



# Full wwPDB NMR Structure Validation Report ⓘ

Jun 5, 2023 – 12:59 PM JST

PDB ID : 5WYO  
BMRB ID : 36045  
Title : Solution structure of E.coli HdeA  
Authors : Yang, C.; Hu, Y.; Jin, C.  
Deposited on : 2017-01-14

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

We welcome your comments at [validation@mail.wwpdb.org](mailto: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>.

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

MolProbity : 4.02b-467  
Percentile statistics : 20191225.v01 (using entries in the PDB archive December 25th 2019)  
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) : 2.33

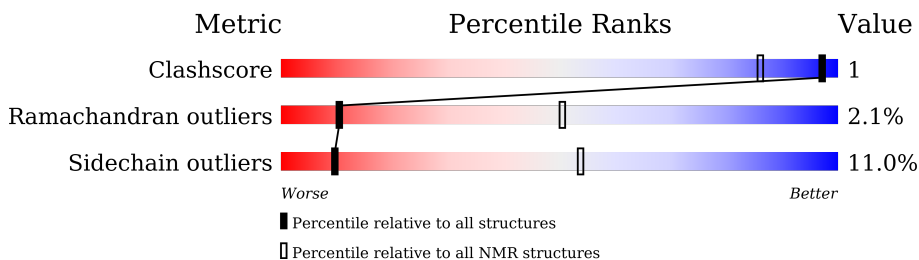
# 1 Overall quality at a glance

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	158937	12864
Ramachandran outliers	154571	11451
Sidechain outliers	154315	11428

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  $\geq 3$ , 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	89	
1	B	89	

## 2 Ensemble composition and analysis

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

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

Well-defined (core) protein residues			
Well-defined core	Residue range (total)	Backbone RMSD (Å)	Medoid model
1	A:12-A:85, B:101-B:175 (149)	0.75	18

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

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

The models can be grouped into 3 clusters and 9 single-model clusters were found.

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

### 3 Entry composition

There is only 1 type of molecule in this entry. The entry contains 2704 atoms, of which 1336 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Acid stress chaperone HdeA.

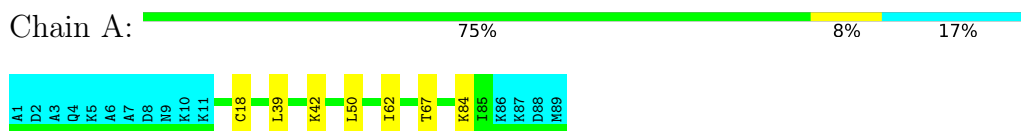
Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	A	89	1352	427	668	114	140	3	0
1	B	89	1352	427	668	114	140	3	0

## 4 Residue-property plots

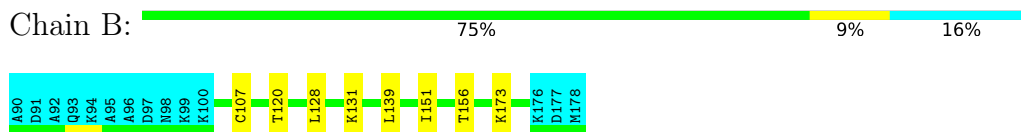
### 4.1 Average score per residue in the NMR ensemble

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: Acid stress chaperone HdeA



- Molecule 1: Acid stress chaperone HdeA

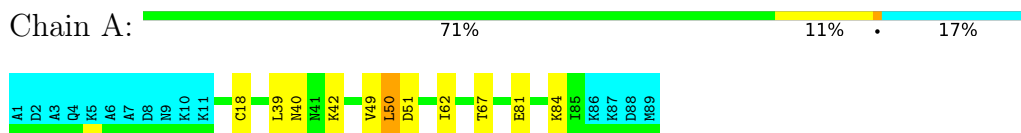


### 4.2 Scores per residue for each member of the ensemble

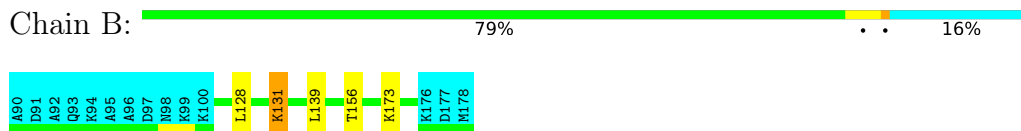
Colouring as in section 4.1 above.

#### 4.2.1 Score per residue for model 1

- Molecule 1: Acid stress chaperone HdeA

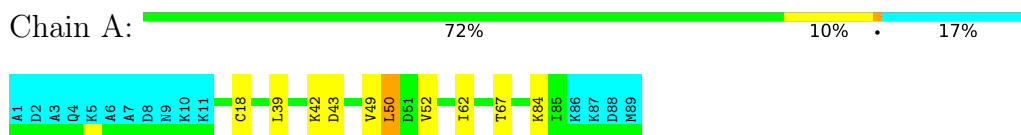


- Molecule 1: Acid stress chaperone HdeA

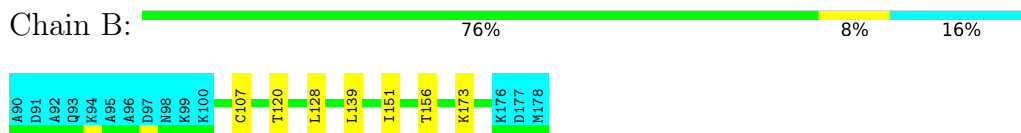


### 4.2.2 Score per residue for model 2

- Molecule 1: Acid stress chaperone HdeA

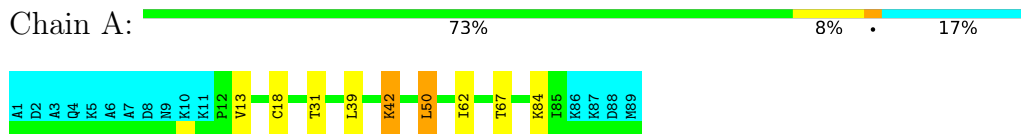


- Molecule 1: Acid stress chaperone HdeA

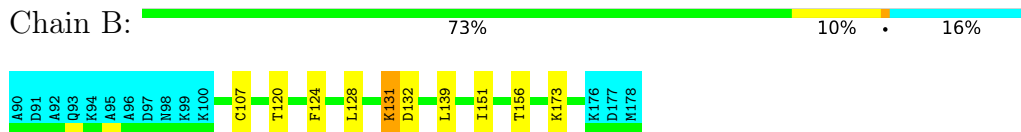


### 4.2.3 Score per residue for model 3

- Molecule 1: Acid stress chaperone HdeA

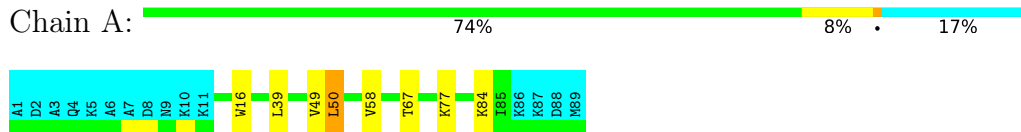


- Molecule 1: Acid stress chaperone HdeA

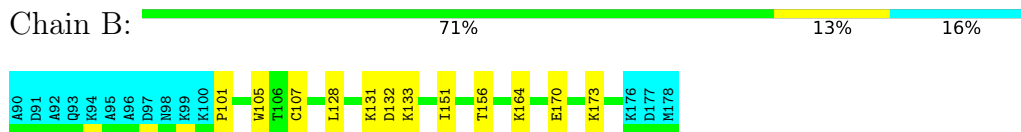


### 4.2.4 Score per residue for model 4

- Molecule 1: Acid stress chaperone HdeA

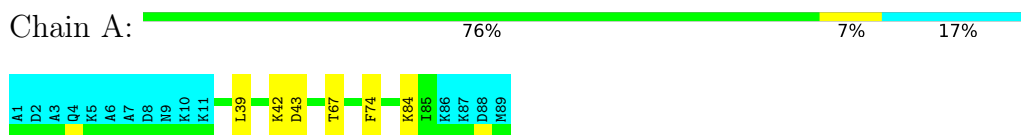


- Molecule 1: Acid stress chaperone HdeA

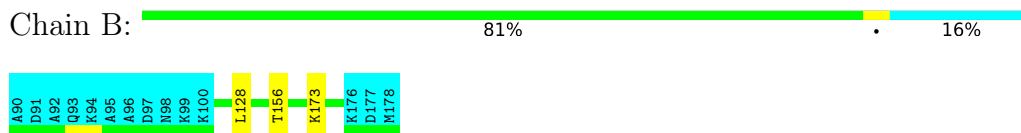


### 4.2.5 Score per residue for model 5

- Molecule 1: Acid stress chaperone HdeA

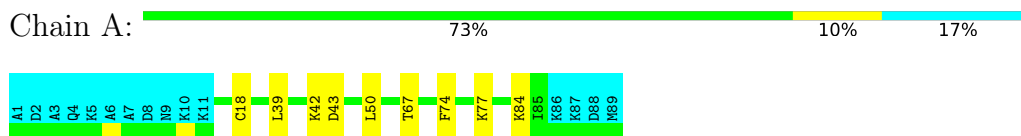


- Molecule 1: Acid stress chaperone HdeA

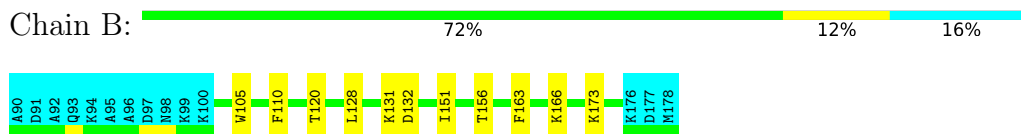


### 4.2.6 Score per residue for model 6

- Molecule 1: Acid stress chaperone HdeA

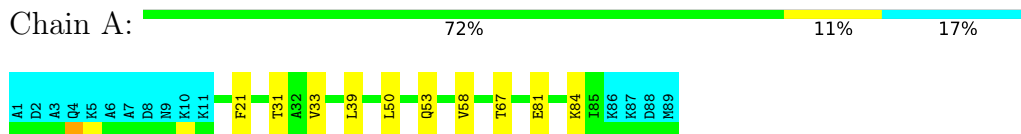


- Molecule 1: Acid stress chaperone HdeA

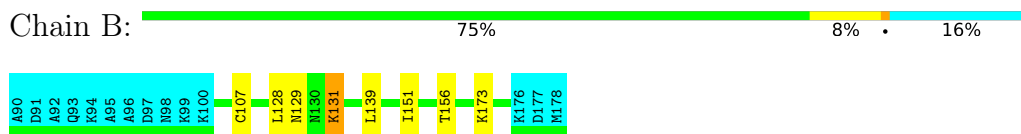


### 4.2.7 Score per residue for model 7

- Molecule 1: Acid stress chaperone HdeA

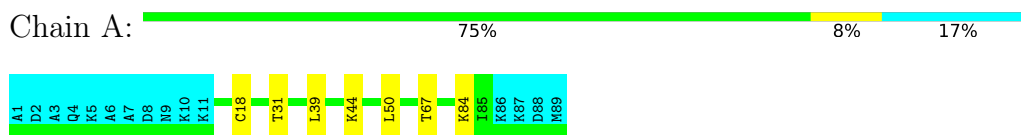


- Molecule 1: Acid stress chaperone HdeA

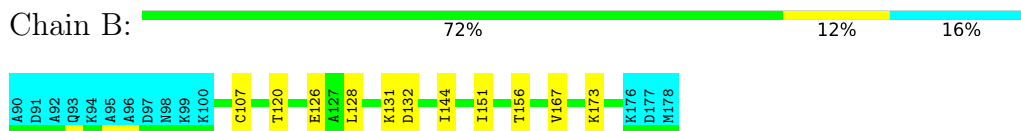


### 4.2.8 Score per residue for model 8

- Molecule 1: Acid stress chaperone HdeA

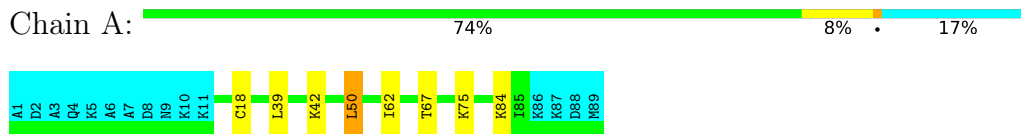


- Molecule 1: Acid stress chaperone HdeA

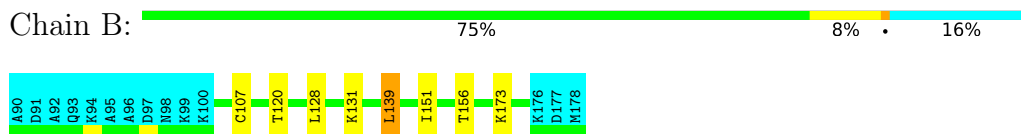


### 4.2.9 Score per residue for model 9

- Molecule 1: Acid stress chaperone HdeA

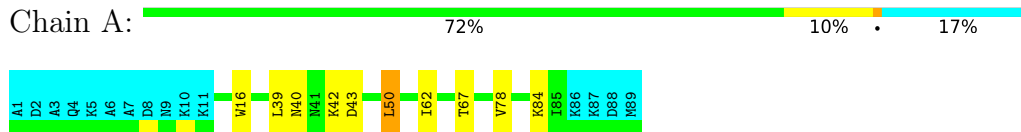


- Molecule 1: Acid stress chaperone HdeA

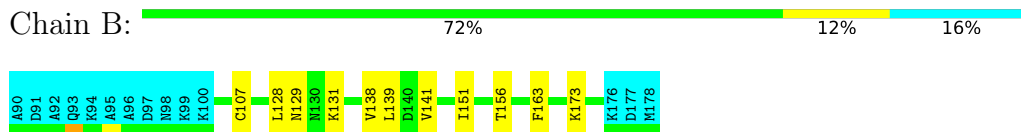


### 4.2.10 Score per residue for model 10

- Molecule 1: Acid stress chaperone HdeA



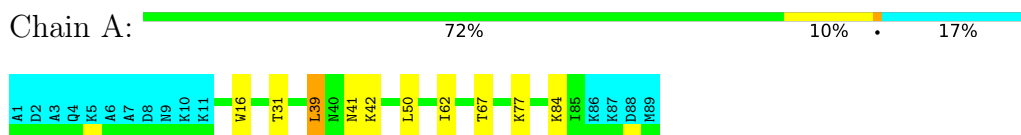
- Molecule 1: Acid stress chaperone HdeA



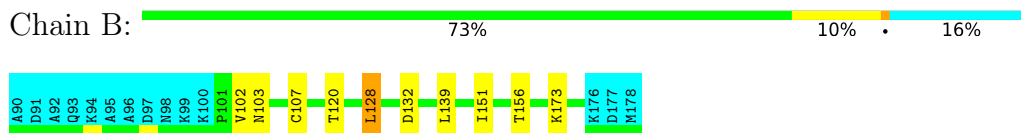


### 4.2.11 Score per residue for model 11

- Molecule 1: Acid stress chaperone HdeA

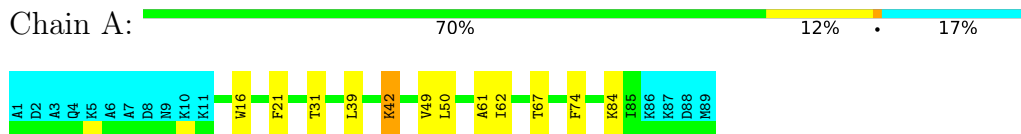


- Molecule 1: Acid stress chaperone HdeA

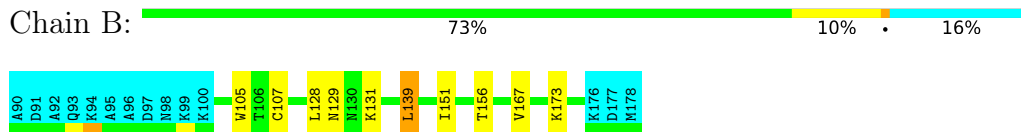


### 4.2.12 Score per residue for model 12

- Molecule 1: Acid stress chaperone HdeA

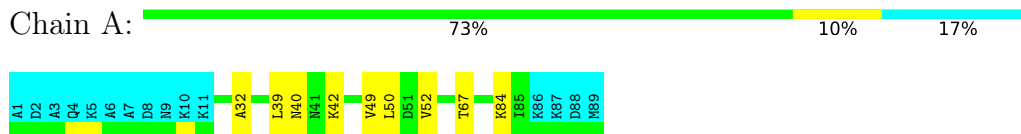


- Molecule 1: Acid stress chaperone HdeA

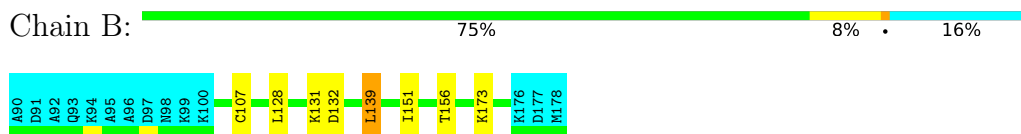


### 4.2.13 Score per residue for model 13

- Molecule 1: Acid stress chaperone HdeA



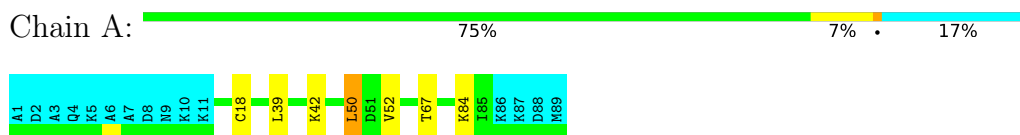
- Molecule 1: Acid stress chaperone HdeA



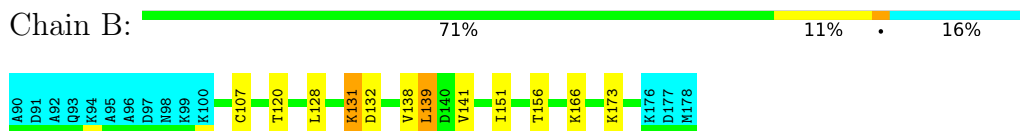


#### 4.2.17 Score per residue for model 17

- Molecule 1: Acid stress chaperone HdeA

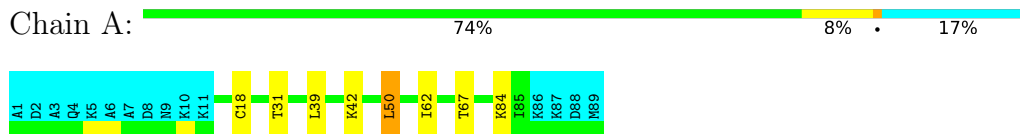


- Molecule 1: Acid stress chaperone HdeA

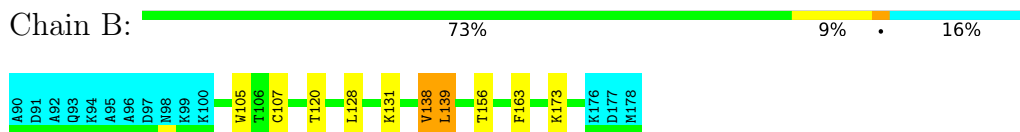


#### 4.2.18 Score per residue for model 18 (medoid)

- Molecule 1: Acid stress chaperone HdeA

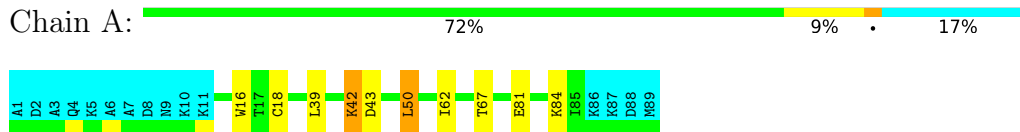


- Molecule 1: Acid stress chaperone HdeA

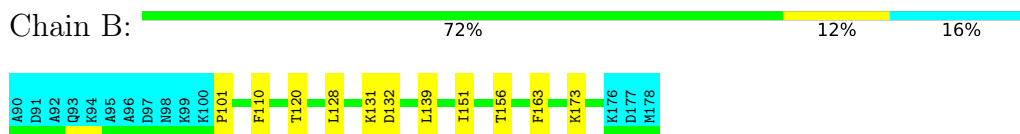


#### 4.2.19 Score per residue for model 19

- Molecule 1: Acid stress chaperone HdeA

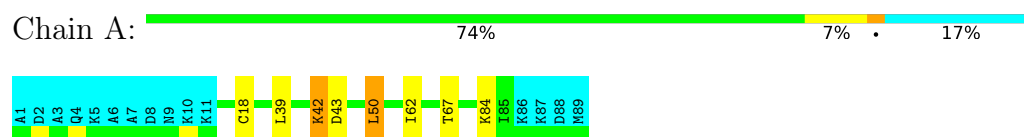


- Molecule 1: Acid stress chaperone HdeA

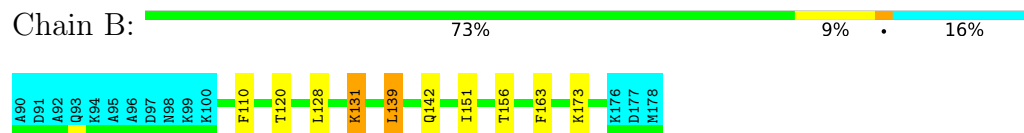


#### 4.2.20 Score per residue for model 20

- Molecule 1: Acid stress chaperone HdeA



- Molecule 1: Acid stress chaperone HdeA



## 5 Refinement protocol and experimental data overview

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

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

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

Software name	Classification	Version
Amber	refinement	
CYANA	structure calculation	

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	984
Number of shifts mapped to atoms	984
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](#)

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#Z>5	RMSZ	#Z>5
1	A	0.66±0.01	0±0/581 ( 0.0± 0.0%)	1.04±0.03	0±0/792 ( 0.0± 0.0%)
1	B	0.66±0.01	0±0/590 ( 0.0± 0.0%)	1.03±0.03	0±0/803 ( 0.0± 0.0%)
All	All	0.66	0/23420 ( 0.0%)	1.03	1/31900 ( 0.0%)

There are no bond-length outliers.

All unique angle outliers are listed below.

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
1	A	61	ALA	CB-CA-C	5.27	118.00	110.10	12	1

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	569	546	546	1±1
1	B	578	559	559	1±1
All	All	22940	22100	22100	27

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 1.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:50:LEU:HD21	1:B:120:THR:HG22	0.70	1.63	20	11
1:A:31:THR:HG22	1:B:139:LEU:HD21	0.62	1.71	3	6
1:A:32:ALA:HB2	1:B:139:LEU:HD12	0.51	1.82	13	1
1:A:33:VAL:HG21	1:A:58:VAL:HG11	0.46	1.87	7	1
1:B:110:PHE:CD1	1:B:163:PHE:CE1	0.46	3.03	14	2
1:A:31:THR:HG21	1:B:144:ILE:HD13	0.44	1.88	8	1
1:A:50:LEU:HD13	1:A:51:ASP:H	0.42	1.75	1	1
1:A:21:PHE:CD2	1:A:74:PHE:CE1	0.42	3.07	12	1
1:B:110:PHE:CD2	1:B:163:PHE:CE2	0.42	3.07	6	2
1:A:39:LEU:HD13	1:B:128:LEU:HD13	0.41	1.92	11	1

## 6.3 Torsion angles [i](#)

### 6.3.1 Protein backbone [i](#)

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	74/89 (83%)	68±2 (92±2%)	5±2 (7±2%)	1±1 (2±1%)	11	53
1	B	75/89 (84%)	67±2 (89±3%)	6±2 (8±3%)	2±1 (2±1%)	9	48
All	All	2980/3560 (84%)	2696 (90%)	221 (7%)	63 (2%)	10	50

All 14 unique Ramachandran outliers are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	B	131	LYS	10
1	B	139	LEU	10
1	A	50	LEU	10
1	B	132	ASP	10
1	A	43	ASP	7
1	A	42	LYS	7
1	B	101	PRO	2
1	A	13	VAL	1
1	B	133	LYS	1
1	A	74	PHE	1
1	A	44	LYS	1
1	A	75	LYS	1

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Mol	Chain	Res	Type	Models (Total)
1	B	163	PHE	1
1	B	102	VAL	1

### 6.3.2 Protein sidechains [i](#)

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	62/73 (85%)	55±2 (89±3%)	7±2 (11±3%)	9	53
1	B	63/73 (86%)	56±2 (89±2%)	7±2 (11±2%)	10	54
All	All	2500/2920 (86%)	2226 (89%)	274 (11%)	10	54

All 39 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	39	LEU	20
1	A	67	THR	20
1	A	84	LYS	20
1	B	128	LEU	20
1	B	156	THR	20
1	B	173	LYS	20
1	B	151	ILE	15
1	A	42	LYS	14
1	A	18	CYS	13
1	B	107	CYS	13
1	A	62	ILE	12
1	B	131	LYS	12
1	A	50	LEU	7
1	B	139	LEU	7
1	A	49	VAL	6
1	A	16	TRP	6
1	B	105	TRP	6
1	A	40	ASN	4
1	A	52	VAL	4
1	B	138	VAL	4
1	A	81	GLU	3
1	A	77	LYS	3

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Mol	Chain	Res	Type	Models (Total)
1	B	166	LYS	3
1	B	129	ASN	3
1	B	141	VAL	3
1	A	21	PHE	2
1	B	167	VAL	2
1	B	124	PHE	1
1	A	58	VAL	1
1	B	164	LYS	1
1	B	170	GLU	1
1	A	74	PHE	1
1	A	53	GLN	1
1	B	126	GLU	1
1	A	78	VAL	1
1	A	41	ASN	1
1	B	103	ASN	1
1	B	163	PHE	1
1	B	142	GLN	1

### 6.3.3 RNA [i](#)

There are no RNA molecules in this entry.

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

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

### 6.5 Carbohydrates [i](#)

There are no monosaccharides 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

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 43% for the entire structure.

