22	1:201:B:MET:HE1	9	0.13
(1,2234)	1:151:A:ASN:HD22	1:201:B:MET:HE2	9	0.13
(1,2234)	1:151:A:ASN:HD22	1:201:B:MET:HE3	9	0.13
(1,2231)	1:151:A:ASN:HD21	1:201:B:MET:HE1	8	0.13
(1,2231)	1:151:A:ASN:HD21	1:201:B:MET:HE2	8	0.13
(1,2231)	1:151:A:ASN:HD21	1:201:B:MET:HE3	8	0.13
(1,2202)	1:145:A:ILE:HG21	1:258:B:ILE:H	19	0.13
(1,2202)	1:145:A:ILE:HG22	1:258:B:ILE:H	19	0.13
(1,2202)	1:145:A:ILE:HG23	1:258:B:ILE:H	19	0.13
(1,2202)	1:145:A:ILE:HG21	1:258:B:ILE:H	20	0.13
(1,2202)	1:145:A:ILE:HG22	1:258:B:ILE:H	20	0.13
(1,2202)	1:145:A:ILE:HG23	1:258:B:ILE:H	20	0.13
(1,2189)	1:133:A:GLU:HG3	1:227:B:ILE:HG21	19	0.13
(1,2189)	1:133:A:GLU:HG3	1:227:B:ILE:HG22	19	0.13
(1,2189)	1:133:A:GLU:HG3	1:227:B:ILE:HG23	19	0.13
(1,2103)	1:107:A:GLU:HG3	1:258:B:ILE:HD11	9	0.13
(1,2103)	1:107:A:GLU:HG3	1:258:B:ILE:HD12	9	0.13
(1,2103)	1:107:A:GLU:HG3	1:258:B:ILE:HD13	9	0.13
(1,2076)	1:106:A:PHE:HB2	1:256:B:ASP:HA	5	0.13
(1,2076)	1:106:A:PHE:HB2	1:256:B:ASP:HA	7	0.13
(1,2076)	1:106:A:PHE:HB2	1:256:B:ASP:HA	10	0.13
(1,2076)	1:106:A:PHE:HB2	1:256:B:ASP:HA	11	0.13
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG11	9	0.13
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG12	9	0.13
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG13	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG11	16	0.13
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG12	16	0.13
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG13	16	0.13
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG11	19	0.13
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG12	19	0.13
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG13	19	0.13
(1,2035)	1:101:A:MET:HE1	1:251:B:ASN:HD22	14	0.13
(1,2035)	1:101:A:MET:HE2	1:251:B:ASN:HD22	14	0.13
(1,2035)	1:101:A:MET:HE3	1:251:B:ASN:HD22	14	0.13
(1,2024)	1:231:B:SER:HB2	1:244:B:GLY:H	7	0.13
(1,2024)	1:231:B:SER:HB3	1:244:B:GLY:H	7	0.13
(1,2024)	1:231:B:SER:HB2	1:244:B:GLY:H	10	0.13
(1,2024)	1:231:B:SER:HB3	1:244:B:GLY:H	10	0.13
(1,2024)	1:231:B:SER:HB2	1:244:B:GLY:H	19	0.13
(1,2024)	1:231:B:SER:HB3	1:244:B:GLY:H	19	0.13
(1,2022)	1:231:B:SER:HA	1:245:B:ILE:HA	14	0.13
(1,2011)	1:221:B:VAL:H	1:228:B:LEU:HD11	8	0.13
(1,2011)	1:221:B:VAL:H	1:228:B:LEU:HD12	8	0.13
(1,2011)	1:221:B:VAL:H	1:228:B:LEU:HD13	8	0.13
(1,2011)	1:221:B:VAL:H	1:228:B:LEU:HD11	19	0.13
(1,2011)	1:221:B:VAL:H	1:228:B:LEU:HD12	19	0.13
(1,2011)	1:221:B:VAL:H	1:228:B:LEU:HD13	19	0.13
(1,1963)	1:218:B:TRP:HE1	1:246:B:GLU:H	8	0.13
(1,1960)	1:218:B:TRP:HE1	1:245:B:ILE:HD11	9	0.13
(1,1960)	1:218:B:TRP:HE1	1:245:B:ILE:HD12	9	0.13
(1,1960)	1:218:B:TRP:HE1	1:245:B:ILE:HD13	9	0.13
(1,1919)	1:216:B:TYR:HE1	1:237:B:SER:HB3	5	0.13
(1,1919)	1:216:B:TYR:HE2	1:237:B:SER:HB3	5	0.13
(1,1907)	1:215:B:LYS:HG2	1:235:B:TYR:H	17	0.13
(1,1856)	1:208:B:VAL:HG11	1:218:B:TRP:H	14	0.13
(1,1856)	1:208:B:VAL:HG12	1:218:B:TRP:H	14	0.13
(1,1856)	1:208:B:VAL:HG13	1:218:B:TRP:H	14	0.13
(1,1788)	1:135:A:TYR:H	1:140:A:LYS:HB2	6	0.13
(1,1788)	1:135:A:TYR:H	1:140:A:LYS:HB3	6	0.13
(1,1782)	1:131:A:SER:HB2	1:144:A:GLY:H	2	0.13
(1,1782)	1:131:A:SER:HB3	1:144:A:GLY:H	2	0.13
(1,1782)	1:131:A:SER:HB2	1:144:A:GLY:H	4	0.13
(1,1782)	1:131:A:SER:HB3	1:144:A:GLY:H	4	0.13
(1,1782)	1:131:A:SER:HB2	1:144:A:GLY:H	10	0.13
(1,1782)	1:131:A:SER:HB3	1:144:A:GLY:H	10	0.13
(1,1780)	1:131:A:SER:HA	1:145:A:ILE:HA	8	0.13
(1,1780)	1:131:A:SER:HA	1:145:A:ILE:HA	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD11	9	0.13
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD12	9	0.13
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD13	9	0.13
(1,1721)	1:118:A:TRP:HE1	1:146:A:GLU:H	3	0.13
(1,1718)	1:118:A:TRP:HE1	1:145:A:ILE:HD11	17	0.13
(1,1718)	1:118:A:TRP:HE1	1:145:A:ILE:HD12	17	0.13
(1,1718)	1:118:A:TRP:HE1	1:145:A:ILE:HD13	17	0.13
(1,1691)	1:117:A:ARG:HD2	1:135:A:TYR:H	10	0.13
(1,1691)	1:117:A:ARG:HD3	1:135:A:TYR:H	10	0.13
(1,1681)	1:116:A:TYR:HE1	1:138:A:LYS:HD2	5	0.13
(1,1681)	1:116:A:TYR:HE1	1:138:A:LYS:HD3	5	0.13
(1,1681)	1:116:A:TYR:HE2	1:138:A:LYS:HD2	5	0.13
(1,1681)	1:116:A:TYR:HE2	1:138:A:LYS:HD3	5	0.13
(1,1665)	1:115:A:LYS:HG2	1:135:A:TYR:H	3	0.13
(1,1665)	1:115:A:LYS:HG2	1:135:A:TYR:H	7	0.13
(1,1665)	1:115:A:LYS:HG2	1:135:A:TYR:H	11	0.13
(1,1665)	1:115:A:LYS:HG2	1:135:A:TYR:H	12	0.13
(1,1614)	1:108:A:VAL:HG11	1:118:A:TRP:H	12	0.13
(1,1614)	1:108:A:VAL:HG12	1:118:A:TRP:H	12	0.13
(1,1614)	1:108:A:VAL:HG13	1:118:A:TRP:H	12	0.13
(1,1609)	1:108:A:VAL:HB	1:118:A:TRP:HB2	10	0.13
(1,1577)	1:106:A:PHE:HD1	1:119:A:ARG:HA	5	0.13
(1,1577)	1:106:A:PHE:HD2	1:119:A:ARG:HA	5	0.13
(1,1577)	1:106:A:PHE:HD1	1:119:A:ARG:HA	16	0.13
(1,1577)	1:106:A:PHE:HD2	1:119:A:ARG:HA	16	0.13
(1,1568)	1:106:A:PHE:HA	1:121:A:VAL:HG11	1	0.13
(1,1568)	1:106:A:PHE:HA	1:121:A:VAL:HG12	1	0.13
(1,1568)	1:106:A:PHE:HA	1:121:A:VAL:HG13	1	0.13
(1,1568)	1:106:A:PHE:HA	1:121:A:VAL:HG21	1	0.13
(1,1568)	1:106:A:PHE:HA	1:121:A:VAL:HG22	1	0.13
(1,1568)	1:106:A:PHE:HA	1:121:A:VAL:HG23	1	0.13
(1,1550)	1:103:A:LYS:HB3	1:122:A:HIS:HA	11	0.13
(1,1543)	1:252:B:ALA:H	1:254:B:ASP:H	3	0.13
(1,1511)	1:246:B:GLU:HA	1:249:B:LYS:H	6	0.13
(1,1508)	1:246:B:GLU:HA	1:248:B:VAL:H	6	0.13
(1,1508)	1:246:B:GLU:HA	1:248:B:VAL:H	7	0.13
(1,1508)	1:246:B:GLU:HA	1:248:B:VAL:H	14	0.13
(1,1505)	1:245:B:ILE:HG21	1:249:B:LYS:HG2	8	0.13
(1,1505)	1:245:B:ILE:HG21	1:249:B:LYS:HG3	8	0.13
(1,1505)	1:245:B:ILE:HG22	1:249:B:LYS:HG2	8	0.13
(1,1505)	1:245:B:ILE:HG22	1:249:B:LYS:HG3	8	0.13
(1,1505)	1:245:B:ILE:HG23	1:249:B:LYS:HG2	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1505)	1:245:B:ILE:HG23	1:249:B:LYS:HG3	8	0.13
(1,1488)	1:243:B:GLN:HA	1:246:B:GLU:HG2	7	0.13
(1,1455)	1:239:B:GLN:HB2	1:243:B:GLN:HE21	11	0.13
(1,1383)	1:215:B:LYS:HB2	1:217:B:ARG:HG2	11	0.13
(1,1377)	1:213:B:ALA:HA	1:215:B:LYS:HG3	16	0.13
(1,1352)	1:210:B:VAL:HG11	1:214:B:ASP:HB2	6	0.13
(1,1352)	1:210:B:VAL:HG12	1:214:B:ASP:HB2	6	0.13
(1,1352)	1:210:B:VAL:HG13	1:214:B:ASP:HB2	6	0.13
(1,1341)	1:158:A:ILE:HB	1:160:A:ALA:HA	13	0.13
(1,1337)	1:152:A:ALA:H	1:154:A:ASP:H	9	0.13
(1,1337)	1:152:A:ALA:H	1:154:A:ASP:H	20	0.13
(1,1305)	1:146:A:GLU:HA	1:149:A:LYS:H	6	0.13
(1,1305)	1:146:A:GLU:HA	1:149:A:LYS:H	12	0.13
(1,1305)	1:146:A:GLU:HA	1:149:A:LYS:H	17	0.13
(1,1302)	1:146:A:GLU:HA	1:148:A:VAL:H	10	0.13
(1,1302)	1:146:A:GLU:HA	1:148:A:VAL:H	12	0.13
(1,1302)	1:146:A:GLU:HA	1:148:A:VAL:H	19	0.13
(1,1282)	1:143:A:GLN:HA	1:146:A:GLU:HG2	15	0.13
(1,1282)	1:143:A:GLN:HA	1:146:A:GLU:HG2	17	0.13
(1,1233)	1:137:A:SER:HB2	1:139:A:GLN:H	2	0.13
(1,1223)	1:133:A:GLU:HA	1:135:A:TYR:HE1	6	0.13
(1,1223)	1:133:A:GLU:HA	1:135:A:TYR:HE2	6	0.13
(1,1171)	1:113:A:ALA:HA	1:115:A:LYS:HG3	1	0.13
(1,1171)	1:113:A:ALA:HA	1:115:A:LYS:HG3	7	0.13
(1,1171)	1:113:A:ALA:HA	1:115:A:LYS:HG3	8	0.13
(1,1171)	1:113:A:ALA:HA	1:115:A:LYS:HG3	12	0.13
(1,1171)	1:113:A:ALA:HA	1:115:A:LYS:HG3	16	0.13
(1,1171)	1:113:A:ALA:HA	1:115:A:LYS:HG3	20	0.13
(1,1168)	1:111:A:ASP:H	1:115:A:LYS:HG3	12	0.13
(1,1130)	1:258:B:ILE:HD11	1:259:B:GLU:H	6	0.13
(1,1130)	1:258:B:ILE:HD12	1:259:B:GLU:H	6	0.13
(1,1130)	1:258:B:ILE:HD13	1:259:B:GLU:H	6	0.13
(1,1130)	1:258:B:ILE:HD11	1:259:B:GLU:H	9	0.13
(1,1130)	1:258:B:ILE:HD12	1:259:B:GLU:H	9	0.13
(1,1130)	1:258:B:ILE:HD13	1:259:B:GLU:H	9	0.13
(1,1130)	1:258:B:ILE:HD11	1:259:B:GLU:H	13	0.13
(1,1130)	1:258:B:ILE:HD12	1:259:B:GLU:H	13	0.13
(1,1130)	1:258:B:ILE:HD13	1:259:B:GLU:H	13	0.13
(1,1129)	1:258:B:ILE:HB	1:259:B:GLU:H	2	0.13
(1,1129)	1:258:B:ILE:HB	1:259:B:GLU:H	9	0.13
(1,1124)	1:256:B:ASP:HB2	1:257:B:VAL:H	5	0.13
(1,1124)	1:256:B:ASP:HB3	1:257:B:VAL:H	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1119)	1:255:B:ALA:HB1	1:256:B:ASP:H	5	0.13
(1,1119)	1:255:B:ALA:HB2	1:256:B:ASP:H	5	0.13
(1,1119)	1:255:B:ALA:HB3	1:256:B:ASP:H	5	0.13
(1,1119)	1:255:B:ALA:HB1	1:256:B:ASP:H	11	0.13
(1,1119)	1:255:B:ALA:HB2	1:256:B:ASP:H	11	0.13
(1,1119)	1:255:B:ALA:HB3	1:256:B:ASP:H	11	0.13
(1,1119)	1:255:B:ALA:HB1	1:256:B:ASP:H	14	0.13
(1,1119)	1:255:B:ALA:HB2	1:256:B:ASP:H	14	0.13
(1,1119)	1:255:B:ALA:HB3	1:256:B:ASP:H	14	0.13
(1,1117)	1:255:B:ALA:HA	1:256:B:ASP:HB2	13	0.13
(1,1117)	1:255:B:ALA:HA	1:256:B:ASP:HB3	13	0.13
(1,1117)	1:255:B:ALA:HA	1:256:B:ASP:HB2	17	0.13
(1,1117)	1:255:B:ALA:HA	1:256:B:ASP:HB3	17	0.13
(1,1117)	1:255:B:ALA:HA	1:256:B:ASP:HB2	18	0.13
(1,1117)	1:255:B:ALA:HA	1:256:B:ASP:HB3	18	0.13
(1,1094)	1:251:B:ASN:HD22	1:252:B:ALA:H	4	0.13
(1,1094)	1:251:B:ASN:HD22	1:252:B:ALA:H	12	0.13
(1,1094)	1:251:B:ASN:HD22	1:252:B:ALA:H	16	0.13
(1,1076)	1:249:B:LYS:H	1:250:B:ARG:HB2	17	0.13
(1,1050)	1:244:B:GLY:H	1:245:B:ILE:HD11	13	0.13
(1,1050)	1:244:B:GLY:H	1:245:B:ILE:HD12	13	0.13
(1,1050)	1:244:B:GLY:H	1:245:B:ILE:HD13	13	0.13
(1,1045)	1:242:B:LYS:HE2	1:243:B:GLN:HE21	14	0.13
(1,1045)	1:242:B:LYS:HE2	1:243:B:GLN:HE21	19	0.13
(1,1025)	1:239:B:GLN:HB2	1:240:B:LYS:H	3	0.13
(1,1023)	1:238:B:LYS:H	1:239:B:GLN:HB2	6	0.13
(1,1015)	1:237:B:SER:HB2	1:238:B:LYS:H	8	0.13
(1,1015)	1:237:B:SER:HB2	1:238:B:LYS:H	20	0.13
(1,1008)	1:235:B:TYR:HB3	1:236:B:ALA:HA	3	0.13
(1,998)	1:232:B:GLY:H	1:233:B:GLU:H	1	0.13
(1,962)	1:225:B:GLY:HA3	1:226:B:ASN:HD21	9	0.13
(1,962)	1:225:B:GLY:HA3	1:226:B:ASN:HD21	17	0.13
(1,962)	1:225:B:GLY:HA3	1:226:B:ASN:HD21	19	0.13
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD11	17	0.13
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD12	17	0.13
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD13	17	0.13
(1,908)	1:215:B:LYS:HG3	1:216:B:TYR:H	18	0.13
(1,870)	1:209:B:PHE:HE1	1:210:B:VAL:H	15	0.13
(1,870)	1:209:B:PHE:HE2	1:210:B:VAL:H	15	0.13
(1,870)	1:209:B:PHE:HE1	1:210:B:VAL:H	16	0.13
(1,870)	1:209:B:PHE:HE2	1:210:B:VAL:H	16	0.13
(1,848)	1:206:B:PHE:H	1:207:B:GLU:HG2	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,846)	1:206:B:PHE:HD1	1:207:B:GLU:HB2	13	0.13
(1,846)	1:206:B:PHE:HD1	1:207:B:GLU:HB3	13	0.13
(1,846)	1:206:B:PHE:HD2	1:207:B:GLU:HB2	13	0.13
(1,846)	1:206:B:PHE:HD2	1:207:B:GLU:HB3	13	0.13
(1,846)	1:206:B:PHE:HD1	1:207:B:GLU:HB2	17	0.13
(1,846)	1:206:B:PHE:HD1	1:207:B:GLU:HB3	17	0.13
(1,846)	1:206:B:PHE:HD2	1:207:B:GLU:HB2	17	0.13
(1,846)	1:206:B:PHE:HD2	1:207:B:GLU:HB3	17	0.13
(1,838)	1:205:B:HIS:HB3	1:206:B:PHE:H	11	0.13
(1,814)	1:158:A:ILE:HD11	1:159:A:GLU:H	20	0.13
(1,814)	1:158:A:ILE:HD12	1:159:A:GLU:H	20	0.13
(1,814)	1:158:A:ILE:HD13	1:159:A:GLU:H	20	0.13
(1,803)	1:155:A:ALA:HB1	1:156:A:ASP:H	2	0.13
(1,803)	1:155:A:ALA:HB2	1:156:A:ASP:H	2	0.13
(1,803)	1:155:A:ALA:HB3	1:156:A:ASP:H	2	0.13
(1,803)	1:155:A:ALA:HB1	1:156:A:ASP:H	17	0.13
(1,803)	1:155:A:ALA:HB2	1:156:A:ASP:H	17	0.13
(1,803)	1:155:A:ALA:HB3	1:156:A:ASP:H	17	0.13
(1,803)	1:155:A:ALA:HB1	1:156:A:ASP:H	18	0.13
(1,803)	1:155:A:ALA:HB2	1:156:A:ASP:H	18	0.13
(1,803)	1:155:A:ALA:HB3	1:156:A:ASP:H	18	0.13
(1,803)	1:155:A:ALA:HB1	1:156:A:ASP:H	19	0.13
(1,803)	1:155:A:ALA:HB2	1:156:A:ASP:H	19	0.13
(1,803)	1:155:A:ALA:HB3	1:156:A:ASP:H	19	0.13
(1,801)	1:155:A:ALA:HA	1:156:A:ASP:HB2	1	0.13
(1,801)	1:155:A:ALA:HA	1:156:A:ASP:HB3	1	0.13
(1,801)	1:155:A:ALA:HA	1:156:A:ASP:HB2	3	0.13
(1,801)	1:155:A:ALA:HA	1:156:A:ASP:HB3	3	0.13
(1,801)	1:155:A:ALA:HA	1:156:A:ASP:HB2	8	0.13
(1,801)	1:155:A:ALA:HA	1:156:A:ASP:HB3	8	0.13
(1,801)	1:155:A:ALA:HA	1:156:A:ASP:HB2	11	0.13
(1,801)	1:155:A:ALA:HA	1:156:A:ASP:HB3	11	0.13
(1,801)	1:155:A:ALA:HA	1:156:A:ASP:HB2	16	0.13
(1,801)	1:155:A:ALA:HA	1:156:A:ASP:HB3	16	0.13
(1,801)	1:155:A:ALA:HA	1:156:A:ASP:HB2	18	0.13
(1,801)	1:155:A:ALA:HA	1:156:A:ASP:HB3	18	0.13
(1,796)	1:154:A:ASP:HA	1:155:A:ALA:H	6	0.13
(1,796)	1:154:A:ASP:HA	1:155:A:ALA:H	14	0.13
(1,796)	1:154:A:ASP:HA	1:155:A:ALA:H	19	0.13
(1,778)	1:151:A:ASN:HD22	1:152:A:ALA:H	8	0.13
(1,778)	1:151:A:ASN:HD22	1:152:A:ALA:H	14	0.13
(1,734)	1:144:A:GLY:H	1:145:A:ILE:HD11	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,734)	1:144:A:GLY:H	1:145:A:ILE:HD12	14	0.13
(1,734)	1:144:A:GLY:H	1:145:A:ILE:HD13	14	0.13
(1,729)	1:142:A:LYS:HE2	1:143:A:GLN:HE21	1	0.13
(1,729)	1:142:A:LYS:HE2	1:143:A:GLN:HE21	11	0.13
(1,714)	1:140:A:LYS:HG3	1:141:A:ALA:HA	11	0.13
(1,714)	1:140:A:LYS:HG3	1:141:A:ALA:HA	14	0.13
(1,709)	1:139:A:GLN:HB2	1:140:A:LYS:H	14	0.13
(1,707)	1:138:A:LYS:H	1:139:A:GLN:HB2	2	0.13
(1,699)	1:137:A:SER:HB2	1:138:A:LYS:H	1	0.13
(1,699)	1:137:A:SER:HB2	1:138:A:LYS:H	12	0.13
(1,699)	1:137:A:SER:HB2	1:138:A:LYS:H	17	0.13
(1,688)	1:133:A:GLU:HG2	1:134:A:GLY:H	14	0.13
(1,682)	1:132:A:GLY:H	1:133:A:GLU:H	4	0.13
(1,682)	1:132:A:GLY:H	1:133:A:GLU:H	15	0.13
(1,682)	1:132:A:GLY:H	1:133:A:GLU:H	20	0.13
(1,646)	1:125:A:GLY:HA3	1:126:A:ASN:HD21	4	0.13
(1,646)	1:125:A:GLY:HA3	1:126:A:ASN:HD21	20	0.13
(1,621)	1:119:A:ARG:H	1:120:A:LEU:HD11	4	0.13
(1,621)	1:119:A:ARG:H	1:120:A:LEU:HD12	4	0.13
(1,621)	1:119:A:ARG:H	1:120:A:LEU:HD13	4	0.13
(1,621)	1:119:A:ARG:H	1:120:A:LEU:HD11	6	0.13
(1,621)	1:119:A:ARG:H	1:120:A:LEU:HD12	6	0.13
(1,621)	1:119:A:ARG:H	1:120:A:LEU:HD13	6	0.13
(1,612)	1:118:A:TRP:HB2	1:119:A:ARG:HD2	13	0.13
(1,612)	1:118:A:TRP:HB2	1:119:A:ARG:HD3	13	0.13
(1,601)	1:117:A:ARG:HG3	1:118:A:TRP:H	8	0.13
(1,591)	1:115:A:LYS:HB2	1:116:A:TYR:H	2	0.13
(1,582)	1:114:A:ASP:HA	1:115:A:LYS:HE2	1	0.13
(1,582)	1:114:A:ASP:HA	1:115:A:LYS:HE3	1	0.13
(1,554)	1:109:A:PHE:HE1	1:110:A:VAL:H	2	0.13
(1,554)	1:109:A:PHE:HE2	1:110:A:VAL:H	2	0.13
(1,530)	1:106:A:PHE:HD1	1:107:A:GLU:HB2	11	0.13
(1,530)	1:106:A:PHE:HD1	1:107:A:GLU:HB3	11	0.13
(1,530)	1:106:A:PHE:HD2	1:107:A:GLU:HB2	11	0.13
(1,530)	1:106:A:PHE:HD2	1:107:A:GLU:HB3	11	0.13
(1,467)	1:250:B:ARG:HA	1:250:B:ARG:HG2	7	0.13
(1,452)	1:246:B:GLU:H	1:246:B:GLU:HG3	1	0.13
(1,452)	1:246:B:GLU:H	1:246:B:GLU:HG3	5	0.13
(1,452)	1:246:B:GLU:H	1:246:B:GLU:HG3	8	0.13
(1,452)	1:246:B:GLU:H	1:246:B:GLU:HG3	15	0.13
(1,452)	1:246:B:GLU:H	1:246:B:GLU:HG3	18	0.13
(1,396)	1:238:B:LYS:H	1:238:B:LYS:HE2	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,396)	1:238:B:LYS:H	1:238:B:LYS:HE3	3	0.13
(1,396)	1:238:B:LYS:H	1:238:B:LYS:HE2	12	0.13
(1,396)	1:238:B:LYS:H	1:238:B:LYS:HE3	12	0.13
(1,304)	1:215:B:LYS:H	1:215:B:LYS:HD3	7	0.13
(1,295)	1:214:B:ASP:H	1:214:B:ASP:HB3	9	0.13
(1,295)	1:214:B:ASP:H	1:214:B:ASP:HB3	12	0.13
(1,256)	1:203:B:LYS:HB2	1:203:B:LYS:HE2	8	0.13
(1,256)	1:203:B:LYS:HB2	1:203:B:LYS:HE3	8	0.13
(1,213)	1:150:A:ARG:HA	1:150:A:ARG:HD2	19	0.13
(1,213)	1:150:A:ARG:HA	1:150:A:ARG:HD3	19	0.13
(1,200)	1:146:A:GLU:H	1:146:A:GLU:HG3	3	0.13