### 7.1 Chemical shift list 1

File name: working\_cs.cif

Chemical shift list name: ppm.str

#### 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	984
Number of shifts mapped to atoms	984
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	1

#### 7.1.2 Chemical shift referencing [i](#)

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction $\pm$ precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	89	$-0.54 \pm 0.08$	Should be checked
$^{13}\text{C}_\beta$	86	$0.62 \pm 0.12$	Should be checked
$^{13}\text{C}'$	81	$-0.30 \pm 0.10$	None needed ( $< 0.5$ ppm)
$^{15}\text{N}$	84	$-0.56 \pm 0.28$	Should be applied

#### 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. 827 atoms were assigned a chemical shift out of a possible 1928. 0 out of 22 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	$^1\text{H}$	$^{13}\text{C}$	$^{15}\text{N}$
Backbone	359/735 (49%)	147/296 (50%)	142/298 (48%)	70/141 (50%)
Sidechain	468/1065 (44%)	315/686 (46%)	147/346 (42%)	6/33 (18%)

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	<b>Total</b>	<b><sup>1</sup>H</b>	<b><sup>13</sup>C</b>	<b><sup>15</sup>N</b>
Aromatic	0/128 (0%)	0/64 (0%)	0/60 (0%)	0/4 (0%)
Overall	827/1928 (43%)	462/1046 (44%)	289/704 (41%)	76/178 (43%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 43%, i.e. 984 atoms were assigned a chemical shift out of a possible 2300. 0 out of 22 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	<b>Total</b>	<b><sup>1</sup>H</b>	<b><sup>13</sup>C</b>	<b><sup>15</sup>N</b>
Backbone	429/880 (49%)	175/354 (49%)	170/356 (48%)	84/170 (49%)
Sidechain	555/1292 (43%)	372/828 (45%)	175/418 (42%)	8/46 (17%)
Aromatic	0/128 (0%)	0/64 (0%)	0/60 (0%)	0/4 (0%)
Overall	984/2300 (43%)	547/1246 (44%)	345/834 (41%)	92/220 (42%)

#### 7.1.4 Statistically unusual chemical shifts [i](#)

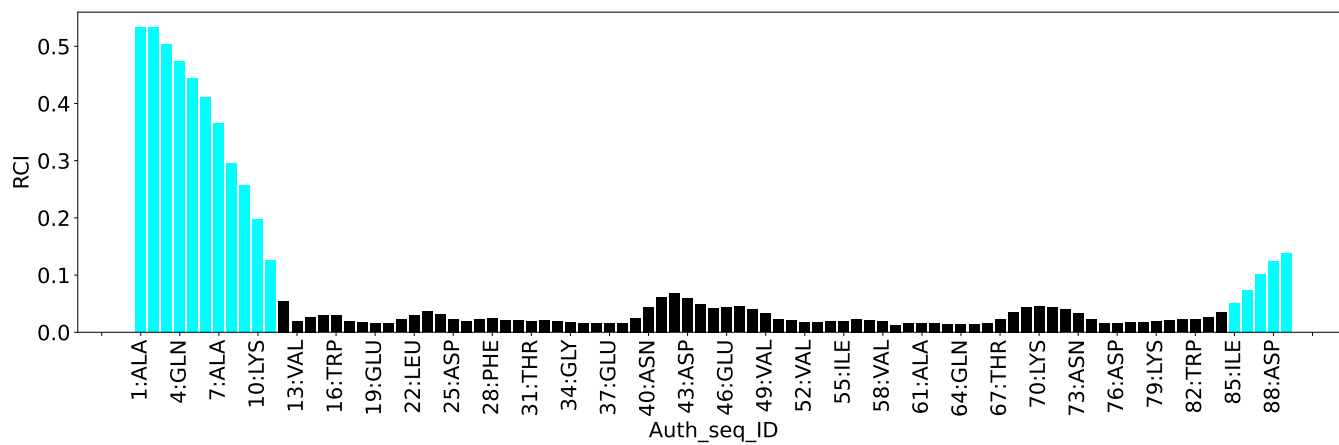
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, ppm	Expected range, ppm	Z-score
1	A	20	ASP	HB2	1.29	1.41 – 4.01	-5.5

#### 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	3380
Intra-residue ( $ i-j =0$ )	1386
Sequential ( $ i-j =1$ )	900
Medium range ( $ i-j >1$ and $ i-j <5$ )	510
Long range ( $ i-j \geq 5$ )	338
Inter-chain	246
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	0
Number of unmapped restraints	0
Number of restraints per residue	19.0
Number of long range restraints per residue <sup>1</sup>	1.9

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

### 8.2 Residual restraint violations

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

#### 8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	70.0	0.2
0.2-0.5 (Medium)	33.9	0.5
>0.5 (Large)	70.0	2.57

### 8.2.2 Average number of dihedral-angle violations per model

Dihedral-angle violations less than  $1^\circ$  are not included in the calculation. There are no dihedral-angle violations

## 9 Distance violation analysis

### 9.1 Summary of distance violations

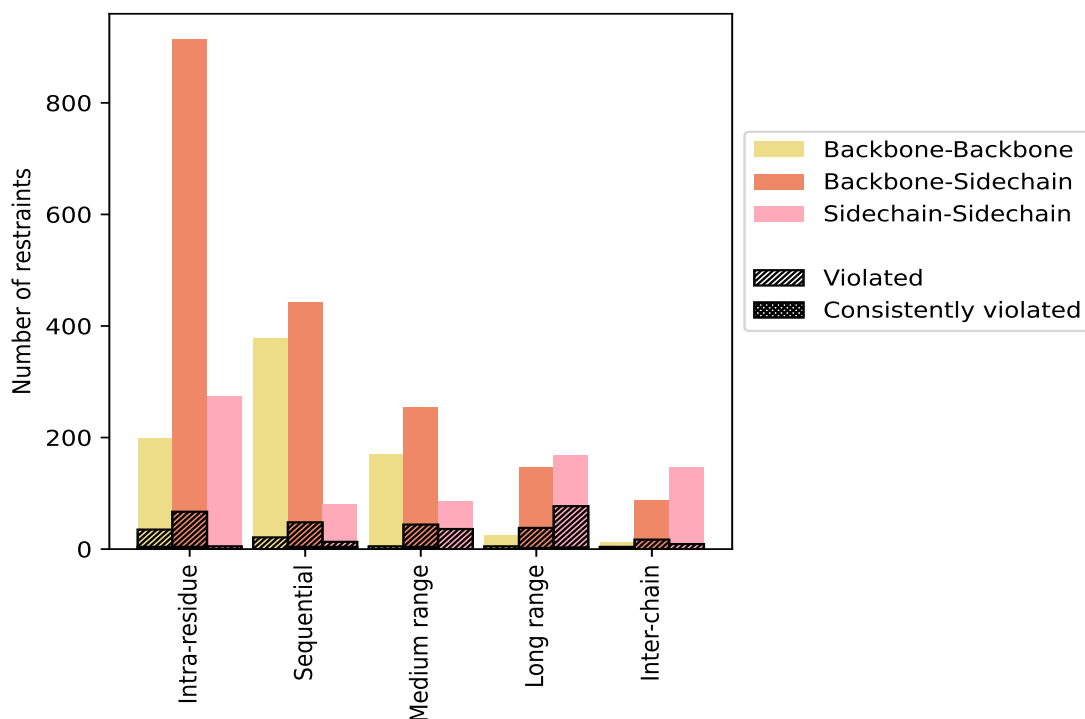
The following table shows the summary of distance violations in different restraint categories based on the sequence separation of the atoms involved. Each category is further sub-divided into three sub-categories based on the atoms involved. Violations less than 0.1 Å are not included in the statistics.

Restrains type	Count	% <sup>1</sup>	Violated <sup>3</sup>			Consistently Violated <sup>4</sup>		
			Count	% <sup>2</sup>	% <sup>1</sup>	Count	% <sup>2</sup>	% <sup>1</sup>
<b>Intra-residue (<math> i-j =0</math>)</b>	<b>1386</b>	<b>41.0</b>	<b>107</b>	<b>7.7</b>	<b>3.2</b>	<b>8</b>	<b>0.6</b>	<b>0.2</b>
Backbone-Backbone	198	5.9	35	17.7	1.0	4	2.0	0.1
Backbone-Sidechain	914	27.0	67	7.3	2.0	4	0.4	0.1
Sidechain-Sidechain	274	8.1	5	1.8	0.1	0	0.0	0.0
<b>Sequential (<math> i-j =1</math>)</b>	<b>900</b>	<b>26.6</b>	<b>82</b>	<b>9.1</b>	<b>2.4</b>	<b>8</b>	<b>0.9</b>	<b>0.2</b>
Backbone-Backbone	378	11.2	21	5.6	0.6	0	0.0	0.0
Backbone-Sidechain	442	13.1	48	10.9	1.4	4	0.9	0.1
Sidechain-Sidechain	80	2.4	13	16.2	0.4	4	5.0	0.1
<b>Medium range (<math> i-j &gt;1</math> &amp; <math> i-j &lt;5</math>)</b>	<b>510</b>	<b>15.1</b>	<b>85</b>	<b>16.7</b>	<b>2.5</b>	<b>4</b>	<b>0.8</b>	<b>0.1</b>
Backbone-Backbone	170	5.0	5	2.9	0.1	0	0.0	0.0
Backbone-Sidechain	254	7.5	44	17.3	1.3	4	1.6	0.1
Sidechain-Sidechain	86	2.5	36	41.9	1.1	0	0.0	0.0
<b>Long range (<math> i-j \geq 5</math>)</b>	<b>338</b>	<b>10.0</b>	<b>120</b>	<b>35.5</b>	<b>3.6</b>	<b>5</b>	<b>1.5</b>	<b>0.1</b>
Backbone-Backbone	24	0.7	5	20.8	0.1	0	0.0	0.0
Backbone-Sidechain	146	4.3	38	26.0	1.1	2	1.4	0.1
Sidechain-Sidechain	168	5.0	77	45.8	2.3	3	1.8	0.1
<b>Inter-chain</b>	<b>246</b>	<b>7.3</b>	<b>30</b>	<b>12.2</b>	<b>0.9</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>
Backbone-Backbone	12	0.4	4	33.3	0.1	0	0.0	0.0
Backbone-Sidechain	88	2.6	17	19.3	0.5	0	0.0	0.0
Sidechain-Sidechain	146	4.3	9	6.2	0.3	0	0.0	0.0
Hydrogen bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
<b>Total</b>	<b>3380</b>	<b>100.0</b>	<b>424</b>	<b>12.5</b>	<b>12.5</b>	<b>25</b>	<b>0.7</b>	<b>0.7</b>
Backbone-Backbone	782	23.1	70	9.0	2.1	4	0.5	0.1
Backbone-Sidechain	1844	54.6	214	11.6	6.3	14	0.8	0.4
Sidechain-Sidechain	754	22.3	140	18.6	4.1	7	0.9	0.2

<sup>1</sup> percentage calculated with respect to the total number of distance restraints, <sup>2</sup> percentage calculated with respect to the number of restraints in a particular restraint category, <sup>3</sup> violated in at least one model, <sup>4</sup> 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 <sup>6</sup> (Å)	Median (Å)
	IR <sup>1</sup>	SQ <sup>2</sup>	MR <sup>3</sup>	LR <sup>4</sup>	IC <sup>5</sup>	Total				
1	44	38	30	53	7	172	0.53	2.39	0.51	0.32
2	48	44	35	64	7	198	0.69	2.57	0.6	0.5
3	43	35	34	53	8	173	0.56	2.4	0.52	0.31
4	47	37	29	60	9	182	0.56	2.3	0.51	0.37
5	48	28	35	48	11	170	0.51	2.47	0.56	0.2
6	42	37	31	47	6	163	0.53	2.45	0.53	0.27
7	49	46	37	50	6	188	0.66	2.54	0.59	0.45
8	42	36	33	54	11	176	0.62	2.55	0.57	0.42
9	45	43	38	66	7	199	0.62	2.48	0.55	0.42
10	46	40	28	60	7	181	0.52	2.28	0.48	0.34
11	48	49	38	67	7	209	0.63	2.36	0.55	0.44

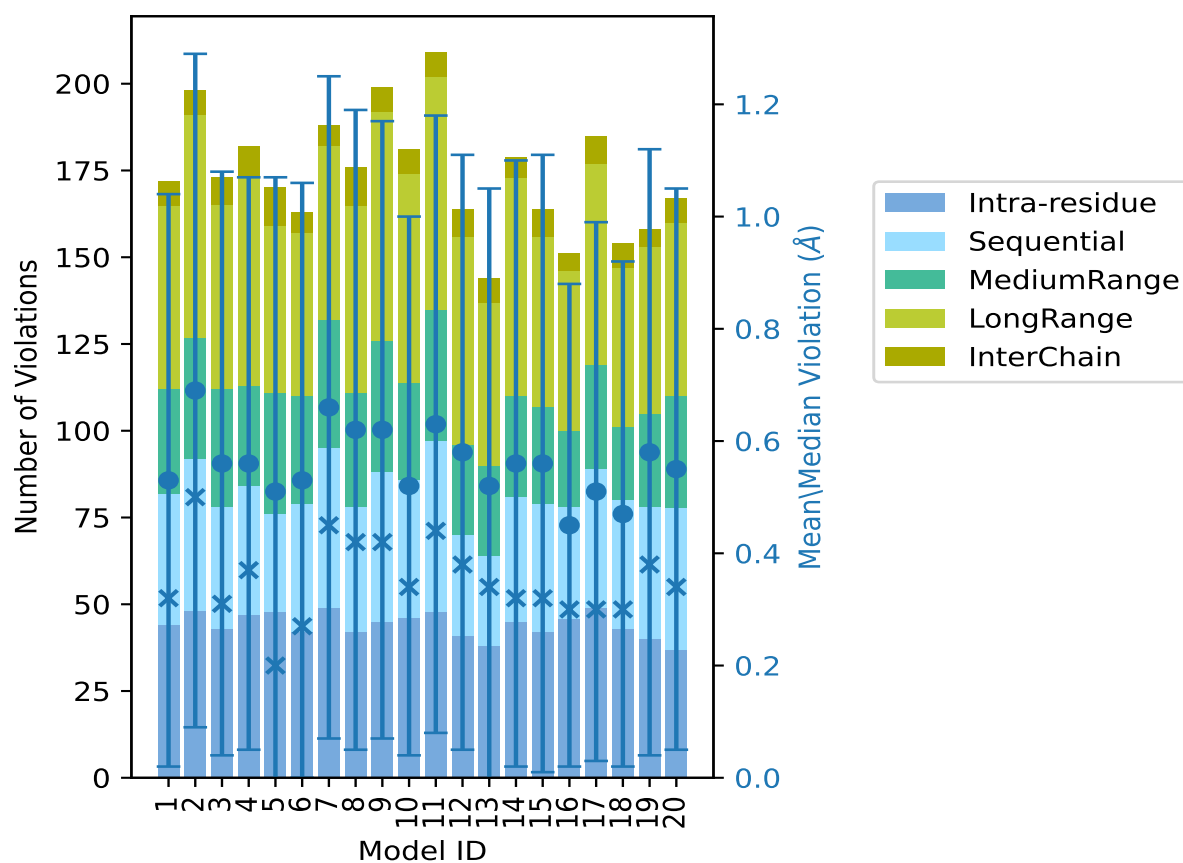
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Model ID	Number of violations					Total	Mean (Å)	Max (Å)	SD <sup>6</sup> (Å)	Median (Å)
	IR <sup>1</sup>	SQ <sup>2</sup>	MR <sup>3</sup>	LR <sup>4</sup>	IC <sup>5</sup>					
12	41	29	26	60	8	164	0.58	2.34	0.53	0.38
13	38	26	26	47	7	144	0.52	2.3	0.53	0.34
14	45	36	29	63	6	179	0.56	2.42	0.54	0.32
15	42	37	28	49	8	164	0.56	2.46	0.55	0.32
16	46	32	22	46	5	151	0.45	2.18	0.43	0.3
17	49	40	30	58	8	185	0.51	2.24	0.48	0.3
18	43	37	21	46	7	154	0.47	2.24	0.45	0.3
19	40	38	27	48	5	158	0.58	2.44	0.54	0.38
20	37	41	32	50	7	167	0.55	2.54	0.5	0.34

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

### 9.2.1 Bar graph : Distance Violation statistics for each model



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

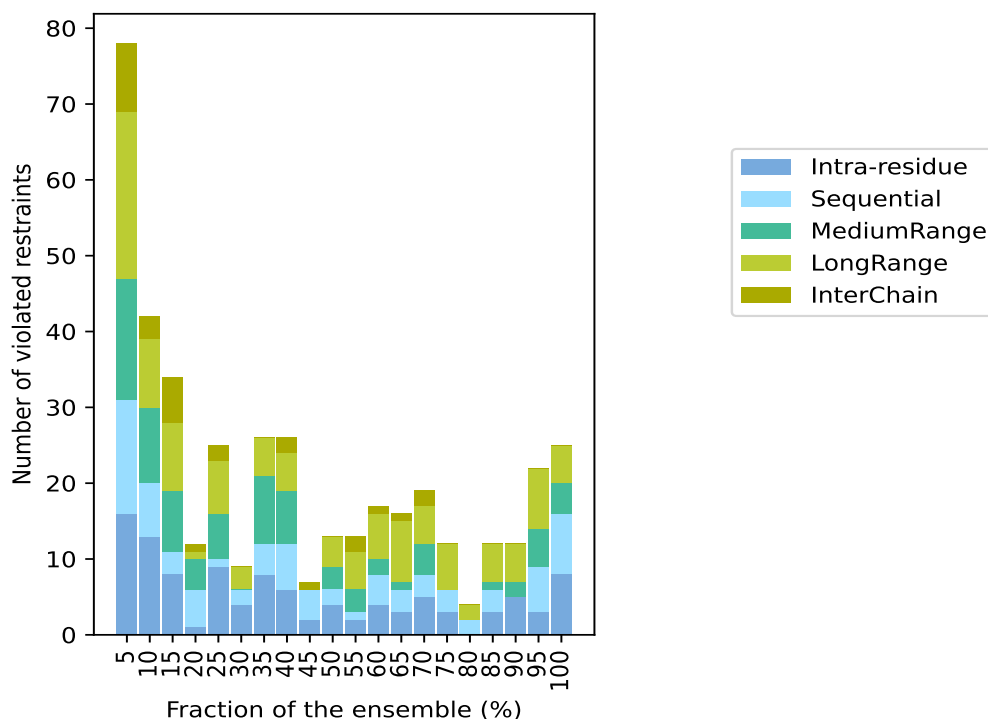
### 9.3 Distance violation statistics for the ensemble

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, 2956(IR:1279, SQ:818, MR:425, LR:218, IC:216) restraints are not violated in the ensemble.

Number of violated restraints						Fraction of the ensemble	
IR <sup>1</sup>	SQ <sup>2</sup>	MR <sup>3</sup>	LR <sup>4</sup>	IC <sup>5</sup>	Total	Count <sup>6</sup>	%
16	15	16	22	9	78	1	5.0
13	7	10	9	3	42	2	10.0
8	3	8	9	6	34	3	15.0
1	5	4	1	1	12	4	20.0
9	1	6	7	2	25	5	25.0
4	2	0	3	0	9	6	30.0
8	4	9	5	0	26	7	35.0
6	6	7	5	2	26	8	40.0
2	4	0	0	1	7	9	45.0
4	2	3	4	0	13	10	50.0
2	1	3	5	2	13	11	55.0
4	4	2	6	1	17	12	60.0
3	3	1	8	1	16	13	65.0
5	3	4	5	2	19	14	70.0
3	3	0	6	0	12	15	75.0
0	2	0	2	0	4	16	80.0
3	3	1	5	0	12	17	85.0
5	0	2	5	0	12	18	90.0
3	6	5	8	0	22	19	95.0
8	8	4	5	0	25	20	100.0

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

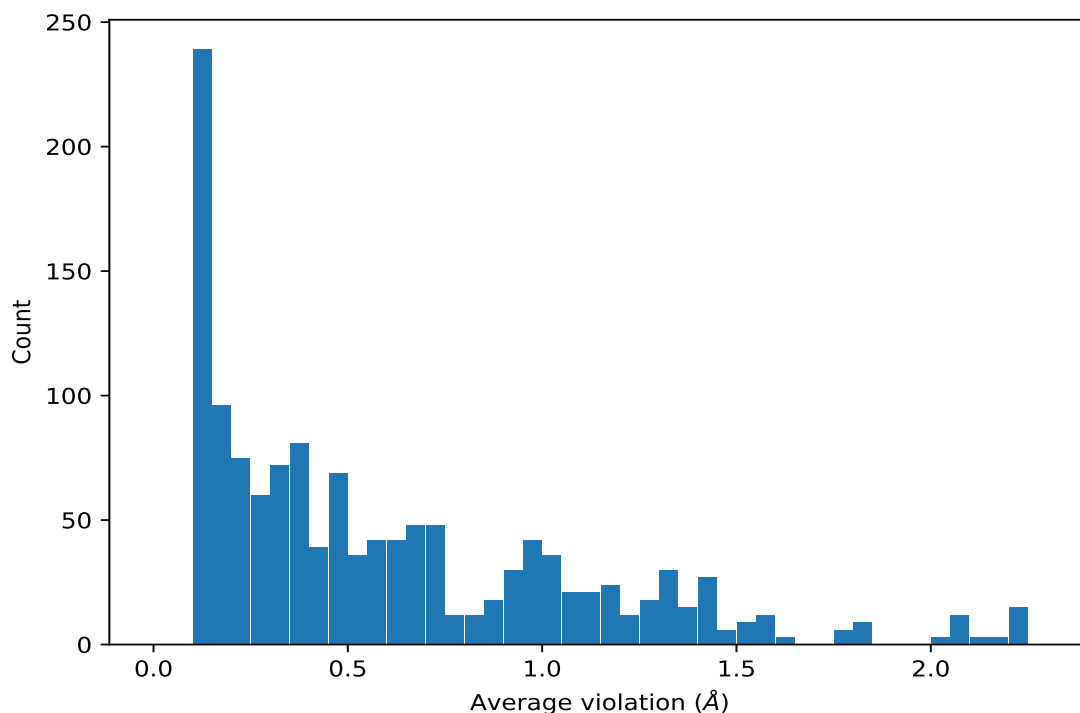
### 9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



## 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 <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB1	20	1.4	0.27	1.57
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB2	20	1.4	0.27	1.57
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB3	20	1.4	0.27	1.57
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB1	20	1.4	0.27	1.57
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB2	20	1.4	0.27	1.57
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB3	20	1.4	0.27	1.57
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB1	20	1.4	0.27	1.57
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB2	20	1.4	0.27	1.57
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB3	20	1.4	0.27	1.57
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB1	20	1.37	0.26	1.27
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB2	20	1.37	0.26	1.27
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB3	20	1.37	0.26	1.27
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB1	20	1.37	0.26	1.27
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB2	20	1.37	0.26	1.27
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB3	20	1.37	0.26	1.27
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB1	20	1.37	0.26	1.27

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB2	20	1.37	0.26	1.27
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB3	20	1.37	0.26	1.27
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG21	20	0.95	0.26	1.06
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG22	20	0.95	0.26	1.06
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG23	20	0.95	0.26	1.06
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG21	20	0.95	0.26	1.06
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG22	20	0.95	0.26	1.06
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG23	20	0.95	0.26	1.06
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG21	20	0.95	0.26	1.06
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG22	20	0.95	0.26	1.06
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG23	20	0.95	0.26	1.06
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG11	20	0.82	0.2	0.84
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG12	20	0.82	0.2	0.84
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG13	20	0.82	0.2	0.84
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA2	20	0.7	0.15	0.74
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA3	20	0.7	0.15	0.74
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA2	20	0.7	0.15	0.74
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA3	20	0.7	0.15	0.74
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA2	20	0.7	0.15	0.74
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA3	20	0.7	0.15	0.74
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD11	20	0.7	0.27	0.87
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD12	20	0.7	0.27	0.87
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD13	20	0.7	0.27	0.87
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD11	20	0.7	0.27	0.87
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD12	20	0.7	0.27	0.87
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD13	20	0.7	0.27	0.87
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD11	20	0.7	0.27	0.87
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD12	20	0.7	0.27	0.87
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD13	20	0.7	0.27	0.87
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD11	20	0.67	0.26	0.57
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD12	20	0.67	0.26	0.57
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD13	20	0.67	0.26	0.57
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD11	20	0.67	0.26	0.57
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD12	20	0.67	0.26	0.57
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD13	20	0.67	0.26	0.57
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD11	20	0.67	0.26	0.57
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD12	20	0.67	0.26	0.57
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD13	20	0.67	0.26	0.57
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA2	20	0.66	0.14	0.66
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA3	20	0.66	0.14	0.66
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA2	20	0.66	0.14	0.66
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA3	20	0.66	0.14	0.66

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA2	20	0.66	0.14	0.66
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA3	20	0.66	0.14	0.66
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD11	20	0.58	0.23	0.7
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD12	20	0.58	0.23	0.7
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD13	20	0.58	0.23	0.7
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD11	20	0.57	0.19	0.55
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD12	20	0.57	0.19	0.55
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD13	20	0.57	0.19	0.55
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG21	20	0.52	0.21	0.48
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG22	20	0.52	0.21	0.48
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG23	20	0.52	0.21	0.48
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG21	20	0.52	0.21	0.48
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG22	20	0.52	0.21	0.48
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG23	20	0.52	0.21	0.48
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG21	20	0.52	0.21	0.48
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG22	20	0.52	0.21	0.48
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG23	20	0.52	0.21	0.48
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD11	20	0.47	0.12	0.46
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD12	20	0.47	0.12	0.46
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD13	20	0.47	0.12	0.46
(1,2992)	1:B:128:LEU:HD11	1:B:128:LEU:H	20	0.47	0.12	0.46
(1,2992)	1:B:128:LEU:HD12	1:B:128:LEU:H	20	0.47	0.12	0.46
(1,2992)	1:B:128:LEU:HD13	1:B:128:LEU:H	20	0.47	0.12	0.46
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG21	20	0.45	0.1	0.45
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG22	20	0.45	0.1	0.45
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG23	20	0.45	0.1	0.45
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG21	20	0.45	0.1	0.45
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG22	20	0.45	0.1	0.45
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG23	20	0.45	0.1	0.45
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG21	20	0.45	0.1	0.45
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG22	20	0.45	0.1	0.45
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG23	20	0.45	0.1	0.45
(1,1748)	1:B:146:THR:HA	1:B:146:THR:HB	20	0.18	0.01	0.18
(1,182)	1:A:57:THR:HA	1:A:57:THR:HB	20	0.18	0.01	0.18
(1,1555)	1:A:87:LYS:HB2	1:A:84:LYS:H	20	0.17	0.01	0.17
(1,1555)	1:A:87:LYS:HB3	1:A:84:LYS:H	20	0.17	0.01	0.17
(1,233)	1:A:86:LYS:HG2	1:A:85:ILE:HA	20	0.16	0.02	0.16
(1,233)	1:A:86:LYS:HG3	1:A:85:ILE:HA	20	0.16	0.02	0.16
(1,3121)	1:B:176:LYS:HB2	1:B:173:LYS:H	20	0.16	0.02	0.16
(1,3121)	1:B:176:LYS:HB3	1:B:173:LYS:H	20	0.16	0.02	0.16
(1,1739)	1:B:119:PRO:HG2	1:B:148:THR:HA	20	0.15	0.02	0.15
(1,1739)	1:B:119:PRO:HG3	1:B:148:THR:HA	20	0.15	0.02	0.15