(1,200)	1:146:A:GLU:H	1:146:A:GLU:HG3	18	0.13
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD11	19	0.13
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD12	19	0.13
(1,193)	1:145:A:ILE:H	1:145:A:ILE:HD13	19	0.13
(1,54)	1:115:A:LYS:H	1:115:A:LYS:HG3	17	0.13
(1,52)	1:115:A:LYS:H	1:115:A:LYS:HD3	19	0.13
(1,43)	1:114:A:ASP:H	1:114:A:ASP:HB3	4	0.13
(2,84)	1:241:B:ALA:O	1:245:B:ILE:H	5	0.12
(2,84)	1:241:B:ALA:O	1:245:B:ILE:H	10	0.12
(2,76)	1:237:B:SER:O	1:241:B:ALA:H	4	0.12
(2,76)	1:237:B:SER:O	1:241:B:ALA:H	17	0.12
(2,38)	1:141:A:ALA:O	1:145:A:ILE:H	18	0.12
(2,30)	1:137:A:SER:O	1:141:A:ALA:H	12	0.12
(2,30)	1:137:A:SER:O	1:141:A:ALA:H	18	0.12
(1,2335)	1:160:A:ALA:HB1	1:209:B:PHE:HD1	7	0.12
(1,2335)	1:160:A:ALA:HB1	1:209:B:PHE:HD2	7	0.12
(1,2335)	1:160:A:ALA:HB2	1:209:B:PHE:HD1	7	0.12
(1,2335)	1:160:A:ALA:HB2	1:209:B:PHE:HD2	7	0.12
(1,2335)	1:160:A:ALA:HB3	1:209:B:PHE:HD1	7	0.12
(1,2335)	1:160:A:ALA:HB3	1:209:B:PHE:HD2	7	0.12
(1,2335)	1:160:A:ALA:HB1	1:209:B:PHE:HD1	13	0.12
(1,2335)	1:160:A:ALA:HB1	1:209:B:PHE:HD2	13	0.12
(1,2335)	1:160:A:ALA:HB2	1:209:B:PHE:HD1	13	0.12
(1,2335)	1:160:A:ALA:HB2	1:209:B:PHE:HD2	13	0.12
(1,2335)	1:160:A:ALA:HB3	1:209:B:PHE:HD1	13	0.12
(1,2335)	1:160:A:ALA:HB3	1:209:B:PHE:HD2	13	0.12
(1,2296)	1:157:A:VAL:HG11	1:206:B:PHE:HB3	2	0.12
(1,2296)	1:157:A:VAL:HG12	1:206:B:PHE:HB3	2	0.12
(1,2296)	1:157:A:VAL:HG13	1:206:B:PHE:HB3	2	0.12
(1,2278)	1:156:A:ASP:HA	1:206:B:PHE:HB2	13	0.12
(1,2278)	1:156:A:ASP:HA	1:206:B:PHE:HB2	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2241)	1:152:A:ALA:HA	1:229:B:ALA:HB1	15	0.12
(1,2241)	1:152:A:ALA:HA	1:229:B:ALA:HB2	15	0.12
(1,2241)	1:152:A:ALA:HA	1:229:B:ALA:HB3	15	0.12
(1,2234)	1:151:A:ASN:HD22	1:201:B:MET:HE1	6	0.12
(1,2234)	1:151:A:ASN:HD22	1:201:B:MET:HE2	6	0.12
(1,2234)	1:151:A:ASN:HD22	1:201:B:MET:HE3	6	0.12
(1,2234)	1:151:A:ASN:HD22	1:201:B:MET:HE1	14	0.12
(1,2234)	1:151:A:ASN:HD22	1:201:B:MET:HE2	14	0.12
(1,2234)	1:151:A:ASN:HD22	1:201:B:MET:HE3	14	0.12
(1,2202)	1:145:A:ILE:HG21	1:258:B:ILE:H	1	0.12
(1,2202)	1:145:A:ILE:HG22	1:258:B:ILE:H	1	0.12
(1,2202)	1:145:A:ILE:HG23	1:258:B:ILE:H	1	0.12
(1,2202)	1:145:A:ILE:HG21	1:258:B:ILE:H	3	0.12
(1,2202)	1:145:A:ILE:HG22	1:258:B:ILE:H	3	0.12
(1,2202)	1:145:A:ILE:HG23	1:258:B:ILE:H	3	0.12
(1,2202)	1:145:A:ILE:HG21	1:258:B:ILE:H	8	0.12
(1,2202)	1:145:A:ILE:HG22	1:258:B:ILE:H	8	0.12
(1,2202)	1:145:A:ILE:HG23	1:258:B:ILE:H	8	0.12
(1,2202)	1:145:A:ILE:HG21	1:258:B:ILE:H	9	0.12
(1,2202)	1:145:A:ILE:HG22	1:258:B:ILE:H	9	0.12
(1,2202)	1:145:A:ILE:HG23	1:258:B:ILE:H	9	0.12
(1,2189)	1:133:A:GLU:HG3	1:227:B:ILE:HG21	10	0.12
(1,2189)	1:133:A:GLU:HG3	1:227:B:ILE:HG22	10	0.12
(1,2189)	1:133:A:GLU:HG3	1:227:B:ILE:HG23	10	0.12
(1,2115)	1:109:A:PHE:HD1	1:260:B:ALA:HB1	3	0.12
(1,2115)	1:109:A:PHE:HD1	1:260:B:ALA:HB2	3	0.12
(1,2115)	1:109:A:PHE:HD1	1:260:B:ALA:HB3	3	0.12
(1,2115)	1:109:A:PHE:HD2	1:260:B:ALA:HB1	3	0.12
(1,2115)	1:109:A:PHE:HD2	1:260:B:ALA:HB2	3	0.12
(1,2115)	1:109:A:PHE:HD2	1:260:B:ALA:HB3	3	0.12
(1,2115)	1:109:A:PHE:HD1	1:260:B:ALA:HB1	5	0.12
(1,2115)	1:109:A:PHE:HD1	1:260:B:ALA:HB2	5	0.12
(1,2115)	1:109:A:PHE:HD1	1:260:B:ALA:HB3	5	0.12
(1,2115)	1:109:A:PHE:HD2	1:260:B:ALA:HB1	5	0.12
(1,2115)	1:109:A:PHE:HD2	1:260:B:ALA:HB2	5	0.12
(1,2115)	1:109:A:PHE:HD2	1:260:B:ALA:HB3	5	0.12
(1,2076)	1:106:A:PHE:HB2	1:256:B:ASP:HA	1	0.12
(1,2076)	1:106:A:PHE:HB2	1:256:B:ASP:HA	3	0.12
(1,2076)	1:106:A:PHE:HB2	1:256:B:ASP:HA	15	0.12
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG11	3	0.12
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG12	3	0.12
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG13	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG11	13	0.12
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG12	13	0.12
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG13	13	0.12
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG11	15	0.12
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG12	15	0.12
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG13	15	0.12
(1,2035)	1:101:A:MET:HE1	1:251:B:ASN:HD22	7	0.12
(1,2035)	1:101:A:MET:HE2	1:251:B:ASN:HD22	7	0.12
(1,2035)	1:101:A:MET:HE3	1:251:B:ASN:HD22	7	0.12
(1,2035)	1:101:A:MET:HE1	1:251:B:ASN:HD22	12	0.12
(1,2035)	1:101:A:MET:HE2	1:251:B:ASN:HD22	12	0.12
(1,2035)	1:101:A:MET:HE3	1:251:B:ASN:HD22	12	0.12
(1,2030)	1:235:B:TYR:H	1:240:B:LYS:HB2	1	0.12
(1,2030)	1:235:B:TYR:H	1:240:B:LYS:HB3	1	0.12
(1,2030)	1:235:B:TYR:H	1:240:B:LYS:HB2	3	0.12
(1,2030)	1:235:B:TYR:H	1:240:B:LYS:HB3	3	0.12
(1,2024)	1:231:B:SER:HB2	1:244:B:GLY:H	1	0.12
(1,2024)	1:231:B:SER:HB3	1:244:B:GLY:H	1	0.12
(1,2011)	1:221:B:VAL:H	1:228:B:LEU:HD11	13	0.12
(1,2011)	1:221:B:VAL:H	1:228:B:LEU:HD12	13	0.12
(1,2011)	1:221:B:VAL:H	1:228:B:LEU:HD13	13	0.12
(1,2011)	1:221:B:VAL:H	1:228:B:LEU:HD11	14	0.12
(1,2011)	1:221:B:VAL:H	1:228:B:LEU:HD12	14	0.12
(1,2011)	1:221:B:VAL:H	1:228:B:LEU:HD13	14	0.12
(1,1979)	1:219:B:ARG:HD2	1:231:B:SER:H	8	0.12
(1,1979)	1:219:B:ARG:HD3	1:231:B:SER:H	8	0.12
(1,1963)	1:218:B:TRP:HE1	1:246:B:GLU:H	3	0.12
(1,1963)	1:218:B:TRP:HE1	1:246:B:GLU:H	5	0.12
(1,1963)	1:218:B:TRP:HE1	1:246:B:GLU:H	15	0.12
(1,1963)	1:218:B:TRP:HE1	1:246:B:GLU:H	18	0.12
(1,1960)	1:218:B:TRP:HE1	1:245:B:ILE:HD11	5	0.12
(1,1960)	1:218:B:TRP:HE1	1:245:B:ILE:HD12	5	0.12
(1,1960)	1:218:B:TRP:HE1	1:245:B:ILE:HD13	5	0.12
(1,1960)	1:218:B:TRP:HE1	1:245:B:ILE:HD11	7	0.12
(1,1960)	1:218:B:TRP:HE1	1:245:B:ILE:HD12	7	0.12
(1,1960)	1:218:B:TRP:HE1	1:245:B:ILE:HD13	7	0.12
(1,1953)	1:218:B:TRP:HE1	1:231:B:SER:HA	5	0.12
(1,1953)	1:218:B:TRP:HE1	1:231:B:SER:HA	6	0.12
(1,1923)	1:216:B:TYR:HE1	1:238:B:LYS:HD2	5	0.12
(1,1923)	1:216:B:TYR:HE1	1:238:B:LYS:HD3	5	0.12
(1,1923)	1:216:B:TYR:HE2	1:238:B:LYS:HD2	5	0.12
(1,1923)	1:216:B:TYR:HE2	1:238:B:LYS:HD3	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1923)	1:216:B:TYR:HE1	1:238:B:LYS:HD2	6	0.12
(1,1923)	1:216:B:TYR:HE1	1:238:B:LYS:HD3	6	0.12
(1,1923)	1:216:B:TYR:HE2	1:238:B:LYS:HD2	6	0.12
(1,1923)	1:216:B:TYR:HE2	1:238:B:LYS:HD3	6	0.12
(1,1919)	1:216:B:TYR:HE1	1:237:B:SER:HB3	17	0.12
(1,1919)	1:216:B:TYR:HE2	1:237:B:SER:HB3	17	0.12
(1,1908)	1:216:B:TYR:HA	1:241:B:ALA:HB1	3	0.12
(1,1908)	1:216:B:TYR:HA	1:241:B:ALA:HB2	3	0.12
(1,1908)	1:216:B:TYR:HA	1:241:B:ALA:HB3	3	0.12
(1,1907)	1:215:B:LYS:HG2	1:235:B:TYR:H	20	0.12
(1,1856)	1:208:B:VAL:HG11	1:218:B:TRP:H	7	0.12
(1,1856)	1:208:B:VAL:HG12	1:218:B:TRP:H	7	0.12
(1,1856)	1:208:B:VAL:HG13	1:218:B:TRP:H	7	0.12
(1,1832)	1:206:B:PHE:H	1:220:B:LEU:HD21	5	0.12
(1,1832)	1:206:B:PHE:H	1:220:B:LEU:HD22	5	0.12
(1,1832)	1:206:B:PHE:H	1:220:B:LEU:HD23	5	0.12
(1,1782)	1:131:A:SER:HB2	1:144:A:GLY:H	5	0.12
(1,1782)	1:131:A:SER:HB3	1:144:A:GLY:H	5	0.12
(1,1780)	1:131:A:SER:HA	1:145:A:ILE:HA	5	0.12
(1,1780)	1:131:A:SER:HA	1:145:A:ILE:HA	11	0.12
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD11	6	0.12
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD12	6	0.12
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD13	6	0.12
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD11	20	0.12
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD12	20	0.12
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD13	20	0.12
(1,1768)	1:121:A:VAL:HG11	1:126:A:ASN:HD22	12	0.12
(1,1768)	1:121:A:VAL:HG12	1:126:A:ASN:HD22	12	0.12
(1,1768)	1:121:A:VAL:HG13	1:126:A:ASN:HD22	12	0.12
(1,1768)	1:121:A:VAL:HG21	1:126:A:ASN:HD22	12	0.12
(1,1768)	1:121:A:VAL:HG22	1:126:A:ASN:HD22	12	0.12
(1,1768)	1:121:A:VAL:HG23	1:126:A:ASN:HD22	12	0.12
(1,1721)	1:118:A:TRP:HE1	1:146:A:GLU:H	5	0.12
(1,1718)	1:118:A:TRP:HE1	1:145:A:ILE:HD11	8	0.12
(1,1718)	1:118:A:TRP:HE1	1:145:A:ILE:HD12	8	0.12
(1,1718)	1:118:A:TRP:HE1	1:145:A:ILE:HD13	8	0.12
(1,1711)	1:118:A:TRP:HE1	1:131:A:SER:HA	11	0.12
(1,1691)	1:117:A:ARG:HD2	1:135:A:TYR:H	1	0.12
(1,1691)	1:117:A:ARG:HD3	1:135:A:TYR:H	1	0.12
(1,1681)	1:116:A:TYR:HE1	1:138:A:LYS:HD2	9	0.12
(1,1681)	1:116:A:TYR:HE1	1:138:A:LYS:HD3	9	0.12
(1,1681)	1:116:A:TYR:HE2	1:138:A:LYS:HD2	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1681)	1:116:A:TYR:HE2	1:138:A:LYS:HD3	9	0.12
(1,1677)	1:116:A:TYR:HE1	1:137:A:SER:HB3	4	0.12
(1,1677)	1:116:A:TYR:HE2	1:137:A:SER:HB3	4	0.12
(1,1665)	1:115:A:LYS:HG2	1:135:A:TYR:H	9	0.12
(1,1665)	1:115:A:LYS:HG2	1:135:A:TYR:H	10	0.12
(1,1665)	1:115:A:LYS:HG2	1:135:A:TYR:H	18	0.12
(1,1609)	1:108:A:VAL:HB	1:118:A:TRP:HB2	8	0.12
(1,1609)	1:108:A:VAL:HB	1:118:A:TRP:HB2	12	0.12
(1,1590)	1:106:A:PHE:H	1:120:A:LEU:HD21	13	0.12
(1,1590)	1:106:A:PHE:H	1:120:A:LEU:HD22	13	0.12
(1,1590)	1:106:A:PHE:H	1:120:A:LEU:HD23	13	0.12
(1,1577)	1:106:A:PHE:HD1	1:119:A:ARG:HA	10	0.12
(1,1577)	1:106:A:PHE:HD2	1:119:A:ARG:HA	10	0.12
(1,1577)	1:106:A:PHE:HD1	1:119:A:ARG:HA	18	0.12
(1,1577)	1:106:A:PHE:HD2	1:119:A:ARG:HA	18	0.12
(1,1543)	1:252:B:ALA:H	1:254:B:ASP:H	19	0.12
(1,1511)	1:246:B:GLU:HA	1:249:B:LYS:H	7	0.12
(1,1511)	1:246:B:GLU:HA	1:249:B:LYS:H	16	0.12
(1,1511)	1:246:B:GLU:HA	1:249:B:LYS:H	20	0.12
(1,1508)	1:246:B:GLU:HA	1:248:B:VAL:H	2	0.12
(1,1508)	1:246:B:GLU:HA	1:248:B:VAL:H	9	0.12
(1,1508)	1:246:B:GLU:HA	1:248:B:VAL:H	13	0.12
(1,1508)	1:246:B:GLU:HA	1:248:B:VAL:H	15	0.12
(1,1508)	1:246:B:GLU:HA	1:248:B:VAL:H	19	0.12
(1,1497)	1:245:B:ILE:HB	1:249:B:LYS:HD2	19	0.12
(1,1497)	1:245:B:ILE:HB	1:249:B:LYS:HD3	19	0.12
(1,1429)	1:233:B:GLU:HA	1:235:B:TYR:HE1	3	0.12
(1,1429)	1:233:B:GLU:HA	1:235:B:TYR:HE2	3	0.12
(1,1374)	1:211:B:ASP:H	1:215:B:LYS:HG3	17	0.12
(1,1337)	1:152:A:ALA:H	1:154:A:ASP:H	5	0.12
(1,1337)	1:152:A:ALA:H	1:154:A:ASP:H	6	0.12
(1,1337)	1:152:A:ALA:H	1:154:A:ASP:H	10	0.12
(1,1337)	1:152:A:ALA:H	1:154:A:ASP:H	12	0.12
(1,1309)	1:147:A:SER:HB3	1:149:A:LYS:H	1	0.12
(1,1305)	1:146:A:GLU:HA	1:149:A:LYS:H	13	0.12
(1,1305)	1:146:A:GLU:HA	1:149:A:LYS:H	14	0.12
(1,1305)	1:146:A:GLU:HA	1:149:A:LYS:H	16	0.12
(1,1302)	1:146:A:GLU:HA	1:148:A:VAL:H	2	0.12
(1,1302)	1:146:A:GLU:HA	1:148:A:VAL:H	3	0.12
(1,1302)	1:146:A:GLU:HA	1:148:A:VAL:H	4	0.12
(1,1302)	1:146:A:GLU:HA	1:148:A:VAL:H	6	0.12
(1,1302)	1:146:A:GLU:HA	1:148:A:VAL:H	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1302)	1:146:A:GLU:HA	1:148:A:VAL:H	11	0.12
(1,1302)	1:146:A:GLU:HA	1:148:A:VAL:H	14	0.12
(1,1282)	1:143:A:GLN:HA	1:146:A:GLU:HG2	4	0.12
(1,1282)	1:143:A:GLN:HA	1:146:A:GLU:HG2	6	0.12
(1,1282)	1:143:A:GLN:HA	1:146:A:GLU:HG2	11	0.12
(1,1249)	1:139:A:GLN:HB2	1:143:A:GLN:HE21	3	0.12
(1,1233)	1:137:A:SER:HB2	1:139:A:GLN:H	8	0.12
(1,1233)	1:137:A:SER:HB2	1:139:A:GLN:H	15	0.12
(1,1229)	1:135:A:TYR:H	1:137:A:SER:H	6	0.12
(1,1221)	1:131:A:SER:HB2	1:133:A:GLU:HB3	5	0.12
(1,1221)	1:131:A:SER:HB3	1:133:A:GLU:HB3	5	0.12
(1,1221)	1:131:A:SER:HB2	1:133:A:GLU:HB3	15	0.12
(1,1221)	1:131:A:SER:HB3	1:133:A:GLU:HB3	15	0.12
(1,1203)	1:124:A:ASN:HD22	1:128:A:LEU:HD21	4	0.12
(1,1203)	1:124:A:ASN:HD22	1:128:A:LEU:HD22	4	0.12
(1,1203)	1:124:A:ASN:HD22	1:128:A:LEU:HD23	4	0.12
(1,1203)	1:124:A:ASN:HD22	1:128:A:LEU:HD21	14	0.12
(1,1203)	1:124:A:ASN:HD22	1:128:A:LEU:HD22	14	0.12
(1,1203)	1:124:A:ASN:HD22	1:128:A:LEU:HD23	14	0.12
(1,1171)	1:113:A:ALA:HA	1:115:A:LYS:HG3	13	0.12
(1,1171)	1:113:A:ALA:HA	1:115:A:LYS:HG3	18	0.12
(1,1171)	1:113:A:ALA:HA	1:115:A:LYS:HG3	19	0.12
(1,1158)	1:111:A:ASP:HB3	1:115:A:LYS:HB3	1	0.12
(1,1158)	1:111:A:ASP:HB3	1:115:A:LYS:HB3	7	0.12
(1,1130)	1:258:B:ILE:HD11	1:259:B:GLU:H	4	0.12
(1,1130)	1:258:B:ILE:HD12	1:259:B:GLU:H	4	0.12
(1,1130)	1:258:B:ILE:HD13	1:259:B:GLU:H	4	0.12
(1,1130)	1:258:B:ILE:HD11	1:259:B:GLU:H	15	0.12
(1,1130)	1:258:B:ILE:HD12	1:259:B:GLU:H	15	0.12
(1,1130)	1:258:B:ILE:HD13	1:259:B:GLU:H	15	0.12
(1,1129)	1:258:B:ILE:HB	1:259:B:GLU:H	16	0.12
(1,1119)	1:255:B:ALA:HB1	1:256:B:ASP:H	3	0.12
(1,1119)	1:255:B:ALA:HB2	1:256:B:ASP:H	3	0.12
(1,1119)	1:255:B:ALA:HB3	1:256:B:ASP:H	3	0.12
(1,1119)	1:255:B:ALA:HB1	1:256:B:ASP:H	6	0.12
(1,1119)	1:255:B:ALA:HB2	1:256:B:ASP:H	6	0.12
(1,1119)	1:255:B:ALA:HB3	1:256:B:ASP:H	6	0.12
(1,1119)	1:255:B:ALA:HB1	1:256:B:ASP:H	10	0.12
(1,1119)	1:255:B:ALA:HB2	1:256:B:ASP:H	10	0.12
(1,1119)	1:255:B:ALA:HB3	1:256:B:ASP:H	10	0.12
(1,1119)	1:255:B:ALA:HB1	1:256:B:ASP:H	15	0.12
(1,1119)	1:255:B:ALA:HB2	1:256:B:ASP:H	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1119)	1:255:B:ALA:HB3	1:256:B:ASP:H	15	0.12
(1,1119)	1:255:B:ALA:HB1	1:256:B:ASP:H	20	0.12
(1,1119)	1:255:B:ALA:HB2	1:256:B:ASP:H	20	0.12
(1,1119)	1:255:B:ALA:HB3	1:256:B:ASP:H	20	0.12
(1,1113)	1:254:B:ASP:HB3	1:255:B:ALA:H	2	0.12
(1,1113)	1:254:B:ASP:HB3	1:255:B:ALA:H	8	0.12
(1,1112)	1:254:B:ASP:HA	1:255:B:ALA:H	16	0.12
(1,1094)	1:251:B:ASN:HD22	1:252:B:ALA:H	3	0.12
(1,1076)	1:249:B:LYS:H	1:250:B:ARG:HB2	18	0.12
(1,1050)	1:244:B:GLY:H	1:245:B:ILE:HD11	2	0.12
(1,1050)	1:244:B:GLY:H	1:245:B:ILE:HD12	2	0.12
(1,1050)	1:244:B:GLY:H	1:245:B:ILE:HD13	2	0.12
(1,1050)	1:244:B:GLY:H	1:245:B:ILE:HD11	10	0.12
(1,1050)	1:244:B:GLY:H	1:245:B:ILE:HD12	10	0.12
(1,1050)	1:244:B:GLY:H	1:245:B:ILE:HD13	10	0.12
(1,1050)	1:244:B:GLY:H	1:245:B:ILE:HD11	11	0.12
(1,1050)	1:244:B:GLY:H	1:245:B:ILE:HD12	11	0.12
(1,1050)	1:244:B:GLY:H	1:245:B:ILE:HD13	11	0.12
(1,1030)	1:240:B:LYS:HG3	1:241:B:ALA:HA	1	0.12
(1,1030)	1:240:B:LYS:HG3	1:241:B:ALA:HA	19	0.12
(1,1030)	1:240:B:LYS:HG3	1:241:B:ALA:HA	20	0.12
(1,1025)	1:239:B:GLN:HB2	1:240:B:LYS:H	13	0.12
(1,1025)	1:239:B:GLN:HB2	1:240:B:LYS:H	19	0.12
(1,1023)	1:238:B:LYS:H	1:239:B:GLN:HB2	20	0.12
(1,1015)	1:237:B:SER:HB2	1:238:B:LYS:H	5	0.12
(1,1015)	1:237:B:SER:HB2	1:238:B:LYS:H	9	0.12
(1,1015)	1:237:B:SER:HB2	1:238:B:LYS:H	15	0.12
(1,1004)	1:233:B:GLU:HG2	1:234:B:GLY:H	10	0.12
(1,1004)	1:233:B:GLU:HG2	1:234:B:GLY:H	19	0.12
(1,998)	1:232:B:GLY:H	1:233:B:GLU:H	12	0.12
(1,964)	1:225:B:GLY:H	1:226:B:ASN:HD21	20	0.12
(1,962)	1:225:B:GLY:HA3	1:226:B:ASN:HD21	2	0.12
(1,962)	1:225:B:GLY:HA3	1:226:B:ASN:HD21	14	0.12
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD11	4	0.12
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD12	4	0.12
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD13	4	0.12
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD11	5	0.12
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD12	5	0.12
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD13	5	0.12
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD11	10	0.12
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD12	10	0.12