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1433)	1:A:15:SER:HA	1:A:15:SER:H	20	0.15	0.01	0.15
(1,2999)	1:B:104:SER:HA	1:B:104:SER:H	20	0.15	0.02	0.15
(1,2970)	1:B:156:THR:HA	1:B:156:THR:H	20	0.13	0.01	0.13
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG2	20	0.13	0.01	0.13
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG3	20	0.13	0.01	0.13
(1,1404)	1:A:67:THR:HA	1:A:67:THR:H	20	0.12	0.01	0.13
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD11	19	2.09	0.48	2.24
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD12	19	2.09	0.48	2.24
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD13	19	2.09	0.48	2.24
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD11	19	2.09	0.48	2.24
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD12	19	2.09	0.48	2.24
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD13	19	2.09	0.48	2.24
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG11	19	1.55	0.42	1.64
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG12	19	1.55	0.42	1.64
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG13	19	1.55	0.42	1.64
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG11	19	1.55	0.42	1.64
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG12	19	1.55	0.42	1.64
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG13	19	1.55	0.42	1.64
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG11	19	1.4	0.47	1.49
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG12	19	1.4	0.47	1.49
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG13	19	1.4	0.47	1.49
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG11	19	1.4	0.47	1.49
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG12	19	1.4	0.47	1.49
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG13	19	1.4	0.47	1.49
(1,408)	1:A:22:LEU:HD21	1:A:70:LYS:HE2	19	1.33	0.38	1.32
(1,408)	1:A:22:LEU:HD21	1:A:70:LYS:HE3	19	1.33	0.38	1.32
(1,408)	1:A:22:LEU:HD22	1:A:70:LYS:HE2	19	1.33	0.38	1.32
(1,408)	1:A:22:LEU:HD22	1:A:70:LYS:HE3	19	1.33	0.38	1.32
(1,408)	1:A:22:LEU:HD23	1:A:70:LYS:HE2	19	1.33	0.38	1.32
(1,408)	1:A:22:LEU:HD23	1:A:70:LYS:HE3	19	1.33	0.38	1.32
(1,280)	1:A:22:LEU:HD21	1:A:19:GLU:HA	19	1.2	0.31	1.2
(1,280)	1:A:22:LEU:HD22	1:A:19:GLU:HA	19	1.2	0.31	1.2
(1,280)	1:A:22:LEU:HD23	1:A:19:GLU:HA	19	1.2	0.31	1.2
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD21	19	1.2	0.31	1.2
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD22	19	1.2	0.31	1.2
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD23	19	1.2	0.31	1.2
(1,1858)	1:B:167:VAL:HG21	1:B:126:GLU:HA	19	1.2	0.76	1.71
(1,1858)	1:B:167:VAL:HG22	1:B:126:GLU:HA	19	1.2	0.76	1.71
(1,1858)	1:B:167:VAL:HG23	1:B:126:GLU:HA	19	1.2	0.76	1.71
(1,292)	1:A:78:VAL:HG21	1:A:37:GLU:HA	19	0.93	0.79	0.24
(1,292)	1:A:78:VAL:HG22	1:A:37:GLU:HA	19	0.93	0.79	0.24
(1,292)	1:A:78:VAL:HG23	1:A:37:GLU:HA	19	0.93	0.79	0.24

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG21	19	0.9	0.36	0.98
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG22	19	0.9	0.36	0.98
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG23	19	0.9	0.36	0.98
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG21	19	0.9	0.36	0.98
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG22	19	0.9	0.36	0.98
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG23	19	0.9	0.36	0.98
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG21	19	0.9	0.36	0.98
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG22	19	0.9	0.36	0.98
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG23	19	0.9	0.36	0.98
(1,247)	1:A:22:LEU:HD21	1:A:70:LYS:HA	19	0.74	0.22	0.72
(1,247)	1:A:22:LEU:HD22	1:A:70:LYS:HA	19	0.74	0.22	0.72
(1,247)	1:A:22:LEU:HD23	1:A:70:LYS:HA	19	0.74	0.22	0.72
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG11	19	0.61	0.22	0.59
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG12	19	0.61	0.22	0.59
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG13	19	0.61	0.22	0.59
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD11	19	0.6	0.18	0.63
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD12	19	0.6	0.18	0.63
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD13	19	0.6	0.18	0.63
(1,1499)	1:A:22:LEU:HD11	1:A:23:ALA:H	19	0.6	0.18	0.63
(1,1499)	1:A:22:LEU:HD12	1:A:23:ALA:H	19	0.6	0.18	0.63
(1,1499)	1:A:22:LEU:HD13	1:A:23:ALA:H	19	0.6	0.18	0.63
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD11	19	0.48	0.14	0.55
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD12	19	0.48	0.14	0.55
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD13	19	0.48	0.14	0.55
(1,1426)	1:A:39:LEU:HD11	1:A:39:LEU:H	19	0.48	0.14	0.55
(1,1426)	1:A:39:LEU:HD12	1:A:39:LEU:H	19	0.48	0.14	0.55
(1,1426)	1:A:39:LEU:HD13	1:A:39:LEU:H	19	0.48	0.14	0.55
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG21	19	0.46	0.13	0.45
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG22	19	0.46	0.13	0.45
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG23	19	0.46	0.13	0.45
(1,173)	1:A:30:PRO:HG2	1:A:59:THR:HA	19	0.15	0.02	0.16
(1,173)	1:A:30:PRO:HG3	1:A:59:THR:HA	19	0.15	0.02	0.16
(1,2851)	1:B:175:LYS:HG2	1:B:176:LYS:H	19	0.14	0.01	0.14
(1,2851)	1:B:175:LYS:HG3	1:B:176:LYS:H	19	0.14	0.01	0.14
(1,1304)	1:A:41:ASN:HA	1:A:41:ASN:H	19	0.13	0.02	0.14
(1,1285)	1:A:86:LYS:HG2	1:A:87:LYS:H	19	0.13	0.02	0.13
(1,1285)	1:A:86:LYS:HG3	1:A:87:LYS:H	19	0.13	0.02	0.13
(1,501)	1:A:27:SER:H	1:A:26:GLU:HG2	19	0.13	0.01	0.13
(1,501)	1:A:27:SER:H	1:A:26:GLU:HG3	19	0.13	0.01	0.13
(1,1915)	1:B:151:ILE:H	1:B:150:ALA:HA	19	0.12	0.01	0.12
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD11	18	1.5	0.3	1.52
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD12	18	1.5	0.3	1.52

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD13	18	1.5	0.3	1.52
(1,82)	1:A:22:LEU:HD11	1:A:22:LEU:HA	18	1.07	0.02	1.07
(1,82)	1:A:22:LEU:HD12	1:A:22:LEU:HA	18	1.07	0.02	1.07
(1,82)	1:A:22:LEU:HD13	1:A:22:LEU:HA	18	1.07	0.02	1.07
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD11	18	1.07	0.02	1.07
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD12	18	1.07	0.02	1.07
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD13	18	1.07	0.02	1.07
(1,1028)	1:A:22:LEU:HD21	1:A:70:LYS:HD2	18	0.95	0.4	0.96
(1,1028)	1:A:22:LEU:HD21	1:A:70:LYS:HD3	18	0.95	0.4	0.96
(1,1028)	1:A:22:LEU:HD22	1:A:70:LYS:HD2	18	0.95	0.4	0.96
(1,1028)	1:A:22:LEU:HD22	1:A:70:LYS:HD3	18	0.95	0.4	0.96
(1,1028)	1:A:22:LEU:HD23	1:A:70:LYS:HD2	18	0.95	0.4	0.96
(1,1028)	1:A:22:LEU:HD23	1:A:70:LYS:HD3	18	0.95	0.4	0.96
(1,624)	1:A:22:LEU:HD21	1:A:70:LYS:HG2	18	0.68	0.29	0.6
(1,624)	1:A:22:LEU:HD21	1:A:70:LYS:HG3	18	0.68	0.29	0.6
(1,624)	1:A:22:LEU:HD22	1:A:70:LYS:HG2	18	0.68	0.29	0.6
(1,624)	1:A:22:LEU:HD22	1:A:70:LYS:HG3	18	0.68	0.29	0.6
(1,624)	1:A:22:LEU:HD23	1:A:70:LYS:HG2	18	0.68	0.29	0.6
(1,624)	1:A:22:LEU:HD23	1:A:70:LYS:HG3	18	0.68	0.29	0.6
(1,1737)	1:B:122:VAL:HG21	1:B:147:VAL:HB	18	0.54	0.3	0.44
(1,1737)	1:B:122:VAL:HG22	1:B:147:VAL:HB	18	0.54	0.3	0.44
(1,1737)	1:B:122:VAL:HG23	1:B:147:VAL:HB	18	0.54	0.3	0.44
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG21	18	0.54	0.3	0.44
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG22	18	0.54	0.3	0.44
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG23	18	0.54	0.3	0.44
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG11	18	0.42	0.03	0.42
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG12	18	0.42	0.03	0.42
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG13	18	0.42	0.03	0.42
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG11	18	0.41	0.02	0.42
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG12	18	0.41	0.02	0.42
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG13	18	0.41	0.02	0.42
(1,2236)	1:B:128:LEU:HD11	1:B:131:LYS:HG2	18	0.29	0.17	0.22
(1,2236)	1:B:128:LEU:HD11	1:B:131:LYS:HG3	18	0.29	0.17	0.22
(1,2236)	1:B:128:LEU:HD12	1:B:131:LYS:HG2	18	0.29	0.17	0.22
(1,2236)	1:B:128:LEU:HD12	1:B:131:LYS:HG3	18	0.29	0.17	0.22
(1,2236)	1:B:128:LEU:HD13	1:B:131:LYS:HG2	18	0.29	0.17	0.22
(1,2236)	1:B:128:LEU:HD13	1:B:131:LYS:HG3	18	0.29	0.17	0.22
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG21	18	0.27	0.15	0.22
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG22	18	0.27	0.15	0.22
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG23	18	0.27	0.15	0.22
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG21	18	0.27	0.15	0.22
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG22	18	0.27	0.15	0.22

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG23	18	0.27	0.15	0.22
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG21	18	0.27	0.15	0.22
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG22	18	0.27	0.15	0.22
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG23	18	0.27	0.15	0.22
(1,1267)	1:A:61:ALA:HA	1:A:61:ALA:H	18	0.14	0.01	0.14
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG11	17	0.92	0.24	0.89
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG12	17	0.92	0.24	0.89
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG13	17	0.92	0.24	0.89
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG11	17	0.92	0.24	0.89
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG12	17	0.92	0.24	0.89
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG13	17	0.92	0.24	0.89
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG11	17	0.92	0.24	0.89
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG12	17	0.92	0.24	0.89
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG13	17	0.92	0.24	0.89
(1,58)	1:A:22:LEU:HD21	1:A:67:THR:HA	17	0.53	0.2	0.5
(1,58)	1:A:22:LEU:HD22	1:A:67:THR:HA	17	0.53	0.2	0.5
(1,58)	1:A:22:LEU:HD23	1:A:67:THR:HA	17	0.53	0.2	0.5
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD21	17	0.53	0.2	0.5
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD22	17	0.53	0.2	0.5
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD23	17	0.53	0.2	0.5
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG11	17	0.38	0.16	0.37
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG12	17	0.38	0.16	0.37
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG13	17	0.38	0.16	0.37
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG11	17	0.38	0.16	0.37
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG12	17	0.38	0.16	0.37
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG13	17	0.38	0.16	0.37
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG11	17	0.38	0.16	0.37
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG12	17	0.38	0.16	0.37
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG13	17	0.38	0.16	0.37
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB1	17	0.38	0.16	0.37
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB2	17	0.38	0.16	0.37
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB3	17	0.38	0.16	0.37
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB1	17	0.38	0.16	0.37
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB2	17	0.38	0.16	0.37
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB3	17	0.38	0.16	0.37
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB1	17	0.38	0.16	0.37
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB2	17	0.38	0.16	0.37
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB3	17	0.38	0.16	0.37
(1,670)	1:A:39:LEU:HD11	1:A:42:LYS:HG2	17	0.36	0.17	0.36
(1,670)	1:A:39:LEU:HD11	1:A:42:LYS:HG3	17	0.36	0.17	0.36
(1,670)	1:A:39:LEU:HD12	1:A:42:LYS:HG2	17	0.36	0.17	0.36
(1,670)	1:A:39:LEU:HD12	1:A:42:LYS:HG3	17	0.36	0.17	0.36

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,670)	1:A:39:LEU:HD13	1:A:42:LYS:HG2	17	0.36	0.17	0.36
(1,670)	1:A:39:LEU:HD13	1:A:42:LYS:HG3	17	0.36	0.17	0.36
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD11	17	0.33	0.12	0.36
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD12	17	0.33	0.12	0.36
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD13	17	0.33	0.12	0.36
(1,1275)	1:A:43:ASP:H	1:A:42:LYS:H	17	0.21	0.07	0.19
(1,1376)	1:A:42:LYS:H	1:A:43:ASP:H	17	0.21	0.07	0.19
(1,1799)	1:B:175:LYS:HG2	1:B:174:ILE:HA	17	0.15	0.02	0.15
(1,1799)	1:B:175:LYS:HG3	1:B:174:ILE:HA	17	0.15	0.02	0.15
(1,2870)	1:B:130:ASN:HA	1:B:130:ASN:H	17	0.12	0.01	0.13
(1,1276)	1:A:64:GLN:HA	1:A:64:GLN:H	17	0.12	0.01	0.11
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD11	16	0.54	0.17	0.56
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD12	16	0.54	0.17	0.56
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD13	16	0.54	0.17	0.56
(1,3065)	1:B:111:LEU:HD11	1:B:112:ALA:H	16	0.54	0.17	0.56
(1,3065)	1:B:111:LEU:HD12	1:B:112:ALA:H	16	0.54	0.17	0.56
(1,3065)	1:B:111:LEU:HD13	1:B:112:ALA:H	16	0.54	0.17	0.56
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG21	16	0.26	0.1	0.28
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG22	16	0.26	0.1	0.28
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG23	16	0.26	0.1	0.28
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG21	16	0.26	0.1	0.28
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG22	16	0.26	0.1	0.28
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG23	16	0.26	0.1	0.28
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG21	16	0.26	0.1	0.28
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG22	16	0.26	0.1	0.28
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG23	16	0.26	0.1	0.28
(1,2646)	1:B:110:PHE:H	1:B:159:LYS:HA	16	0.17	0.03	0.16
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD11	15	2.05	0.54	2.23
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD12	15	2.05	0.54	2.23
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD13	15	2.05	0.54	2.23
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD11	15	2.05	0.54	2.23
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD12	15	2.05	0.54	2.23
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD13	15	2.05	0.54	2.23
(1,1813)	1:B:111:LEU:HD21	1:B:159:LYS:HA	15	0.78	0.3	0.69
(1,1813)	1:B:111:LEU:HD22	1:B:159:LYS:HA	15	0.78	0.3	0.69
(1,1813)	1:B:111:LEU:HD23	1:B:159:LYS:HA	15	0.78	0.3	0.69
(1,171)	1:A:33:VAL:HG21	1:A:58:VAL:HB	15	0.58	0.4	0.32
(1,171)	1:A:33:VAL:HG22	1:A:58:VAL:HB	15	0.58	0.4	0.32
(1,171)	1:A:33:VAL:HG23	1:A:58:VAL:HB	15	0.58	0.4	0.32
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG21	15	0.58	0.4	0.32
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG22	15	0.58	0.4	0.32
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG23	15	0.58	0.4	0.32

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG21	15	0.57	0.24	0.54
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG22	15	0.57	0.24	0.54
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG23	15	0.57	0.24	0.54
(1,2953)	1:B:167:VAL:HG21	1:B:126:GLU:H	15	0.57	0.24	0.54
(1,2953)	1:B:167:VAL:HG22	1:B:126:GLU:H	15	0.57	0.24	0.54
(1,2953)	1:B:167:VAL:HG23	1:B:126:GLU:H	15	0.57	0.24	0.54
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD11	15	0.28	0.08	0.29
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD12	15	0.28	0.08	0.29
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD13	15	0.28	0.08	0.29
(1,2841)	1:B:132:ASP:H	1:B:131:LYS:H	15	0.15	0.03	0.15
(1,2942)	1:B:131:LYS:H	1:B:132:ASP:H	15	0.15	0.03	0.15
(1,349)	1:A:62:ILE:H	1:A:61:ALA:HA	15	0.12	0.01	0.12
(1,1798)	1:B:174:ILE:HD11	1:B:174:ILE:HA	15	0.12	0.0	0.12
(1,1798)	1:B:174:ILE:HD12	1:B:174:ILE:HA	15	0.12	0.0	0.12
(1,1798)	1:B:174:ILE:HD13	1:B:174:ILE:HA	15	0.12	0.0	0.12
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD11	15	0.12	0.0	0.12
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD12	15	0.12	0.0	0.12
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD13	15	0.12	0.0	0.12
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD11	14	1.43	0.4	1.44
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD12	14	1.43	0.4	1.44
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD13	14	1.43	0.4	1.44
(1,1974)	1:B:111:LEU:HD21	1:B:159:LYS:HE2	14	1.41	0.21	1.4
(1,1974)	1:B:111:LEU:HD21	1:B:159:LYS:HE3	14	1.41	0.21	1.4
(1,1974)	1:B:111:LEU:HD22	1:B:159:LYS:HE2	14	1.41	0.21	1.4
(1,1974)	1:B:111:LEU:HD22	1:B:159:LYS:HE3	14	1.41	0.21	1.4
(1,1974)	1:B:111:LEU:HD23	1:B:159:LYS:HE2	14	1.41	0.21	1.4
(1,1974)	1:B:111:LEU:HD23	1:B:159:LYS:HE3	14	1.41	0.21	1.4
(1,1846)	1:B:111:LEU:HD21	1:B:108:GLU:HA	14	1.26	0.26	1.14
(1,1846)	1:B:111:LEU:HD22	1:B:108:GLU:HA	14	1.26	0.26	1.14
(1,1846)	1:B:111:LEU:HD23	1:B:108:GLU:HA	14	1.26	0.26	1.14
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD21	14	1.26	0.26	1.14
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD22	14	1.26	0.26	1.14
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD23	14	1.26	0.26	1.14
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG11	14	1.25	0.17	1.24
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG12	14	1.25	0.17	1.24
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG13	14	1.25	0.17	1.24
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG11	14	1.25	0.17	1.24
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG12	14	1.25	0.17	1.24
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG13	14	1.25	0.17	1.24
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG11	14	1.25	0.17	1.24
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG12	14	1.25	0.17	1.24
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG13	14	1.25	0.17	1.24

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG11	14	1.13	0.29	1.22
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG12	14	1.13	0.29	1.22
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG13	14	1.13	0.29	1.22
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG11	14	1.13	0.29	1.22
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG12	14	1.13	0.29	1.22
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG13	14	1.13	0.29	1.22
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG11	14	1.13	0.29	1.22
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG12	14	1.13	0.29	1.22
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG13	14	1.13	0.29	1.22
(1,1648)	1:B:111:LEU:HD11	1:B:111:LEU:HA	14	1.06	0.02	1.06
(1,1648)	1:B:111:LEU:HD12	1:B:111:LEU:HA	14	1.06	0.02	1.06
(1,1648)	1:B:111:LEU:HD13	1:B:111:LEU:HA	14	1.06	0.02	1.06
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD11	14	1.06	0.02	1.06
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD12	14	1.06	0.02	1.06
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD13	14	1.06	0.02	1.06
(1,2594)	1:B:111:LEU:HD21	1:B:159:LYS:HD2	14	1.03	0.25	0.98
(1,2594)	1:B:111:LEU:HD21	1:B:159:LYS:HD3	14	1.03	0.25	0.98
(1,2594)	1:B:111:LEU:HD22	1:B:159:LYS:HD2	14	1.03	0.25	0.98
(1,2594)	1:B:111:LEU:HD22	1:B:159:LYS:HD3	14	1.03	0.25	0.98
(1,2594)	1:B:111:LEU:HD23	1:B:159:LYS:HD2	14	1.03	0.25	0.98
(1,2594)	1:B:111:LEU:HD23	1:B:159:LYS:HD3	14	1.03	0.25	0.98
(1,1850)	1:B:152:VAL:HG21	1:B:153:GLN:HA	14	1.02	0.01	1.02
(1,1850)	1:B:152:VAL:HG22	1:B:153:GLN:HA	14	1.02	0.01	1.02
(1,1850)	1:B:152:VAL:HG23	1:B:153:GLN:HA	14	1.02	0.01	1.02
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG11	14	1.01	0.27	1.06
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG12	14	1.01	0.27	1.06
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG13	14	1.01	0.27	1.06
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG11	14	1.01	0.27	1.06
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG12	14	1.01	0.27	1.06
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG13	14	1.01	0.27	1.06
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG11	14	0.95	0.01	0.94
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG12	14	0.95	0.01	0.94
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG13	14	0.95	0.01	0.94
(1,2190)	1:B:111:LEU:HD21	1:B:159:LYS:HG2	14	0.68	0.35	0.55
(1,2190)	1:B:111:LEU:HD21	1:B:159:LYS:HG3	14	0.68	0.35	0.55
(1,2190)	1:B:111:LEU:HD22	1:B:159:LYS:HG2	14	0.68	0.35	0.55
(1,2190)	1:B:111:LEU:HD22	1:B:159:LYS:HG3	14	0.68	0.35	0.55
(1,2190)	1:B:111:LEU:HD23	1:B:159:LYS:HG2	14	0.68	0.35	0.55
(1,2190)	1:B:111:LEU:HD23	1:B:159:LYS:HG3	14	0.68	0.35	0.55
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG21	14	0.52	0.02	0.51
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG22	14	0.52	0.02	0.51
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG23	14	0.52	0.02	0.51

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2518)	1:B:152:VAL:HG21	1:B:153:GLN:HG2	14	0.24	0.07	0.26
(1,2518)	1:B:152:VAL:HG21	1:B:153:GLN:HG3	14	0.24	0.07	0.26
(1,2518)	1:B:152:VAL:HG22	1:B:153:GLN:HG2	14	0.24	0.07	0.26
(1,2518)	1:B:152:VAL:HG22	1:B:153:GLN:HG3	14	0.24	0.07	0.26
(1,2518)	1:B:152:VAL:HG23	1:B:153:GLN:HG2	14	0.24	0.07	0.26
(1,2518)	1:B:152:VAL:HG23	1:B:153:GLN:HG3	14	0.24	0.07	0.26
(2,3)	1:A:3:ALA:H	1:B:143:GLY:HA2	14	0.16	0.05	0.15
(2,3)	1:A:3:ALA:H	1:B:143:GLY:HA3	14	0.16	0.05	0.15
(1,3220)	1:A:50:LEU:HG	1:B:120:THR:H	14	0.12	0.01	0.12
(1,2143)	1:B:102:VAL:H	1:B:102:VAL:HB	14	0.12	0.01	0.12
(1,2989)	1:B:128:LEU:HA	1:B:128:LEU:H	14	0.12	0.01	0.12
(1,2606)	1:B:167:VAL:HG11	1:B:163:PHE:HA	13	1.32	0.5	1.28
(1,2606)	1:B:167:VAL:HG12	1:B:163:PHE:HA	13	1.32	0.5	1.28
(1,2606)	1:B:167:VAL:HG13	1:B:163:PHE:HA	13	1.32	0.5	1.28
(1,420)	1:A:24:VAL:HG21	1:A:25:ASP:HB2	13	1.17	0.89	1.87
(1,420)	1:A:24:VAL:HG21	1:A:25:ASP:HB3	13	1.17	0.89	1.87
(1,420)	1:A:24:VAL:HG22	1:A:25:ASP:HB2	13	1.17	0.89	1.87
(1,420)	1:A:24:VAL:HG22	1:A:25:ASP:HB3	13	1.17	0.89	1.87
(1,420)	1:A:24:VAL:HG23	1:A:25:ASP:HB2	13	1.17	0.89	1.87
(1,420)	1:A:24:VAL:HG23	1:A:25:ASP:HB3	13	1.17	0.89	1.87
(1,284)	1:A:63:VAL:HG21	1:A:64:GLN:HA	13	1.01	0.03	1.0
(1,284)	1:A:63:VAL:HG22	1:A:64:GLN:HA	13	1.01	0.03	1.0
(1,284)	1:A:63:VAL:HG23	1:A:64:GLN:HA	13	1.01	0.03	1.0
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG11	13	1.0	0.27	0.96
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG12	13	1.0	0.27	0.96
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG13	13	1.0	0.27	0.96
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG11	13	1.0	0.27	0.96
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG12	13	1.0	0.27	0.96
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG13	13	1.0	0.27	0.96
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG11	13	0.95	0.01	0.95
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG12	13	0.95	0.01	0.95
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG13	13	0.95	0.01	0.95
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG11	13	0.61	0.16	0.54
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG12	13	0.61	0.16	0.54
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG13	13	0.61	0.16	0.54
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG11	13	0.61	0.16	0.54
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG12	13	0.61	0.16	0.54
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG13	13	0.61	0.16	0.54
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG11	13	0.61	0.16	0.54
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG12	13	0.61	0.16	0.54
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG13	13	0.61	0.16	0.54
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG21	13	0.55	0.27	0.58

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG22	13	0.55	0.27	0.58
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG23	13	0.55	0.27	0.58
(1,1387)	1:A:78:VAL:HG21	1:A:37:GLU:H	13	0.55	0.27	0.58
(1,1387)	1:A:78:VAL:HG22	1:A:37:GLU:H	13	0.55	0.27	0.58
(1,1387)	1:A:78:VAL:HG23	1:A:37:GLU:H	13	0.55	0.27	0.58
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG21	13	0.52	0.03	0.53
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG22	13	0.52	0.03	0.53
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG23	13	0.52	0.03	0.53
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG11	13	0.3	0.11	0.27
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG12	13	0.3	0.11	0.27
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG13	13	0.3	0.11	0.27
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG11	13	0.3	0.11	0.27
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG12	13	0.3	0.11	0.27
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG13	13	0.3	0.11	0.27
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG11	13	0.3	0.11	0.27
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG12	13	0.3	0.11	0.27
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG13	13	0.3	0.11	0.27
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB1	13	0.3	0.11	0.27
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB2	13	0.3	0.11	0.27
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB3	13	0.3	0.11	0.27
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB1	13	0.3	0.11	0.27
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB2	13	0.3	0.11	0.27
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB3	13	0.3	0.11	0.27
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB1	13	0.3	0.11	0.27
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB2	13	0.3	0.11	0.27
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB3	13	0.3	0.11	0.27
(1,2023)	1:B:151:ILE:H	1:B:151:ILE:HB	13	0.16	0.02	0.17
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG21	13	0.14	0.02	0.13
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG22	13	0.14	0.02	0.13
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG23	13	0.14	0.02	0.13
(1,497)	1:A:61:ALA:HA	1:A:81:GLU:HG2	13	0.13	0.02	0.12
(1,497)	1:A:61:ALA:HA	1:A:81:GLU:HG3	13	0.13	0.02	0.12
(1,2063)	1:B:150:ALA:HA	1:B:170:GLU:HG2	13	0.12	0.01	0.12
(1,2063)	1:B:150:ALA:HA	1:B:170:GLU:HG3	13	0.12	0.01	0.12
(1,1437)	1:A:31:THR:HA	1:A:31:THR:H	13	0.11	0.0	0.11
(1,3115)	1:B:167:VAL:HG11	1:B:166:LYS:H	12	1.47	0.05	1.48
(1,3115)	1:B:167:VAL:HG12	1:B:166:LYS:H	12	1.47	0.05	1.48
(1,3115)	1:B:167:VAL:HG13	1:B:166:LYS:H	12	1.47	0.05	1.48
(1,2527)	1:B:140:ASP:H	1:B:139:LEU:HD11	12	1.2	0.87	1.88
(1,2527)	1:B:140:ASP:H	1:B:139:LEU:HD12	12	1.2	0.87	1.88
(1,2527)	1:B:140:ASP:H	1:B:139:LEU:HD13	12	1.2	0.87	1.88
(1,2308)	1:B:168:LYS:HA	1:B:167:VAL:HG21	12	1.07	0.04	1.07