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD13	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD11	19	0.12
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD12	19	0.12
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD13	19	0.12
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD11	20	0.12
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD12	20	0.12
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD13	20	0.12
(1,928)	1:218:B:TRP:HB2	1:219:B:ARG:HD2	2	0.12
(1,928)	1:218:B:TRP:HB2	1:219:B:ARG:HD3	2	0.12
(1,928)	1:218:B:TRP:HB2	1:219:B:ARG:HD2	19	0.12
(1,928)	1:218:B:TRP:HB2	1:219:B:ARG:HD3	19	0.12
(1,917)	1:217:B:ARG:HG3	1:218:B:TRP:H	13	0.12
(1,909)	1:215:B:LYS:HG2	1:216:B:TYR:H	2	0.12
(1,907)	1:215:B:LYS:HB2	1:216:B:TYR:H	3	0.12
(1,907)	1:215:B:LYS:HB2	1:216:B:TYR:H	17	0.12
(1,874)	1:210:B:VAL:HB	1:211:B:ASP:HA	8	0.12
(1,870)	1:209:B:PHE:HE1	1:210:B:VAL:H	5	0.12
(1,870)	1:209:B:PHE:HE2	1:210:B:VAL:H	5	0.12
(1,848)	1:206:B:PHE:H	1:207:B:GLU:HG2	15	0.12
(1,846)	1:206:B:PHE:HD1	1:207:B:GLU:HB2	6	0.12
(1,846)	1:206:B:PHE:HD1	1:207:B:GLU:HB3	6	0.12
(1,846)	1:206:B:PHE:HD2	1:207:B:GLU:HB2	6	0.12
(1,846)	1:206:B:PHE:HD2	1:207:B:GLU:HB3	6	0.12
(1,846)	1:206:B:PHE:HD1	1:207:B:GLU:HB2	7	0.12
(1,846)	1:206:B:PHE:HD1	1:207:B:GLU:HB3	7	0.12
(1,846)	1:206:B:PHE:HD2	1:207:B:GLU:HB2	7	0.12
(1,846)	1:206:B:PHE:HD2	1:207:B:GLU:HB3	7	0.12
(1,846)	1:206:B:PHE:HD1	1:207:B:GLU:HB2	8	0.12
(1,846)	1:206:B:PHE:HD1	1:207:B:GLU:HB3	8	0.12
(1,846)	1:206:B:PHE:HD2	1:207:B:GLU:HB2	8	0.12
(1,846)	1:206:B:PHE:HD2	1:207:B:GLU:HB3	8	0.12
(1,846)	1:206:B:PHE:HD1	1:207:B:GLU:HB2	10	0.12
(1,846)	1:206:B:PHE:HD1	1:207:B:GLU:HB3	10	0.12
(1,846)	1:206:B:PHE:HD2	1:207:B:GLU:HB2	10	0.12
(1,846)	1:206:B:PHE:HD2	1:207:B:GLU:HB3	10	0.12
(1,846)	1:206:B:PHE:HD1	1:207:B:GLU:HB2	11	0.12
(1,846)	1:206:B:PHE:HD1	1:207:B:GLU:HB3	11	0.12
(1,846)	1:206:B:PHE:HD2	1:207:B:GLU:HB2	11	0.12
(1,846)	1:206:B:PHE:HD2	1:207:B:GLU:HB3	11	0.12
(1,846)	1:206:B:PHE:HD1	1:207:B:GLU:HB2	15	0.12
(1,846)	1:206:B:PHE:HD1	1:207:B:GLU:HB3	15	0.12
(1,846)	1:206:B:PHE:HD2	1:207:B:GLU:HB2	15	0.12
(1,846)	1:206:B:PHE:HD2	1:207:B:GLU:HB3	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,838)	1:205:B:HIS:HB3	1:206:B:PHE:H	12	0.12
(1,823)	1:202:B:ASN:HA	1:203:B:LYS:HG3	11	0.12
(1,823)	1:202:B:ASN:HA	1:203:B:LYS:HG3	14	0.12
(1,820)	1:159:A:GLU:HB2	1:160:A:ALA:H	2	0.12
(1,820)	1:159:A:GLU:HB2	1:160:A:ALA:H	6	0.12
(1,820)	1:159:A:GLU:HB2	1:160:A:ALA:H	19	0.12
(1,814)	1:158:A:ILE:HD11	1:159:A:GLU:H	7	0.12
(1,814)	1:158:A:ILE:HD12	1:159:A:GLU:H	7	0.12
(1,814)	1:158:A:ILE:HD13	1:159:A:GLU:H	7	0.12
(1,814)	1:158:A:ILE:HD11	1:159:A:GLU:H	15	0.12
(1,814)	1:158:A:ILE:HD12	1:159:A:GLU:H	15	0.12
(1,814)	1:158:A:ILE:HD13	1:159:A:GLU:H	15	0.12
(1,813)	1:158:A:ILE:HB	1:159:A:GLU:H	17	0.12
(1,803)	1:155:A:ALA:HB1	1:156:A:ASP:H	13	0.12
(1,803)	1:155:A:ALA:HB2	1:156:A:ASP:H	13	0.12
(1,803)	1:155:A:ALA:HB3	1:156:A:ASP:H	13	0.12
(1,803)	1:155:A:ALA:HB1	1:156:A:ASP:H	15	0.12
(1,803)	1:155:A:ALA:HB2	1:156:A:ASP:H	15	0.12
(1,803)	1:155:A:ALA:HB3	1:156:A:ASP:H	15	0.12
(1,796)	1:154:A:ASP:HA	1:155:A:ALA:H	1	0.12
(1,796)	1:154:A:ASP:HA	1:155:A:ALA:H	8	0.12
(1,796)	1:154:A:ASP:HA	1:155:A:ALA:H	10	0.12
(1,796)	1:154:A:ASP:HA	1:155:A:ALA:H	13	0.12
(1,778)	1:151:A:ASN:HD22	1:152:A:ALA:H	3	0.12
(1,778)	1:151:A:ASN:HD22	1:152:A:ALA:H	12	0.12
(1,778)	1:151:A:ASN:HD22	1:152:A:ALA:H	15	0.12
(1,778)	1:151:A:ASN:HD22	1:152:A:ALA:H	18	0.12
(1,734)	1:144:A:GLY:H	1:145:A:ILE:HD11	1	0.12
(1,734)	1:144:A:GLY:H	1:145:A:ILE:HD12	1	0.12
(1,734)	1:144:A:GLY:H	1:145:A:ILE:HD13	1	0.12
(1,709)	1:139:A:GLN:HB2	1:140:A:LYS:H	5	0.12
(1,709)	1:139:A:GLN:HB2	1:140:A:LYS:H	9	0.12
(1,699)	1:137:A:SER:HB2	1:138:A:LYS:H	8	0.12
(1,699)	1:137:A:SER:HB2	1:138:A:LYS:H	16	0.12
(1,699)	1:137:A:SER:HB2	1:138:A:LYS:H	19	0.12
(1,688)	1:133:A:GLU:HG2	1:134:A:GLY:H	18	0.12
(1,682)	1:132:A:GLY:H	1:133:A:GLU:H	5	0.12
(1,682)	1:132:A:GLY:H	1:133:A:GLU:H	9	0.12
(1,599)	1:117:A:ARG:HB2	1:118:A:TRP:H	14	0.12
(1,586)	1:114:A:ASP:H	1:115:A:LYS:HG3	14	0.12
(1,586)	1:114:A:ASP:H	1:115:A:LYS:HG3	16	0.12
(1,554)	1:109:A:PHE:HE1	1:110:A:VAL:H	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,554)	1:109:A:PHE:HE2	1:110:A:VAL:H	14	0.12
(1,554)	1:109:A:PHE:HE1	1:110:A:VAL:H	15	0.12
(1,554)	1:109:A:PHE:HE2	1:110:A:VAL:H	15	0.12
(1,532)	1:106:A:PHE:H	1:107:A:GLU:HG2	14	0.12
(1,530)	1:106:A:PHE:HD1	1:107:A:GLU:HB2	6	0.12
(1,530)	1:106:A:PHE:HD1	1:107:A:GLU:HB3	6	0.12
(1,530)	1:106:A:PHE:HD2	1:107:A:GLU:HB2	6	0.12
(1,530)	1:106:A:PHE:HD2	1:107:A:GLU:HB3	6	0.12
(1,530)	1:106:A:PHE:HD1	1:107:A:GLU:HB2	9	0.12
(1,530)	1:106:A:PHE:HD1	1:107:A:GLU:HB3	9	0.12
(1,530)	1:106:A:PHE:HD2	1:107:A:GLU:HB2	9	0.12
(1,530)	1:106:A:PHE:HD2	1:107:A:GLU:HB3	9	0.12
(1,522)	1:105:A:HIS:HB3	1:106:A:PHE:H	12	0.12
(1,472)	1:250:B:ARG:H	1:250:B:ARG:HD2	4	0.12
(1,472)	1:250:B:ARG:H	1:250:B:ARG:HD3	4	0.12
(1,472)	1:250:B:ARG:H	1:250:B:ARG:HD2	13	0.12
(1,472)	1:250:B:ARG:H	1:250:B:ARG:HD3	13	0.12
(1,472)	1:250:B:ARG:H	1:250:B:ARG:HD2	18	0.12
(1,472)	1:250:B:ARG:H	1:250:B:ARG:HD3	18	0.12
(1,465)	1:250:B:ARG:HA	1:250:B:ARG:HD2	8	0.12
(1,465)	1:250:B:ARG:HA	1:250:B:ARG:HD3	8	0.12
(1,452)	1:246:B:GLU:H	1:246:B:GLU:HG3	4	0.12
(1,396)	1:238:B:LYS:H	1:238:B:LYS:HE2	11	0.12
(1,396)	1:238:B:LYS:H	1:238:B:LYS:HE3	11	0.12
(1,391)	1:238:B:LYS:HA	1:238:B:LYS:HG3	13	0.12
(1,342)	1:224:B:ASN:HA	1:224:B:ASN:HD22	2	0.12
(1,317)	1:219:B:ARG:H	1:219:B:ARG:HD2	12	0.12
(1,317)	1:219:B:ARG:H	1:219:B:ARG:HD3	12	0.12
(1,304)	1:215:B:LYS:H	1:215:B:LYS:HD3	10	0.12
(1,304)	1:215:B:LYS:H	1:215:B:LYS:HD3	11	0.12
(1,304)	1:215:B:LYS:H	1:215:B:LYS:HD3	16	0.12
(1,256)	1:203:B:LYS:HB2	1:203:B:LYS:HE2	4	0.12
(1,256)	1:203:B:LYS:HB2	1:203:B:LYS:HE3	4	0.12
(1,256)	1:203:B:LYS:HB2	1:203:B:LYS:HE2	15	0.12
(1,256)	1:203:B:LYS:HB2	1:203:B:LYS:HE3	15	0.12
(1,215)	1:150:A:ARG:HA	1:150:A:ARG:HG2	15	0.12
(1,213)	1:150:A:ARG:HA	1:150:A:ARG:HD2	11	0.12
(1,213)	1:150:A:ARG:HA	1:150:A:ARG:HD3	11	0.12
(1,144)	1:138:A:LYS:H	1:138:A:LYS:HE2	6	0.12
(1,144)	1:138:A:LYS:H	1:138:A:LYS:HE3	6	0.12
(1,144)	1:138:A:LYS:H	1:138:A:LYS:HE2	7	0.12
(1,144)	1:138:A:LYS:H	1:138:A:LYS:HE3	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,144)	1:138:A:LYS:H	1:138:A:LYS:HE2	19	0.12
(1,144)	1:138:A:LYS:H	1:138:A:LYS:HE3	19	0.12
(1,52)	1:115:A:LYS:H	1:115:A:LYS:HD3	5	0.12
(1,52)	1:115:A:LYS:H	1:115:A:LYS:HD3	7	0.12
(1,52)	1:115:A:LYS:H	1:115:A:LYS:HD3	8	0.12
(1,52)	1:115:A:LYS:H	1:115:A:LYS:HD3	11	0.12
(1,7)	1:103:A:LYS:HG2	1:103:A:LYS:HE2	16	0.12
(1,7)	1:103:A:LYS:HG2	1:103:A:LYS:HE3	16	0.12
(1,4)	1:103:A:LYS:HB2	1:103:A:LYS:HE2	8	0.12
(1,4)	1:103:A:LYS:HB2	1:103:A:LYS:HE3	8	0.12
(1,4)	1:103:A:LYS:HB2	1:103:A:LYS:HE2	12	0.12
(1,4)	1:103:A:LYS:HB2	1:103:A:LYS:HE3	12	0.12
(2,84)	1:241:B:ALA:O	1:245:B:ILE:H	17	0.11
(2,76)	1:237:B:SER:O	1:241:B:ALA:H	12	0.11
(2,38)	1:141:A:ALA:O	1:145:A:ILE:H	2	0.11
(2,38)	1:141:A:ALA:O	1:145:A:ILE:H	20	0.11
(2,30)	1:137:A:SER:O	1:141:A:ALA:H	16	0.11
(1,2337)	1:160:A:ALA:H	1:207:B:GLU:HA	7	0.11
(1,2335)	1:160:A:ALA:HB1	1:209:B:PHE:HD1	15	0.11
(1,2335)	1:160:A:ALA:HB1	1:209:B:PHE:HD2	15	0.11
(1,2335)	1:160:A:ALA:HB2	1:209:B:PHE:HD1	15	0.11
(1,2335)	1:160:A:ALA:HB2	1:209:B:PHE:HD2	15	0.11
(1,2335)	1:160:A:ALA:HB3	1:209:B:PHE:HD1	15	0.11
(1,2335)	1:160:A:ALA:HB3	1:209:B:PHE:HD2	15	0.11
(1,2329)	1:158:A:ILE:H	1:245:B:ILE:HG21	5	0.11
(1,2329)	1:158:A:ILE:H	1:245:B:ILE:HG22	5	0.11
(1,2329)	1:158:A:ILE:H	1:245:B:ILE:HG23	5	0.11
(1,2329)	1:158:A:ILE:H	1:245:B:ILE:HG21	11	0.11
(1,2329)	1:158:A:ILE:H	1:245:B:ILE:HG22	11	0.11
(1,2329)	1:158:A:ILE:H	1:245:B:ILE:HG23	11	0.11
(1,2296)	1:157:A:VAL:HG11	1:206:B:PHE:HB3	1	0.11
(1,2296)	1:157:A:VAL:HG12	1:206:B:PHE:HB3	1	0.11
(1,2296)	1:157:A:VAL:HG13	1:206:B:PHE:HB3	1	0.11
(1,2296)	1:157:A:VAL:HG11	1:206:B:PHE:HB3	8	0.11
(1,2296)	1:157:A:VAL:HG12	1:206:B:PHE:HB3	8	0.11
(1,2296)	1:157:A:VAL:HG13	1:206:B:PHE:HB3	8	0.11
(1,2281)	1:156:A:ASP:HB2	1:205:B:HIS:HB3	3	0.11
(1,2281)	1:156:A:ASP:HB3	1:205:B:HIS:HB3	3	0.11
(1,2280)	1:156:A:ASP:HB2	1:205:B:HIS:HA	5	0.11
(1,2280)	1:156:A:ASP:HB3	1:205:B:HIS:HA	5	0.11
(1,2278)	1:156:A:ASP:HA	1:206:B:PHE:HB2	2	0.11
(1,2278)	1:156:A:ASP:HA	1:206:B:PHE:HB2	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2278)	1:156:A:ASP:HA	1:206:B:PHE:HB2	8	0.11
(1,2278)	1:156:A:ASP:HA	1:206:B:PHE:HB2	17	0.11
(1,2249)	1:153:A:PRO:HA	1:249:B:LYS:H	17	0.11
(1,2241)	1:152:A:ALA:HA	1:229:B:ALA:HB1	3	0.11
(1,2241)	1:152:A:ALA:HA	1:229:B:ALA:HB2	3	0.11
(1,2241)	1:152:A:ALA:HA	1:229:B:ALA:HB3	3	0.11
(1,2234)	1:151:A:ASN:HD22	1:201:B:MET:HE1	10	0.11
(1,2234)	1:151:A:ASN:HD22	1:201:B:MET:HE2	10	0.11
(1,2234)	1:151:A:ASN:HD22	1:201:B:MET:HE3	10	0.11
(1,2234)	1:151:A:ASN:HD22	1:201:B:MET:HE1	19	0.11
(1,2234)	1:151:A:ASN:HD22	1:201:B:MET:HE2	19	0.11
(1,2234)	1:151:A:ASN:HD22	1:201:B:MET:HE3	19	0.11
(1,2232)	1:151:A:ASN:HD21	1:204:B:ALA:HB1	18	0.11
(1,2232)	1:151:A:ASN:HD21	1:204:B:ALA:HB2	18	0.11
(1,2232)	1:151:A:ASN:HD21	1:204:B:ALA:HB3	18	0.11
(1,2202)	1:145:A:ILE:HG21	1:258:B:ILE:H	6	0.11
(1,2202)	1:145:A:ILE:HG22	1:258:B:ILE:H	6	0.11
(1,2202)	1:145:A:ILE:HG23	1:258:B:ILE:H	6	0.11
(1,2201)	1:145:A:ILE:HG21	1:257:B:VAL:H	2	0.11
(1,2201)	1:145:A:ILE:HG22	1:257:B:VAL:H	2	0.11
(1,2201)	1:145:A:ILE:HG23	1:257:B:VAL:H	2	0.11
(1,2192)	1:142:A:LYS:HB2	1:257:B:VAL:HG21	5	0.11
(1,2192)	1:142:A:LYS:HB2	1:257:B:VAL:HG22	5	0.11
(1,2192)	1:142:A:LYS:HB2	1:257:B:VAL:HG23	5	0.11
(1,2159)	1:129:A:ALA:HB1	1:252:B:ALA:HA	8	0.11
(1,2159)	1:129:A:ALA:HB2	1:252:B:ALA:HA	8	0.11
(1,2159)	1:129:A:ALA:HB3	1:252:B:ALA:HA	8	0.11
(1,2159)	1:129:A:ALA:HB1	1:252:B:ALA:HA	20	0.11
(1,2159)	1:129:A:ALA:HB2	1:252:B:ALA:HA	20	0.11
(1,2159)	1:129:A:ALA:HB3	1:252:B:ALA:HA	20	0.11
(1,2145)	1:128:A:LEU:HA	1:231:B:SER:HA	16	0.11
(1,2077)	1:106:A:PHE:HB2	1:257:B:VAL:HG11	6	0.11
(1,2077)	1:106:A:PHE:HB2	1:257:B:VAL:HG12	6	0.11
(1,2077)	1:106:A:PHE:HB2	1:257:B:VAL:HG13	6	0.11
(1,2076)	1:106:A:PHE:HB2	1:256:B:ASP:HA	6	0.11
(1,2076)	1:106:A:PHE:HB2	1:256:B:ASP:HA	9	0.11
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG11	8	0.11
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG12	8	0.11
(1,2075)	1:106:A:PHE:HB3	1:257:B:VAL:HG13	8	0.11
(1,2064)	1:105:A:HIS:HB3	1:256:B:ASP:HB2	12	0.11
(1,2064)	1:105:A:HIS:HB3	1:256:B:ASP:HB3	12	0.11
(1,2049)	1:104:A:ALA:HB1	1:251:B:ASN:HD21	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2049)	1:104:A:ALA:HB2	1:251:B:ASN:HD21	4	0.11
(1,2049)	1:104:A:ALA:HB3	1:251:B:ASN:HD21	4	0.11
(1,2035)	1:101:A:MET:HE1	1:251:B:ASN:HD22	6	0.11
(1,2035)	1:101:A:MET:HE2	1:251:B:ASN:HD22	6	0.11
(1,2035)	1:101:A:MET:HE3	1:251:B:ASN:HD22	6	0.11
(1,2035)	1:101:A:MET:HE1	1:251:B:ASN:HD22	13	0.11
(1,2035)	1:101:A:MET:HE2	1:251:B:ASN:HD22	13	0.11
(1,2035)	1:101:A:MET:HE3	1:251:B:ASN:HD22	13	0.11
(1,2024)	1:231:B:SER:HB2	1:244:B:GLY:H	2	0.11
(1,2024)	1:231:B:SER:HB3	1:244:B:GLY:H	2	0.11
(1,2024)	1:231:B:SER:HB2	1:244:B:GLY:H	9	0.11
(1,2024)	1:231:B:SER:HB3	1:244:B:GLY:H	9	0.11
(1,2022)	1:231:B:SER:HA	1:245:B:ILE:HA	1	0.11
(1,2022)	1:231:B:SER:HA	1:245:B:ILE:HA	5	0.11
(1,2020)	1:222:B:HIS:H	1:228:B:LEU:HD21	11	0.11
(1,2020)	1:222:B:HIS:H	1:228:B:LEU:HD22	11	0.11
(1,2020)	1:222:B:HIS:H	1:228:B:LEU:HD23	11	0.11
(1,2020)	1:222:B:HIS:H	1:228:B:LEU:HD21	20	0.11
(1,2020)	1:222:B:HIS:H	1:228:B:LEU:HD22	20	0.11
(1,2020)	1:222:B:HIS:H	1:228:B:LEU:HD23	20	0.11
(1,2011)	1:221:B:VAL:H	1:228:B:LEU:HD11	7	0.11
(1,2011)	1:221:B:VAL:H	1:228:B:LEU:HD12	7	0.11
(1,2011)	1:221:B:VAL:H	1:228:B:LEU:HD13	7	0.11
(1,2011)	1:221:B:VAL:H	1:228:B:LEU:HD11	11	0.11
(1,2011)	1:221:B:VAL:H	1:228:B:LEU:HD12	11	0.11
(1,2011)	1:221:B:VAL:H	1:228:B:LEU:HD13	11	0.11
(1,2011)	1:221:B:VAL:H	1:228:B:LEU:HD11	18	0.11
(1,2011)	1:221:B:VAL:H	1:228:B:LEU:HD12	18	0.11
(1,2011)	1:221:B:VAL:H	1:228:B:LEU:HD13	18	0.11
(1,2011)	1:221:B:VAL:H	1:228:B:LEU:HD11	20	0.11
(1,2011)	1:221:B:VAL:H	1:228:B:LEU:HD12	20	0.11
(1,2011)	1:221:B:VAL:H	1:228:B:LEU:HD13	20	0.11
(1,1979)	1:219:B:ARG:HD2	1:231:B:SER:H	9	0.11
(1,1979)	1:219:B:ARG:HD3	1:231:B:SER:H	9	0.11
(1,1963)	1:218:B:TRP:HE1	1:246:B:GLU:H	4	0.11
(1,1963)	1:218:B:TRP:HE1	1:246:B:GLU:H	9	0.11
(1,1963)	1:218:B:TRP:HE1	1:246:B:GLU:H	14	0.11
(1,1960)	1:218:B:TRP:HE1	1:245:B:ILE:HD11	8	0.11
(1,1960)	1:218:B:TRP:HE1	1:245:B:ILE:HD12	8	0.11
(1,1960)	1:218:B:TRP:HE1	1:245:B:ILE:HD13	8	0.11
(1,1960)	1:218:B:TRP:HE1	1:245:B:ILE:HD11	20	0.11
(1,1960)	1:218:B:TRP:HE1	1:245:B:ILE:HD12	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1960)	1:218:B:TRP:HE1	1:245:B:ILE:HD13	20	0.11
(1,1933)	1:217:B:ARG:HD2	1:235:B:TYR:H	14	0.11
(1,1933)	1:217:B:ARG:HD3	1:235:B:TYR:H	14	0.11
(1,1925)	1:216:B:TYR:HE1	1:238:B:LYS:H	9	0.11
(1,1925)	1:216:B:TYR:HE2	1:238:B:LYS:H	9	0.11
(1,1908)	1:216:B:TYR:HA	1:241:B:ALA:HB1	19	0.11
(1,1908)	1:216:B:TYR:HA	1:241:B:ALA:HB2	19	0.11
(1,1908)	1:216:B:TYR:HA	1:241:B:ALA:HB3	19	0.11
(1,1856)	1:208:B:VAL:HG11	1:218:B:TRP:H	13	0.11
(1,1856)	1:208:B:VAL:HG12	1:218:B:TRP:H	13	0.11
(1,1856)	1:208:B:VAL:HG13	1:218:B:TRP:H	13	0.11
(1,1851)	1:208:B:VAL:HB	1:218:B:TRP:HB2	13	0.11
(1,1851)	1:208:B:VAL:HB	1:218:B:TRP:HB2	18	0.11
(1,1851)	1:208:B:VAL:HB	1:218:B:TRP:HB2	20	0.11
(1,1832)	1:206:B:PHE:H	1:220:B:LEU:HD21	2	0.11
(1,1832)	1:206:B:PHE:H	1:220:B:LEU:HD22	2	0.11
(1,1832)	1:206:B:PHE:H	1:220:B:LEU:HD23	2	0.11
(1,1832)	1:206:B:PHE:H	1:220:B:LEU:HD21	3	0.11
(1,1832)	1:206:B:PHE:H	1:220:B:LEU:HD22	3	0.11
(1,1832)	1:206:B:PHE:H	1:220:B:LEU:HD23	3	0.11
(1,1832)	1:206:B:PHE:H	1:220:B:LEU:HD21	4	0.11
(1,1832)	1:206:B:PHE:H	1:220:B:LEU:HD22	4	0.11
(1,1832)	1:206:B:PHE:H	1:220:B:LEU:HD23	4	0.11
(1,1832)	1:206:B:PHE:H	1:220:B:LEU:HD21	6	0.11
(1,1832)	1:206:B:PHE:H	1:220:B:LEU:HD22	6	0.11
(1,1832)	1:206:B:PHE:H	1:220:B:LEU:HD23	6	0.11
(1,1832)	1:206:B:PHE:H	1:220:B:LEU:HD21	10	0.11
(1,1832)	1:206:B:PHE:H	1:220:B:LEU:HD22	10	0.11
(1,1832)	1:206:B:PHE:H	1:220:B:LEU:HD23	10	0.11
(1,1832)	1:206:B:PHE:H	1:220:B:LEU:HD21	15	0.11
(1,1832)	1:206:B:PHE:H	1:220:B:LEU:HD22	15	0.11
(1,1832)	1:206:B:PHE:H	1:220:B:LEU:HD23	15	0.11
(1,1819)	1:206:B:PHE:HD1	1:219:B:ARG:HA	3	0.11
(1,1819)	1:206:B:PHE:HD2	1:219:B:ARG:HA	3	0.11
(1,1819)	1:206:B:PHE:HD1	1:219:B:ARG:HA	4	0.11
(1,1819)	1:206:B:PHE:HD2	1:219:B:ARG:HA	4	0.11
(1,1804)	1:205:B:HIS:H	1:220:B:LEU:HD21	12	0.11
(1,1804)	1:205:B:HIS:H	1:220:B:LEU:HD22	12	0.11
(1,1804)	1:205:B:HIS:H	1:220:B:LEU:HD23	12	0.11
(1,1804)	1:205:B:HIS:H	1:220:B:LEU:HD21	16	0.11
(1,1804)	1:205:B:HIS:H	1:220:B:LEU:HD22	16	0.11
(1,1804)	1:205:B:HIS:H	1:220:B:LEU:HD23	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1778)	1:122:A:HIS:H	1:128:A:LEU:HD21	10	0.11
(1,1778)	1:122:A:HIS:H	1:128:A:LEU:HD22	10	0.11
(1,1778)	1:122:A:HIS:H	1:128:A:LEU:HD23	10	0.11
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD11	1	0.11
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD12	1	0.11
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD13	1	0.11
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD11	2	0.11
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD12	2	0.11
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD13	2	0.11
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD11	7	0.11
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD12	7	0.11
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD13	7	0.11
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD11	8	0.11
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD12	8	0.11
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD13	8	0.11
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD11	11	0.11
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD12	11	0.11
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD13	11	0.11
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD11	19	0.11
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD12	19	0.11
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD13	19	0.11
(1,1737)	1:119:A:ARG:HD2	1:131:A:SER:H	2	0.11
(1,1737)	1:119:A:ARG:HD3	1:131:A:SER:H	2	0.11
(1,1737)	1:119:A:ARG:HD2	1:131:A:SER:H	3	0.11
(1,1737)	1:119:A:ARG:HD3	1:131:A:SER:H	3	0.11
(1,1737)	1:119:A:ARG:HD2	1:131:A:SER:H	8	0.11
(1,1737)	1:119:A:ARG:HD3	1:131:A:SER:H	8	0.11
(1,1721)	1:118:A:TRP:HE1	1:146:A:GLU:H	8	0.11
(1,1721)	1:118:A:TRP:HE1	1:146:A:GLU:H	9	0.11
(1,1718)	1:118:A:TRP:HE1	1:145:A:ILE:HD11	4	0.11
(1,1718)	1:118:A:TRP:HE1	1:145:A:ILE:HD12	4	0.11
(1,1718)	1:118:A:TRP:HE1	1:145:A:ILE:HD13	4	0.11
(1,1718)	1:118:A:TRP:HE1	1:145:A:ILE:HD11	14	0.11
(1,1718)	1:118:A:TRP:HE1	1:145:A:ILE:HD12	14	0.11
(1,1718)	1:118:A:TRP:HE1	1:145:A:ILE:HD13	14	0.11
(1,1718)	1:118:A:TRP:HE1	1:145:A:ILE:HD11	15	0.11
(1,1718)	1:118:A:TRP:HE1	1:145:A:ILE:HD12	15	0.11
(1,1718)	1:118:A:TRP:HE1	1:145:A:ILE:HD13	15	0.11
(1,1711)	1:118:A:TRP:HE1	1:131:A:SER:HA	2	0.11
(1,1691)	1:117:A:ARG:HD2	1:135:A:TYR:H	8	0.11
(1,1691)	1:117:A:ARG:HD3	1:135:A:TYR:H	8	0.11
(1,1681)	1:116:A:TYR:HE1	1:138:A:LYS:HD2	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1681)	1:116:A:TYR:HE1	1:138:A:LYS:HD3	15	0.11
(1,1681)	1:116:A:TYR:HE2	1:138:A:LYS:HD2	15	0.11
(1,1681)	1:116:A:TYR:HE2	1:138:A:LYS:HD3	15	0.11
(1,1677)	1:116:A:TYR:HE1	1:137:A:SER:HB3	12	0.11
(1,1677)	1:116:A:TYR:HE2	1:137:A:SER:HB3	12	0.11
(1,1677)	1:116:A:TYR:HE1	1:137:A:SER:HB3	18	0.11
(1,1677)	1:116:A:TYR:HE2	1:137:A:SER:HB3	18	0.11
(1,1609)	1:108:A:VAL:HB	1:118:A:TRP:HB2	1	0.11
(1,1609)	1:108:A:VAL:HB	1:118:A:TRP:HB2	14	0.11
(1,1590)	1:106:A:PHE:H	1:120:A:LEU:HD21	10	0.11
(1,1590)	1:106:A:PHE:H	1:120:A:LEU:HD22	10	0.11
(1,1590)	1:106:A:PHE:H	1:120:A:LEU:HD23	10	0.11
(1,1590)	1:106:A:PHE:H	1:120:A:LEU:HD21	11	0.11
(1,1590)	1:106:A:PHE:H	1:120:A:LEU:HD22	11	0.11
(1,1590)	1:106:A:PHE:H	1:120:A:LEU:HD23	11	0.11
(1,1577)	1:106:A:PHE:HD1	1:119:A:ARG:HA	14	0.11
(1,1577)	1:106:A:PHE:HD2	1:119:A:ARG:HA	14	0.11
(1,1577)	1:106:A:PHE:HD1	1:119:A:ARG:HA	17	0.11
(1,1577)	1:106:A:PHE:HD2	1:119:A:ARG:HA	17	0.11
(1,1547)	1:258:B:ILE:HB	1:260:B:ALA:HA	3	0.11
(1,1543)	1:252:B:ALA:H	1:254:B:ASP:H	4	0.11
(1,1511)	1:246:B:GLU:HA	1:249:B:LYS:H	10	0.11
(1,1508)	1:246:B:GLU:HA	1:248:B:VAL:H	1	0.11
(1,1508)	1:246:B:GLU:HA	1:248:B:VAL:H	5	0.11
(1,1508)	1:246:B:GLU:HA	1:248:B:VAL:H	17	0.11
(1,1508)	1:246:B:GLU:HA	1:248:B:VAL:H	20	0.11
(1,1505)	1:245:B:ILE:HG21	1:249:B:LYS:HG2	9	0.11
(1,1505)	1:245:B:ILE:HG21	1:249:B:LYS:HG3	9	0.11
(1,1505)	1:245:B:ILE:HG22	1:249:B:LYS:HG2	9	0.11
(1,1505)	1:245:B:ILE:HG22	1:249:B:LYS:HG3	9	0.11
(1,1505)	1:245:B:ILE:HG23	1:249:B:LYS:HG2	9	0.11
(1,1505)	1:245:B:ILE:HG23	1:249:B:LYS:HG3	9	0.11
(1,1455)	1:239:B:GLN:HB2	1:243:B:GLN:HE21	1	0.11
(1,1455)	1:239:B:GLN:HB2	1:243:B:GLN:HE21	2	0.11
(1,1455)	1:239:B:GLN:HB2	1:243:B:GLN:HE21	14	0.11
(1,1439)	1:237:B:SER:HB2	1:239:B:GLN:H	5	0.11
(1,1439)	1:237:B:SER:HB2	1:239:B:GLN:H	6	0.11
(1,1439)	1:237:B:SER:HB2	1:239:B:GLN:H	15	0.11
(1,1433)	1:233:B:GLU:HG2	1:235:B:TYR:HE1	9	0.11
(1,1433)	1:233:B:GLU:HG2	1:235:B:TYR:HE2	9	0.11
(1,1381)	1:213:B:ALA:H	1:215:B:LYS:HE2	4	0.11
(1,1381)	1:213:B:ALA:H	1:215:B:LYS:HE3	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1377)	1:213:B:ALA:HA	1:215:B:LYS:HG3	10	0.11
(1,1377)	1:213:B:ALA:HA	1:215:B:LYS:HG3	11	0.11
(1,1377)	1:213:B:ALA:HA	1:215:B:LYS:HG3	18	0.11
(1,1364)	1:211:B:ASP:HB3	1:215:B:LYS:HB3	13	0.11
(1,1352)	1:210:B:VAL:HG11	1:214:B:ASP:HB2	2	0.11
(1,1352)	1:210:B:VAL:HG12	1:214:B:ASP:HB2	2	0.11
(1,1352)	1:210:B:VAL:HG13	1:214:B:ASP:HB2	2	0.11
(1,1341)	1:158:A:ILE:HB	1:160:A:ALA:HA	7	0.11
(1,1337)	1:152:A:ALA:H	1:154:A:ASP:H	1	0.11
(1,1337)	1:152:A:ALA:H	1:154:A:ASP:H	17	0.11
(1,1309)	1:147:A:SER:HB3	1:149:A:LYS:H	3	0.11
(1,1302)	1:146:A:GLU:HA	1:148:A:VAL:H	1	0.11
(1,1302)	1:146:A:GLU:HA	1:148:A:VAL:H	15	0.11
(1,1302)	1:146:A:GLU:HA	1:148:A:VAL:H	17	0.11
(1,1302)	1:146:A:GLU:HA	1:148:A:VAL:H	18	0.11
(1,1302)	1:146:A:GLU:HA	1:148:A:VAL:H	20	0.11
(1,1299)	1:145:A:ILE:HG21	1:149:A:LYS:HG2	8	0.11
(1,1299)	1:145:A:ILE:HG21	1:149:A:LYS:HG3	8	0.11
(1,1299)	1:145:A:ILE:HG22	1:149:A:LYS:HG2	8	0.11
(1,1299)	1:145:A:ILE:HG22	1:149:A:LYS:HG3	8	0.11
(1,1299)	1:145:A:ILE:HG23	1:149:A:LYS:HG2	8	0.11
(1,1299)	1:145:A:ILE:HG23	1:149:A:LYS:HG3	8	0.11
(1,1233)	1:137:A:SER:HB2	1:139:A:GLN:H	12	0.11
(1,1233)	1:137:A:SER:HB2	1:139:A:GLN:H	16	0.11
(1,1221)	1:131:A:SER:HB2	1:133:A:GLU:HB3	6	0.11
(1,1221)	1:131:A:SER:HB3	1:133:A:GLU:HB3	6	0.11
(1,1190)	1:122:A:HIS:HB2	1:126:A:ASN:H	12	0.11
(1,1171)	1:113:A:ALA:HA	1:115:A:LYS:HG3	14	0.11
(1,1171)	1:113:A:ALA:HA	1:115:A:LYS:HG3	15	0.11
(1,1130)	1:258:B:ILE:HD11	1:259:B:GLU:H	18	0.11
(1,1130)	1:258:B:ILE:HD12	1:259:B:GLU:H	18	0.11
(1,1130)	1:258:B:ILE:HD13	1:259:B:GLU:H	18	0.11
(1,1130)	1:258:B:ILE:HD11	1:259:B:GLU:H	20	0.11
(1,1130)	1:258:B:ILE:HD12	1:259:B:GLU:H	20	0.11
(1,1130)	1:258:B:ILE:HD13	1:259:B:GLU:H	20	0.11
(1,1129)	1:258:B:ILE:HB	1:259:B:GLU:H	12	0.11
(1,1129)	1:258:B:ILE:HB	1:259:B:GLU:H	13	0.11
(1,1129)	1:258:B:ILE:HB	1:259:B:GLU:H	17	0.11
(1,1124)	1:256:B:ASP:HB2	1:257:B:VAL:H	2	0.11
(1,1124)	1:256:B:ASP:HB3	1:257:B:VAL:H	2	0.11
(1,1119)	1:255:B:ALA:HB1	1:256:B:ASP:H	2	0.11
(1,1119)	1:255:B:ALA:HB2	1:256:B:ASP:H	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1119)	1:255:B:ALA:HB3	1:256:B:ASP:H	2	0.11
(1,1119)	1:255:B:ALA:HB1	1:256:B:ASP:H	13	0.11
(1,1119)	1:255:B:ALA:HB2	1:256:B:ASP:H	13	0.11
(1,1119)	1:255:B:ALA:HB3	1:256:B:ASP:H	13	0.11
(1,1117)	1:255:B:ALA:HA	1:256:B:ASP:HB2	7	0.11
(1,1117)	1:255:B:ALA:HA	1:256:B:ASP:HB3	7	0.11
(1,1117)	1:255:B:ALA:HA	1:256:B:ASP:HB2	8	0.11
(1,1117)	1:255:B:ALA:HA	1:256:B:ASP:HB3	8	0.11
(1,1117)	1:255:B:ALA:HA	1:256:B:ASP:HB2	9	0.11
(1,1117)	1:255:B:ALA:HA	1:256:B:ASP:HB3	9	0.11
(1,1117)	1:255:B:ALA:HA	1:256:B:ASP:HB2	11	0.11
(1,1117)	1:255:B:ALA:HA	1:256:B:ASP:HB3	11	0.11
(1,1117)	1:255:B:ALA:HA	1:256:B:ASP:HB2	20	0.11
(1,1117)	1:255:B:ALA:HA	1:256:B:ASP:HB3	20	0.11
(1,1112)	1:254:B:ASP:HA	1:255:B:ALA:H	1	0.11
(1,1112)	1:254:B:ASP:HA	1:255:B:ALA:H	13	0.11
(1,1094)	1:251:B:ASN:HD22	1:252:B:ALA:H	7	0.11
(1,1076)	1:249:B:LYS:H	1:250:B:ARG:HB2	4	0.11
(1,1056)	1:245:B:ILE:HG21	1:246:B:GLU:HG3	19	0.11
(1,1056)	1:245:B:ILE:HG22	1:246:B:GLU:HG3	19	0.11
(1,1056)	1:245:B:ILE:HG23	1:246:B:GLU:HG3	19	0.11
(1,1050)	1:244:B:GLY:H	1:245:B:ILE:HD11	3	0.11
(1,1050)	1:244:B:GLY:H	1:245:B:ILE:HD12	3	0.11
(1,1050)	1:244:B:GLY:H	1:245:B:ILE:HD13	3	0.11
(1,1050)	1:244:B:GLY:H	1:245:B:ILE:HD11	9	0.11
(1,1050)	1:244:B:GLY:H	1:245:B:ILE:HD12	9	0.11
(1,1050)	1:244:B:GLY:H	1:245:B:ILE:HD13	9	0.11
(1,1050)	1:244:B:GLY:H	1:245:B:ILE:HD11	18	0.11
(1,1050)	1:244:B:GLY:H	1:245:B:ILE:HD12	18	0.11
(1,1050)	1:244:B:GLY:H	1:245:B:ILE:HD13	18	0.11
(1,1050)	1:244:B:GLY:H	1:245:B:ILE:HD11	20	0.11
(1,1050)	1:244:B:GLY:H	1:245:B:ILE:HD12	20	0.11
(1,1050)	1:244:B:GLY:H	1:245:B:ILE:HD13	20	0.11
(1,1045)	1:242:B:LYS:HE2	1:243:B:GLN:HE21	3	0.11
(1,1030)	1:240:B:LYS:HG3	1:241:B:ALA:HA	3	0.11
(1,1025)	1:239:B:GLN:HB2	1:240:B:LYS:H	6	0.11
(1,1025)	1:239:B:GLN:HB2	1:240:B:LYS:H	12	0.11
(1,1023)	1:238:B:LYS:H	1:239:B:GLN:HB2	7	0.11
(1,1015)	1:237:B:SER:HB2	1:238:B:LYS:H	1	0.11
(1,1015)	1:237:B:SER:HB2	1:238:B:LYS:H	7	0.11
(1,1015)	1:237:B:SER:HB2	1:238:B:LYS:H	17	0.11
(1,1014)	1:237:B:SER:HB2	1:238:B:LYS:HA	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,998)	1:232:B:GLY:H	1:233:B:GLU:H	7	0.11
(1,998)	1:232:B:GLY:H	1:233:B:GLU:H	10	0.11
(1,998)	1:232:B:GLY:H	1:233:B:GLU:H	11	0.11
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD11	2	0.11
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD12	2	0.11
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD13	2	0.11
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD11	6	0.11
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD12	6	0.11
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD13	6	0.11
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD11	7	0.11
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD12	7	0.11
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD13	7	0.11
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD11	14	0.11
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD12	14	0.11
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD13	14	0.11
(1,928)	1:218:B:TRP:HB2	1:219:B:ARG:HD2	1	0.11
(1,928)	1:218:B:TRP:HB2	1:219:B:ARG:HD3	1	0.11
(1,917)	1:217:B:ARG:HG3	1:218:B:TRP:H	9	0.11
(1,915)	1:217:B:ARG:HB2	1:218:B:TRP:H	14	0.11
(1,909)	1:215:B:LYS:HG2	1:216:B:TYR:H	3	0.11
(1,909)	1:215:B:LYS:HG2	1:216:B:TYR:H	4	0.11
(1,909)	1:215:B:LYS:HG2	1:216:B:TYR:H	9	0.11
(1,909)	1:215:B:LYS:HG2	1:216:B:TYR:H	12	0.11
(1,907)	1:215:B:LYS:HB2	1:216:B:TYR:H	4	0.11
(1,907)	1:215:B:LYS:HB2	1:216:B:TYR:H	12	0.11
(1,898)	1:214:B:ASP:HA	1:215:B:LYS:HE2	6	0.11
(1,898)	1:214:B:ASP:HA	1:215:B:LYS:HE3	6	0.11
(1,870)	1:209:B:PHE:HE1	1:210:B:VAL:H	20	0.11
(1,870)	1:209:B:PHE:HE2	1:210:B:VAL:H	20	0.11
(1,846)	1:206:B:PHE:HD1	1:207:B:GLU:HB2	2	0.11
(1,846)	1:206:B:PHE:HD1	1:207:B:GLU:HB3	2	0.11
(1,846)	1:206:B:PHE:HD2	1:207:B:GLU:HB2	2	0.11
(1,846)	1:206:B:PHE:HD2	1:207:B:GLU:HB3	2	0.11
(1,846)	1:206:B:PHE:HD1	1:207:B:GLU:HB2	14	0.11
(1,846)	1:206:B:PHE:HD1	1:207:B:GLU:HB3	14	0.11
(1,846)	1:206:B:PHE:HD2	1:207:B:GLU:HB2	14	0.11
(1,846)	1:206:B:PHE:HD2	1:207:B:GLU:HB3	14	0.11
(1,846)	1:206:B:PHE:HD1	1:207:B:GLU:HB2	18	0.11
(1,846)	1:206:B:PHE:HD1	1:207:B:GLU:HB3	18	0.11
(1,846)	1:206:B:PHE:HD2	1:207:B:GLU:HB2	18	0.11
(1,846)	1:206:B:PHE:HD2	1:207:B:GLU:HB3	18	0.11
(1,814)	1:158:A:ILE:HD11	1:159:A:GLU:H	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,814)	1:158:A:ILE:HD12	1:159:A:GLU:H	3	0.11
(1,814)	1:158:A:ILE:HD13	1:159:A:GLU:H	3	0.11
(1,813)	1:158:A:ILE:HB	1:159:A:GLU:H	1	0.11
(1,813)	1:158:A:ILE:HB	1:159:A:GLU:H	6	0.11
(1,803)	1:155:A:ALA:HB1	1:156:A:ASP:H	5	0.11
(1,803)	1:155:A:ALA:HB2	1:156:A:ASP:H	5	0.11
(1,803)	1:155:A:ALA:HB3	1:156:A:ASP:H	5	0.11
(1,803)	1:155:A:ALA:HB1	1:156:A:ASP:H	6	0.11
(1,803)	1:155:A:ALA:HB2	1:156:A:ASP:H	6	0.11
(1,803)	1:155:A:ALA:HB3	1:156:A:ASP:H	6	0.11
(1,803)	1:155:A:ALA:HB1	1:156:A:ASP:H	7	0.11
(1,803)	1:155:A:ALA:HB2	1:156:A:ASP:H	7	0.11
(1,803)	1:155:A:ALA:HB3	1:156:A:ASP:H	7	0.11
(1,801)	1:155:A:ALA:HA	1:156:A:ASP:HB2	12	0.11
(1,801)	1:155:A:ALA:HA	1:156:A:ASP:HB3	12	0.11
(1,801)	1:155:A:ALA:HA	1:156:A:ASP:HB2	15	0.11
(1,801)	1:155:A:ALA:HA	1:156:A:ASP:HB3	15	0.11
(1,801)	1:155:A:ALA:HA	1:156:A:ASP:HB2	20	0.11
(1,801)	1:155:A:ALA:HA	1:156:A:ASP:HB3	20	0.11
(1,797)	1:154:A:ASP:HB3	1:155:A:ALA:H	11	0.11
(1,796)	1:154:A:ASP:HA	1:155:A:ALA:H	12	0.11
(1,778)	1:151:A:ASN:HD22	1:152:A:ALA:H	11	0.11
(1,734)	1:144:A:GLY:H	1:145:A:ILE:HD11	12	0.11
(1,734)	1:144:A:GLY:H	1:145:A:ILE:HD12	12	0.11
(1,734)	1:144:A:GLY:H	1:145:A:ILE:HD13	12	0.11
(1,734)	1:144:A:GLY:H	1:145:A:ILE:HD11	13	0.11
(1,734)	1:144:A:GLY:H	1:145:A:ILE:HD12	13	0.11
(1,734)	1:144:A:GLY:H	1:145:A:ILE:HD13	13	0.11
(1,709)	1:139:A:GLN:HB2	1:140:A:LYS:H	15	0.11
(1,707)	1:138:A:LYS:H	1:139:A:GLN:HB2	11	0.11
(1,707)	1:138:A:LYS:H	1:139:A:GLN:HB2	20	0.11
(1,699)	1:137:A:SER:HB2	1:138:A:LYS:H	6	0.11
(1,699)	1:137:A:SER:HB2	1:138:A:LYS:H	18	0.11
(1,698)	1:137:A:SER:HB2	1:138:A:LYS:HA	11	0.11
(1,688)	1:133:A:GLU:HG2	1:134:A:GLY:H	10	0.11
(1,682)	1:132:A:GLY:H	1:133:A:GLU:H	3	0.11
(1,672)	1:129:A:ALA:H	1:130:A:ASP:HB2	10	0.11
(1,672)	1:129:A:ALA:H	1:130:A:ASP:HB2	17	0.11
(1,648)	1:125:A:GLY:H	1:126:A:ASN:HD21	6	0.11
(1,646)	1:125:A:GLY:HA3	1:126:A:ASN:HD21	5	0.11
(1,621)	1:119:A:ARG:H	1:120:A:LEU:HD11	11	0.11
(1,621)	1:119:A:ARG:H	1:120:A:LEU:HD12	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,621)	1:119:A:ARG:H	1:120:A:LEU:HD13	11	0.11
(1,554)	1:109:A:PHE:HE1	1:110:A:VAL:H	1	0.11
(1,554)	1:109:A:PHE:HE2	1:110:A:VAL:H	1	0.11
(1,554)	1:109:A:PHE:HE1	1:110:A:VAL:H	9	0.11
(1,554)	1:109:A:PHE:HE2	1:110:A:VAL:H	9	0.11
(1,554)	1:109:A:PHE:HE1	1:110:A:VAL:H	12	0.11
(1,554)	1:109:A:PHE:HE2	1:110:A:VAL:H	12	0.11
(1,554)	1:109:A:PHE:HE1	1:110:A:VAL:H	13	0.11
(1,554)	1:109:A:PHE:HE2	1:110:A:VAL:H	13	0.11
(1,554)	1:109:A:PHE:HE1	1:110:A:VAL:H	18	0.11
(1,554)	1:109:A:PHE:HE2	1:110:A:VAL:H	18	0.11
(1,530)	1:106:A:PHE:HD1	1:107:A:GLU:HB2	1	0.11
(1,530)	1:106:A:PHE:HD1	1:107:A:GLU:HB3	1	0.11
(1,530)	1:106:A:PHE:HD2	1:107:A:GLU:HB2	1	0.11
(1,530)	1:106:A:PHE:HD2	1:107:A:GLU:HB3	1	0.11
(1,530)	1:106:A:PHE:HD1	1:107:A:GLU:HB2	2	0.11
(1,530)	1:106:A:PHE:HD1	1:107:A:GLU:HB3	2	0.11
(1,530)	1:106:A:PHE:HD2	1:107:A:GLU:HB2	2	0.11
(1,530)	1:106:A:PHE:HD2	1:107:A:GLU:HB3	2	0.11
(1,530)	1:106:A:PHE:HD1	1:107:A:GLU:HB2	13	0.11
(1,530)	1:106:A:PHE:HD1	1:107:A:GLU:HB3	13	0.11
(1,530)	1:106:A:PHE:HD2	1:107:A:GLU:HB2	13	0.11