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2308)	1:B:168:LYS:HA	1:B:167:VAL:HG22	12	1.07	0.04	1.07
(1,2308)	1:B:168:LYS:HA	1:B:167:VAL:HG23	12	1.07	0.04	1.07
(1,1577)	1:B:167:VAL:H	1:B:167:VAL:HG11	12	1.05	0.02	1.06
(1,1577)	1:B:167:VAL:H	1:B:167:VAL:HG12	12	1.05	0.02	1.06
(1,1577)	1:B:167:VAL:H	1:B:167:VAL:HG13	12	1.05	0.02	1.06
(1,2849)	1:B:167:VAL:HG11	1:B:167:VAL:H	12	1.05	0.02	1.06
(1,2849)	1:B:167:VAL:HG12	1:B:167:VAL:H	12	1.05	0.02	1.06
(1,2849)	1:B:167:VAL:HG13	1:B:167:VAL:H	12	1.05	0.02	1.06
(1,1734)	1:B:144:ILE:HD11	1:B:139:LEU:HD11	12	0.91	0.58	1.14
(1,1734)	1:B:144:ILE:HD11	1:B:139:LEU:HD12	12	0.91	0.58	1.14
(1,1734)	1:B:144:ILE:HD11	1:B:139:LEU:HD13	12	0.91	0.58	1.14
(1,1734)	1:B:144:ILE:HD12	1:B:139:LEU:HD11	12	0.91	0.58	1.14
(1,1734)	1:B:144:ILE:HD12	1:B:139:LEU:HD12	12	0.91	0.58	1.14
(1,1734)	1:B:144:ILE:HD12	1:B:139:LEU:HD13	12	0.91	0.58	1.14
(1,1734)	1:B:144:ILE:HD13	1:B:139:LEU:HD11	12	0.91	0.58	1.14
(1,1734)	1:B:144:ILE:HD13	1:B:139:LEU:HD12	12	0.91	0.58	1.14
(1,1734)	1:B:144:ILE:HD13	1:B:139:LEU:HD13	12	0.91	0.58	1.14
(1,168)	1:A:55:ILE:HD11	1:A:50:LEU:HD11	12	0.77	0.5	0.77
(1,168)	1:A:55:ILE:HD11	1:A:50:LEU:HD12	12	0.77	0.5	0.77
(1,168)	1:A:55:ILE:HD11	1:A:50:LEU:HD13	12	0.77	0.5	0.77
(1,168)	1:A:55:ILE:HD12	1:A:50:LEU:HD11	12	0.77	0.5	0.77
(1,168)	1:A:55:ILE:HD12	1:A:50:LEU:HD12	12	0.77	0.5	0.77
(1,168)	1:A:55:ILE:HD12	1:A:50:LEU:HD13	12	0.77	0.5	0.77
(1,168)	1:A:55:ILE:HD13	1:A:50:LEU:HD11	12	0.77	0.5	0.77
(1,168)	1:A:55:ILE:HD13	1:A:50:LEU:HD12	12	0.77	0.5	0.77
(1,168)	1:A:55:ILE:HD13	1:A:50:LEU:HD13	12	0.77	0.5	0.77
(1,1624)	1:B:111:LEU:HD21	1:B:156:THR:HA	12	0.63	0.34	0.48
(1,1624)	1:B:111:LEU:HD22	1:B:156:THR:HA	12	0.63	0.34	0.48
(1,1624)	1:B:111:LEU:HD23	1:B:156:THR:HA	12	0.63	0.34	0.48
(1,1671)	1:B:156:THR:HA	1:B:111:LEU:HD21	12	0.63	0.34	0.48
(1,1671)	1:B:156:THR:HA	1:B:111:LEU:HD22	12	0.63	0.34	0.48
(1,1671)	1:B:156:THR:HA	1:B:111:LEU:HD23	12	0.63	0.34	0.48
(1,2264)	1:B:118:GLN:HG2	1:B:152:VAL:HG11	12	0.59	0.17	0.6
(1,2264)	1:B:118:GLN:HG2	1:B:152:VAL:HG12	12	0.59	0.17	0.6
(1,2264)	1:B:118:GLN:HG2	1:B:152:VAL:HG13	12	0.59	0.17	0.6
(1,2264)	1:B:118:GLN:HG3	1:B:152:VAL:HG11	12	0.59	0.17	0.6
(1,2264)	1:B:118:GLN:HG3	1:B:152:VAL:HG12	12	0.59	0.17	0.6
(1,2264)	1:B:118:GLN:HG3	1:B:152:VAL:HG13	12	0.59	0.17	0.6
(1,993)	1:A:61:ALA:HB1	1:A:58:VAL:HG21	12	0.57	0.24	0.68
(1,993)	1:A:61:ALA:HB1	1:A:58:VAL:HG22	12	0.57	0.24	0.68
(1,993)	1:A:61:ALA:HB1	1:A:58:VAL:HG23	12	0.57	0.24	0.68
(1,993)	1:A:61:ALA:HB2	1:A:58:VAL:HG21	12	0.57	0.24	0.68

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,993)	1:A:61:ALA:HB2	1:A:58:VAL:HG22	12	0.57	0.24	0.68
(1,993)	1:A:61:ALA:HB2	1:A:58:VAL:HG23	12	0.57	0.24	0.68
(1,993)	1:A:61:ALA:HB3	1:A:58:VAL:HG21	12	0.57	0.24	0.68
(1,993)	1:A:61:ALA:HB3	1:A:58:VAL:HG22	12	0.57	0.24	0.68
(1,993)	1:A:61:ALA:HB3	1:A:58:VAL:HG23	12	0.57	0.24	0.68
(1,1023)	1:A:22:LEU:HD21	1:A:70:LYS:HB2	12	0.42	0.25	0.34
(1,1023)	1:A:22:LEU:HD21	1:A:70:LYS:HB3	12	0.42	0.25	0.34
(1,1023)	1:A:22:LEU:HD22	1:A:70:LYS:HB2	12	0.42	0.25	0.34
(1,1023)	1:A:22:LEU:HD22	1:A:70:LYS:HB3	12	0.42	0.25	0.34
(1,1023)	1:A:22:LEU:HD23	1:A:70:LYS:HB2	12	0.42	0.25	0.34
(1,1023)	1:A:22:LEU:HD23	1:A:70:LYS:HB3	12	0.42	0.25	0.34
(1,2309)	1:B:168:LYS:H	1:B:167:VAL:HG21	12	0.42	0.08	0.43
(1,2309)	1:B:168:LYS:H	1:B:167:VAL:HG22	12	0.42	0.08	0.43
(1,2309)	1:B:168:LYS:H	1:B:167:VAL:HG23	12	0.42	0.08	0.43
(2,13)	1:B:128:LEU:HG	1:A:39:LEU:HB2	12	0.2	0.03	0.2
(2,13)	1:B:128:LEU:HG	1:A:39:LEU:HB3	12	0.2	0.03	0.2
(1,2546)	1:B:152:VAL:H	1:B:154:ALA:HB1	12	0.13	0.02	0.12
(1,2546)	1:B:152:VAL:H	1:B:154:ALA:HB2	12	0.13	0.02	0.12
(1,2546)	1:B:152:VAL:H	1:B:154:ALA:HB3	12	0.13	0.02	0.12
(1,1186)	1:A:48:ALA:HA	1:A:48:ALA:H	12	0.13	0.01	0.13
(1,1445)	1:A:71:GLN:HA	1:A:71:GLN:H	12	0.11	0.0	0.11
(1,1040)	1:A:78:VAL:HG11	1:A:74:PHE:HA	11	1.26	0.65	1.17
(1,1040)	1:A:78:VAL:HG12	1:A:74:PHE:HA	11	1.26	0.65	1.17
(1,1040)	1:A:78:VAL:HG13	1:A:74:PHE:HA	11	1.26	0.65	1.17
(1,1730)	1:B:167:VAL:HG11	1:B:151:ILE:HG21	11	0.98	0.39	0.85
(1,1730)	1:B:167:VAL:HG11	1:B:151:ILE:HG22	11	0.98	0.39	0.85
(1,1730)	1:B:167:VAL:HG11	1:B:151:ILE:HG23	11	0.98	0.39	0.85
(1,1730)	1:B:167:VAL:HG12	1:B:151:ILE:HG21	11	0.98	0.39	0.85
(1,1730)	1:B:167:VAL:HG12	1:B:151:ILE:HG22	11	0.98	0.39	0.85
(1,1730)	1:B:167:VAL:HG12	1:B:151:ILE:HG23	11	0.98	0.39	0.85
(1,1730)	1:B:167:VAL:HG13	1:B:151:ILE:HG21	11	0.98	0.39	0.85
(1,1730)	1:B:167:VAL:HG13	1:B:151:ILE:HG22	11	0.98	0.39	0.85
(1,1730)	1:B:167:VAL:HG13	1:B:151:ILE:HG23	11	0.98	0.39	0.85
(1,117)	1:A:55:ILE:HA	1:A:58:VAL:HG21	11	0.63	0.33	0.56
(1,117)	1:A:55:ILE:HA	1:A:58:VAL:HG22	11	0.63	0.33	0.56
(1,117)	1:A:55:ILE:HA	1:A:58:VAL:HG23	11	0.63	0.33	0.56
(1,2245)	1:B:102:VAL:HG21	1:B:167:VAL:HG11	11	0.47	0.26	0.4
(1,2245)	1:B:102:VAL:HG21	1:B:167:VAL:HG12	11	0.47	0.26	0.4
(1,2245)	1:B:102:VAL:HG21	1:B:167:VAL:HG13	11	0.47	0.26	0.4
(1,2245)	1:B:102:VAL:HG22	1:B:167:VAL:HG11	11	0.47	0.26	0.4
(1,2245)	1:B:102:VAL:HG22	1:B:167:VAL:HG12	11	0.47	0.26	0.4
(1,2245)	1:B:102:VAL:HG22	1:B:167:VAL:HG13	11	0.47	0.26	0.4

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2245)	1:B:102:VAL:HG23	1:B:167:VAL:HG11	11	0.47	0.26	0.4
(1,2245)	1:B:102:VAL:HG23	1:B:167:VAL:HG12	11	0.47	0.26	0.4
(1,2245)	1:B:102:VAL:HG23	1:B:167:VAL:HG13	11	0.47	0.26	0.4
(1,1752)	1:B:167:VAL:HG11	1:B:122:VAL:HA	11	0.47	0.13	0.45
(1,1752)	1:B:167:VAL:HG12	1:B:122:VAL:HA	11	0.47	0.13	0.45
(1,1752)	1:B:167:VAL:HG13	1:B:122:VAL:HA	11	0.47	0.13	0.45
(1,2243)	1:B:122:VAL:HA	1:B:167:VAL:HG11	11	0.47	0.13	0.45
(1,2243)	1:B:122:VAL:HA	1:B:167:VAL:HG12	11	0.47	0.13	0.45
(1,2243)	1:B:122:VAL:HA	1:B:167:VAL:HG13	11	0.47	0.13	0.45
(1,740)	1:A:36:ALA:HB1	1:A:78:VAL:HG21	11	0.3	0.1	0.31
(1,740)	1:A:36:ALA:HB1	1:A:78:VAL:HG22	11	0.3	0.1	0.31
(1,740)	1:A:36:ALA:HB1	1:A:78:VAL:HG23	11	0.3	0.1	0.31
(1,740)	1:A:36:ALA:HB2	1:A:78:VAL:HG21	11	0.3	0.1	0.31
(1,740)	1:A:36:ALA:HB2	1:A:78:VAL:HG22	11	0.3	0.1	0.31
(1,740)	1:A:36:ALA:HB2	1:A:78:VAL:HG23	11	0.3	0.1	0.31
(1,740)	1:A:36:ALA:HB3	1:A:78:VAL:HG21	11	0.3	0.1	0.31
(1,740)	1:A:36:ALA:HB3	1:A:78:VAL:HG22	11	0.3	0.1	0.31
(1,740)	1:A:36:ALA:HB3	1:A:78:VAL:HG23	11	0.3	0.1	0.31
(2,10)	1:B:92:ALA:H	1:A:54:GLY:HA2	11	0.17	0.04	0.15
(2,10)	1:B:92:ALA:H	1:A:54:GLY:HA3	11	0.17	0.04	0.15
(1,556)	1:A:78:VAL:H	1:A:78:VAL:HB	11	0.17	0.02	0.16
(1,2815)	1:B:99:LYS:HA	1:B:99:LYS:H	11	0.14	0.01	0.14
(1,1763)	1:B:140:ASP:H	1:B:141:VAL:HA	11	0.14	0.02	0.13
(1,3184)	1:A:28:PHE:HA	1:B:144:ILE:HG21	11	0.13	0.02	0.12
(1,3184)	1:A:28:PHE:HA	1:B:144:ILE:HG22	11	0.13	0.02	0.12
(1,3184)	1:A:28:PHE:HA	1:B:144:ILE:HG23	11	0.13	0.02	0.12
(1,980)	1:A:63:VAL:H	1:A:65:ALA:HB1	11	0.12	0.01	0.11
(1,980)	1:A:63:VAL:H	1:A:65:ALA:HB2	11	0.12	0.01	0.11
(1,980)	1:A:63:VAL:H	1:A:65:ALA:HB3	11	0.12	0.01	0.11
(1,704)	1:A:62:ILE:HG21	1:A:58:VAL:HG11	10	0.82	0.6	0.66
(1,704)	1:A:62:ILE:HG21	1:A:58:VAL:HG12	10	0.82	0.6	0.66
(1,704)	1:A:62:ILE:HG21	1:A:58:VAL:HG13	10	0.82	0.6	0.66
(1,704)	1:A:62:ILE:HG22	1:A:58:VAL:HG11	10	0.82	0.6	0.66
(1,704)	1:A:62:ILE:HG22	1:A:58:VAL:HG12	10	0.82	0.6	0.66
(1,704)	1:A:62:ILE:HG22	1:A:58:VAL:HG13	10	0.82	0.6	0.66
(1,704)	1:A:62:ILE:HG23	1:A:58:VAL:HG11	10	0.82	0.6	0.66
(1,704)	1:A:62:ILE:HG23	1:A:58:VAL:HG12	10	0.82	0.6	0.66
(1,704)	1:A:62:ILE:HG23	1:A:58:VAL:HG13	10	0.82	0.6	0.66
(1,2297)	1:B:144:ILE:HD11	1:B:122:VAL:HG21	10	0.48	0.28	0.42
(1,2297)	1:B:144:ILE:HD11	1:B:122:VAL:HG22	10	0.48	0.28	0.42
(1,2297)	1:B:144:ILE:HD11	1:B:122:VAL:HG23	10	0.48	0.28	0.42
(1,2297)	1:B:144:ILE:HD12	1:B:122:VAL:HG21	10	0.48	0.28	0.42

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2297)	1:B:144:ILE:HD12	1:B:122:VAL:HG22	10	0.48	0.28	0.42
(1,2297)	1:B:144:ILE:HD12	1:B:122:VAL:HG23	10	0.48	0.28	0.42
(1,2297)	1:B:144:ILE:HD13	1:B:122:VAL:HG21	10	0.48	0.28	0.42
(1,2297)	1:B:144:ILE:HD13	1:B:122:VAL:HG22	10	0.48	0.28	0.42
(1,2297)	1:B:144:ILE:HD13	1:B:122:VAL:HG23	10	0.48	0.28	0.42
(1,698)	1:A:29:GLN:HG2	1:A:63:VAL:HG11	10	0.48	0.2	0.46
(1,698)	1:A:29:GLN:HG2	1:A:63:VAL:HG12	10	0.48	0.2	0.46
(1,698)	1:A:29:GLN:HG2	1:A:63:VAL:HG13	10	0.48	0.2	0.46
(1,698)	1:A:29:GLN:HG3	1:A:63:VAL:HG11	10	0.48	0.2	0.46
(1,698)	1:A:29:GLN:HG3	1:A:63:VAL:HG12	10	0.48	0.2	0.46
(1,698)	1:A:29:GLN:HG3	1:A:63:VAL:HG13	10	0.48	0.2	0.46
(1,2589)	1:B:111:LEU:HD21	1:B:159:LYS:HB2	10	0.37	0.32	0.2
(1,2589)	1:B:111:LEU:HD21	1:B:159:LYS:HB3	10	0.37	0.32	0.2
(1,2589)	1:B:111:LEU:HD22	1:B:159:LYS:HB2	10	0.37	0.32	0.2
(1,2589)	1:B:111:LEU:HD22	1:B:159:LYS:HB3	10	0.37	0.32	0.2
(1,2589)	1:B:111:LEU:HD23	1:B:159:LYS:HB2	10	0.37	0.32	0.2
(1,2589)	1:B:111:LEU:HD23	1:B:159:LYS:HB3	10	0.37	0.32	0.2
(1,893)	1:A:66:CYS:H	1:A:22:LEU:HD11	10	0.34	0.18	0.32
(1,893)	1:A:66:CYS:H	1:A:22:LEU:HD12	10	0.34	0.18	0.32
(1,893)	1:A:66:CYS:H	1:A:22:LEU:HD13	10	0.34	0.18	0.32
(1,110)	1:A:60:PRO:HA	1:A:63:VAL:HG11	10	0.21	0.05	0.21
(1,110)	1:A:60:PRO:HA	1:A:63:VAL:HG12	10	0.21	0.05	0.21
(1,110)	1:A:60:PRO:HA	1:A:63:VAL:HG13	10	0.21	0.05	0.21
(1,1249)	1:A:10:LYS:HA	1:A:10:LYS:H	10	0.13	0.01	0.13
(1,197)	1:A:51:ASP:H	1:A:52:VAL:HA	10	0.13	0.02	0.13
(1,2752)	1:B:137:ALA:HA	1:B:137:ALA:H	10	0.12	0.01	0.13
(1,2598)	1:B:159:LYS:HG2	1:B:160:GLN:HG2	10	0.12	0.01	0.12
(1,2598)	1:B:159:LYS:HG2	1:B:160:GLN:HG3	10	0.12	0.01	0.12
(1,2598)	1:B:159:LYS:HG3	1:B:160:GLN:HG2	10	0.12	0.01	0.12
(1,2598)	1:B:159:LYS:HG3	1:B:160:GLN:HG3	10	0.12	0.01	0.12
(1,2268)	1:B:151:ILE:HG12	1:B:147:VAL:HG11	10	0.12	0.01	0.12
(1,2268)	1:B:151:ILE:HG12	1:B:147:VAL:HG12	10	0.12	0.01	0.12
(1,2268)	1:B:151:ILE:HG12	1:B:147:VAL:HG13	10	0.12	0.01	0.12
(1,2268)	1:B:151:ILE:HG13	1:B:147:VAL:HG11	10	0.12	0.01	0.12
(1,2268)	1:B:151:ILE:HG13	1:B:147:VAL:HG12	10	0.12	0.01	0.12
(1,2268)	1:B:151:ILE:HG13	1:B:147:VAL:HG13	10	0.12	0.01	0.12
(1,232)	1:A:85:ILE:HD11	1:A:85:ILE:HA	10	0.11	0.0	0.11
(1,232)	1:A:85:ILE:HD12	1:A:85:ILE:HA	10	0.11	0.0	0.11
(1,232)	1:A:85:ILE:HD13	1:A:85:ILE:HA	10	0.11	0.0	0.11
(1,808)	1:A:85:ILE:HA	1:A:85:ILE:HD11	10	0.11	0.0	0.11
(1,808)	1:A:85:ILE:HA	1:A:85:ILE:HD12	10	0.11	0.0	0.11
(1,808)	1:A:85:ILE:HA	1:A:85:ILE:HD13	10	0.11	0.0	0.11

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1549)	1:A:78:VAL:HG11	1:A:77:LYS:H	9	1.5	0.05	1.51
(1,1549)	1:A:78:VAL:HG12	1:A:77:LYS:H	9	1.5	0.05	1.51
(1,1549)	1:A:78:VAL:HG13	1:A:77:LYS:H	9	1.5	0.05	1.51
(1,961)	1:A:51:ASP:H	1:A:50:LEU:HD11	9	1.32	0.83	1.88
(1,961)	1:A:51:ASP:H	1:A:50:LEU:HD12	9	1.32	0.83	1.88
(1,961)	1:A:51:ASP:H	1:A:50:LEU:HD13	9	1.32	0.83	1.88
(1,742)	1:A:79:LYS:HA	1:A:78:VAL:HG21	9	1.1	0.06	1.12
(1,742)	1:A:79:LYS:HA	1:A:78:VAL:HG22	9	1.1	0.06	1.12
(1,742)	1:A:79:LYS:HA	1:A:78:VAL:HG23	9	1.1	0.06	1.12
(1,11)	1:A:78:VAL:H	1:A:78:VAL:HG11	9	1.03	0.01	1.03
(1,11)	1:A:78:VAL:H	1:A:78:VAL:HG12	9	1.03	0.01	1.03
(1,11)	1:A:78:VAL:H	1:A:78:VAL:HG13	9	1.03	0.01	1.03
(1,1283)	1:A:78:VAL:HG11	1:A:78:VAL:H	9	1.03	0.01	1.03
(1,1283)	1:A:78:VAL:HG12	1:A:78:VAL:H	9	1.03	0.01	1.03
(1,1283)	1:A:78:VAL:HG13	1:A:78:VAL:H	9	1.03	0.01	1.03
(1,743)	1:A:79:LYS:H	1:A:78:VAL:HG21	9	0.41	0.12	0.43
(1,743)	1:A:79:LYS:H	1:A:78:VAL:HG22	9	0.41	0.12	0.43
(1,743)	1:A:79:LYS:H	1:A:78:VAL:HG23	9	0.41	0.12	0.43
(2,6)	1:A:39:LEU:HG	1:B:128:LEU:HB2	9	0.19	0.04	0.2
(2,6)	1:A:39:LEU:HG	1:B:128:LEU:HB3	9	0.19	0.04	0.2
(1,1352)	1:A:24:VAL:HG21	1:A:28:PHE:H	8	2.21	0.63	2.42
(1,1352)	1:A:24:VAL:HG22	1:A:28:PHE:H	8	2.21	0.63	2.42
(1,1352)	1:A:24:VAL:HG23	1:A:28:PHE:H	8	2.21	0.63	2.42
(1,2918)	1:B:113:VAL:HG21	1:B:117:PHE:H	8	2.2	0.65	2.44
(1,2918)	1:B:113:VAL:HG22	1:B:117:PHE:H	8	2.2	0.65	2.44
(1,2918)	1:B:113:VAL:HG23	1:B:117:PHE:H	8	2.2	0.65	2.44
(1,1986)	1:B:113:VAL:HG21	1:B:114:ASP:HB2	8	1.76	0.43	1.92
(1,1986)	1:B:113:VAL:HG21	1:B:114:ASP:HB3	8	1.76	0.43	1.92
(1,1986)	1:B:113:VAL:HG22	1:B:114:ASP:HB2	8	1.76	0.43	1.92
(1,1986)	1:B:113:VAL:HG22	1:B:114:ASP:HB3	8	1.76	0.43	1.92
(1,1986)	1:B:113:VAL:HG23	1:B:114:ASP:HB2	8	1.76	0.43	1.92
(1,1986)	1:B:113:VAL:HG23	1:B:114:ASP:HB3	8	1.76	0.43	1.92
(1,728)	1:A:37:GLU:HG2	1:A:33:VAL:HG21	8	1.55	0.83	1.64
(1,728)	1:A:37:GLU:HG2	1:A:33:VAL:HG22	8	1.55	0.83	1.64
(1,728)	1:A:37:GLU:HG2	1:A:33:VAL:HG23	8	1.55	0.83	1.64
(1,728)	1:A:37:GLU:HG3	1:A:33:VAL:HG21	8	1.55	0.83	1.64
(1,728)	1:A:37:GLU:HG3	1:A:33:VAL:HG22	8	1.55	0.83	1.64
(1,728)	1:A:37:GLU:HG3	1:A:33:VAL:HG23	8	1.55	0.83	1.64
(1,2464)	1:B:113:VAL:HG21	1:B:115:GLU:HA	8	1.46	0.26	1.58
(1,2464)	1:B:113:VAL:HG22	1:B:115:GLU:HA	8	1.46	0.26	1.58
(1,2464)	1:B:113:VAL:HG23	1:B:115:GLU:HA	8	1.46	0.26	1.58
(1,898)	1:A:24:VAL:HG21	1:A:26:GLU:HA	8	1.43	0.27	1.54