(1,530)	1:106:A:PHE:HD2	1:107:A:GLU:HB3	13	0.11
(1,530)	1:106:A:PHE:HD1	1:107:A:GLU:HB2	15	0.11
(1,530)	1:106:A:PHE:HD1	1:107:A:GLU:HB3	15	0.11
(1,530)	1:106:A:PHE:HD2	1:107:A:GLU:HB2	15	0.11
(1,530)	1:106:A:PHE:HD2	1:107:A:GLU:HB3	15	0.11
(1,507)	1:102:A:ASN:HA	1:103:A:LYS:HG3	10	0.11
(1,472)	1:250:B:ARG:H	1:250:B:ARG:HD2	2	0.11
(1,472)	1:250:B:ARG:H	1:250:B:ARG:HD3	2	0.11
(1,465)	1:250:B:ARG:HA	1:250:B:ARG:HD2	6	0.11
(1,465)	1:250:B:ARG:HA	1:250:B:ARG:HD3	6	0.11
(1,465)	1:250:B:ARG:HA	1:250:B:ARG:HD2	9	0.11
(1,465)	1:250:B:ARG:HA	1:250:B:ARG:HD3	9	0.11
(1,465)	1:250:B:ARG:HA	1:250:B:ARG:HD2	17	0.11
(1,465)	1:250:B:ARG:HA	1:250:B:ARG:HD3	17	0.11
(1,465)	1:250:B:ARG:HA	1:250:B:ARG:HD2	18	0.11
(1,465)	1:250:B:ARG:HA	1:250:B:ARG:HD3	18	0.11
(1,465)	1:250:B:ARG:HA	1:250:B:ARG:HD2	19	0.11
(1,465)	1:250:B:ARG:HA	1:250:B:ARG:HD3	19	0.11
(1,465)	1:250:B:ARG:HA	1:250:B:ARG:HD2	20	0.11
(1,465)	1:250:B:ARG:HA	1:250:B:ARG:HD3	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,452)	1:246:B:GLU:H	1:246:B:GLU:HG3	9	0.11
(1,452)	1:246:B:GLU:H	1:246:B:GLU:HG3	14	0.11
(1,396)	1:238:B:LYS:H	1:238:B:LYS:HE2	2	0.11
(1,396)	1:238:B:LYS:H	1:238:B:LYS:HE3	2	0.11
(1,396)	1:238:B:LYS:H	1:238:B:LYS:HE2	14	0.11
(1,396)	1:238:B:LYS:H	1:238:B:LYS:HE3	14	0.11
(1,396)	1:238:B:LYS:H	1:238:B:LYS:HE2	19	0.11
(1,396)	1:238:B:LYS:H	1:238:B:LYS:HE3	19	0.11
(1,396)	1:238:B:LYS:H	1:238:B:LYS:HE2	20	0.11
(1,396)	1:238:B:LYS:H	1:238:B:LYS:HE3	20	0.11
(1,336)	1:222:B:HIS:H	1:222:B:HIS:HD2	1	0.11
(1,306)	1:215:B:LYS:H	1:215:B:LYS:HG3	1	0.11
(1,306)	1:215:B:LYS:H	1:215:B:LYS:HG3	15	0.11
(1,306)	1:215:B:LYS:H	1:215:B:LYS:HG3	18	0.11
(1,304)	1:215:B:LYS:H	1:215:B:LYS:HD3	13	0.11
(1,259)	1:203:B:LYS:HG2	1:203:B:LYS:HE2	16	0.11
(1,259)	1:203:B:LYS:HG2	1:203:B:LYS:HE3	16	0.11
(1,256)	1:203:B:LYS:HB2	1:203:B:LYS:HE2	1	0.11
(1,256)	1:203:B:LYS:HB2	1:203:B:LYS:HE3	1	0.11
(1,256)	1:203:B:LYS:HB2	1:203:B:LYS:HE2	12	0.11
(1,256)	1:203:B:LYS:HB2	1:203:B:LYS:HE3	12	0.11
(1,213)	1:150:A:ARG:HA	1:150:A:ARG:HD2	3	0.11
(1,213)	1:150:A:ARG:HA	1:150:A:ARG:HD3	3	0.11
(1,213)	1:150:A:ARG:HA	1:150:A:ARG:HD2	17	0.11
(1,213)	1:150:A:ARG:HA	1:150:A:ARG:HD3	17	0.11
(1,200)	1:146:A:GLU:H	1:146:A:GLU:HG3	1	0.11
(1,200)	1:146:A:GLU:H	1:146:A:GLU:HG3	5	0.11
(1,200)	1:146:A:GLU:H	1:146:A:GLU:HG3	9	0.11
(1,144)	1:138:A:LYS:H	1:138:A:LYS:HE2	13	0.11
(1,144)	1:138:A:LYS:H	1:138:A:LYS:HE3	13	0.11
(1,139)	1:138:A:LYS:HA	1:138:A:LYS:HG3	1	0.11
(1,7)	1:103:A:LYS:HG2	1:103:A:LYS:HE2	2	0.11
(1,7)	1:103:A:LYS:HG2	1:103:A:LYS:HE3	2	0.11
(1,4)	1:103:A:LYS:HB2	1:103:A:LYS:HE2	14	0.11
(1,4)	1:103:A:LYS:HB2	1:103:A:LYS:HE3	14	0.11
(2,84)	1:241:B:ALA:O	1:245:B:ILE:H	2	0.1
(2,84)	1:241:B:ALA:O	1:245:B:ILE:H	9	0.1
(2,84)	1:241:B:ALA:O	1:245:B:ILE:H	18	0.1
(2,76)	1:237:B:SER:O	1:241:B:ALA:H	7	0.1
(2,76)	1:237:B:SER:O	1:241:B:ALA:H	14	0.1
(2,76)	1:237:B:SER:O	1:241:B:ALA:H	16	0.1
(2,76)	1:237:B:SER:O	1:241:B:ALA:H	19	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,75)	1:237:B:SER:O	1:241:B:ALA:N	5	0.1
(2,38)	1:141:A:ALA:O	1:145:A:ILE:H	4	0.1
(2,38)	1:141:A:ALA:O	1:145:A:ILE:H	12	0.1
(1,2329)	1:158:A:ILE:H	1:245:B:ILE:HG21	2	0.1
(1,2329)	1:158:A:ILE:H	1:245:B:ILE:HG22	2	0.1
(1,2329)	1:158:A:ILE:H	1:245:B:ILE:HG23	2	0.1
(1,2329)	1:158:A:ILE:H	1:245:B:ILE:HG21	7	0.1
(1,2329)	1:158:A:ILE:H	1:245:B:ILE:HG22	7	0.1
(1,2329)	1:158:A:ILE:H	1:245:B:ILE:HG23	7	0.1
(1,2329)	1:158:A:ILE:H	1:245:B:ILE:HG21	19	0.1
(1,2329)	1:158:A:ILE:H	1:245:B:ILE:HG22	19	0.1
(1,2329)	1:158:A:ILE:H	1:245:B:ILE:HG23	19	0.1
(1,2316)	1:158:A:ILE:HD11	1:207:B:GLU:HG3	17	0.1
(1,2316)	1:158:A:ILE:HD12	1:207:B:GLU:HG3	17	0.1
(1,2316)	1:158:A:ILE:HD13	1:207:B:GLU:HG3	17	0.1
(1,2296)	1:157:A:VAL:HG11	1:206:B:PHE:HB3	3	0.1
(1,2296)	1:157:A:VAL:HG12	1:206:B:PHE:HB3	3	0.1
(1,2296)	1:157:A:VAL:HG13	1:206:B:PHE:HB3	3	0.1
(1,2267)	1:155:A:ALA:HB1	1:205:B:HIS:H	16	0.1
(1,2267)	1:155:A:ALA:HB2	1:205:B:HIS:H	16	0.1
(1,2267)	1:155:A:ALA:HB3	1:205:B:HIS:H	16	0.1
(1,2202)	1:145:A:ILE:HG21	1:258:B:ILE:H	16	0.1
(1,2202)	1:145:A:ILE:HG22	1:258:B:ILE:H	16	0.1
(1,2202)	1:145:A:ILE:HG23	1:258:B:ILE:H	16	0.1
(1,2176)	1:132:A:GLY:HA3	1:227:B:ILE:HA	3	0.1
(1,2170)	1:131:A:SER:HA	1:228:B:LEU:HA	4	0.1
(1,2159)	1:129:A:ALA:HB1	1:252:B:ALA:HA	15	0.1
(1,2159)	1:129:A:ALA:HB2	1:252:B:ALA:HA	15	0.1
(1,2159)	1:129:A:ALA:HB3	1:252:B:ALA:HA	15	0.1
(1,2138)	1:127:A:ILE:HA	1:232:B:GLY:HA3	8	0.1
(1,2076)	1:106:A:PHE:HB2	1:256:B:ASP:HA	14	0.1
(1,2073)	1:105:A:HIS:H	1:255:B:ALA:HB1	15	0.1
(1,2073)	1:105:A:HIS:H	1:255:B:ALA:HB2	15	0.1
(1,2073)	1:105:A:HIS:H	1:255:B:ALA:HB3	15	0.1
(1,2034)	1:101:A:MET:HE1	1:251:B:ASN:HD21	8	0.1
(1,2034)	1:101:A:MET:HE2	1:251:B:ASN:HD21	8	0.1
(1,2034)	1:101:A:MET:HE3	1:251:B:ASN:HD21	8	0.1
(1,2030)	1:235:B:TYR:H	1:240:B:LYS:HB2	8	0.1
(1,2030)	1:235:B:TYR:H	1:240:B:LYS:HB3	8	0.1
(1,2011)	1:221:B:VAL:H	1:228:B:LEU:HD11	3	0.1
(1,2011)	1:221:B:VAL:H	1:228:B:LEU:HD12	3	0.1
(1,2011)	1:221:B:VAL:H	1:228:B:LEU:HD13	3	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2011)	1:221:B:VAL:H	1:228:B:LEU:HD11	6	0.1
(1,2011)	1:221:B:VAL:H	1:228:B:LEU:HD12	6	0.1
(1,2011)	1:221:B:VAL:H	1:228:B:LEU:HD13	6	0.1
(1,2008)	1:221:B:VAL:HG11	1:226:B:ASN:HA	9	0.1
(1,2008)	1:221:B:VAL:HG12	1:226:B:ASN:HA	9	0.1
(1,2008)	1:221:B:VAL:HG13	1:226:B:ASN:HA	9	0.1
(1,2008)	1:221:B:VAL:HG21	1:226:B:ASN:HA	9	0.1
(1,2008)	1:221:B:VAL:HG22	1:226:B:ASN:HA	9	0.1
(1,2008)	1:221:B:VAL:HG23	1:226:B:ASN:HA	9	0.1
(1,1977)	1:219:B:ARG:HD2	1:230:B:ASP:HB3	14	0.1
(1,1977)	1:219:B:ARG:HD3	1:230:B:ASP:HB3	14	0.1
(1,1960)	1:218:B:TRP:HE1	1:245:B:ILE:HD11	3	0.1
(1,1960)	1:218:B:TRP:HE1	1:245:B:ILE:HD12	3	0.1
(1,1960)	1:218:B:TRP:HE1	1:245:B:ILE:HD13	3	0.1
(1,1960)	1:218:B:TRP:HE1	1:245:B:ILE:HD11	12	0.1
(1,1960)	1:218:B:TRP:HE1	1:245:B:ILE:HD12	12	0.1
(1,1960)	1:218:B:TRP:HE1	1:245:B:ILE:HD13	12	0.1
(1,1960)	1:218:B:TRP:HE1	1:245:B:ILE:HD11	18	0.1
(1,1960)	1:218:B:TRP:HE1	1:245:B:ILE:HD12	18	0.1
(1,1960)	1:218:B:TRP:HE1	1:245:B:ILE:HD13	18	0.1
(1,1927)	1:216:B:TYR:H	1:235:B:TYR:H	18	0.1
(1,1851)	1:208:B:VAL:HB	1:218:B:TRP:HB2	8	0.1
(1,1832)	1:206:B:PHE:H	1:220:B:LEU:HD21	13	0.1
(1,1832)	1:206:B:PHE:H	1:220:B:LEU:HD22	13	0.1
(1,1832)	1:206:B:PHE:H	1:220:B:LEU:HD23	13	0.1
(1,1832)	1:206:B:PHE:H	1:220:B:LEU:HD21	18	0.1
(1,1832)	1:206:B:PHE:H	1:220:B:LEU:HD22	18	0.1
(1,1832)	1:206:B:PHE:H	1:220:B:LEU:HD23	18	0.1
(1,1810)	1:206:B:PHE:HA	1:221:B:VAL:HG11	9	0.1
(1,1810)	1:206:B:PHE:HA	1:221:B:VAL:HG12	9	0.1
(1,1810)	1:206:B:PHE:HA	1:221:B:VAL:HG13	9	0.1
(1,1810)	1:206:B:PHE:HA	1:221:B:VAL:HG21	9	0.1
(1,1810)	1:206:B:PHE:HA	1:221:B:VAL:HG22	9	0.1
(1,1810)	1:206:B:PHE:HA	1:221:B:VAL:HG23	9	0.1
(1,1782)	1:131:A:SER:HB2	1:144:A:GLY:H	16	0.1
(1,1782)	1:131:A:SER:HB3	1:144:A:GLY:H	16	0.1
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD11	4	0.1
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD12	4	0.1
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD13	4	0.1
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD11	5	0.1
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD12	5	0.1
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD13	5	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD11	14	0.1
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD12	14	0.1
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD13	14	0.1
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD11	15	0.1
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD12	15	0.1
(1,1769)	1:121:A:VAL:H	1:128:A:LEU:HD13	15	0.1
(1,1665)	1:115:A:LYS:HG2	1:135:A:TYR:H	5	0.1
(1,1665)	1:115:A:LYS:HG2	1:135:A:TYR:H	17	0.1
(1,1609)	1:108:A:VAL:HB	1:118:A:TRP:HB2	18	0.1
(1,1590)	1:106:A:PHE:H	1:120:A:LEU:HD21	20	0.1
(1,1590)	1:106:A:PHE:H	1:120:A:LEU:HD22	20	0.1
(1,1590)	1:106:A:PHE:H	1:120:A:LEU:HD23	20	0.1
(1,1577)	1:106:A:PHE:HD1	1:119:A:ARG:HA	2	0.1
(1,1577)	1:106:A:PHE:HD2	1:119:A:ARG:HA	2	0.1
(1,1547)	1:258:B:ILE:HB	1:260:B:ALA:HA	2	0.1
(1,1547)	1:258:B:ILE:HB	1:260:B:ALA:HA	20	0.1
(1,1543)	1:252:B:ALA:H	1:254:B:ASP:H	6	0.1
(1,1511)	1:246:B:GLU:HA	1:249:B:LYS:H	12	0.1
(1,1511)	1:246:B:GLU:HA	1:249:B:LYS:H	17	0.1
(1,1508)	1:246:B:GLU:HA	1:248:B:VAL:H	10	0.1
(1,1505)	1:245:B:ILE:HG21	1:249:B:LYS:HG2	18	0.1
(1,1505)	1:245:B:ILE:HG21	1:249:B:LYS:HG3	18	0.1
(1,1505)	1:245:B:ILE:HG22	1:249:B:LYS:HG2	18	0.1
(1,1505)	1:245:B:ILE:HG22	1:249:B:LYS:HG3	18	0.1
(1,1505)	1:245:B:ILE:HG23	1:249:B:LYS:HG2	18	0.1
(1,1505)	1:245:B:ILE:HG23	1:249:B:LYS:HG3	18	0.1
(1,1396)	1:222:B:HIS:HB2	1:226:B:ASN:H	12	0.1
(1,1374)	1:211:B:ASP:H	1:215:B:LYS:HG3	13	0.1
(1,1374)	1:211:B:ASP:H	1:215:B:LYS:HG3	14	0.1
(1,1364)	1:211:B:ASP:HB3	1:215:B:LYS:HB3	10	0.1
(1,1337)	1:152:A:ALA:H	1:154:A:ASP:H	4	0.1
(1,1337)	1:152:A:ALA:H	1:154:A:ASP:H	11	0.1
(1,1337)	1:152:A:ALA:H	1:154:A:ASP:H	14	0.1
(1,1337)	1:152:A:ALA:H	1:154:A:ASP:H	19	0.1
(1,1302)	1:146:A:GLU:HA	1:148:A:VAL:H	16	0.1
(1,1249)	1:139:A:GLN:HB2	1:143:A:GLN:HE21	4	0.1
(1,1221)	1:131:A:SER:HB2	1:133:A:GLU:HB3	8	0.1
(1,1221)	1:131:A:SER:HB3	1:133:A:GLU:HB3	8	0.1
(1,1203)	1:124:A:ASN:HD22	1:128:A:LEU:HD21	13	0.1
(1,1203)	1:124:A:ASN:HD22	1:128:A:LEU:HD22	13	0.1
(1,1203)	1:124:A:ASN:HD22	1:128:A:LEU:HD23	13	0.1
(1,1190)	1:122:A:HIS:HB2	1:126:A:ASN:H	14	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1177)	1:115:A:LYS:HB2	1:117:A:ARG:HG2	18	0.1
(1,1171)	1:113:A:ALA:HA	1:115:A:LYS:HG3	5	0.1
(1,1158)	1:111:A:ASP:HB3	1:115:A:LYS:HB3	5	0.1
(1,1158)	1:111:A:ASP:HB3	1:115:A:LYS:HB3	13	0.1
(1,1131)	1:258:B:ILE:HG13	1:259:B:GLU:H	1	0.1
(1,1129)	1:258:B:ILE:HB	1:259:B:GLU:H	5	0.1
(1,1119)	1:255:B:ALA:HB1	1:256:B:ASP:H	4	0.1
(1,1119)	1:255:B:ALA:HB2	1:256:B:ASP:H	4	0.1
(1,1119)	1:255:B:ALA:HB3	1:256:B:ASP:H	4	0.1
(1,1119)	1:255:B:ALA:HB1	1:256:B:ASP:H	12	0.1
(1,1119)	1:255:B:ALA:HB2	1:256:B:ASP:H	12	0.1
(1,1119)	1:255:B:ALA:HB3	1:256:B:ASP:H	12	0.1
(1,1117)	1:255:B:ALA:HA	1:256:B:ASP:HB2	6	0.1
(1,1117)	1:255:B:ALA:HA	1:256:B:ASP:HB3	6	0.1
(1,1112)	1:254:B:ASP:HA	1:255:B:ALA:H	3	0.1
(1,1112)	1:254:B:ASP:HA	1:255:B:ALA:H	9	0.1
(1,1112)	1:254:B:ASP:HA	1:255:B:ALA:H	12	0.1
(1,1112)	1:254:B:ASP:HA	1:255:B:ALA:H	15	0.1
(1,1085)	1:250:B:ARG:HG3	1:251:B:ASN:HD21	19	0.1
(1,1050)	1:244:B:GLY:H	1:245:B:ILE:HD11	16	0.1
(1,1050)	1:244:B:GLY:H	1:245:B:ILE:HD12	16	0.1
(1,1050)	1:244:B:GLY:H	1:245:B:ILE:HD13	16	0.1
(1,1030)	1:240:B:LYS:HG3	1:241:B:ALA:HA	6	0.1
(1,1030)	1:240:B:LYS:HG3	1:241:B:ALA:HA	13	0.1
(1,1025)	1:239:B:GLN:HB2	1:240:B:LYS:H	14	0.1
(1,1023)	1:238:B:LYS:H	1:239:B:GLN:HB2	10	0.1
(1,1023)	1:238:B:LYS:H	1:239:B:GLN:HB2	11	0.1
(1,1015)	1:237:B:SER:HB2	1:238:B:LYS:H	19	0.1
(1,1008)	1:235:B:TYR:HB3	1:236:B:ALA:HA	13	0.1
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD11	8	0.1
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD12	8	0.1
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD13	8	0.1
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD11	12	0.1
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD12	12	0.1
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD13	12	0.1
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD11	15	0.1
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD12	15	0.1
(1,937)	1:219:B:ARG:H	1:220:B:LEU:HD13	15	0.1
(1,928)	1:218:B:TRP:HB2	1:219:B:ARG:HD2	11	0.1
(1,928)	1:218:B:TRP:HB2	1:219:B:ARG:HD3	11	0.1
(1,909)	1:215:B:LYS:HG2	1:216:B:TYR:H	19	0.1
(1,814)	1:158:A:ILE:HD11	1:159:A:GLU:H	16	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,814)	1:158:A:ILE:HD12	1:159:A:GLU:H	16	0.1
(1,814)	1:158:A:ILE:HD13	1:159:A:GLU:H	16	0.1
(1,803)	1:155:A:ALA:HB1	1:156:A:ASP:H	4	0.1
(1,803)	1:155:A:ALA:HB2	1:156:A:ASP:H	4	0.1
(1,803)	1:155:A:ALA:HB3	1:156:A:ASP:H	4	0.1
(1,734)	1:144:A:GLY:H	1:145:A:ILE:HD11	5	0.1
(1,734)	1:144:A:GLY:H	1:145:A:ILE:HD12	5	0.1
(1,734)	1:144:A:GLY:H	1:145:A:ILE:HD13	5	0.1
(1,734)	1:144:A:GLY:H	1:145:A:ILE:HD11	8	0.1
(1,734)	1:144:A:GLY:H	1:145:A:ILE:HD12	8	0.1
(1,734)	1:144:A:GLY:H	1:145:A:ILE:HD13	8	0.1
(1,734)	1:144:A:GLY:H	1:145:A:ILE:HD11	10	0.1
(1,734)	1:144:A:GLY:H	1:145:A:ILE:HD12	10	0.1
(1,734)	1:144:A:GLY:H	1:145:A:ILE:HD13	10	0.1
(1,729)	1:142:A:LYS:HE2	1:143:A:GLN:HE21	5	0.1
(1,729)	1:142:A:LYS:HE2	1:143:A:GLN:HE21	19	0.1
(1,699)	1:137:A:SER:HB2	1:138:A:LYS:H	2	0.1
(1,699)	1:137:A:SER:HB2	1:138:A:LYS:H	4	0.1
(1,699)	1:137:A:SER:HB2	1:138:A:LYS:H	9	0.1
(1,646)	1:125:A:GLY:HA3	1:126:A:ASN:HD21	18	0.1
(1,621)	1:119:A:ARG:H	1:120:A:LEU:HD11	3	0.1
(1,621)	1:119:A:ARG:H	1:120:A:LEU:HD12	3	0.1
(1,621)	1:119:A:ARG:H	1:120:A:LEU:HD13	3	0.1
(1,621)	1:119:A:ARG:H	1:120:A:LEU:HD11	5	0.1
(1,621)	1:119:A:ARG:H	1:120:A:LEU:HD12	5	0.1
(1,621)	1:119:A:ARG:H	1:120:A:LEU:HD13	5	0.1
(1,621)	1:119:A:ARG:H	1:120:A:LEU:HD11	13	0.1
(1,621)	1:119:A:ARG:H	1:120:A:LEU:HD12	13	0.1
(1,621)	1:119:A:ARG:H	1:120:A:LEU:HD13	13	0.1
(1,621)	1:119:A:ARG:H	1:120:A:LEU:HD11	15	0.1
(1,621)	1:119:A:ARG:H	1:120:A:LEU:HD12	15	0.1
(1,621)	1:119:A:ARG:H	1:120:A:LEU:HD13	15	0.1
(1,599)	1:117:A:ARG:HB2	1:118:A:TRP:H	1	0.1
(1,554)	1:109:A:PHE:HE1	1:110:A:VAL:H	11	0.1
(1,554)	1:109:A:PHE:HE2	1:110:A:VAL:H	11	0.1
(1,532)	1:106:A:PHE:H	1:107:A:GLU:HG2	1	0.1
(1,532)	1:106:A:PHE:H	1:107:A:GLU:HG2	4	0.1
(1,530)	1:106:A:PHE:HD1	1:107:A:GLU:HB2	5	0.1
(1,530)	1:106:A:PHE:HD1	1:107:A:GLU:HB3	5	0.1
(1,530)	1:106:A:PHE:HD2	1:107:A:GLU:HB2	5	0.1
(1,530)	1:106:A:PHE:HD2	1:107:A:GLU:HB3	5	0.1
(1,530)	1:106:A:PHE:HD1	1:107:A:GLU:HB2	16	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,530)	1:106:A:PHE:HD1	1:107:A:GLU:HB3	16	0.1
(1,530)	1:106:A:PHE:HD2	1:107:A:GLU:HB2	16	0.1
(1,530)	1:106:A:PHE:HD2	1:107:A:GLU:HB3	16	0.1
(1,465)	1:250:B:ARG:HA	1:250:B:ARG:HD2	4	0.1
(1,465)	1:250:B:ARG:HA	1:250:B:ARG:HD3	4	0.1
(1,465)	1:250:B:ARG:HA	1:250:B:ARG:HD2	11	0.1
(1,465)	1:250:B:ARG:HA	1:250:B:ARG:HD3	11	0.1
(1,396)	1:238:B:LYS:H	1:238:B:LYS:HE2	15	0.1
(1,396)	1:238:B:LYS:H	1:238:B:LYS:HE3	15	0.1
(1,396)	1:238:B:LYS:H	1:238:B:LYS:HE2	18	0.1
(1,396)	1:238:B:LYS:H	1:238:B:LYS:HE3	18	0.1
(1,391)	1:238:B:LYS:HA	1:238:B:LYS:HG3	4	0.1
(1,390)	1:237:B:SER:H	1:237:B:SER:HB2	3	0.1
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG11	8	0.1
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG12	8	0.1
(1,287)	1:210:B:VAL:H	1:210:B:VAL:HG13	8	0.1
(1,213)	1:150:A:ARG:HA	1:150:A:ARG:HD2	13	0.1
(1,213)	1:150:A:ARG:HA	1:150:A:ARG:HD3	13	0.1