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,898)	1:A:24:VAL:HG22	1:A:26:GLU:HA	8	1.43	0.27	1.54
(1,898)	1:A:24:VAL:HG23	1:A:26:GLU:HA	8	1.43	0.27	1.54
(1,14)	1:A:25:ASP:H	1:A:24:VAL:HG21	8	1.31	0.04	1.3
(1,14)	1:A:25:ASP:H	1:A:24:VAL:HG22	8	1.31	0.04	1.3
(1,14)	1:A:25:ASP:H	1:A:24:VAL:HG23	8	1.31	0.04	1.3
(1,1152)	1:A:24:VAL:HG21	1:A:25:ASP:H	8	1.31	0.04	1.3
(1,1152)	1:A:24:VAL:HG22	1:A:25:ASP:H	8	1.31	0.04	1.3
(1,1152)	1:A:24:VAL:HG23	1:A:25:ASP:H	8	1.31	0.04	1.3
(1,1580)	1:B:114:ASP:H	1:B:113:VAL:HG21	8	1.3	0.08	1.33
(1,1580)	1:B:114:ASP:H	1:B:113:VAL:HG22	8	1.3	0.08	1.33
(1,1580)	1:B:114:ASP:H	1:B:113:VAL:HG23	8	1.3	0.08	1.33
(1,2718)	1:B:113:VAL:HG21	1:B:114:ASP:H	8	1.3	0.08	1.33
(1,2718)	1:B:113:VAL:HG22	1:B:114:ASP:H	8	1.3	0.08	1.33
(1,2718)	1:B:113:VAL:HG23	1:B:114:ASP:H	8	1.3	0.08	1.33
(1,164)	1:A:78:VAL:HG11	1:A:62:ILE:HG21	8	1.16	0.52	0.94
(1,164)	1:A:78:VAL:HG11	1:A:62:ILE:HG22	8	1.16	0.52	0.94
(1,164)	1:A:78:VAL:HG11	1:A:62:ILE:HG23	8	1.16	0.52	0.94
(1,164)	1:A:78:VAL:HG12	1:A:62:ILE:HG21	8	1.16	0.52	0.94
(1,164)	1:A:78:VAL:HG12	1:A:62:ILE:HG22	8	1.16	0.52	0.94
(1,164)	1:A:78:VAL:HG12	1:A:62:ILE:HG23	8	1.16	0.52	0.94
(1,164)	1:A:78:VAL:HG13	1:A:62:ILE:HG21	8	1.16	0.52	0.94
(1,164)	1:A:78:VAL:HG13	1:A:62:ILE:HG22	8	1.16	0.52	0.94
(1,164)	1:A:78:VAL:HG13	1:A:62:ILE:HG23	8	1.16	0.52	0.94
(1,702)	1:A:62:ILE:HG12	1:A:58:VAL:HG11	8	0.73	0.55	0.56
(1,702)	1:A:62:ILE:HG12	1:A:58:VAL:HG12	8	0.73	0.55	0.56
(1,702)	1:A:62:ILE:HG12	1:A:58:VAL:HG13	8	0.73	0.55	0.56
(1,702)	1:A:62:ILE:HG13	1:A:58:VAL:HG11	8	0.73	0.55	0.56
(1,702)	1:A:62:ILE:HG13	1:A:58:VAL:HG12	8	0.73	0.55	0.56
(1,702)	1:A:62:ILE:HG13	1:A:58:VAL:HG13	8	0.73	0.55	0.56
(1,167)	1:A:33:VAL:HG21	1:A:78:VAL:HG11	8	0.7	0.37	0.78
(1,167)	1:A:33:VAL:HG21	1:A:78:VAL:HG12	8	0.7	0.37	0.78
(1,167)	1:A:33:VAL:HG21	1:A:78:VAL:HG13	8	0.7	0.37	0.78
(1,167)	1:A:33:VAL:HG22	1:A:78:VAL:HG11	8	0.7	0.37	0.78
(1,167)	1:A:33:VAL:HG22	1:A:78:VAL:HG12	8	0.7	0.37	0.78
(1,167)	1:A:33:VAL:HG22	1:A:78:VAL:HG13	8	0.7	0.37	0.78
(1,167)	1:A:33:VAL:HG23	1:A:78:VAL:HG11	8	0.7	0.37	0.78
(1,167)	1:A:33:VAL:HG23	1:A:78:VAL:HG12	8	0.7	0.37	0.78
(1,167)	1:A:33:VAL:HG23	1:A:78:VAL:HG13	8	0.7	0.37	0.78
(1,731)	1:A:55:ILE:HD11	1:A:33:VAL:HG21	8	0.69	0.25	0.74
(1,731)	1:A:55:ILE:HD11	1:A:33:VAL:HG22	8	0.69	0.25	0.74
(1,731)	1:A:55:ILE:HD11	1:A:33:VAL:HG23	8	0.69	0.25	0.74
(1,731)	1:A:55:ILE:HD12	1:A:33:VAL:HG21	8	0.69	0.25	0.74

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,731)	1:A:55:ILE:HD12	1:A:33:VAL:HG22	8	0.69	0.25	0.74
(1,731)	1:A:55:ILE:HD12	1:A:33:VAL:HG23	8	0.69	0.25	0.74
(1,731)	1:A:55:ILE:HD13	1:A:33:VAL:HG21	8	0.69	0.25	0.74
(1,731)	1:A:55:ILE:HD13	1:A:33:VAL:HG22	8	0.69	0.25	0.74
(1,731)	1:A:55:ILE:HD13	1:A:33:VAL:HG23	8	0.69	0.25	0.74
(1,1707)	1:B:144:ILE:HG12	1:B:122:VAL:HG21	8	0.48	0.28	0.46
(1,1707)	1:B:144:ILE:HG12	1:B:122:VAL:HG22	8	0.48	0.28	0.46
(1,1707)	1:B:144:ILE:HG12	1:B:122:VAL:HG23	8	0.48	0.28	0.46
(1,1707)	1:B:144:ILE:HG13	1:B:122:VAL:HG21	8	0.48	0.28	0.46
(1,1707)	1:B:144:ILE:HG13	1:B:122:VAL:HG22	8	0.48	0.28	0.46
(1,1707)	1:B:144:ILE:HG13	1:B:122:VAL:HG23	8	0.48	0.28	0.46
(1,679)	1:A:13:VAL:HG21	1:A:78:VAL:HG11	8	0.34	0.16	0.27
(1,679)	1:A:13:VAL:HG21	1:A:78:VAL:HG12	8	0.34	0.16	0.27
(1,679)	1:A:13:VAL:HG21	1:A:78:VAL:HG13	8	0.34	0.16	0.27
(1,679)	1:A:13:VAL:HG22	1:A:78:VAL:HG11	8	0.34	0.16	0.27
(1,679)	1:A:13:VAL:HG22	1:A:78:VAL:HG12	8	0.34	0.16	0.27
(1,679)	1:A:13:VAL:HG22	1:A:78:VAL:HG13	8	0.34	0.16	0.27
(1,679)	1:A:13:VAL:HG23	1:A:78:VAL:HG11	8	0.34	0.16	0.27
(1,679)	1:A:13:VAL:HG23	1:A:78:VAL:HG12	8	0.34	0.16	0.27
(1,679)	1:A:13:VAL:HG23	1:A:78:VAL:HG13	8	0.34	0.16	0.27
(1,801)	1:A:62:ILE:HA	1:A:62:ILE:HD11	8	0.23	0.02	0.22
(1,801)	1:A:62:ILE:HA	1:A:62:ILE:HD12	8	0.23	0.02	0.22
(1,801)	1:A:62:ILE:HA	1:A:62:ILE:HD13	8	0.23	0.02	0.22
(1,2122)	1:B:167:VAL:H	1:B:167:VAL:HB	8	0.16	0.03	0.17
(2,15)	1:B:94:LYS:HG2	1:A:52:VAL:HA	8	0.16	0.02	0.16
(2,15)	1:B:94:LYS:HG3	1:A:52:VAL:HA	8	0.16	0.02	0.16
(1,3332)	1:B:139:LEU:HG	1:A:31:THR:H	8	0.15	0.03	0.15
(1,769)	1:A:62:ILE:H	1:A:62:ILE:HG21	8	0.14	0.02	0.15
(1,769)	1:A:62:ILE:H	1:A:62:ILE:HG22	8	0.14	0.02	0.15
(1,769)	1:A:62:ILE:H	1:A:62:ILE:HG23	8	0.14	0.02	0.15
(1,1227)	1:A:62:ILE:HG21	1:A:62:ILE:H	8	0.14	0.02	0.15
(1,1227)	1:A:62:ILE:HG22	1:A:62:ILE:H	8	0.14	0.02	0.15
(1,1227)	1:A:62:ILE:HG23	1:A:62:ILE:H	8	0.14	0.02	0.15
(1,2644)	1:B:175:LYS:HG2	1:B:176:LYS:HA	8	0.13	0.01	0.12
(1,2644)	1:B:175:LYS:HG3	1:B:176:LYS:HA	8	0.13	0.01	0.12
(1,457)	1:A:62:ILE:H	1:A:62:ILE:HB	8	0.12	0.01	0.12
(1,512)	1:A:81:GLU:HA	1:A:84:LYS:HB2	8	0.12	0.01	0.12
(1,512)	1:A:81:GLU:HA	1:A:84:LYS:HB3	8	0.12	0.01	0.12
(1,3011)	1:B:160:GLN:HA	1:B:160:GLN:H	8	0.12	0.0	0.12
(1,1323)	1:A:24:VAL:HG11	1:A:23:ALA:H	7	2.16	0.06	2.17
(1,1323)	1:A:24:VAL:HG12	1:A:23:ALA:H	7	2.16	0.06	2.17
(1,1323)	1:A:24:VAL:HG13	1:A:23:ALA:H	7	2.16	0.06	2.17

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2889)	1:B:113:VAL:HG11	1:B:112:ALA:H	7	2.11	0.11	2.16
(1,2889)	1:B:113:VAL:HG12	1:B:112:ALA:H	7	2.11	0.11	2.16
(1,2889)	1:B:113:VAL:HG13	1:B:112:ALA:H	7	2.11	0.11	2.16
(1,650)	1:A:31:THR:H	1:A:33:VAL:HG11	7	1.64	0.14	1.57
(1,650)	1:A:31:THR:H	1:A:33:VAL:HG12	7	1.64	0.14	1.57
(1,650)	1:A:31:THR:H	1:A:33:VAL:HG13	7	1.64	0.14	1.57
(1,414)	1:A:24:VAL:HG21	1:A:28:PHE:HB2	7	1.36	0.11	1.34
(1,414)	1:A:24:VAL:HG21	1:A:28:PHE:HB3	7	1.36	0.11	1.34
(1,414)	1:A:24:VAL:HG22	1:A:28:PHE:HB2	7	1.36	0.11	1.34
(1,414)	1:A:24:VAL:HG22	1:A:28:PHE:HB3	7	1.36	0.11	1.34
(1,414)	1:A:24:VAL:HG23	1:A:28:PHE:HB2	7	1.36	0.11	1.34
(1,414)	1:A:24:VAL:HG23	1:A:28:PHE:HB3	7	1.36	0.11	1.34
(1,1980)	1:B:113:VAL:HG21	1:B:117:PHE:HB2	7	1.33	0.07	1.33
(1,1980)	1:B:113:VAL:HG21	1:B:117:PHE:HB3	7	1.33	0.07	1.33
(1,1980)	1:B:113:VAL:HG22	1:B:117:PHE:HB2	7	1.33	0.07	1.33
(1,1980)	1:B:113:VAL:HG22	1:B:117:PHE:HB3	7	1.33	0.07	1.33
(1,1980)	1:B:113:VAL:HG23	1:B:117:PHE:HB2	7	1.33	0.07	1.33
(1,1980)	1:B:113:VAL:HG23	1:B:117:PHE:HB3	7	1.33	0.07	1.33
(1,8)	1:A:33:VAL:H	1:A:33:VAL:HG11	7	1.01	0.01	1.0
(1,8)	1:A:33:VAL:H	1:A:33:VAL:HG12	7	1.01	0.01	1.0
(1,8)	1:A:33:VAL:H	1:A:33:VAL:HG13	7	1.01	0.01	1.0
(1,10)	1:A:24:VAL:H	1:A:24:VAL:HG11	7	0.97	0.01	0.97
(1,10)	1:A:24:VAL:H	1:A:24:VAL:HG12	7	0.97	0.01	0.97
(1,10)	1:A:24:VAL:H	1:A:24:VAL:HG13	7	0.97	0.01	0.97
(1,1238)	1:A:24:VAL:HG11	1:A:24:VAL:H	7	0.97	0.01	0.97
(1,1238)	1:A:24:VAL:HG12	1:A:24:VAL:H	7	0.97	0.01	0.97
(1,1238)	1:A:24:VAL:HG13	1:A:24:VAL:H	7	0.97	0.01	0.97
(1,1576)	1:B:113:VAL:H	1:B:113:VAL:HG11	7	0.95	0.02	0.96
(1,1576)	1:B:113:VAL:H	1:B:113:VAL:HG12	7	0.95	0.02	0.96
(1,1576)	1:B:113:VAL:H	1:B:113:VAL:HG13	7	0.95	0.02	0.96
(1,2804)	1:B:113:VAL:HG11	1:B:113:VAL:H	7	0.95	0.02	0.96
(1,2804)	1:B:113:VAL:HG12	1:B:113:VAL:H	7	0.95	0.02	0.96
(1,2804)	1:B:113:VAL:HG13	1:B:113:VAL:H	7	0.95	0.02	0.96
(1,2294)	1:B:126:GLU:HG2	1:B:122:VAL:HG21	7	0.89	0.92	0.18
(1,2294)	1:B:126:GLU:HG2	1:B:122:VAL:HG22	7	0.89	0.92	0.18
(1,2294)	1:B:126:GLU:HG2	1:B:122:VAL:HG23	7	0.89	0.92	0.18
(1,2294)	1:B:126:GLU:HG3	1:B:122:VAL:HG21	7	0.89	0.92	0.18
(1,2294)	1:B:126:GLU:HG3	1:B:122:VAL:HG22	7	0.89	0.92	0.18
(1,2294)	1:B:126:GLU:HG3	1:B:122:VAL:HG23	7	0.89	0.92	0.18
(1,141)	1:A:55:ILE:HG12	1:A:33:VAL:HG21	7	0.69	0.17	0.72
(1,141)	1:A:55:ILE:HG12	1:A:33:VAL:HG22	7	0.69	0.17	0.72
(1,141)	1:A:55:ILE:HG12	1:A:33:VAL:HG23	7	0.69	0.17	0.72

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,141)	1:A:55:ILE:HG13	1:A:33:VAL:HG21	7	0.69	0.17	0.72
(1,141)	1:A:55:ILE:HG13	1:A:33:VAL:HG22	7	0.69	0.17	0.72
(1,141)	1:A:55:ILE:HG13	1:A:33:VAL:HG23	7	0.69	0.17	0.72
(1,235)	1:A:24:VAL:HG21	1:A:29:GLN:HA	7	0.5	0.22	0.52
(1,235)	1:A:24:VAL:HG22	1:A:29:GLN:HA	7	0.5	0.22	0.52
(1,235)	1:A:24:VAL:HG23	1:A:29:GLN:HA	7	0.5	0.22	0.52
(1,1801)	1:B:113:VAL:HG21	1:B:118:GLN:HA	7	0.45	0.19	0.39
(1,1801)	1:B:113:VAL:HG22	1:B:118:GLN:HA	7	0.45	0.19	0.39
(1,1801)	1:B:113:VAL:HG23	1:B:118:GLN:HA	7	0.45	0.19	0.39
(1,649)	1:A:30:PRO:HA	1:A:33:VAL:HG11	7	0.35	0.2	0.24
(1,649)	1:A:30:PRO:HA	1:A:33:VAL:HG12	7	0.35	0.2	0.24
(1,649)	1:A:30:PRO:HA	1:A:33:VAL:HG13	7	0.35	0.2	0.24
(1,856)	1:A:35:PHE:HB2	1:A:39:LEU:HD11	7	0.32	0.12	0.27
(1,856)	1:A:35:PHE:HB2	1:A:39:LEU:HD12	7	0.32	0.12	0.27
(1,856)	1:A:35:PHE:HB2	1:A:39:LEU:HD13	7	0.32	0.12	0.27
(1,856)	1:A:35:PHE:HB3	1:A:39:LEU:HD11	7	0.32	0.12	0.27
(1,856)	1:A:35:PHE:HB3	1:A:39:LEU:HD12	7	0.32	0.12	0.27
(1,856)	1:A:35:PHE:HB3	1:A:39:LEU:HD13	7	0.32	0.12	0.27
(1,2459)	1:B:155:CYS:H	1:B:111:LEU:HD11	7	0.29	0.11	0.26
(1,2459)	1:B:155:CYS:H	1:B:111:LEU:HD12	7	0.29	0.11	0.26
(1,2459)	1:B:155:CYS:H	1:B:111:LEU:HD13	7	0.29	0.11	0.26
(1,952)	1:A:63:VAL:HG21	1:A:64:GLN:HG2	7	0.22	0.1	0.16
(1,952)	1:A:63:VAL:HG21	1:A:64:GLN:HG3	7	0.22	0.1	0.16
(1,952)	1:A:63:VAL:HG22	1:A:64:GLN:HG2	7	0.22	0.1	0.16
(1,952)	1:A:63:VAL:HG22	1:A:64:GLN:HG3	7	0.22	0.1	0.16
(1,952)	1:A:63:VAL:HG23	1:A:64:GLN:HG2	7	0.22	0.1	0.16
(1,952)	1:A:63:VAL:HG23	1:A:64:GLN:HG3	7	0.22	0.1	0.16
(1,646)	1:A:55:ILE:HG21	1:A:33:VAL:HG11	7	0.15	0.04	0.15
(1,646)	1:A:55:ILE:HG21	1:A:33:VAL:HG12	7	0.15	0.04	0.15
(1,646)	1:A:55:ILE:HG21	1:A:33:VAL:HG13	7	0.15	0.04	0.15
(1,646)	1:A:55:ILE:HG22	1:A:33:VAL:HG11	7	0.15	0.04	0.15
(1,646)	1:A:55:ILE:HG22	1:A:33:VAL:HG12	7	0.15	0.04	0.15
(1,646)	1:A:55:ILE:HG22	1:A:33:VAL:HG13	7	0.15	0.04	0.15
(1,646)	1:A:55:ILE:HG23	1:A:33:VAL:HG11	7	0.15	0.04	0.15
(1,646)	1:A:55:ILE:HG23	1:A:33:VAL:HG12	7	0.15	0.04	0.15
(1,646)	1:A:55:ILE:HG23	1:A:33:VAL:HG13	7	0.15	0.04	0.15
(1,1633)	1:B:127:ALA:HB1	1:B:124:PHE:HA	7	0.14	0.02	0.13
(1,1633)	1:B:127:ALA:HB2	1:B:124:PHE:HA	7	0.14	0.02	0.13
(1,1633)	1:B:127:ALA:HB3	1:B:124:PHE:HA	7	0.14	0.02	0.13
(1,2937)	1:B:121:ALA:HA	1:B:125:ALA:H	7	0.14	0.02	0.13
(1,1932)	1:B:99:LYS:HD2	1:B:101:PRO:HD2	7	0.14	0.02	0.13
(1,1932)	1:B:99:LYS:HD2	1:B:101:PRO:HD3	7	0.14	0.02	0.13

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1932)	1:B:99:LYS:HD3	1:B:101:PRO:HD2	7	0.14	0.02	0.13
(1,1932)	1:B:99:LYS:HD3	1:B:101:PRO:HD3	7	0.14	0.02	0.13
(1,1481)	1:A:17:THR:H	1:A:16:TRP:H	7	0.13	0.01	0.13
(1,1136)	1:A:58:VAL:HA	1:A:58:VAL:H	7	0.12	0.01	0.12
(1,2833)	1:B:150:ALA:HA	1:B:150:ALA:H	7	0.12	0.0	0.12
(1,3003)	1:B:120:THR:HA	1:B:120:THR:H	7	0.11	0.01	0.11
(1,2205)	1:B:152:VAL:HG11	1:B:118:GLN:HB2	6	0.25	0.12	0.2
(1,2205)	1:B:152:VAL:HG11	1:B:118:GLN:HB3	6	0.25	0.12	0.2
(1,2205)	1:B:152:VAL:HG12	1:B:118:GLN:HB2	6	0.25	0.12	0.2
(1,2205)	1:B:152:VAL:HG12	1:B:118:GLN:HB3	6	0.25	0.12	0.2
(1,2205)	1:B:152:VAL:HG13	1:B:118:GLN:HB2	6	0.25	0.12	0.2
(1,2205)	1:B:152:VAL:HG13	1:B:118:GLN:HB3	6	0.25	0.12	0.2
(1,467)	1:A:24:VAL:HG21	1:A:29:GLN:HG2	6	0.21	0.09	0.16
(1,467)	1:A:24:VAL:HG21	1:A:29:GLN:HG3	6	0.21	0.09	0.16
(1,467)	1:A:24:VAL:HG22	1:A:29:GLN:HG2	6	0.21	0.09	0.16
(1,467)	1:A:24:VAL:HG22	1:A:29:GLN:HG3	6	0.21	0.09	0.16
(1,467)	1:A:24:VAL:HG23	1:A:29:GLN:HG2	6	0.21	0.09	0.16
(1,467)	1:A:24:VAL:HG23	1:A:29:GLN:HG3	6	0.21	0.09	0.16
(1,474)	1:A:24:VAL:HG21	1:A:29:GLN:HG2	6	0.21	0.09	0.16
(1,474)	1:A:24:VAL:HG21	1:A:29:GLN:HG3	6	0.21	0.09	0.16
(1,474)	1:A:24:VAL:HG22	1:A:29:GLN:HG2	6	0.21	0.09	0.16
(1,474)	1:A:24:VAL:HG22	1:A:29:GLN:HG3	6	0.21	0.09	0.16
(1,474)	1:A:24:VAL:HG23	1:A:29:GLN:HG2	6	0.21	0.09	0.16
(1,474)	1:A:24:VAL:HG23	1:A:29:GLN:HG3	6	0.21	0.09	0.16
(1,2367)	1:B:151:ILE:HA	1:B:151:ILE:HD11	6	0.17	0.03	0.18
(1,2367)	1:B:151:ILE:HA	1:B:151:ILE:HD12	6	0.17	0.03	0.18
(1,2367)	1:B:151:ILE:HA	1:B:151:ILE:HD13	6	0.17	0.03	0.18
(1,2101)	1:B:152:VAL:H	1:B:152:VAL:HB	6	0.14	0.01	0.14
(1,1032)	1:A:70:LYS:HG2	1:A:71:GLN:HG2	6	0.12	0.01	0.12
(1,1032)	1:A:70:LYS:HG2	1:A:71:GLN:HG3	6	0.12	0.01	0.12
(1,1032)	1:A:70:LYS:HG3	1:A:71:GLN:HG2	6	0.12	0.01	0.12
(1,1032)	1:A:70:LYS:HG3	1:A:71:GLN:HG3	6	0.12	0.01	0.12
(1,1078)	1:A:86:LYS:HG2	1:A:87:LYS:HA	6	0.12	0.01	0.12
(1,1078)	1:A:86:LYS:HG3	1:A:87:LYS:HA	6	0.12	0.01	0.12
(1,1405)	1:A:67:THR:HG21	1:A:67:THR:H	6	0.12	0.01	0.12
(1,1405)	1:A:67:THR:HG22	1:A:67:THR:H	6	0.12	0.01	0.12
(1,1405)	1:A:67:THR:HG23	1:A:67:THR:H	6	0.12	0.01	0.12
(1,1423)	1:A:39:LEU:HA	1:A:39:LEU:H	6	0.12	0.01	0.12
(1,798)	1:A:58:VAL:HG21	1:A:85:ILE:HG21	5	2.21	0.04	2.21
(1,798)	1:A:58:VAL:HG21	1:A:85:ILE:HG22	5	2.21	0.04	2.21
(1,798)	1:A:58:VAL:HG21	1:A:85:ILE:HG23	5	2.21	0.04	2.21
(1,798)	1:A:58:VAL:HG22	1:A:85:ILE:HG21	5	2.21	0.04	2.21

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,798)	1:A:58:VAL:HG22	1:A:85:ILE:HG22	5	2.21	0.04	2.21
(1,798)	1:A:58:VAL:HG22	1:A:85:ILE:HG23	5	2.21	0.04	2.21
(1,798)	1:A:58:VAL:HG23	1:A:85:ILE:HG21	5	2.21	0.04	2.21
(1,798)	1:A:58:VAL:HG23	1:A:85:ILE:HG22	5	2.21	0.04	2.21
(1,798)	1:A:58:VAL:HG23	1:A:85:ILE:HG23	5	2.21	0.04	2.21
(1,811)	1:A:58:VAL:HG21	1:A:85:ILE:HD11	5	1.8	0.04	1.77
(1,811)	1:A:58:VAL:HG21	1:A:85:ILE:HD12	5	1.8	0.04	1.77
(1,811)	1:A:58:VAL:HG21	1:A:85:ILE:HD13	5	1.8	0.04	1.77
(1,811)	1:A:58:VAL:HG22	1:A:85:ILE:HD11	5	1.8	0.04	1.77
(1,811)	1:A:58:VAL:HG22	1:A:85:ILE:HD12	5	1.8	0.04	1.77
(1,811)	1:A:58:VAL:HG22	1:A:85:ILE:HD13	5	1.8	0.04	1.77
(1,811)	1:A:58:VAL:HG23	1:A:85:ILE:HD11	5	1.8	0.04	1.77
(1,811)	1:A:58:VAL:HG23	1:A:85:ILE:HD12	5	1.8	0.04	1.77
(1,811)	1:A:58:VAL:HG23	1:A:85:ILE:HD13	5	1.8	0.04	1.77
(1,994)	1:A:85:ILE:HD11	1:A:58:VAL:HG21	5	1.1	0.04	1.07
(1,994)	1:A:85:ILE:HD11	1:A:58:VAL:HG22	5	1.1	0.04	1.07
(1,994)	1:A:85:ILE:HD11	1:A:58:VAL:HG23	5	1.1	0.04	1.07
(1,994)	1:A:85:ILE:HD12	1:A:58:VAL:HG21	5	1.1	0.04	1.07
(1,994)	1:A:85:ILE:HD12	1:A:58:VAL:HG22	5	1.1	0.04	1.07
(1,994)	1:A:85:ILE:HD12	1:A:58:VAL:HG23	5	1.1	0.04	1.07
(1,994)	1:A:85:ILE:HD13	1:A:58:VAL:HG21	5	1.1	0.04	1.07
(1,994)	1:A:85:ILE:HD13	1:A:58:VAL:HG22	5	1.1	0.04	1.07
(1,994)	1:A:85:ILE:HD13	1:A:58:VAL:HG23	5	1.1	0.04	1.07
(1,701)	1:A:55:ILE:HA	1:A:58:VAL:HG11	5	0.61	0.07	0.61
(1,701)	1:A:55:ILE:HA	1:A:58:VAL:HG12	5	0.61	0.07	0.61
(1,701)	1:A:55:ILE:HA	1:A:58:VAL:HG13	5	0.61	0.07	0.61
(1,2201)	1:B:111:LEU:H	1:B:111:LEU:HD21	5	0.48	0.04	0.48
(1,2201)	1:B:111:LEU:H	1:B:111:LEU:HD22	5	0.48	0.04	0.48
(1,2201)	1:B:111:LEU:H	1:B:111:LEU:HD23	5	0.48	0.04	0.48
(1,3063)	1:B:111:LEU:HD21	1:B:111:LEU:H	5	0.48	0.04	0.48
(1,3063)	1:B:111:LEU:HD22	1:B:111:LEU:H	5	0.48	0.04	0.48
(1,3063)	1:B:111:LEU:HD23	1:B:111:LEU:H	5	0.48	0.04	0.48
(1,2033)	1:B:113:VAL:HG21	1:B:118:GLN:HG2	5	0.36	0.15	0.42
(1,2033)	1:B:113:VAL:HG21	1:B:118:GLN:HG3	5	0.36	0.15	0.42
(1,2033)	1:B:113:VAL:HG22	1:B:118:GLN:HG2	5	0.36	0.15	0.42
(1,2033)	1:B:113:VAL:HG22	1:B:118:GLN:HG3	5	0.36	0.15	0.42
(1,2033)	1:B:113:VAL:HG23	1:B:118:GLN:HG2	5	0.36	0.15	0.42
(1,2033)	1:B:113:VAL:HG23	1:B:118:GLN:HG3	5	0.36	0.15	0.42
(1,2040)	1:B:113:VAL:HG21	1:B:118:GLN:HG2	5	0.36	0.15	0.42
(1,2040)	1:B:113:VAL:HG21	1:B:118:GLN:HG3	5	0.36	0.15	0.42
(1,2040)	1:B:113:VAL:HG22	1:B:118:GLN:HG2	5	0.36	0.15	0.42
(1,2040)	1:B:113:VAL:HG22	1:B:118:GLN:HG3	5	0.36	0.15	0.42