10 Dihedral-angle violation analysis [i](#)

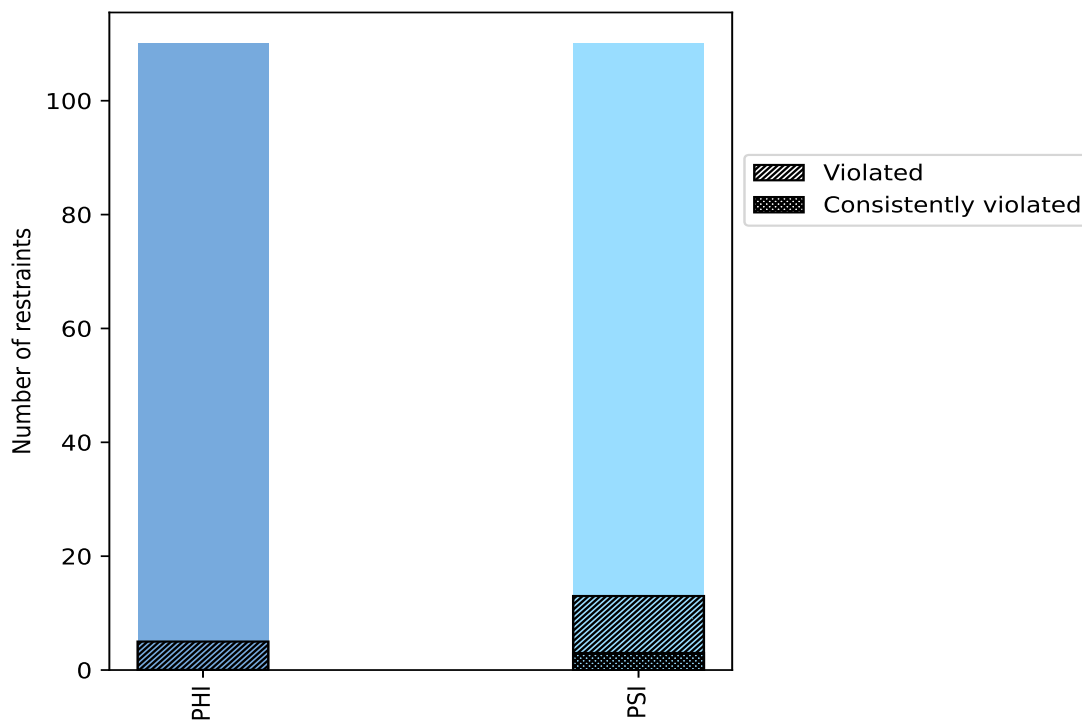
10.1 Summary of dihedral-angle violations [i](#)

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

Angle type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
PHI	110	50.0	5	4.5	2.3	0	0.0	0.0
PSI	110	50.0	13	11.8	5.9	3	2.7	1.4
Total	220	100.0	18	8.2	8.2	3	1.4	1.4

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

10.1.1 Bar chart : Distribution of dihedral-angles and violations [i](#)



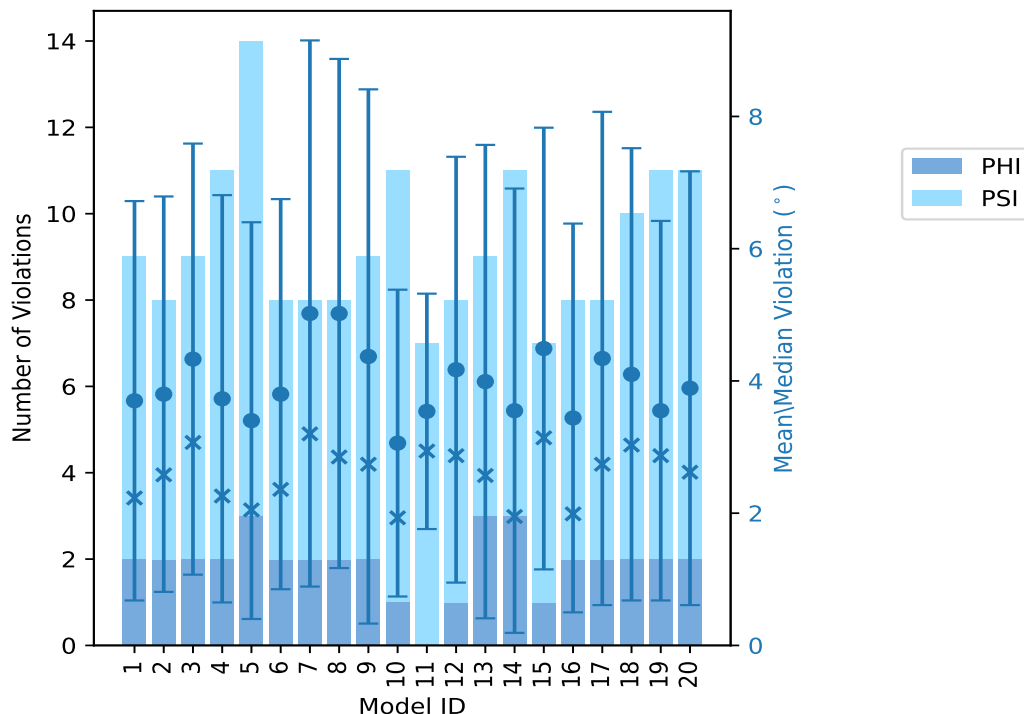
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

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

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

Model ID	Number of violations			Mean (°)	Max (°)	SD (°)	Median (°)
	PHI	PSI	Total				
1	2	7	9	3.7	9.71	3.02	2.23
2	2	6	8	3.8	9.4	2.99	2.58
3	2	7	9	4.33	10.71	3.26	3.07
4	2	9	11	3.73	10.23	3.08	2.26
5	3	11	14	3.4	10.61	3.0	2.05
6	2	6	8	3.8	8.74	2.95	2.36
7	2	6	8	5.02	12.57	4.13	3.2
8	2	6	8	5.02	11.75	3.85	2.85
9	2	7	9	4.37	13.64	4.04	2.74
10	1	10	11	3.06	7.75	2.32	1.93
11	0	7	7	3.54	6.51	1.78	2.94
12	1	7	8	4.17	9.88	3.22	2.87
13	3	6	9	3.99	11.33	3.58	2.57
14	3	8	11	3.55	10.64	3.36	1.95
15	1	6	7	4.49	9.98	3.34	3.14
16	2	6	8	3.44	8.67	2.94	1.99
17	2	6	8	4.34	11.99	3.73	2.74
18	2	8	10	4.1	10.78	3.42	3.03
19	2	9	11	3.55	9.5	2.87	2.87
20	2	9	11	3.89	11.12	3.28	2.62

10.2.1 Bar graph : Dihedral violation statistics for each model [i](#)



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

10.3 Dihedral-angle violation statistics for the ensemble [i](#)

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

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

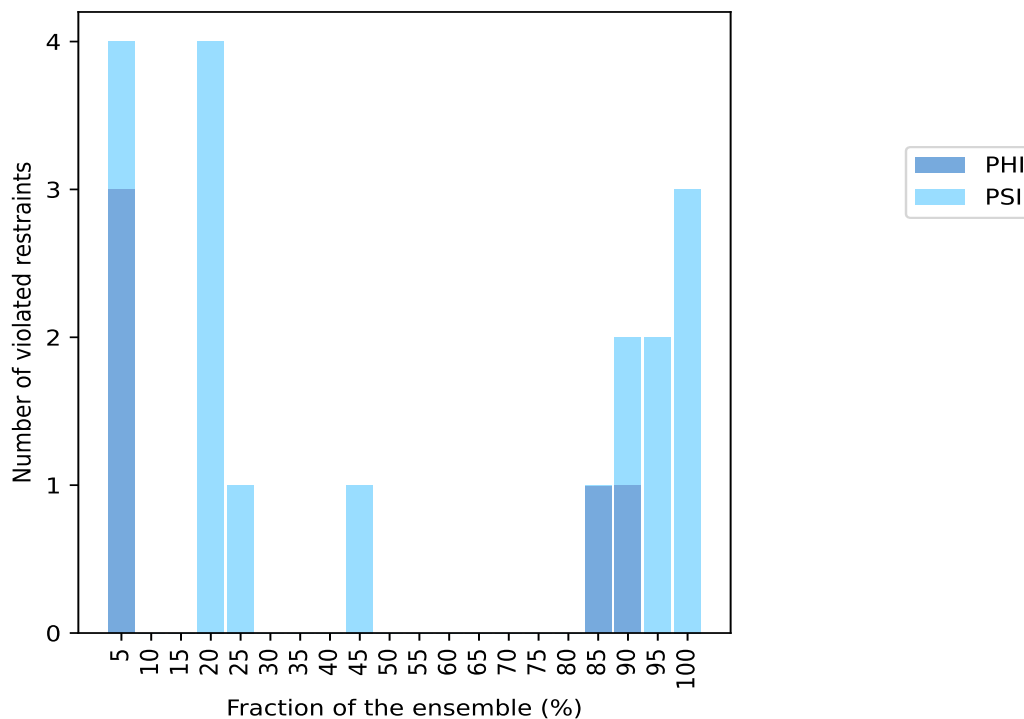
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Number of violated restraints			Fraction of the ensemble	
PHI	PSI	Total	Count ¹	%
0	0	0	12	60.0
0	0	0	13	65.0
0	0	0	14	70.0
0	0	0	15	75.0
0	0	0	16	80.0
1	0	1	17	85.0
1	1	2	18	90.0
0	2	2	19	95.0
0	3	3	20	100.0

¹ Number of models with violations

10.3.1 Bar graph : Dihedral-angle Violation statistics for the ensemble [i](#)

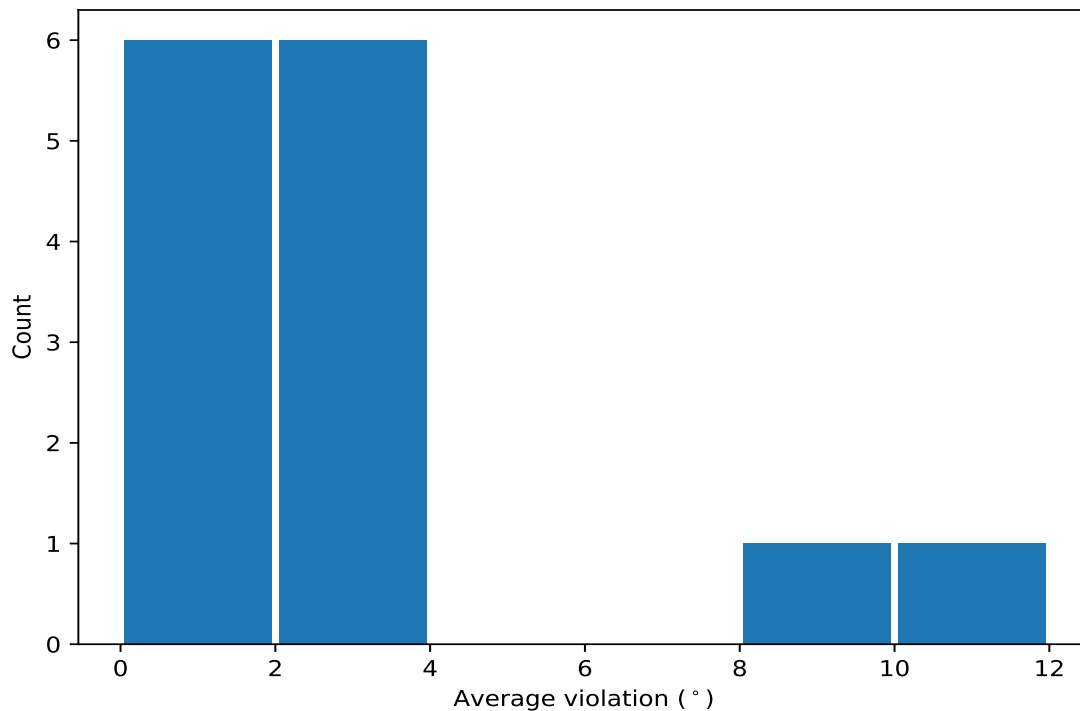


10.4 Most violated dihedral-angle restraints in the ensemble [i](#)

10.4.1 Histogram : Distribution of mean dihedral-angle violations [i](#)

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

in the ensemble



10.4.2 Table: Most violated dihedral-angle restraints [i](#)

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

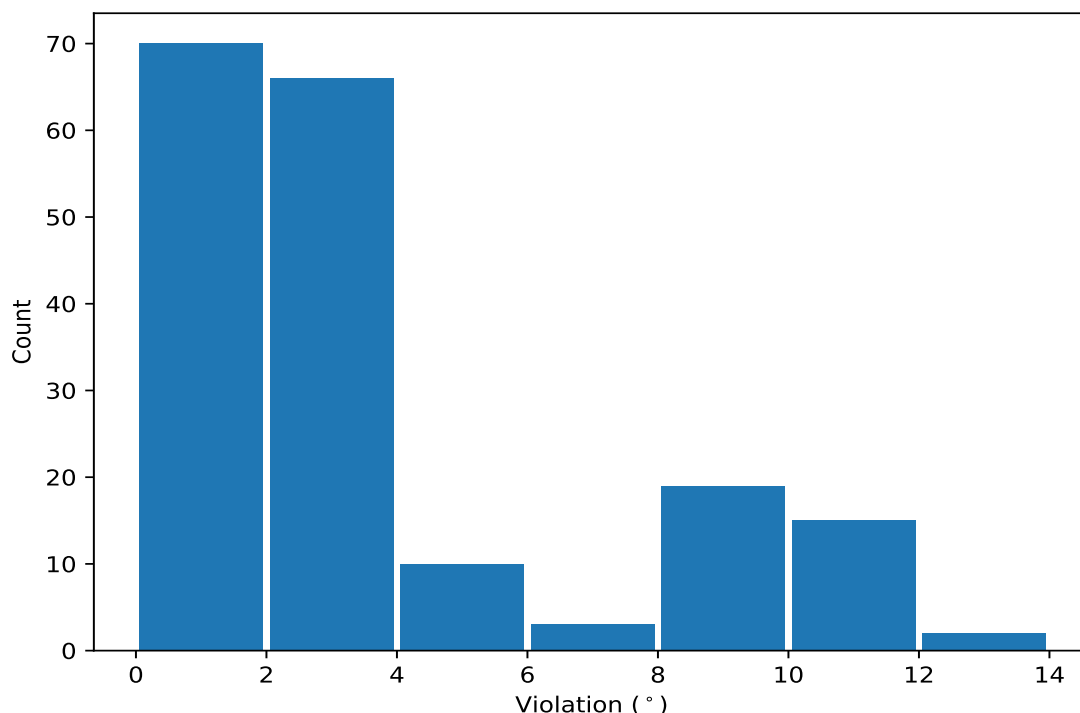
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,2)	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	1:104:A:ALA:N	20	10.01	1.64	9.79
(1,112)	1:203:B:LYS:N	1:203:B:LYS:CA	1:203:B:LYS:C	1:204:B:ALA:N	20	9.6	1.38	9.78
(1,44)	1:124:A:ASN:N	1:124:A:ASN:CA	1:124:A:ASN:C	1:125:A:GLY:N	20	3.35	0.5	3.16
(1,154)	1:224:B:ASN:N	1:224:B:ASN:CA	1:224:B:ASN:C	1:225:B:GLY:N	19	3.11	0.55	3.01
(1,64)	1:136:A:ALA:N	1:136:A:ALA:CA	1:136:A:ALA:C	1:137:A:SER:N	19	1.66	0.46	1.56
(1,174)	1:236:B:ALA:N	1:236:B:ALA:CA	1:236:B:ALA:C	1:237:B:SER:N	18	1.95	0.65	1.77
(1,113)	1:203:B:LYS:C	1:204:B:ALA:N	1:204:B:ALA:CA	1:204:B:ALA:C	18	1.82	0.51	1.73
(1,3)	1:103:A:LYS:C	1:104:A:ALA:N	1:104:A:ALA:CA	1:104:A:ALA:C	17	2.17	0.94	1.65
(1,92)	1:150:A:ARG:N	1:150:A:ARG:CA	1:150:A:ARG:C	1:151:A:ASN:N	9	1.57	0.33	1.44
(1,202)	1:250:B:ARG:N	1:250:B:ARG:CA	1:250:B:ARG:C	1:251:B:ASN:N	5	1.63	0.44	1.45
(1,170)	1:233:B:GLU:N	1:233:B:GLU:CA	1:233:B:GLU:C	1:234:B:GLY:N	4	3.74	0.42	3.8
(1,176)	1:237:B:SER:N	1:237:B:SER:CA	1:237:B:SER:C	1:238:B:LYS:N	4	2.46	1.05	2.21
(1,66)	1:137:A:SER:N	1:137:A:SER:CA	1:137:A:SER:C	1:138:A:LYS:N	4	2.11	0.38	2.1
(1,138)	1:216:B:TYR:N	1:216:B:TYR:CA	1:216:B:TYR:C	1:217:B:ARG:N	4	1.5	0.14	1.52

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

10.5 All violated dihedral-angle restraints [i](#)

10.5.1 Histogram : Distribution of violations [i](#)

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



10.5.2 Table: All violated dihedral-angle restraints [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.

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2)	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	1:104:A:ALA:N	9	13.64
(1,2)	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	1:104:A:ALA:N	7	12.57
(1,2)	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	1:104:A:ALA:N	17	11.99
(1,2)	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	1:104:A:ALA:N	8	11.75
(1,112)	1:203:B:LYS:N	1:203:B:LYS:CA	1:203:B:LYS:C	1:204:B:ALA:N	7	11.58
(1,112)	1:203:B:LYS:N	1:203:B:LYS:CA	1:203:B:LYS:C	1:204:B:ALA:N	8	11.48
(1,112)	1:203:B:LYS:N	1:203:B:LYS:CA	1:203:B:LYS:C	1:204:B:ALA:N	13	11.33
(1,2)	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	1:104:A:ALA:N	20	11.12
(1,112)	1:203:B:LYS:N	1:203:B:LYS:CA	1:203:B:LYS:C	1:204:B:ALA:N	18	10.78
(1,2)	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	1:104:A:ALA:N	18	10.74
(1,2)	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	1:104:A:ALA:N	3	10.71
(1,112)	1:203:B:LYS:N	1:203:B:LYS:CA	1:203:B:LYS:C	1:204:B:ALA:N	14	10.64
(1,112)	1:203:B:LYS:N	1:203:B:LYS:CA	1:203:B:LYS:C	1:204:B:ALA:N	5	10.61
(1,2)	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	1:104:A:ALA:N	14	10.46