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2040)	1:B:113:VAL:HG23	1:B:118:GLN:HG2	5	0.36	0.15	0.42
(1,2040)	1:B:113:VAL:HG23	1:B:118:GLN:HG3	5	0.36	0.15	0.42
(1,786)	1:A:33:VAL:HG21	1:A:36:ALA:HB1	5	0.32	0.08	0.36
(1,786)	1:A:33:VAL:HG21	1:A:36:ALA:HB2	5	0.32	0.08	0.36
(1,786)	1:A:33:VAL:HG21	1:A:36:ALA:HB3	5	0.32	0.08	0.36
(1,786)	1:A:33:VAL:HG22	1:A:36:ALA:HB1	5	0.32	0.08	0.36
(1,786)	1:A:33:VAL:HG22	1:A:36:ALA:HB2	5	0.32	0.08	0.36
(1,786)	1:A:33:VAL:HG22	1:A:36:ALA:HB3	5	0.32	0.08	0.36
(1,786)	1:A:33:VAL:HG23	1:A:36:ALA:HB1	5	0.32	0.08	0.36
(1,786)	1:A:33:VAL:HG23	1:A:36:ALA:HB2	5	0.32	0.08	0.36
(1,786)	1:A:33:VAL:HG23	1:A:36:ALA:HB3	5	0.32	0.08	0.36
(1,639)	1:A:63:VAL:HG11	1:A:29:GLN:HB2	5	0.29	0.11	0.36
(1,639)	1:A:63:VAL:HG11	1:A:29:GLN:HB3	5	0.29	0.11	0.36
(1,639)	1:A:63:VAL:HG12	1:A:29:GLN:HB2	5	0.29	0.11	0.36
(1,639)	1:A:63:VAL:HG12	1:A:29:GLN:HB3	5	0.29	0.11	0.36
(1,639)	1:A:63:VAL:HG13	1:A:29:GLN:HB2	5	0.29	0.11	0.36
(1,639)	1:A:63:VAL:HG13	1:A:29:GLN:HB3	5	0.29	0.11	0.36
(1,2199)	1:B:111:LEU:HA	1:B:111:LEU:HD21	5	0.28	0.02	0.28
(1,2199)	1:B:111:LEU:HA	1:B:111:LEU:HD22	5	0.28	0.02	0.28
(1,2199)	1:B:111:LEU:HA	1:B:111:LEU:HD23	5	0.28	0.02	0.28
(1,1676)	1:B:149:PRO:HA	1:B:152:VAL:HG11	5	0.25	0.09	0.22
(1,1676)	1:B:149:PRO:HA	1:B:152:VAL:HG12	5	0.25	0.09	0.22
(1,1676)	1:B:149:PRO:HA	1:B:152:VAL:HG13	5	0.25	0.09	0.22
(1,2371)	1:B:122:VAL:HG11	1:B:151:ILE:HD11	5	0.24	0.15	0.19
(1,2371)	1:B:122:VAL:HG11	1:B:151:ILE:HD12	5	0.24	0.15	0.19
(1,2371)	1:B:122:VAL:HG11	1:B:151:ILE:HD13	5	0.24	0.15	0.19
(1,2371)	1:B:122:VAL:HG12	1:B:151:ILE:HD11	5	0.24	0.15	0.19
(1,2371)	1:B:122:VAL:HG12	1:B:151:ILE:HD12	5	0.24	0.15	0.19
(1,2371)	1:B:122:VAL:HG12	1:B:151:ILE:HD13	5	0.24	0.15	0.19
(1,2371)	1:B:122:VAL:HG13	1:B:151:ILE:HD11	5	0.24	0.15	0.19
(1,2371)	1:B:122:VAL:HG13	1:B:151:ILE:HD12	5	0.24	0.15	0.19
(1,2371)	1:B:122:VAL:HG13	1:B:151:ILE:HD13	5	0.24	0.15	0.19
(1,410)	1:A:77:LYS:HA	1:A:77:LYS:HE2	5	0.2	0.03	0.19
(1,410)	1:A:77:LYS:HA	1:A:77:LYS:HE3	5	0.2	0.03	0.19
(1,2270)	1:B:151:ILE:HG21	1:B:147:VAL:HG11	5	0.17	0.01	0.17
(1,2270)	1:B:151:ILE:HG21	1:B:147:VAL:HG12	5	0.17	0.01	0.17
(1,2270)	1:B:151:ILE:HG21	1:B:147:VAL:HG13	5	0.17	0.01	0.17
(1,2270)	1:B:151:ILE:HG22	1:B:147:VAL:HG11	5	0.17	0.01	0.17
(1,2270)	1:B:151:ILE:HG22	1:B:147:VAL:HG12	5	0.17	0.01	0.17
(1,2270)	1:B:151:ILE:HG22	1:B:147:VAL:HG13	5	0.17	0.01	0.17
(1,2270)	1:B:151:ILE:HG23	1:B:147:VAL:HG11	5	0.17	0.01	0.17
(1,2270)	1:B:151:ILE:HG23	1:B:147:VAL:HG12	5	0.17	0.01	0.17

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2270)	1:B:151:ILE:HG23	1:B:147:VAL:HG13	5	0.17	0.01	0.17
(1,3312)	1:B:137:ALA:H	1:A:39:LEU:HG	5	0.15	0.03	0.15
(1,2329)	1:B:99:LYS:HD2	1:B:96:ALA:HB1	5	0.15	0.0	0.15
(1,2329)	1:B:99:LYS:HD2	1:B:96:ALA:HB2	5	0.15	0.0	0.15
(1,2329)	1:B:99:LYS:HD2	1:B:96:ALA:HB3	5	0.15	0.0	0.15
(1,2329)	1:B:99:LYS:HD3	1:B:96:ALA:HB1	5	0.15	0.0	0.15
(1,2329)	1:B:99:LYS:HD3	1:B:96:ALA:HB2	5	0.15	0.0	0.15
(1,2329)	1:B:99:LYS:HD3	1:B:96:ALA:HB3	5	0.15	0.0	0.15
(1,3290)	1:B:97:ASP:H	1:A:49:VAL:HG11	5	0.15	0.03	0.15
(1,3290)	1:B:97:ASP:H	1:A:49:VAL:HG12	5	0.15	0.03	0.15
(1,3290)	1:B:97:ASP:H	1:A:49:VAL:HG13	5	0.15	0.03	0.15
(1,763)	1:A:10:LYS:HD2	1:A:7:ALA:HB1	5	0.13	0.02	0.12
(1,763)	1:A:10:LYS:HD2	1:A:7:ALA:HB2	5	0.13	0.02	0.12
(1,763)	1:A:10:LYS:HD2	1:A:7:ALA:HB3	5	0.13	0.02	0.12
(1,763)	1:A:10:LYS:HD3	1:A:7:ALA:HB1	5	0.13	0.02	0.12
(1,763)	1:A:10:LYS:HD3	1:A:7:ALA:HB2	5	0.13	0.02	0.12
(1,763)	1:A:10:LYS:HD3	1:A:7:ALA:HB3	5	0.13	0.02	0.12
(1,2335)	1:B:151:ILE:H	1:B:151:ILE:HG21	5	0.13	0.01	0.13
(1,2335)	1:B:151:ILE:H	1:B:151:ILE:HG22	5	0.13	0.01	0.13
(1,2335)	1:B:151:ILE:H	1:B:151:ILE:HG23	5	0.13	0.01	0.13
(1,2793)	1:B:151:ILE:HG21	1:B:151:ILE:H	5	0.13	0.01	0.13
(1,2793)	1:B:151:ILE:HG22	1:B:151:ILE:H	5	0.13	0.01	0.13
(1,2793)	1:B:151:ILE:HG23	1:B:151:ILE:H	5	0.13	0.01	0.13
(1,2842)	1:B:153:GLN:HA	1:B:153:GLN:H	5	0.11	0.0	0.11
(1,1538)	1:A:73:ASN:H	1:A:72:ALA:H	5	0.11	0.0	0.11
(1,361)	1:A:23:ALA:H	1:A:23:ALA:HA	5	0.11	0.0	0.11
(1,1327)	1:A:23:ALA:HA	1:A:23:ALA:H	5	0.11	0.0	0.11
(1,2622)	1:B:167:VAL:HG21	1:B:171:TRP:HB2	4	0.72	0.21	0.61
(1,2622)	1:B:167:VAL:HG21	1:B:171:TRP:HB3	4	0.72	0.21	0.61
(1,2622)	1:B:167:VAL:HG22	1:B:171:TRP:HB2	4	0.72	0.21	0.61
(1,2622)	1:B:167:VAL:HG22	1:B:171:TRP:HB3	4	0.72	0.21	0.61
(1,2622)	1:B:167:VAL:HG23	1:B:171:TRP:HB2	4	0.72	0.21	0.61
(1,2622)	1:B:167:VAL:HG23	1:B:171:TRP:HB3	4	0.72	0.21	0.61
(1,703)	1:A:61:ALA:HB1	1:A:58:VAL:HG11	4	0.43	0.31	0.4
(1,703)	1:A:61:ALA:HB1	1:A:58:VAL:HG12	4	0.43	0.31	0.4
(1,703)	1:A:61:ALA:HB1	1:A:58:VAL:HG13	4	0.43	0.31	0.4
(1,703)	1:A:61:ALA:HB2	1:A:58:VAL:HG11	4	0.43	0.31	0.4
(1,703)	1:A:61:ALA:HB2	1:A:58:VAL:HG12	4	0.43	0.31	0.4
(1,703)	1:A:61:ALA:HB2	1:A:58:VAL:HG13	4	0.43	0.31	0.4
(1,703)	1:A:61:ALA:HB3	1:A:58:VAL:HG11	4	0.43	0.31	0.4
(1,703)	1:A:61:ALA:HB3	1:A:58:VAL:HG12	4	0.43	0.31	0.4
(1,703)	1:A:61:ALA:HB3	1:A:58:VAL:HG13	4	0.43	0.31	0.4

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1091)	1:A:52:VAL:HG21	1:A:55:ILE:HD11	4	0.24	0.07	0.25
(1,1091)	1:A:52:VAL:HG21	1:A:55:ILE:HD12	4	0.24	0.07	0.25
(1,1091)	1:A:52:VAL:HG21	1:A:55:ILE:HD13	4	0.24	0.07	0.25
(1,1091)	1:A:52:VAL:HG22	1:A:55:ILE:HD11	4	0.24	0.07	0.25
(1,1091)	1:A:52:VAL:HG22	1:A:55:ILE:HD12	4	0.24	0.07	0.25
(1,1091)	1:A:52:VAL:HG22	1:A:55:ILE:HD13	4	0.24	0.07	0.25
(1,1091)	1:A:52:VAL:HG23	1:A:55:ILE:HD11	4	0.24	0.07	0.25
(1,1091)	1:A:52:VAL:HG23	1:A:55:ILE:HD12	4	0.24	0.07	0.25
(1,1091)	1:A:52:VAL:HG23	1:A:55:ILE:HD13	4	0.24	0.07	0.25
(1,805)	1:A:33:VAL:HG11	1:A:62:ILE:HD11	4	0.23	0.2	0.12
(1,805)	1:A:33:VAL:HG11	1:A:62:ILE:HD12	4	0.23	0.2	0.12
(1,805)	1:A:33:VAL:HG11	1:A:62:ILE:HD13	4	0.23	0.2	0.12
(1,805)	1:A:33:VAL:HG12	1:A:62:ILE:HD11	4	0.23	0.2	0.12
(1,805)	1:A:33:VAL:HG12	1:A:62:ILE:HD12	4	0.23	0.2	0.12
(1,805)	1:A:33:VAL:HG12	1:A:62:ILE:HD13	4	0.23	0.2	0.12
(1,805)	1:A:33:VAL:HG13	1:A:62:ILE:HD11	4	0.23	0.2	0.12
(1,805)	1:A:33:VAL:HG13	1:A:62:ILE:HD12	4	0.23	0.2	0.12
(1,805)	1:A:33:VAL:HG13	1:A:62:ILE:HD13	4	0.23	0.2	0.12
(1,1371)	1:A:32:ALA:HA	1:A:36:ALA:H	4	0.16	0.02	0.16
(2,12)	1:B:90:ALA:HB1	1:A:55:ILE:HD11	4	0.14	0.02	0.14
(2,12)	1:B:90:ALA:HB1	1:A:55:ILE:HD12	4	0.14	0.02	0.14
(2,12)	1:B:90:ALA:HB1	1:A:55:ILE:HD13	4	0.14	0.02	0.14
(2,12)	1:B:90:ALA:HB2	1:A:55:ILE:HD11	4	0.14	0.02	0.14
(2,12)	1:B:90:ALA:HB2	1:A:55:ILE:HD12	4	0.14	0.02	0.14
(2,12)	1:B:90:ALA:HB2	1:A:55:ILE:HD13	4	0.14	0.02	0.14
(2,12)	1:B:90:ALA:HB3	1:A:55:ILE:HD11	4	0.14	0.02	0.14
(2,12)	1:B:90:ALA:HB3	1:A:55:ILE:HD12	4	0.14	0.02	0.14
(2,12)	1:B:90:ALA:HB3	1:A:55:ILE:HD13	4	0.14	0.02	0.14
(1,1182)	1:A:88:ASP:H	1:A:89:MET:H	4	0.14	0.04	0.12
(1,1115)	1:A:49:VAL:HG11	1:A:50:LEU:H	4	0.13	0.01	0.14
(1,1115)	1:A:49:VAL:HG12	1:A:50:LEU:H	4	0.13	0.01	0.14
(1,1115)	1:A:49:VAL:HG13	1:A:50:LEU:H	4	0.13	0.01	0.14
(1,1115)	1:A:49:VAL:HG11	1:A:50:LEU:H	4	0.13	0.01	0.14
(1,1115)	1:A:49:VAL:HG12	1:A:50:LEU:H	4	0.13	0.01	0.14
(1,1115)	1:A:49:VAL:HG13	1:A:50:LEU:H	4	0.13	0.01	0.14
(1,1115)	1:A:49:VAL:HG11	1:A:50:LEU:H	4	0.13	0.01	0.14
(1,1115)	1:A:49:VAL:HG12	1:A:50:LEU:H	4	0.13	0.01	0.14
(1,1115)	1:A:49:VAL:HG13	1:A:50:LEU:H	4	0.13	0.01	0.14
(1,2681)	1:B:138:VAL:HG11	1:B:139:LEU:H	4	0.13	0.02	0.12
(1,2681)	1:B:138:VAL:HG12	1:B:139:LEU:H	4	0.13	0.02	0.12
(1,2681)	1:B:138:VAL:HG13	1:B:139:LEU:H	4	0.13	0.02	0.12
(1,2681)	1:B:138:VAL:HG11	1:B:139:LEU:H	4	0.13	0.02	0.12

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2681)	1:B:138:VAL:HG12	1:B:139:LEU:H	4	0.13	0.02	0.12
(1,2681)	1:B:138:VAL:HG13	1:B:139:LEU:H	4	0.13	0.02	0.12
(1,2681)	1:B:138:VAL:HG11	1:B:139:LEU:H	4	0.13	0.02	0.12
(1,2681)	1:B:138:VAL:HG12	1:B:139:LEU:H	4	0.13	0.02	0.12
(1,2681)	1:B:138:VAL:HG13	1:B:139:LEU:H	4	0.13	0.02	0.12
(1,2907)	1:B:97:ASP:HA	1:B:97:ASP:H	4	0.12	0.01	0.12
(1,3047)	1:B:106:THR:H	1:B:105:TRP:H	4	0.12	0.01	0.12
(1,3104)	1:B:162:ASN:H	1:B:161:ALA:H	4	0.11	0.0	0.11
(1,2216)	1:B:120:THR:H	1:B:122:VAL:HG11	3	1.53	0.04	1.54
(1,2216)	1:B:120:THR:H	1:B:122:VAL:HG12	3	1.53	0.04	1.54
(1,2216)	1:B:120:THR:H	1:B:122:VAL:HG13	3	1.53	0.04	1.54
(1,1574)	1:B:122:VAL:H	1:B:122:VAL:HG11	3	1.01	0.01	1.01
(1,1574)	1:B:122:VAL:H	1:B:122:VAL:HG12	3	1.01	0.01	1.01
(1,1574)	1:B:122:VAL:H	1:B:122:VAL:HG13	3	1.01	0.01	1.01
(1,1733)	1:B:122:VAL:HG21	1:B:167:VAL:HG11	3	0.74	0.17	0.77
(1,1733)	1:B:122:VAL:HG21	1:B:167:VAL:HG12	3	0.74	0.17	0.77
(1,1733)	1:B:122:VAL:HG21	1:B:167:VAL:HG13	3	0.74	0.17	0.77
(1,1733)	1:B:122:VAL:HG22	1:B:167:VAL:HG11	3	0.74	0.17	0.77
(1,1733)	1:B:122:VAL:HG22	1:B:167:VAL:HG12	3	0.74	0.17	0.77
(1,1733)	1:B:122:VAL:HG22	1:B:167:VAL:HG13	3	0.74	0.17	0.77
(1,1733)	1:B:122:VAL:HG23	1:B:167:VAL:HG11	3	0.74	0.17	0.77
(1,1733)	1:B:122:VAL:HG23	1:B:167:VAL:HG12	3	0.74	0.17	0.77
(1,1733)	1:B:122:VAL:HG23	1:B:167:VAL:HG13	3	0.74	0.17	0.77
(1,186)	1:A:78:VAL:HG11	1:A:33:VAL:HA	3	0.4	0.15	0.33
(1,186)	1:A:78:VAL:HG12	1:A:33:VAL:HA	3	0.4	0.15	0.33
(1,186)	1:A:78:VAL:HG13	1:A:33:VAL:HA	3	0.4	0.15	0.33
(1,677)	1:A:33:VAL:HA	1:A:78:VAL:HG11	3	0.4	0.15	0.33
(1,677)	1:A:33:VAL:HA	1:A:78:VAL:HG12	3	0.4	0.15	0.33
(1,677)	1:A:33:VAL:HA	1:A:78:VAL:HG13	3	0.4	0.15	0.33
(1,730)	1:A:78:VAL:HG11	1:A:33:VAL:HG21	3	0.36	0.23	0.26
(1,730)	1:A:78:VAL:HG11	1:A:33:VAL:HG22	3	0.36	0.23	0.26
(1,730)	1:A:78:VAL:HG11	1:A:33:VAL:HG23	3	0.36	0.23	0.26
(1,730)	1:A:78:VAL:HG12	1:A:33:VAL:HG21	3	0.36	0.23	0.26
(1,730)	1:A:78:VAL:HG12	1:A:33:VAL:HG22	3	0.36	0.23	0.26
(1,730)	1:A:78:VAL:HG12	1:A:33:VAL:HG23	3	0.36	0.23	0.26
(1,730)	1:A:78:VAL:HG13	1:A:33:VAL:HG21	3	0.36	0.23	0.26
(1,730)	1:A:78:VAL:HG13	1:A:33:VAL:HG22	3	0.36	0.23	0.26
(1,730)	1:A:78:VAL:HG13	1:A:33:VAL:HG23	3	0.36	0.23	0.26
(1,2422)	1:B:124:PHE:HB2	1:B:128:LEU:HD11	3	0.35	0.16	0.38
(1,2422)	1:B:124:PHE:HB2	1:B:128:LEU:HD12	3	0.35	0.16	0.38
(1,2422)	1:B:124:PHE:HB2	1:B:128:LEU:HD13	3	0.35	0.16	0.38
(1,2422)	1:B:124:PHE:HB3	1:B:128:LEU:HD11	3	0.35	0.16	0.38

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2422)	1:B:124:PHE:HB3	1:B:128:LEU:HD12	3	0.35	0.16	0.38
(1,2422)	1:B:124:PHE:HB3	1:B:128:LEU:HD13	3	0.35	0.16	0.38
(1,2352)	1:B:122:VAL:HG21	1:B:125:ALA:HB1	3	0.26	0.09	0.22
(1,2352)	1:B:122:VAL:HG21	1:B:125:ALA:HB2	3	0.26	0.09	0.22
(1,2352)	1:B:122:VAL:HG21	1:B:125:ALA:HB3	3	0.26	0.09	0.22
(1,2352)	1:B:122:VAL:HG22	1:B:125:ALA:HB1	3	0.26	0.09	0.22
(1,2352)	1:B:122:VAL:HG22	1:B:125:ALA:HB2	3	0.26	0.09	0.22
(1,2352)	1:B:122:VAL:HG22	1:B:125:ALA:HB3	3	0.26	0.09	0.22
(1,2352)	1:B:122:VAL:HG23	1:B:125:ALA:HB1	3	0.26	0.09	0.22
(1,2352)	1:B:122:VAL:HG23	1:B:125:ALA:HB2	3	0.26	0.09	0.22
(1,2352)	1:B:122:VAL:HG23	1:B:125:ALA:HB3	3	0.26	0.09	0.22
(1,1731)	1:B:167:VAL:HG11	1:B:151:ILE:HD11	3	0.23	0.05	0.26
(1,1731)	1:B:167:VAL:HG11	1:B:151:ILE:HD12	3	0.23	0.05	0.26
(1,1731)	1:B:167:VAL:HG11	1:B:151:ILE:HD13	3	0.23	0.05	0.26
(1,1731)	1:B:167:VAL:HG12	1:B:151:ILE:HD11	3	0.23	0.05	0.26
(1,1731)	1:B:167:VAL:HG12	1:B:151:ILE:HD12	3	0.23	0.05	0.26
(1,1731)	1:B:167:VAL:HG12	1:B:151:ILE:HD13	3	0.23	0.05	0.26
(1,1731)	1:B:167:VAL:HG13	1:B:151:ILE:HD11	3	0.23	0.05	0.26
(1,1731)	1:B:167:VAL:HG13	1:B:151:ILE:HD12	3	0.23	0.05	0.26
(1,1731)	1:B:167:VAL:HG13	1:B:151:ILE:HD13	3	0.23	0.05	0.26
(1,630)	1:A:22:LEU:HD21	1:A:70:LYS:HG2	3	0.19	0.09	0.14
(1,630)	1:A:22:LEU:HD21	1:A:70:LYS:HG3	3	0.19	0.09	0.14
(1,630)	1:A:22:LEU:HD22	1:A:70:LYS:HG2	3	0.19	0.09	0.14
(1,630)	1:A:22:LEU:HD22	1:A:70:LYS:HG3	3	0.19	0.09	0.14
(1,630)	1:A:22:LEU:HD23	1:A:70:LYS:HG2	3	0.19	0.09	0.14
(1,630)	1:A:22:LEU:HD23	1:A:70:LYS:HG3	3	0.19	0.09	0.14
(1,3310)	1:B:139:LEU:HA	1:A:32:ALA:HA	3	0.17	0.04	0.18
(2,4)	1:A:4:GLN:HE21	1:B:140:ASP:HB2	3	0.17	0.02	0.16
(2,4)	1:A:4:GLN:HE21	1:B:140:ASP:HB3	3	0.17	0.02	0.16
(2,4)	1:A:4:GLN:HE22	1:B:140:ASP:HB2	3	0.17	0.02	0.16
(2,4)	1:A:4:GLN:HE22	1:B:140:ASP:HB3	3	0.17	0.02	0.16
(1,3288)	1:B:102:VAL:H	1:A:49:VAL:HG11	3	0.16	0.06	0.12
(1,3288)	1:B:102:VAL:H	1:A:49:VAL:HG12	3	0.16	0.06	0.12
(1,3288)	1:B:102:VAL:H	1:A:49:VAL:HG13	3	0.16	0.06	0.12
(1,940)	1:A:42:LYS:H	1:A:42:LYS:HD2	3	0.15	0.02	0.16
(1,940)	1:A:42:LYS:H	1:A:42:LYS:HD3	3	0.15	0.02	0.16
(2,8)	1:A:5:LYS:HG2	1:B:141:VAL:HA	3	0.15	0.02	0.17
(2,8)	1:A:5:LYS:HG3	1:B:141:VAL:HA	3	0.15	0.02	0.17
(1,2343)	1:B:166:LYS:HE2	1:B:154:ALA:HB1	3	0.14	0.03	0.13
(1,2343)	1:B:166:LYS:HE2	1:B:154:ALA:HB2	3	0.14	0.03	0.13
(1,2343)	1:B:166:LYS:HE2	1:B:154:ALA:HB3	3	0.14	0.03	0.13
(1,2343)	1:B:166:LYS:HE3	1:B:154:ALA:HB1	3	0.14	0.03	0.13

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2343)	1:B:166:LYS:HE3	1:B:154:ALA:HB2	3	0.14	0.03	0.13
(1,2343)	1:B:166:LYS:HE3	1:B:154:ALA:HB3	3	0.14	0.03	0.13
(1,2212)	1:B:144:ILE:HG21	1:B:122:VAL:HG11	3	0.14	0.02	0.15
(1,2212)	1:B:144:ILE:HG21	1:B:122:VAL:HG12	3	0.14	0.02	0.15
(1,2212)	1:B:144:ILE:HG21	1:B:122:VAL:HG13	3	0.14	0.02	0.15
(1,2212)	1:B:144:ILE:HG22	1:B:122:VAL:HG11	3	0.14	0.02	0.15
(1,2212)	1:B:144:ILE:HG22	1:B:122:VAL:HG12	3	0.14	0.02	0.15
(1,2212)	1:B:144:ILE:HG22	1:B:122:VAL:HG13	3	0.14	0.02	0.15
(1,2212)	1:B:144:ILE:HG23	1:B:122:VAL:HG11	3	0.14	0.02	0.15
(1,2212)	1:B:144:ILE:HG23	1:B:122:VAL:HG12	3	0.14	0.02	0.15
(1,2212)	1:B:144:ILE:HG23	1:B:122:VAL:HG13	3	0.14	0.02	0.15
(1,2328)	1:B:166:LYS:HD2	1:B:161:ALA:HB1	3	0.14	0.02	0.14
(1,2328)	1:B:166:LYS:HD2	1:B:161:ALA:HB2	3	0.14	0.02	0.14
(1,2328)	1:B:166:LYS:HD2	1:B:161:ALA:HB3	3	0.14	0.02	0.14
(1,2328)	1:B:166:LYS:HD3	1:B:161:ALA:HB1	3	0.14	0.02	0.14
(1,2328)	1:B:166:LYS:HD3	1:B:161:ALA:HB2	3	0.14	0.02	0.14
(1,2328)	1:B:166:LYS:HD3	1:B:161:ALA:HB3	3	0.14	0.02	0.14
(1,2641)	1:B:175:LYS:HA	1:B:175:LYS:HD2	3	0.14	0.01	0.14
(1,2641)	1:B:175:LYS:HA	1:B:175:LYS:HD3	3	0.14	0.01	0.14
(1,366)	1:A:10:LYS:HD2	1:A:12:PRO:HD2	3	0.13	0.02	0.12
(1,366)	1:A:10:LYS:HD2	1:A:12:PRO:HD3	3	0.13	0.02	0.12
(1,366)	1:A:10:LYS:HD3	1:A:12:PRO:HD2	3	0.13	0.02	0.12
(1,366)	1:A:10:LYS:HD3	1:A:12:PRO:HD3	3	0.13	0.02	0.12
(1,747)	1:A:60:PRO:HA	1:A:63:VAL:HG21	3	0.13	0.02	0.12
(1,747)	1:A:60:PRO:HA	1:A:63:VAL:HG22	3	0.13	0.02	0.12
(1,747)	1:A:60:PRO:HA	1:A:63:VAL:HG23	3	0.13	0.02	0.12
(1,1065)	1:A:88:ASP:H	1:A:86:LYS:HA	3	0.12	0.0	0.12
(1,2702)	1:B:147:VAL:HA	1:B:147:VAL:H	3	0.12	0.0	0.12
(1,3152)	1:A:12:PRO:HA	1:B:138:VAL:HB	3	0.12	0.0	0.12
(1,664)	1:A:43:ASP:H	1:A:42:LYS:HG2	3	0.11	0.0	0.11
(1,664)	1:A:43:ASP:H	1:A:42:LYS:HG3	3	0.11	0.0	0.11
(1,1222)	1:A:85:ILE:HG21	1:A:86:LYS:H	3	0.11	0.0	0.11
(1,1222)	1:A:85:ILE:HG22	1:A:86:LYS:H	3	0.11	0.0	0.11
(1,1222)	1:A:85:ILE:HG23	1:A:86:LYS:H	3	0.11	0.0	0.11
(1,1517)	1:A:42:LYS:HG2	1:A:43:ASP:H	3	0.11	0.0	0.11
(1,1517)	1:A:42:LYS:HG3	1:A:43:ASP:H	3	0.11	0.0	0.11
(1,1927)	1:B:112:ALA:H	1:B:112:ALA:HA	3	0.11	0.0	0.11
(1,2078)	1:B:170:GLU:HA	1:B:173:LYS:HB2	3	0.11	0.0	0.11
(1,2078)	1:B:170:GLU:HA	1:B:173:LYS:HB3	3	0.11	0.0	0.11
(1,2565)	1:B:150:ALA:H	1:B:148:THR:HG21	3	0.11	0.0	0.11
(1,2565)	1:B:150:ALA:H	1:B:148:THR:HG22	3	0.11	0.0	0.11
(1,2565)	1:B:150:ALA:H	1:B:148:THR:HG23	3	0.11	0.0	0.11

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2893)	1:B:112:ALA:HA	1:B:112:ALA:H	3	0.11	0.0	0.11
(1,3200)	1:A:48:ALA:H	1:B:128:LEU:HG	3	0.11	0.0	0.11
(1,1867)	1:B:131:LYS:H	1:B:131:LYS:HA	3	0.11	0.0	0.11
(1,2839)	1:B:131:LYS:HA	1:B:131:LYS:H	3	0.11	0.0	0.11
(1,356)	1:A:49:VAL:HG21	1:A:48:ALA:HA	2	2.04	0.02	2.04
(1,356)	1:A:49:VAL:HG22	1:A:48:ALA:HA	2	2.04	0.02	2.04
(1,356)	1:A:49:VAL:HG23	1:A:48:ALA:HA	2	2.04	0.02	2.04
(1,700)	1:A:82:TRP:H	1:A:58:VAL:HG11	2	1.19	0.01	1.19
(1,700)	1:A:82:TRP:H	1:A:58:VAL:HG12	2	1.19	0.01	1.19
(1,700)	1:A:82:TRP:H	1:A:58:VAL:HG13	2	1.19	0.01	1.19
(1,17)	1:A:49:VAL:H	1:A:49:VAL:HG21	2	1.15	0.03	1.15
(1,17)	1:A:49:VAL:H	1:A:49:VAL:HG22	2	1.15	0.03	1.15
(1,17)	1:A:49:VAL:H	1:A:49:VAL:HG23	2	1.15	0.03	1.15
(1,1170)	1:A:49:VAL:HG21	1:A:49:VAL:H	2	1.15	0.03	1.15
(1,1170)	1:A:49:VAL:HG22	1:A:49:VAL:H	2	1.15	0.03	1.15
(1,1170)	1:A:49:VAL:HG23	1:A:49:VAL:H	2	1.15	0.03	1.15
(1,15)	1:A:58:VAL:H	1:A:58:VAL:HG21	2	0.86	0.02	0.86
(1,15)	1:A:58:VAL:H	1:A:58:VAL:HG22	2	0.86	0.02	0.86
(1,15)	1:A:58:VAL:H	1:A:58:VAL:HG23	2	0.86	0.02	0.86
(1,2307)	1:B:122:VAL:HG21	1:B:167:VAL:HG21	2	0.86	0.38	0.86
(1,2307)	1:B:122:VAL:HG21	1:B:167:VAL:HG22	2	0.86	0.38	0.86
(1,2307)	1:B:122:VAL:HG21	1:B:167:VAL:HG23	2	0.86	0.38	0.86
(1,2307)	1:B:122:VAL:HG22	1:B:167:VAL:HG21	2	0.86	0.38	0.86
(1,2307)	1:B:122:VAL:HG22	1:B:167:VAL:HG22	2	0.86	0.38	0.86
(1,2307)	1:B:122:VAL:HG22	1:B:167:VAL:HG23	2	0.86	0.38	0.86
(1,2307)	1:B:122:VAL:HG23	1:B:167:VAL:HG21	2	0.86	0.38	0.86
(1,2307)	1:B:122:VAL:HG23	1:B:167:VAL:HG22	2	0.86	0.38	0.86
(1,2307)	1:B:122:VAL:HG23	1:B:167:VAL:HG23	2	0.86	0.38	0.86
(1,2460)	1:B:108:GLU:HA	1:B:111:LEU:HD11	2	0.66	0.1	0.66
(1,2460)	1:B:108:GLU:HA	1:B:111:LEU:HD12	2	0.66	0.1	0.66
(1,2460)	1:B:108:GLU:HA	1:B:111:LEU:HD13	2	0.66	0.1	0.66
(1,2662)	1:B:111:LEU:HD11	1:B:108:GLU:HA	2	0.66	0.1	0.66
(1,2662)	1:B:111:LEU:HD12	1:B:108:GLU:HA	2	0.66	0.1	0.66
(1,2662)	1:B:111:LEU:HD13	1:B:108:GLU:HA	2	0.66	0.1	0.66
(1,705)	1:A:85:ILE:HD11	1:A:58:VAL:HG11	2	0.61	0.07	0.61
(1,705)	1:A:85:ILE:HD11	1:A:58:VAL:HG12	2	0.61	0.07	0.61
(1,705)	1:A:85:ILE:HD11	1:A:58:VAL:HG13	2	0.61	0.07	0.61
(1,705)	1:A:85:ILE:HD12	1:A:58:VAL:HG11	2	0.61	0.07	0.61
(1,705)	1:A:85:ILE:HD12	1:A:58:VAL:HG12	2	0.61	0.07	0.61
(1,705)	1:A:85:ILE:HD12	1:A:58:VAL:HG13	2	0.61	0.07	0.61
(1,705)	1:A:85:ILE:HD13	1:A:58:VAL:HG11	2	0.61	0.07	0.61
(1,705)	1:A:85:ILE:HD13	1:A:58:VAL:HG12	2	0.61	0.07	0.61

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,705)	1:A:85:ILE:HD13	1:A:58:VAL:HG13	2	0.61	0.07	0.61
(1,2267)	1:B:144:ILE:HA	1:B:147:VAL:HG11	2	0.6	0.04	0.6
(1,2267)	1:B:144:ILE:HA	1:B:147:VAL:HG12	2	0.6	0.04	0.6
(1,2267)	1:B:144:ILE:HA	1:B:147:VAL:HG13	2	0.6	0.04	0.6
(1,1907)	1:B:102:VAL:HG21	1:B:125:ALA:HA	2	0.57	0.38	0.57
(1,1907)	1:B:102:VAL:HG22	1:B:125:ALA:HA	2	0.57	0.38	0.57
(1,1907)	1:B:102:VAL:HG23	1:B:125:ALA:HA	2	0.57	0.38	0.57
(1,2196)	1:B:111:LEU:HD21	1:B:159:LYS:HG2	2	0.4	0.14	0.4
(1,2196)	1:B:111:LEU:HD21	1:B:159:LYS:HG3	2	0.4	0.14	0.4
(1,2196)	1:B:111:LEU:HD22	1:B:159:LYS:HG2	2	0.4	0.14	0.4
(1,2196)	1:B:111:LEU:HD22	1:B:159:LYS:HG3	2	0.4	0.14	0.4
(1,2196)	1:B:111:LEU:HD23	1:B:159:LYS:HG2	2	0.4	0.14	0.4
(1,2196)	1:B:111:LEU:HD23	1:B:159:LYS:HG3	2	0.4	0.14	0.4
(1,2534)	1:B:139:LEU:HD11	1:B:141:VAL:HG11	2	0.38	0.05	0.38
(1,2534)	1:B:139:LEU:HD11	1:B:141:VAL:HG12	2	0.38	0.05	0.38
(1,2534)	1:B:139:LEU:HD11	1:B:141:VAL:HG13	2	0.38	0.05	0.38
(1,2534)	1:B:139:LEU:HD12	1:B:141:VAL:HG11	2	0.38	0.05	0.38
(1,2534)	1:B:139:LEU:HD12	1:B:141:VAL:HG12	2	0.38	0.05	0.38
(1,2534)	1:B:139:LEU:HD12	1:B:141:VAL:HG13	2	0.38	0.05	0.38
(1,2534)	1:B:139:LEU:HD13	1:B:141:VAL:HG11	2	0.38	0.05	0.38
(1,2534)	1:B:139:LEU:HD13	1:B:141:VAL:HG12	2	0.38	0.05	0.38
(1,2534)	1:B:139:LEU:HD13	1:B:141:VAL:HG13	2	0.38	0.05	0.38
(1,1047)	1:A:81:GLU:HB2	1:A:78:VAL:HG21	2	0.36	0.1	0.36
(1,1047)	1:A:81:GLU:HB2	1:A:78:VAL:HG22	2	0.36	0.1	0.36
(1,1047)	1:A:81:GLU:HB2	1:A:78:VAL:HG23	2	0.36	0.1	0.36
(1,1047)	1:A:81:GLU:HB3	1:A:78:VAL:HG21	2	0.36	0.1	0.36
(1,1047)	1:A:81:GLU:HB3	1:A:78:VAL:HG22	2	0.36	0.1	0.36
(1,1047)	1:A:81:GLU:HB3	1:A:78:VAL:HG23	2	0.36	0.1	0.36
(1,635)	1:A:22:LEU:H	1:A:22:LEU:HD21	2	0.35	0.19	0.35
(1,635)	1:A:22:LEU:H	1:A:22:LEU:HD22	2	0.35	0.19	0.35
(1,635)	1:A:22:LEU:H	1:A:22:LEU:HD23	2	0.35	0.19	0.35
(1,1497)	1:A:22:LEU:HD21	1:A:22:LEU:H	2	0.35	0.19	0.35
(1,1497)	1:A:22:LEU:HD22	1:A:22:LEU:H	2	0.35	0.19	0.35
(1,1497)	1:A:22:LEU:HD23	1:A:22:LEU:H	2	0.35	0.19	0.35
(1,2657)	1:B:141:VAL:HG21	1:B:144:ILE:HD11	2	0.34	0.05	0.34
(1,2657)	1:B:141:VAL:HG21	1:B:144:ILE:HD12	2	0.34	0.05	0.34
(1,2657)	1:B:141:VAL:HG21	1:B:144:ILE:HD13	2	0.34	0.05	0.34
(1,2657)	1:B:141:VAL:HG22	1:B:144:ILE:HD11	2	0.34	0.05	0.34
(1,2657)	1:B:141:VAL:HG22	1:B:144:ILE:HD12	2	0.34	0.05	0.34
(1,2657)	1:B:141:VAL:HG22	1:B:144:ILE:HD13	2	0.34	0.05	0.34
(1,2657)	1:B:141:VAL:HG23	1:B:144:ILE:HD11	2	0.34	0.05	0.34
(1,2657)	1:B:141:VAL:HG23	1:B:144:ILE:HD12	2	0.34	0.05	0.34

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2657)	1:B:141:VAL:HG23	1:B:144:ILE:HD13	2	0.34	0.05	0.34
(1,1056)	1:A:78:VAL:HG21	1:A:82:TRP:HB2	2	0.32	0.2	0.32
(1,1056)	1:A:78:VAL:HG21	1:A:82:TRP:HB3	2	0.32	0.2	0.32
(1,1056)	1:A:78:VAL:HG22	1:A:82:TRP:HB2	2	0.32	0.2	0.32
(1,1056)	1:A:78:VAL:HG22	1:A:82:TRP:HB3	2	0.32	0.2	0.32
(1,1056)	1:A:78:VAL:HG23	1:A:82:TRP:HB2	2	0.32	0.2	0.32
(1,1056)	1:A:78:VAL:HG23	1:A:82:TRP:HB3	2	0.32	0.2	0.32
(1,2215)	1:B:119:PRO:HA	1:B:122:VAL:HG11	2	0.26	0.01	0.26
(1,2215)	1:B:119:PRO:HA	1:B:122:VAL:HG12	2	0.26	0.01	0.26
(1,2215)	1:B:119:PRO:HA	1:B:122:VAL:HG13	2	0.26	0.01	0.26
(1,2266)	1:B:171:TRP:H	1:B:147:VAL:HG11	2	0.22	0.02	0.22
(1,2266)	1:B:171:TRP:H	1:B:147:VAL:HG12	2	0.22	0.02	0.22
(1,2266)	1:B:171:TRP:H	1:B:147:VAL:HG13	2	0.22	0.02	0.22
(1,1834)	1:B:159:LYS:HA	1:B:107:CYS:HA	2	0.19	0.01	0.19
(2,5)	1:A:1:ALA:HB1	1:B:144:ILE:HD11	2	0.18	0.04	0.18
(2,5)	1:A:1:ALA:HB1	1:B:144:ILE:HD12	2	0.18	0.04	0.18
(2,5)	1:A:1:ALA:HB1	1:B:144:ILE:HD13	2	0.18	0.04	0.18
(2,5)	1:A:1:ALA:HB2	1:B:144:ILE:HD11	2	0.18	0.04	0.18
(2,5)	1:A:1:ALA:HB2	1:B:144:ILE:HD12	2	0.18	0.04	0.18
(2,5)	1:A:1:ALA:HB2	1:B:144:ILE:HD13	2	0.18	0.04	0.18
(2,5)	1:A:1:ALA:HB3	1:B:144:ILE:HD11	2	0.18	0.04	0.18
(2,5)	1:A:1:ALA:HB3	1:B:144:ILE:HD12	2	0.18	0.04	0.18
(2,5)	1:A:1:ALA:HB3	1:B:144:ILE:HD13	2	0.18	0.04	0.18
(1,28)	1:A:68:GLN:H	1:A:65:ALA:HB1	2	0.17	0.0	0.17
(1,28)	1:A:68:GLN:H	1:A:65:ALA:HB2	2	0.17	0.0	0.17
(1,28)	1:A:68:GLN:H	1:A:65:ALA:HB3	2	0.17	0.0	0.17
(1,1039)	1:A:77:LYS:HB2	1:A:74:PHE:HA	2	0.16	0.06	0.16
(1,1039)	1:A:77:LYS:HB3	1:A:74:PHE:HA	2	0.16	0.06	0.16
(1,306)	1:A:77:LYS:HG2	1:A:77:LYS:HA	2	0.14	0.02	0.14
(1,306)	1:A:77:LYS:HG3	1:A:77:LYS:HA	2	0.14	0.02	0.14
(1,2511)	1:B:102:VAL:HG21	1:B:164:LYS:HD2	2	0.14	0.0	0.14
(1,2511)	1:B:102:VAL:HG21	1:B:164:LYS:HD3	2	0.14	0.0	0.14
(1,2511)	1:B:102:VAL:HG22	1:B:164:LYS:HD2	2	0.14	0.0	0.14
(1,2511)	1:B:102:VAL:HG22	1:B:164:LYS:HD3	2	0.14	0.0	0.14
(1,2511)	1:B:102:VAL:HG23	1:B:164:LYS:HD2	2	0.14	0.0	0.14
(1,2511)	1:B:102:VAL:HG23	1:B:164:LYS:HD3	2	0.14	0.0	0.14
(1,3264)	1:B:101:PRO:HA	1:A:49:VAL:HB	2	0.14	0.01	0.14
(1,341)	1:A:13:VAL:HG21	1:A:36:ALA:HA	2	0.13	0.01	0.13
(1,341)	1:A:13:VAL:HG22	1:A:36:ALA:HA	2	0.13	0.01	0.13
(1,341)	1:A:13:VAL:HG23	1:A:36:ALA:HA	2	0.13	0.01	0.13
(1,411)	1:A:85:ILE:HA	1:A:84:LYS:HE2	2	0.12	0.01	0.12
(1,411)	1:A:85:ILE:HA	1:A:84:LYS:HE3	2	0.12	0.01	0.12

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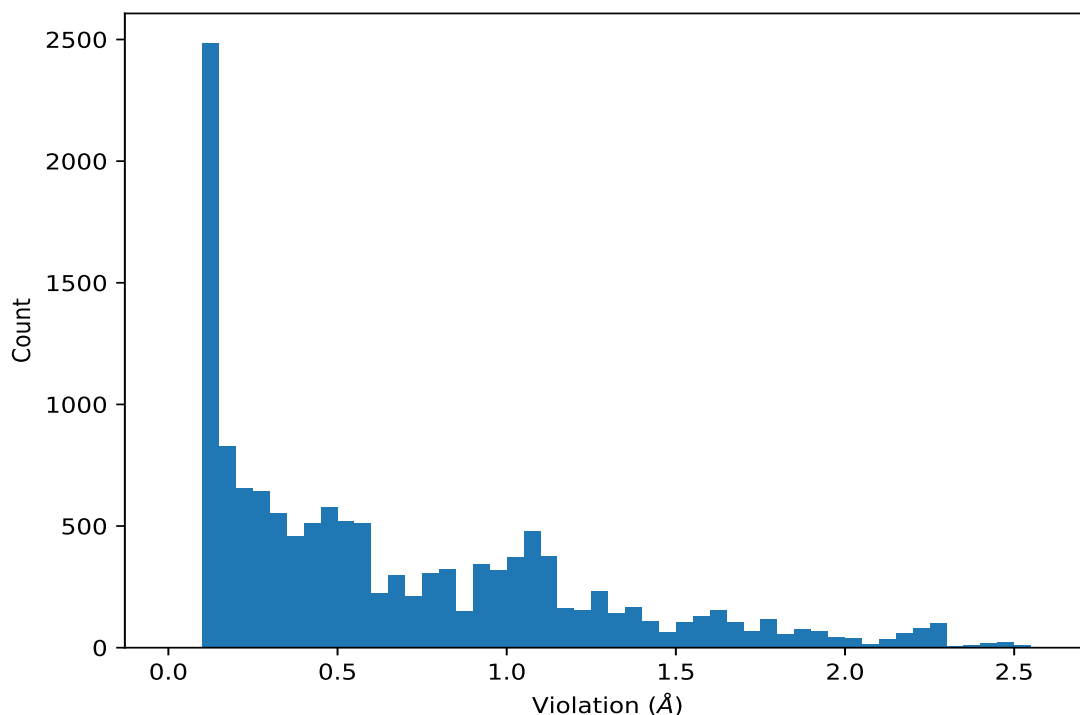
Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1977)	1:B:174:ILE:HA	1:B:173:LYS:HE2	2	0.12	0.0	0.12
(1,1977)	1:B:174:ILE:HA	1:B:173:LYS:HE3	2	0.12	0.0	0.12
(1,3178)	1:A:8:ASP:H	1:B:138:VAL:HG11	2	0.12	0.01	0.12
(1,3178)	1:A:8:ASP:H	1:B:138:VAL:HG12	2	0.12	0.01	0.12
(1,3178)	1:A:8:ASP:H	1:B:138:VAL:HG13	2	0.12	0.01	0.12
(1,983)	1:A:58:VAL:HB	1:A:57:THR:HB	2	0.12	0.0	0.12
(1,1322)	1:A:70:LYS:HA	1:A:69:ASP:H	2	0.12	0.0	0.12
(1,1736)	1:B:128:LEU:HG	1:B:127:ALA:HB1	2	0.12	0.0	0.12
(1,1736)	1:B:128:LEU:HG	1:B:127:ALA:HB2	2	0.12	0.0	0.12
(1,1736)	1:B:128:LEU:HG	1:B:127:ALA:HB3	2	0.12	0.0	0.12
(1,2277)	1:B:105:TRP:HA	1:B:106:THR:HG21	2	0.12	0.0	0.12
(1,2277)	1:B:105:TRP:HA	1:B:106:THR:HG22	2	0.12	0.0	0.12
(1,2277)	1:B:105:TRP:HA	1:B:106:THR:HG23	2	0.12	0.0	0.12
(1,2971)	1:B:156:THR:HG21	1:B:156:THR:H	2	0.12	0.0	0.12
(1,2971)	1:B:156:THR:HG22	1:B:156:THR:H	2	0.12	0.0	0.12
(1,2971)	1:B:156:THR:HG23	1:B:156:THR:H	2	0.12	0.0	0.12
(1,65)	1:A:85:ILE:HB	1:A:85:ILE:HA	2	0.11	0.0	0.11
(1,96)	1:A:85:ILE:HA	1:A:85:ILE:HB	2	0.11	0.0	0.11
(1,2080)	1:B:173:LYS:HE2	1:B:173:LYS:HB2	2	0.11	0.0	0.11
(1,2080)	1:B:173:LYS:HE2	1:B:173:LYS:HB3	2	0.11	0.0	0.11
(1,2080)	1:B:173:LYS:HE3	1:B:173:LYS:HB2	2	0.11	0.0	0.11
(1,2080)	1:B:173:LYS:HE3	1:B:173:LYS:HB3	2	0.11	0.0	0.11
(1,2081)	1:B:173:LYS:HD2	1:B:173:LYS:HB2	2	0.11	0.0	0.11
(1,2081)	1:B:173:LYS:HD2	1:B:173:LYS:HB3	2	0.11	0.0	0.11
(1,2081)	1:B:173:LYS:HD3	1:B:173:LYS:HB2	2	0.11	0.0	0.11
(1,2081)	1:B:173:LYS:HD3	1:B:173:LYS:HB3	2	0.11	0.0	0.11
(1,2780)	1:B:166:LYS:HA	1:B:166:LYS:H	2	0.11	0.0	0.11
(1,2869)	1:B:109:ASP:HA	1:B:109:ASP:H	2	0.11	0.0	0.11