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,112)	1:203:B:LYS:N	1:203:B:LYS:CA	1:203:B:LYS:C	1:204:B:ALA:N	4	10.23
(1,2)	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	1:104:A:ALA:N	5	10.18
(1,112)	1:203:B:LYS:N	1:203:B:LYS:CA	1:203:B:LYS:C	1:204:B:ALA:N	20	10.07
(1,112)	1:203:B:LYS:N	1:203:B:LYS:CA	1:203:B:LYS:C	1:204:B:ALA:N	15	9.98
(1,2)	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	1:104:A:ALA:N	12	9.88
(1,112)	1:203:B:LYS:N	1:203:B:LYS:CA	1:203:B:LYS:C	1:204:B:ALA:N	3	9.84
(1,112)	1:203:B:LYS:N	1:203:B:LYS:CA	1:203:B:LYS:C	1:204:B:ALA:N	1	9.71
(1,2)	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	1:104:A:ALA:N	13	9.7
(1,112)	1:203:B:LYS:N	1:203:B:LYS:CA	1:203:B:LYS:C	1:204:B:ALA:N	19	9.5
(1,2)	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	1:104:A:ALA:N	4	9.49
(1,2)	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	1:104:A:ALA:N	2	9.4
(1,112)	1:203:B:LYS:N	1:203:B:LYS:CA	1:203:B:LYS:C	1:204:B:ALA:N	12	9.34
(1,112)	1:203:B:LYS:N	1:203:B:LYS:CA	1:203:B:LYS:C	1:204:B:ALA:N	9	9.29
(1,112)	1:203:B:LYS:N	1:203:B:LYS:CA	1:203:B:LYS:C	1:204:B:ALA:N	17	9.22
(1,2)	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	1:104:A:ALA:N	15	9.19
(1,2)	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	1:104:A:ALA:N	19	8.91
(1,2)	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	1:104:A:ALA:N	1	8.79
(1,2)	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	1:104:A:ALA:N	6	8.74
(1,2)	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	1:104:A:ALA:N	16	8.67
(1,112)	1:203:B:LYS:N	1:203:B:LYS:CA	1:203:B:LYS:C	1:204:B:ALA:N	6	8.6
(1,112)	1:203:B:LYS:N	1:203:B:LYS:CA	1:203:B:LYS:C	1:204:B:ALA:N	16	8.18
(1,112)	1:203:B:LYS:N	1:203:B:LYS:CA	1:203:B:LYS:C	1:204:B:ALA:N	2	8.16
(1,2)	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	1:104:A:ALA:N	10	7.75
(1,112)	1:203:B:LYS:N	1:203:B:LYS:CA	1:203:B:LYS:C	1:204:B:ALA:N	10	7.43
(1,2)	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	1:104:A:ALA:N	11	6.51
(1,112)	1:203:B:LYS:N	1:203:B:LYS:CA	1:203:B:LYS:C	1:204:B:ALA:N	11	5.94
(1,44)	1:124:A:ASN:N	1:124:A:ASN:CA	1:124:A:ASN:C	1:125:A:GLY:N	4	4.54
(1,60)	1:133:A:GLU:N	1:133:A:GLU:CA	1:133:A:GLU:C	1:134:A:GLY:N	4	4.42
(1,170)	1:233:B:GLU:N	1:233:B:GLU:CA	1:233:B:GLU:C	1:234:B:GLY:N	19	4.23
(1,44)	1:124:A:ASN:N	1:124:A:ASN:CA	1:124:A:ASN:C	1:125:A:GLY:N	8	4.17
(1,176)	1:237:B:SER:N	1:237:B:SER:CA	1:237:B:SER:C	1:238:B:LYS:N	10	4.14
(1,154)	1:224:B:ASN:N	1:224:B:ASN:CA	1:224:B:ASN:C	1:225:B:GLY:N	6	4.14
(1,154)	1:224:B:ASN:N	1:224:B:ASN:CA	1:224:B:ASN:C	1:225:B:GLY:N	3	4.12
(1,154)	1:224:B:ASN:N	1:224:B:ASN:CA	1:224:B:ASN:C	1:225:B:GLY:N	15	4.08
(1,170)	1:233:B:GLU:N	1:233:B:GLU:CA	1:233:B:GLU:C	1:234:B:GLY:N	5	4.0
(1,44)	1:124:A:ASN:N	1:124:A:ASN:CA	1:124:A:ASN:C	1:125:A:GLY:N	5	3.92
(1,3)	1:103:A:LYS:C	1:104:A:ALA:N	1:104:A:ALA:CA	1:104:A:ALA:C	9	3.91
(1,44)	1:124:A:ASN:N	1:124:A:ASN:CA	1:124:A:ASN:C	1:125:A:GLY:N	18	3.84
(1,174)	1:236:B:ALA:N	1:236:B:ALA:CA	1:236:B:ALA:C	1:237:B:SER:N	19	3.81
(1,44)	1:124:A:ASN:N	1:124:A:ASN:CA	1:124:A:ASN:C	1:125:A:GLY:N	20	3.8
(1,154)	1:224:B:ASN:N	1:224:B:ASN:CA	1:224:B:ASN:C	1:225:B:GLY:N	5	3.79
(1,44)	1:124:A:ASN:N	1:124:A:ASN:CA	1:124:A:ASN:C	1:125:A:GLY:N	2	3.66
(1,44)	1:124:A:ASN:N	1:124:A:ASN:CA	1:124:A:ASN:C	1:125:A:GLY:N	9	3.61
(1,170)	1:233:B:GLU:N	1:233:B:GLU:CA	1:233:B:GLU:C	1:234:B:GLY:N	20	3.59
(1,3)	1:103:A:LYS:C	1:104:A:ALA:N	1:104:A:ALA:CA	1:104:A:ALA:C	7	3.48
(1,44)	1:124:A:ASN:N	1:124:A:ASN:CA	1:124:A:ASN:C	1:125:A:GLY:N	14	3.46
(1,154)	1:224:B:ASN:N	1:224:B:ASN:CA	1:224:B:ASN:C	1:225:B:GLY:N	12	3.4
(1,3)	1:103:A:LYS:C	1:104:A:ALA:N	1:104:A:ALA:CA	1:104:A:ALA:C	20	3.39
(1,154)	1:224:B:ASN:N	1:224:B:ASN:CA	1:224:B:ASN:C	1:225:B:GLY:N	7	3.28
(1,154)	1:224:B:ASN:N	1:224:B:ASN:CA	1:224:B:ASN:C	1:225:B:GLY:N	1	3.27
(1,3)	1:103:A:LYS:C	1:104:A:ALA:N	1:104:A:ALA:CA	1:104:A:ALA:C	3	3.24

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,44)	1:124:A:ASN:N	1:124:A:ASN:CA	1:124:A:ASN:C	1:125:A:GLY:N	13	3.23
(1,44)	1:124:A:ASN:N	1:124:A:ASN:CA	1:124:A:ASN:C	1:125:A:GLY:N	17	3.18
(1,154)	1:224:B:ASN:N	1:224:B:ASN:CA	1:224:B:ASN:C	1:225:B:GLY:N	19	3.15
(1,44)	1:124:A:ASN:N	1:124:A:ASN:CA	1:124:A:ASN:C	1:125:A:GLY:N	10	3.15
(1,44)	1:124:A:ASN:N	1:124:A:ASN:CA	1:124:A:ASN:C	1:125:A:GLY:N	15	3.14
(1,3)	1:103:A:LYS:C	1:104:A:ALA:N	1:104:A:ALA:CA	1:104:A:ALA:C	18	3.13
(1,170)	1:233:B:GLU:N	1:233:B:GLU:CA	1:233:B:GLU:C	1:234:B:GLY:N	18	3.12
(1,44)	1:124:A:ASN:N	1:124:A:ASN:CA	1:124:A:ASN:C	1:125:A:GLY:N	7	3.12
(1,154)	1:224:B:ASN:N	1:224:B:ASN:CA	1:224:B:ASN:C	1:225:B:GLY:N	11	3.1
(1,44)	1:124:A:ASN:N	1:124:A:ASN:CA	1:124:A:ASN:C	1:125:A:GLY:N	12	3.1
(1,44)	1:124:A:ASN:N	1:124:A:ASN:CA	1:124:A:ASN:C	1:125:A:GLY:N	3	3.07
(1,154)	1:224:B:ASN:N	1:224:B:ASN:CA	1:224:B:ASN:C	1:225:B:GLY:N	8	3.01
(1,44)	1:124:A:ASN:N	1:124:A:ASN:CA	1:124:A:ASN:C	1:125:A:GLY:N	6	2.95
(1,44)	1:124:A:ASN:N	1:124:A:ASN:CA	1:124:A:ASN:C	1:125:A:GLY:N	16	2.95
(1,44)	1:124:A:ASN:N	1:124:A:ASN:CA	1:124:A:ASN:C	1:125:A:GLY:N	11	2.94
(1,174)	1:236:B:ALA:N	1:236:B:ALA:CA	1:236:B:ALA:C	1:237:B:SER:N	18	2.93
(1,113)	1:203:B:LYS:C	1:204:B:ALA:N	1:204:B:ALA:CA	1:204:B:ALA:C	7	2.92
(1,113)	1:203:B:LYS:C	1:204:B:ALA:N	1:204:B:ALA:CA	1:204:B:ALA:C	13	2.91
(1,44)	1:124:A:ASN:N	1:124:A:ASN:CA	1:124:A:ASN:C	1:125:A:GLY:N	19	2.87
(1,154)	1:224:B:ASN:N	1:224:B:ASN:CA	1:224:B:ASN:C	1:225:B:GLY:N	14	2.79
(1,154)	1:224:B:ASN:N	1:224:B:ASN:CA	1:224:B:ASN:C	1:225:B:GLY:N	10	2.78
(1,154)	1:224:B:ASN:N	1:224:B:ASN:CA	1:224:B:ASN:C	1:225:B:GLY:N	2	2.76
(1,3)	1:103:A:LYS:C	1:104:A:ALA:N	1:104:A:ALA:CA	1:104:A:ALA:C	17	2.76
(1,154)	1:224:B:ASN:N	1:224:B:ASN:CA	1:224:B:ASN:C	1:225:B:GLY:N	9	2.74
(1,154)	1:224:B:ASN:N	1:224:B:ASN:CA	1:224:B:ASN:C	1:225:B:GLY:N	17	2.71
(1,64)	1:136:A:ALA:N	1:136:A:ALA:CA	1:136:A:ALA:C	1:137:A:SER:N	8	2.69
(1,66)	1:137:A:SER:N	1:137:A:SER:CA	1:137:A:SER:C	1:138:A:LYS:N	12	2.64
(1,3)	1:103:A:LYS:C	1:104:A:ALA:N	1:104:A:ALA:CA	1:104:A:ALA:C	8	2.64
(1,154)	1:224:B:ASN:N	1:224:B:ASN:CA	1:224:B:ASN:C	1:225:B:GLY:N	20	2.62
(1,154)	1:224:B:ASN:N	1:224:B:ASN:CA	1:224:B:ASN:C	1:225:B:GLY:N	13	2.57
(1,64)	1:136:A:ALA:N	1:136:A:ALA:CA	1:136:A:ALA:C	1:137:A:SER:N	11	2.48
(1,154)	1:224:B:ASN:N	1:224:B:ASN:CA	1:224:B:ASN:C	1:225:B:GLY:N	16	2.46
(1,176)	1:237:B:SER:N	1:237:B:SER:CA	1:237:B:SER:C	1:238:B:LYS:N	14	2.45
(1,174)	1:236:B:ALA:N	1:236:B:ALA:CA	1:236:B:ALA:C	1:237:B:SER:N	2	2.4
(1,174)	1:236:B:ALA:N	1:236:B:ALA:CA	1:236:B:ALA:C	1:237:B:SER:N	11	2.4
(1,113)	1:203:B:LYS:C	1:204:B:ALA:N	1:204:B:ALA:CA	1:204:B:ALA:C	8	2.38
(1,154)	1:224:B:ASN:N	1:224:B:ASN:CA	1:224:B:ASN:C	1:225:B:GLY:N	4	2.36
(1,174)	1:236:B:ALA:N	1:236:B:ALA:CA	1:236:B:ALA:C	1:237:B:SER:N	3	2.35
(1,44)	1:124:A:ASN:N	1:124:A:ASN:CA	1:124:A:ASN:C	1:125:A:GLY:N	1	2.35
(1,174)	1:236:B:ALA:N	1:236:B:ALA:CA	1:236:B:ALA:C	1:237:B:SER:N	12	2.33
(1,92)	1:150:A:ARG:N	1:150:A:ARG:CA	1:150:A:ARG:C	1:151:A:ASN:N	9	2.27
(1,66)	1:137:A:SER:N	1:137:A:SER:CA	1:137:A:SER:C	1:138:A:LYS:N	3	2.27
(1,64)	1:136:A:ALA:N	1:136:A:ALA:CA	1:136:A:ALA:C	1:137:A:SER:N	4	2.26
(1,202)	1:250:B:ARG:N	1:250:B:ARG:CA	1:250:B:ARG:C	1:251:B:ASN:N	1	2.23
(1,64)	1:136:A:ALA:N	1:136:A:ALA:CA	1:136:A:ALA:C	1:137:A:SER:N	13	2.22
(1,113)	1:203:B:LYS:C	1:204:B:ALA:N	1:204:B:ALA:CA	1:204:B:ALA:C	5	2.16
(1,113)	1:203:B:LYS:C	1:204:B:ALA:N	1:204:B:ALA:CA	1:204:B:ALA:C	20	2.06
(1,3)	1:103:A:LYS:C	1:104:A:ALA:N	1:104:A:ALA:CA	1:104:A:ALA:C	5	2.06
(1,202)	1:250:B:ARG:N	1:250:B:ARG:CA	1:250:B:ARG:C	1:251:B:ASN:N	5	2.04
(1,174)	1:236:B:ALA:N	1:236:B:ALA:CA	1:236:B:ALA:C	1:237:B:SER:N	8	2.03
(1,174)	1:236:B:ALA:N	1:236:B:ALA:CA	1:236:B:ALA:C	1:237:B:SER:N	20	1.98

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,113)	1:203:B:LYS:C	1:204:B:ALA:N	1:204:B:ALA:CA	1:204:B:ALA:C	15	1.98
(1,176)	1:237:B:SER:N	1:237:B:SER:CA	1:237:B:SER:C	1:238:B:LYS:N	17	1.97
(1,113)	1:203:B:LYS:C	1:204:B:ALA:N	1:204:B:ALA:CA	1:204:B:ALA:C	1	1.96
(1,113)	1:203:B:LYS:C	1:204:B:ALA:N	1:204:B:ALA:CA	1:204:B:ALA:C	14	1.95
(1,66)	1:137:A:SER:N	1:137:A:SER:CA	1:137:A:SER:C	1:138:A:LYS:N	10	1.93
(1,92)	1:150:A:ARG:N	1:150:A:ARG:CA	1:150:A:ARG:C	1:151:A:ASN:N	4	1.82
(1,113)	1:203:B:LYS:C	1:204:B:ALA:N	1:204:B:ALA:CA	1:204:B:ALA:C	18	1.81
(1,92)	1:150:A:ARG:N	1:150:A:ARG:CA	1:150:A:ARG:C	1:151:A:ASN:N	5	1.81
(1,64)	1:136:A:ALA:N	1:136:A:ALA:CA	1:136:A:ALA:C	1:137:A:SER:N	15	1.79
(1,174)	1:236:B:ALA:N	1:236:B:ALA:CA	1:236:B:ALA:C	1:237:B:SER:N	1	1.78
(1,64)	1:136:A:ALA:N	1:136:A:ALA:CA	1:136:A:ALA:C	1:137:A:SER:N	3	1.77
(1,174)	1:236:B:ALA:N	1:236:B:ALA:CA	1:236:B:ALA:C	1:237:B:SER:N	6	1.76
(1,64)	1:136:A:ALA:N	1:136:A:ALA:CA	1:136:A:ALA:C	1:137:A:SER:N	18	1.74
(1,201)	1:249:B:LYS:C	1:250:B:ARG:N	1:250:B:ARG:CA	1:250:B:ARG:C	13	1.72
(1,64)	1:136:A:ALA:N	1:136:A:ALA:CA	1:136:A:ALA:C	1:137:A:SER:N	5	1.72
(1,138)	1:216:B:TYR:N	1:216:B:TYR:CA	1:216:B:TYR:C	1:217:B:ARG:N	18	1.67
(1,92)	1:150:A:ARG:N	1:150:A:ARG:CA	1:150:A:ARG:C	1:151:A:ASN:N	20	1.66
(1,64)	1:136:A:ALA:N	1:136:A:ALA:CA	1:136:A:ALA:C	1:137:A:SER:N	7	1.66
(1,113)	1:203:B:LYS:C	1:204:B:ALA:N	1:204:B:ALA:CA	1:204:B:ALA:C	19	1.65
(1,3)	1:103:A:LYS:C	1:104:A:ALA:N	1:104:A:ALA:CA	1:104:A:ALA:C	1	1.65
(1,113)	1:203:B:LYS:C	1:204:B:ALA:N	1:204:B:ALA:CA	1:204:B:ALA:C	3	1.63
(1,66)	1:137:A:SER:N	1:137:A:SER:CA	1:137:A:SER:C	1:138:A:LYS:N	14	1.61
(1,174)	1:236:B:ALA:N	1:236:B:ALA:CA	1:236:B:ALA:C	1:237:B:SER:N	4	1.57
(1,174)	1:236:B:ALA:N	1:236:B:ALA:CA	1:236:B:ALA:C	1:237:B:SER:N	7	1.57
(1,64)	1:136:A:ALA:N	1:136:A:ALA:CA	1:136:A:ALA:C	1:137:A:SER:N	17	1.56
(1,138)	1:216:B:TYR:N	1:216:B:TYR:CA	1:216:B:TYR:C	1:217:B:ARG:N	5	1.55
(1,3)	1:103:A:LYS:C	1:104:A:ALA:N	1:104:A:ALA:CA	1:104:A:ALA:C	14	1.55
(1,64)	1:136:A:ALA:N	1:136:A:ALA:CA	1:136:A:ALA:C	1:137:A:SER:N	1	1.53
(1,174)	1:236:B:ALA:N	1:236:B:ALA:CA	1:236:B:ALA:C	1:237:B:SER:N	16	1.52
(1,138)	1:216:B:TYR:N	1:216:B:TYR:CA	1:216:B:TYR:C	1:217:B:ARG:N	20	1.5
(1,3)	1:103:A:LYS:C	1:104:A:ALA:N	1:104:A:ALA:CA	1:104:A:ALA:C	4	1.49
(1,64)	1:136:A:ALA:N	1:136:A:ALA:CA	1:136:A:ALA:C	1:137:A:SER:N	19	1.48
(1,174)	1:236:B:ALA:N	1:236:B:ALA:CA	1:236:B:ALA:C	1:237:B:SER:N	5	1.47
(1,113)	1:203:B:LYS:C	1:204:B:ALA:N	1:204:B:ALA:CA	1:204:B:ALA:C	6	1.47
(1,3)	1:103:A:LYS:C	1:104:A:ALA:N	1:104:A:ALA:CA	1:104:A:ALA:C	6	1.47
(1,174)	1:236:B:ALA:N	1:236:B:ALA:CA	1:236:B:ALA:C	1:237:B:SER:N	10	1.46
(1,202)	1:250:B:ARG:N	1:250:B:ARG:CA	1:250:B:ARG:C	1:251:B:ASN:N	4	1.45
(1,92)	1:150:A:ARG:N	1:150:A:ARG:CA	1:150:A:ARG:C	1:151:A:ASN:N	14	1.44
(1,3)	1:103:A:LYS:C	1:104:A:ALA:N	1:104:A:ALA:CA	1:104:A:ALA:C	2	1.44
(1,113)	1:203:B:LYS:C	1:204:B:ALA:N	1:204:B:ALA:CA	1:204:B:ALA:C	4	1.41
(1,3)	1:103:A:LYS:C	1:104:A:ALA:N	1:104:A:ALA:CA	1:104:A:ALA:C	10	1.41
(1,113)	1:203:B:LYS:C	1:204:B:ALA:N	1:204:B:ALA:CA	1:204:B:ALA:C	16	1.4
(1,64)	1:136:A:ALA:N	1:136:A:ALA:CA	1:136:A:ALA:C	1:137:A:SER:N	14	1.4
(1,92)	1:150:A:ARG:N	1:150:A:ARG:CA	1:150:A:ARG:C	1:151:A:ASN:N	11	1.39
(1,202)	1:250:B:ARG:N	1:250:B:ARG:CA	1:250:B:ARG:C	1:251:B:ASN:N	10	1.36
(1,92)	1:150:A:ARG:N	1:150:A:ARG:CA	1:150:A:ARG:C	1:151:A:ASN:N	12	1.35
(1,64)	1:136:A:ALA:N	1:136:A:ALA:CA	1:136:A:ALA:C	1:137:A:SER:N	9	1.35
(1,113)	1:203:B:LYS:C	1:204:B:ALA:N	1:204:B:ALA:CA	1:204:B:ALA:C	2	1.33
(1,91)	1:149:A:LYS:C	1:150:A:ARG:N	1:150:A:ARG:CA	1:150:A:ARG:C	14	1.33
(1,113)	1:203:B:LYS:C	1:204:B:ALA:N	1:204:B:ALA:CA	1:204:B:ALA:C	12	1.31
(1,113)	1:203:B:LYS:C	1:204:B:ALA:N	1:204:B:ALA:CA	1:204:B:ALA:C	17	1.31

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,174)	1:236:B:ALA:N	1:236:B:ALA:CA	1:236:B:ALA:C	1:237:B:SER:N	9	1.3
(1,174)	1:236:B:ALA:N	1:236:B:ALA:CA	1:236:B:ALA:C	1:237:B:SER:N	15	1.3
(1,176)	1:237:B:SER:N	1:237:B:SER:CA	1:237:B:SER:C	1:238:B:LYS:N	5	1.29
(1,64)	1:136:A:ALA:N	1:136:A:ALA:CA	1:136:A:ALA:C	1:137:A:SER:N	2	1.29
(1,138)	1:216:B:TYR:N	1:216:B:TYR:CA	1:216:B:TYR:C	1:217:B:ARG:N	19	1.28
(1,64)	1:136:A:ALA:N	1:136:A:ALA:CA	1:136:A:ALA:C	1:137:A:SER:N	6	1.27
(1,92)	1:150:A:ARG:N	1:150:A:ARG:CA	1:150:A:ARG:C	1:151:A:ASN:N	18	1.22
(1,174)	1:236:B:ALA:N	1:236:B:ALA:CA	1:236:B:ALA:C	1:237:B:SER:N	13	1.19
(1,113)	1:203:B:LYS:C	1:204:B:ALA:N	1:204:B:ALA:CA	1:204:B:ALA:C	9	1.18
(1,92)	1:150:A:ARG:N	1:150:A:ARG:CA	1:150:A:ARG:C	1:151:A:ASN:N	10	1.17
(1,64)	1:136:A:ALA:N	1:136:A:ALA:CA	1:136:A:ALA:C	1:137:A:SER:N	16	1.17
(1,3)	1:103:A:LYS:C	1:104:A:ALA:N	1:104:A:ALA:CA	1:104:A:ALA:C	16	1.17
(1,3)	1:103:A:LYS:C	1:104:A:ALA:N	1:104:A:ALA:CA	1:104:A:ALA:C	19	1.1
(1,117)	1:205:B:HIS:C	1:206:B:PHE:N	1:206:B:PHE:CA	1:206:B:PHE:C	5	1.07
(1,202)	1:250:B:ARG:N	1:250:B:ARG:CA	1:250:B:ARG:C	1:251:B:ASN:N	19	1.06
(1,64)	1:136:A:ALA:N	1:136:A:ALA:CA	1:136:A:ALA:C	1:137:A:SER:N	10	1.04
(1,64)	1:136:A:ALA:N	1:136:A:ALA:CA	1:136:A:ALA:C	1:137:A:SER:N	20	1.03
(1,3)	1:103:A:LYS:C	1:104:A:ALA:N	1:104:A:ALA:CA	1:104:A:ALA:C	13	1.03