<sup>1</sup>Number of violated models, <sup>2</sup>Standard deviation

## 9.5 All violated distance restraints [i](#)

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

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



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

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2606)	1:B:167:VAL:HG11	1:B:163:PHE:HA	2	2.57
(1,2606)	1:B:167:VAL:HG12	1:B:163:PHE:HA	2	2.57
(1,2606)	1:B:167:VAL:HG13	1:B:163:PHE:HA	2	2.57
(1,1352)	1:A:24:VAL:HG21	1:A:28:PHE:H	8	2.55
(1,1352)	1:A:24:VAL:HG22	1:A:28:PHE:H	8	2.55
(1,1352)	1:A:24:VAL:HG23	1:A:28:PHE:H	8	2.55
(1,1352)	1:A:24:VAL:HG21	1:A:28:PHE:H	7	2.54
(1,1352)	1:A:24:VAL:HG22	1:A:28:PHE:H	7	2.54
(1,1352)	1:A:24:VAL:HG23	1:A:28:PHE:H	7	2.54
(1,1040)	1:A:78:VAL:HG11	1:A:74:PHE:HA	20	2.54
(1,1040)	1:A:78:VAL:HG12	1:A:74:PHE:HA	20	2.54
(1,1040)	1:A:78:VAL:HG13	1:A:74:PHE:HA	20	2.54
(1,728)	1:A:37:GLU:HG2	1:A:33:VAL:HG21	9	2.48
(1,728)	1:A:37:GLU:HG2	1:A:33:VAL:HG22	9	2.48
(1,728)	1:A:37:GLU:HG2	1:A:33:VAL:HG23	9	2.48
(1,728)	1:A:37:GLU:HG3	1:A:33:VAL:HG21	9	2.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,728)	1:A:37:GLU:HG3	1:A:33:VAL:HG22	9	2.48
(1,728)	1:A:37:GLU:HG3	1:A:33:VAL:HG23	9	2.48
(1,2918)	1:B:113:VAL:HG21	1:B:117:PHE:H	2	2.48
(1,2918)	1:B:113:VAL:HG22	1:B:117:PHE:H	2	2.48
(1,2918)	1:B:113:VAL:HG23	1:B:117:PHE:H	2	2.48
(1,2918)	1:B:113:VAL:HG21	1:B:117:PHE:H	8	2.48
(1,2918)	1:B:113:VAL:HG22	1:B:117:PHE:H	8	2.48
(1,2918)	1:B:113:VAL:HG23	1:B:117:PHE:H	8	2.48
(1,2294)	1:B:126:GLU:HG2	1:B:122:VAL:HG21	5	2.47
(1,2294)	1:B:126:GLU:HG2	1:B:122:VAL:HG22	5	2.47
(1,2294)	1:B:126:GLU:HG2	1:B:122:VAL:HG23	5	2.47
(1,2294)	1:B:126:GLU:HG3	1:B:122:VAL:HG21	5	2.47
(1,2294)	1:B:126:GLU:HG3	1:B:122:VAL:HG22	5	2.47
(1,2294)	1:B:126:GLU:HG3	1:B:122:VAL:HG23	5	2.47
(1,2918)	1:B:113:VAL:HG21	1:B:117:PHE:H	15	2.46
(1,2918)	1:B:113:VAL:HG22	1:B:117:PHE:H	15	2.46
(1,2918)	1:B:113:VAL:HG23	1:B:117:PHE:H	15	2.46
(1,1352)	1:A:24:VAL:HG21	1:A:28:PHE:H	6	2.45
(1,1352)	1:A:24:VAL:HG22	1:A:28:PHE:H	6	2.45
(1,1352)	1:A:24:VAL:HG23	1:A:28:PHE:H	6	2.45
(1,2918)	1:B:113:VAL:HG21	1:B:117:PHE:H	19	2.44
(1,2918)	1:B:113:VAL:HG22	1:B:117:PHE:H	19	2.44
(1,2918)	1:B:113:VAL:HG23	1:B:117:PHE:H	19	2.44
(1,2918)	1:B:113:VAL:HG21	1:B:117:PHE:H	9	2.43
(1,2918)	1:B:113:VAL:HG22	1:B:117:PHE:H	9	2.43
(1,2918)	1:B:113:VAL:HG23	1:B:117:PHE:H	9	2.43
(1,1352)	1:A:24:VAL:HG21	1:A:28:PHE:H	5	2.43
(1,1352)	1:A:24:VAL:HG22	1:A:28:PHE:H	5	2.43
(1,1352)	1:A:24:VAL:HG23	1:A:28:PHE:H	5	2.43
(1,2918)	1:B:113:VAL:HG21	1:B:117:PHE:H	7	2.42
(1,2918)	1:B:113:VAL:HG22	1:B:117:PHE:H	7	2.42
(1,2918)	1:B:113:VAL:HG23	1:B:117:PHE:H	7	2.42
(1,2918)	1:B:113:VAL:HG21	1:B:117:PHE:H	14	2.42
(1,2918)	1:B:113:VAL:HG22	1:B:117:PHE:H	14	2.42
(1,2918)	1:B:113:VAL:HG23	1:B:117:PHE:H	14	2.42
(1,1352)	1:A:24:VAL:HG21	1:A:28:PHE:H	2	2.42
(1,1352)	1:A:24:VAL:HG22	1:A:28:PHE:H	2	2.42
(1,1352)	1:A:24:VAL:HG23	1:A:28:PHE:H	2	2.42
(1,728)	1:A:37:GLU:HG2	1:A:33:VAL:HG21	3	2.4
(1,728)	1:A:37:GLU:HG2	1:A:33:VAL:HG22	3	2.4
(1,728)	1:A:37:GLU:HG2	1:A:33:VAL:HG23	3	2.4
(1,728)	1:A:37:GLU:HG3	1:A:33:VAL:HG21	3	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,728)	1:A:37:GLU:HG3	1:A:33:VAL:HG22	3	2.4
(1,728)	1:A:37:GLU:HG3	1:A:33:VAL:HG23	3	2.4
(1,1352)	1:A:24:VAL:HG21	1:A:28:PHE:H	1	2.39
(1,1352)	1:A:24:VAL:HG22	1:A:28:PHE:H	1	2.39
(1,1352)	1:A:24:VAL:HG23	1:A:28:PHE:H	1	2.39
(1,1352)	1:A:24:VAL:HG21	1:A:28:PHE:H	11	2.36
(1,1352)	1:A:24:VAL:HG22	1:A:28:PHE:H	11	2.36
(1,1352)	1:A:24:VAL:HG23	1:A:28:PHE:H	11	2.36
(1,728)	1:A:37:GLU:HG2	1:A:33:VAL:HG21	12	2.34
(1,728)	1:A:37:GLU:HG2	1:A:33:VAL:HG22	12	2.34
(1,728)	1:A:37:GLU:HG2	1:A:33:VAL:HG23	12	2.34
(1,728)	1:A:37:GLU:HG3	1:A:33:VAL:HG21	12	2.34
(1,728)	1:A:37:GLU:HG3	1:A:33:VAL:HG22	12	2.34
(1,728)	1:A:37:GLU:HG3	1:A:33:VAL:HG23	12	2.34
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD11	1	2.3
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD12	1	2.3
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD13	1	2.3
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD11	1	2.3
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD12	1	2.3
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD13	1	2.3
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD11	13	2.3
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD12	13	2.3
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD13	13	2.3
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD11	13	2.3
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD12	13	2.3
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD13	13	2.3
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD11	4	2.3
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD12	4	2.3
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD13	4	2.3
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD11	4	2.3
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD12	4	2.3
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD13	4	2.3
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD11	12	2.3
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD12	12	2.3
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD13	12	2.3
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD11	12	2.3
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD12	12	2.3
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD13	12	2.3
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD11	9	2.29
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD12	9	2.29
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD13	9	2.29
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD11	9	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD12	9	2.29
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD13	9	2.29
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD11	11	2.29
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD12	11	2.29
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD13	11	2.29
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD11	11	2.29
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD12	11	2.29
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD13	11	2.29
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD11	2	2.28
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD12	2	2.28
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD13	2	2.28
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD11	2	2.28
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD12	2	2.28
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD13	2	2.28
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD11	6	2.28
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD12	6	2.28
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD13	6	2.28
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD11	6	2.28
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD12	6	2.28
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD13	6	2.28
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD11	7	2.28
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD12	7	2.28
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD13	7	2.28
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD11	7	2.28
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD12	7	2.28
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD13	7	2.28
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD11	8	2.28
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD12	8	2.28
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD13	8	2.28
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD11	8	2.28
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD12	8	2.28
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD13	8	2.28
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD11	10	2.28
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD12	10	2.28
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD13	10	2.28
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD11	10	2.28
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD12	10	2.28
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD13	10	2.28
(1,798)	1:A:58:VAL:HG21	1:A:85:ILE:HG21	6	2.27
(1,798)	1:A:58:VAL:HG21	1:A:85:ILE:HG22	6	2.27
(1,798)	1:A:58:VAL:HG21	1:A:85:ILE:HG23	6	2.27
(1,798)	1:A:58:VAL:HG22	1:A:85:ILE:HG21	6	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,798)	1:A:58:VAL:HG22	1:A:85:ILE:HG22	6	2.27
(1,798)	1:A:58:VAL:HG22	1:A:85:ILE:HG23	6	2.27
(1,798)	1:A:58:VAL:HG23	1:A:85:ILE:HG21	6	2.27
(1,798)	1:A:58:VAL:HG23	1:A:85:ILE:HG22	6	2.27
(1,798)	1:A:58:VAL:HG23	1:A:85:ILE:HG23	6	2.27
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD11	10	2.27
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD12	10	2.27
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD13	10	2.27
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD11	10	2.27
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD12	10	2.27
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD13	10	2.27
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD11	12	2.27
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD12	12	2.27
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD13	12	2.27
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD11	12	2.27
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD12	12	2.27
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD13	12	2.27
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD11	11	2.26
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD12	11	2.26
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD13	11	2.26
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD11	11	2.26
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD12	11	2.26
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD13	11	2.26
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD11	13	2.26
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD12	13	2.26
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD13	13	2.26
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD11	13	2.26
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD12	13	2.26
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD13	13	2.26
(1,798)	1:A:58:VAL:HG21	1:A:85:ILE:HG21	5	2.24
(1,798)	1:A:58:VAL:HG21	1:A:85:ILE:HG22	5	2.24
(1,798)	1:A:58:VAL:HG21	1:A:85:ILE:HG23	5	2.24
(1,798)	1:A:58:VAL:HG22	1:A:85:ILE:HG21	5	2.24
(1,798)	1:A:58:VAL:HG22	1:A:85:ILE:HG22	5	2.24
(1,798)	1:A:58:VAL:HG22	1:A:85:ILE:HG23	5	2.24
(1,798)	1:A:58:VAL:HG23	1:A:85:ILE:HG21	5	2.24
(1,798)	1:A:58:VAL:HG23	1:A:85:ILE:HG22	5	2.24
(1,798)	1:A:58:VAL:HG23	1:A:85:ILE:HG23	5	2.24
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD11	17	2.24
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD12	17	2.24
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD13	17	2.24
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD11	17	2.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD12	17	2.24
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD13	17	2.24
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD11	18	2.24
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD12	18	2.24
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD13	18	2.24
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD11	18	2.24
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD12	18	2.24
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD13	18	2.24
(1,1323)	1:A:24:VAL:HG11	1:A:23:ALA:H	1	2.24
(1,1323)	1:A:24:VAL:HG12	1:A:23:ALA:H	1	2.24
(1,1323)	1:A:24:VAL:HG13	1:A:23:ALA:H	1	2.24
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD11	20	2.23
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD12	20	2.23
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD13	20	2.23
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD11	20	2.23
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD12	20	2.23
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD13	20	2.23
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD11	5	2.22
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD12	5	2.22
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD13	5	2.22
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD11	5	2.22
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD12	5	2.22
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD13	5	2.22
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD11	8	2.22
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD12	8	2.22
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD13	8	2.22
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD11	8	2.22
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD12	8	2.22
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD13	8	2.22
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD11	1	2.22
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD12	1	2.22
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD13	1	2.22
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD11	1	2.22
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD12	1	2.22
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD13	1	2.22
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD11	19	2.22
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD12	19	2.22
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD13	19	2.22
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD11	19	2.22
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD12	19	2.22
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD13	19	2.22
(1,798)	1:A:58:VAL:HG21	1:A:85:ILE:HG21	15	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,798)	1:A:58:VAL:HG21	1:A:85:ILE:HG22	15	2.21
(1,798)	1:A:58:VAL:HG21	1:A:85:ILE:HG23	15	2.21
(1,798)	1:A:58:VAL:HG22	1:A:85:ILE:HG21	15	2.21
(1,798)	1:A:58:VAL:HG22	1:A:85:ILE:HG22	15	2.21
(1,798)	1:A:58:VAL:HG22	1:A:85:ILE:HG23	15	2.21
(1,798)	1:A:58:VAL:HG23	1:A:85:ILE:HG21	15	2.21
(1,798)	1:A:58:VAL:HG23	1:A:85:ILE:HG22	15	2.21
(1,798)	1:A:58:VAL:HG23	1:A:85:ILE:HG23	15	2.21
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD11	3	2.21
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD12	3	2.21
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD13	3	2.21
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD11	3	2.21
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD12	3	2.21
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD13	3	2.21
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD11	14	2.21
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD12	14	2.21
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD13	14	2.21
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD11	14	2.21
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD12	14	2.21
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD13	14	2.21
(1,2889)	1:B:113:VAL:HG11	1:B:112:ALA:H	7	2.2
(1,2889)	1:B:113:VAL:HG12	1:B:112:ALA:H	7	2.2
(1,2889)	1:B:113:VAL:HG13	1:B:112:ALA:H	7	2.2
(1,2889)	1:B:113:VAL:HG11	1:B:112:ALA:H	19	2.2
(1,2889)	1:B:113:VAL:HG12	1:B:112:ALA:H	19	2.2
(1,2889)	1:B:113:VAL:HG13	1:B:112:ALA:H	19	2.2
(1,1323)	1:A:24:VAL:HG11	1:A:23:ALA:H	8	2.19
(1,1323)	1:A:24:VAL:HG12	1:A:23:ALA:H	8	2.19
(1,1323)	1:A:24:VAL:HG13	1:A:23:ALA:H	8	2.19
(1,798)	1:A:58:VAL:HG21	1:A:85:ILE:HG21	3	2.18
(1,798)	1:A:58:VAL:HG21	1:A:85:ILE:HG22	3	2.18
(1,798)	1:A:58:VAL:HG21	1:A:85:ILE:HG23	3	2.18
(1,798)	1:A:58:VAL:HG22	1:A:85:ILE:HG21	3	2.18
(1,798)	1:A:58:VAL:HG22	1:A:85:ILE:HG22	3	2.18
(1,798)	1:A:58:VAL:HG22	1:A:85:ILE:HG23	3	2.18
(1,798)	1:A:58:VAL:HG23	1:A:85:ILE:HG21	3	2.18
(1,798)	1:A:58:VAL:HG23	1:A:85:ILE:HG22	3	2.18
(1,798)	1:A:58:VAL:HG23	1:A:85:ILE:HG23	3	2.18
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD11	16	2.18
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD12	16	2.18
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD13	16	2.18
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD11	16	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD12	16	2.18
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD13	16	2.18
(1,2889)	1:B:113:VAL:HG11	1:B:112:ALA:H	14	2.18
(1,2889)	1:B:113:VAL:HG12	1:B:112:ALA:H	14	2.18
(1,2889)	1:B:113:VAL:HG13	1:B:112:ALA:H	14	2.18
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD11	17	2.18
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD12	17	2.18
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD13	17	2.18
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD11	17	2.18
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD12	17	2.18
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD13	17	2.18
(1,1323)	1:A:24:VAL:HG11	1:A:23:ALA:H	7	2.17
(1,1323)	1:A:24:VAL:HG12	1:A:23:ALA:H	7	2.17
(1,1323)	1:A:24:VAL:HG13	1:A:23:ALA:H	7	2.17
(1,1323)	1:A:24:VAL:HG11	1:A:23:ALA:H	11	2.17
(1,1323)	1:A:24:VAL:HG12	1:A:23:ALA:H	11	2.17
(1,1323)	1:A:24:VAL:HG13	1:A:23:ALA:H	11	2.17
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD11	4	2.16
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD12	4	2.16
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD13	4	2.16
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD11	4	2.16
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD12	4	2.16
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD13	4	2.16
(1,2889)	1:B:113:VAL:HG11	1:B:112:ALA:H	9	2.16
(1,2889)	1:B:113:VAL:HG12	1:B:112:ALA:H	9	2.16
(1,2889)	1:B:113:VAL:HG13	1:B:112:ALA:H	9	2.16
(1,1323)	1:A:24:VAL:HG11	1:A:23:ALA:H	6	2.16
(1,1323)	1:A:24:VAL:HG12	1:A:23:ALA:H	6	2.16
(1,1323)	1:A:24:VAL:HG13	1:A:23:ALA:H	6	2.16
(1,798)	1:A:58:VAL:HG21	1:A:85:ILE:HG21	13	2.15
(1,798)	1:A:58:VAL:HG21	1:A:85:ILE:HG22	13	2.15
(1,798)	1:A:58:VAL:HG21	1:A:85:ILE:HG23	13	2.15
(1,798)	1:A:58:VAL:HG22	1:A:85:ILE:HG21	13	2.15
(1,798)	1:A:58:VAL:HG22	1:A:85:ILE:HG22	13	2.15
(1,798)	1:A:58:VAL:HG22	1:A:85:ILE:HG23	13	2.15
(1,798)	1:A:58:VAL:HG23	1:A:85:ILE:HG21	13	2.15
(1,798)	1:A:58:VAL:HG23	1:A:85:ILE:HG22	13	2.15
(1,798)	1:A:58:VAL:HG23	1:A:85:ILE:HG23	13	2.15
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD11	15	2.15
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD12	15	2.15
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD13	15	2.15
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD11	15	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD12	15	2.15
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD13	15	2.15
(1,420)	1:A:24:VAL:HG21	1:A:25:ASP:HB2	11	2.14
(1,420)	1:A:24:VAL:HG21	1:A:25:ASP:HB3	11	2.14
(1,420)	1:A:24:VAL:HG22	1:A:25:ASP:HB2	11	2.14
(1,420)	1:A:24:VAL:HG22	1:A:25:ASP:HB3	11	2.14
(1,420)	1:A:24:VAL:HG23	1:A:25:ASP:HB2	11	2.14
(1,420)	1:A:24:VAL:HG23	1:A:25:ASP:HB3	11	2.14
(1,1986)	1:B:113:VAL:HG21	1:B:114:ASP:HB2	19	2.14
(1,1986)	1:B:113:VAL:HG21	1:B:114:ASP:HB3	19	2.14
(1,1986)	1:B:113:VAL:HG22	1:B:114:ASP:HB2	19	2.14
(1,1986)	1:B:113:VAL:HG22	1:B:114:ASP:HB3	19	2.14
(1,1986)	1:B:113:VAL:HG23	1:B:114:ASP:HB2	19	2.14
(1,1986)	1:B:113:VAL:HG23	1:B:114:ASP:HB3	19	2.14
(1,1323)	1:A:24:VAL:HG11	1:A:23:ALA:H	5	2.13
(1,1323)	1:A:24:VAL:HG12	1:A:23:ALA:H	5	2.13
(1,1323)	1:A:24:VAL:HG13	1:A:23:ALA:H	5	2.13
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG11	5	2.12
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG12	5	2.12
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG13	5	2.12
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG11	5	2.12
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG12	5	2.12
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG13	5	2.12
(1,420)	1:A:24:VAL:HG21	1:A:25:ASP:HB2	8	2.11
(1,420)	1:A:24:VAL:HG21	1:A:25:ASP:HB3	8	2.11
(1,420)	1:A:24:VAL:HG22	1:A:25:ASP:HB2	8	2.11
(1,420)	1:A:24:VAL:HG22	1:A:25:ASP:HB3	8	2.11
(1,420)	1:A:24:VAL:HG23	1:A:25:ASP:HB2	8	2.11
(1,420)	1:A:24:VAL:HG23	1:A:25:ASP:HB3	8	2.11
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG11	2	2.1
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG12	2	2.1
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG13	2	2.1
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG11	2	2.1
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG12	2	2.1
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG13	2	2.1
(1,1040)	1:A:78:VAL:HG11	1:A:74:PHE:HA	9	2.1
(1,1040)	1:A:78:VAL:HG12	1:A:74:PHE:HA	9	2.1
(1,1040)	1:A:78:VAL:HG13	1:A:74:PHE:HA	9	2.1
(1,2889)	1:B:113:VAL:HG11	1:B:112:ALA:H	8	2.08
(1,2889)	1:B:113:VAL:HG12	1:B:112:ALA:H	8	2.08
(1,2889)	1:B:113:VAL:HG13	1:B:112:ALA:H	8	2.08
(1,420)	1:A:24:VAL:HG21	1:A:25:ASP:HB2	2	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,420)	1:A:24:VAL:HG21	1:A:25:ASP:HB3	2	2.07
(1,420)	1:A:24:VAL:HG22	1:A:25:ASP:HB2	2	2.07
(1,420)	1:A:24:VAL:HG22	1:A:25:ASP:HB3	2	2.07
(1,420)	1:A:24:VAL:HG23	1:A:25:ASP:HB2	2	2.07
(1,420)	1:A:24:VAL:HG23	1:A:25:ASP:HB3	2	2.07
(1,356)	1:A:49:VAL:HG21	1:A:48:ALA:HA	11	2.07
(1,356)	1:A:49:VAL:HG22	1:A:48:ALA:HA	11	2.07
(1,356)	1:A:49:VAL:HG23	1:A:48:ALA:HA	11	2.07
(1,2889)	1:B:113:VAL:HG11	1:B:112:ALA:H	15	2.06
(1,2889)	1:B:113:VAL:HG12	1:B:112:ALA:H	15	2.06
(1,2889)	1:B:113:VAL:HG13	1:B:112:ALA:H	15	2.06
(1,408)	1:A:22:LEU:HD21	1:A:70:LYS:HE2	7	2.05
(1,408)	1:A:22:LEU:HD21	1:A:70:LYS:HE3	7	2.05
(1,408)	1:A:22:LEU:HD22	1:A:70:LYS:HE2	7	2.05
(1,408)	1:A:22:LEU:HD22	1:A:70:LYS:HE3	7	2.05
(1,408)	1:A:22:LEU:HD23	1:A:70:LYS:HE2	7	2.05
(1,408)	1:A:22:LEU:HD23	1:A:70:LYS:HE3	7	2.05
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD11	15	2.04
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD12	15	2.04
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD13	15	2.04
(1,1858)	1:B:167:VAL:HG21	1:B:126:GLU:HA	2	2.04
(1,1858)	1:B:167:VAL:HG22	1:B:126:GLU:HA	2	2.04
(1,1858)	1:B:167:VAL:HG23	1:B:126:GLU:HA	2	2.04
(1,164)	1:A:78:VAL:HG11	1:A:62:ILE:HG21	7	2.04
(1,164)	1:A:78:VAL:HG11	1:A:62:ILE:HG22	7	2.04
(1,164)	1:A:78:VAL:HG11	1:A:62:ILE:HG23	7	2.04
(1,164)	1:A:78:VAL:HG12	1:A:62:ILE:HG21	7	2.04
(1,164)	1:A:78:VAL:HG12	1:A:62:ILE:HG22	7	2.04
(1,164)	1:A:78:VAL:HG12	1:A:62:ILE:HG23	7	2.04
(1,164)	1:A:78:VAL:HG13	1:A:62:ILE:HG21	7	2.04
(1,164)	1:A:78:VAL:HG13	1:A:62:ILE:HG22	7	2.04
(1,164)	1:A:78:VAL:HG13	1:A:62:ILE:HG23	7	2.04
(1,1323)	1:A:24:VAL:HG11	1:A:23:ALA:H	2	2.04
(1,1323)	1:A:24:VAL:HG12	1:A:23:ALA:H	2	2.04
(1,1323)	1:A:24:VAL:HG13	1:A:23:ALA:H	2	2.04
(1,356)	1:A:49:VAL:HG21	1:A:48:ALA:HA	12	2.02
(1,356)	1:A:49:VAL:HG22	1:A:48:ALA:HA	12	2.02
(1,356)	1:A:49:VAL:HG23	1:A:48:ALA:HA	12	2.02
(1,2527)	1:B:140:ASP:H	1:B:139:LEU:HD11	20	2.02
(1,2527)	1:B:140:ASP:H	1:B:139:LEU:HD12	20	2.02
(1,2527)	1:B:140:ASP:H	1:B:139:LEU:HD13	20	2.02
(1,728)	1:A:37:GLU:HG2	1:A:33:VAL:HG21	20	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,728)	1:A:37:GLU:HG2	1:A:33:VAL:HG22	20	2.0
(1,728)	1:A:37:GLU:HG2	1:A:33:VAL:HG23	20	2.0
(1,728)	1:A:37:GLU:HG3	1:A:33:VAL:HG21	20	2.0
(1,728)	1:A:37:GLU:HG3	1:A:33:VAL:HG22	20	2.0
(1,728)	1:A:37:GLU:HG3	1:A:33:VAL:HG23	20	2.0
(1,292)	1:A:78:VAL:HG21	1:A:37:GLU:HA	3	2.0
(1,292)	1:A:78:VAL:HG22	1:A:37:GLU:HA	3	2.0
(1,292)	1:A:78:VAL:HG23	1:A:37:GLU:HA	3	2.0
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG11	19	1.99
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG12	19	1.99
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG13	19	1.99
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG11	19	1.99
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG12	19	1.99
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG13	19	1.99
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD11	15	1.98
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD12	15	1.98
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD13	15	1.98
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD11	15	1.98
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD12	15	1.98
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD13	15	1.98
(1,408)	1:A:22:LEU:HD21	1:A:70:LYS:HE2	3	1.98
(1,408)	1:A:22:LEU:HD21	1:A:70:LYS:HE3	3	1.98
(1,408)	1:A:22:LEU:HD22	1:A:70:LYS:HE2	3	1.98
(1,408)	1:A:22:LEU:HD22	1:A:70:LYS:HE3	3	1.98
(1,408)	1:A:22:LEU:HD23	1:A:70:LYS:HE2	3	1.98
(1,408)	1:A:22:LEU:HD23	1:A:70:LYS:HE3	3	1.98
(1,961)	1:A:51:ASP:H	1:A:50:LEU:HD11	7	1.97
(1,961)	1:A:51:ASP:H	1:A:50:LEU:HD12	7	1.97
(1,961)	1:A:51:ASP:H	1:A:50:LEU:HD13	7	1.97
(1,2527)	1:B:140:ASP:H	1:B:139:LEU:HD11	9	1.97
(1,2527)	1:B:140:ASP:H	1:B:139:LEU:HD12	9	1.97
(1,2527)	1:B:140:ASP:H	1:B:139:LEU:HD13	9	1.97
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG11	11	1.97
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG12	11	1.97
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG13	11	1.97
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG11	11	1.97
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG12	11	1.97
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG13	11	1.97
(1,1986)	1:B:113:VAL:HG21	1:B:114:ASP:HB2	14	1.97
(1,1986)	1:B:113:VAL:HG21	1:B:114:ASP:HB3	14	1.97
(1,1986)	1:B:113:VAL:HG22	1:B:114:ASP:HB2	14	1.97
(1,1986)	1:B:113:VAL:HG22	1:B:114:ASP:HB3	14	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1986)	1:B:113:VAL:HG23	1:B:114:ASP:HB2	14	1.97
(1,1986)	1:B:113:VAL:HG23	1:B:114:ASP:HB3	14	1.97
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG11	4	1.96
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG12	4	1.96
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG13	4	1.96
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG11	4	1.96
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG12	4	1.96
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG13	4	1.96
(1,961)	1:A:51:ASP:H	1:A:50:LEU:HD11	4	1.95
(1,961)	1:A:51:ASP:H	1:A:50:LEU:HD12	4	1.95
(1,961)	1:A:51:ASP:H	1:A:50:LEU:HD13	4	1.95
(1,2527)	1:B:140:ASP:H	1:B:139:LEU:HD11	14	1.95
(1,2527)	1:B:140:ASP:H	1:B:139:LEU:HD12	14	1.95
(1,2527)	1:B:140:ASP:H	1:B:139:LEU:HD13	14	1.95
(1,2294)	1:B:126:GLU:HG2	1:B:122:VAL:HG21	11	1.95
(1,2294)	1:B:126:GLU:HG2	1:B:122:VAL:HG22	11	1.95
(1,2294)	1:B:126:GLU:HG2	1:B:122:VAL:HG23	11	1.95
(1,2294)	1:B:126:GLU:HG3	1:B:122:VAL:HG21	11	1.95
(1,2294)	1:B:126:GLU:HG3	1:B:122:VAL:HG22	11	1.95
(1,2294)	1:B:126:GLU:HG3	1:B:122:VAL:HG23	11	1.95
(1,1986)	1:B:113:VAL:HG21	1:B:114:ASP:HB2	7	1.95
(1,1986)	1:B:113:VAL:HG21	1:B:114:ASP:HB3	7	1.95
(1,1986)	1:B:113:VAL:HG22	1:B:114:ASP:HB2	7	1.95
(1,1986)	1:B:113:VAL:HG22	1:B:114:ASP:HB3	7	1.95
(1,1986)	1:B:113:VAL:HG23	1:B:114:ASP:HB2	7	1.95
(1,1986)	1:B:113:VAL:HG23	1:B:114:ASP:HB3	7	1.95
(1,1922)	1:B:138:VAL:HG21	1:B:137:ALA:HA	1	1.95
(1,1922)	1:B:138:VAL:HG22	1:B:137:ALA:HA	1	1.95
(1,1922)	1:B:138:VAL:HG23	1:B:137:ALA:HA	1	1.95
(1,2527)	1:B:140:ASP:H	1:B:139:LEU:HD11	13	1.94
(1,2527)	1:B:140:ASP:H	1:B:139:LEU:HD12	13	1.94
(1,2527)	1:B:140:ASP:H	1:B:139:LEU:HD13	13	1.94
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD11	2	1.94
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD12	2	1.94
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD13	2	1.94
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD11	2	1.94
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD12	2	1.94
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD13	2	1.94
(1,961)	1:A:51:ASP:H	1:A:50:LEU:HD11	15	1.92
(1,961)	1:A:51:ASP:H	1:A:50:LEU:HD12	15	1.92
(1,961)	1:A:51:ASP:H	1:A:50:LEU:HD13	15	1.92
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG11	8	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG12	8	1.92
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG13	8	1.92
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG11	8	1.92
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG12	8	1.92
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG13	8	1.92
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD11	10	1.92
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD12	10	1.92
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD13	10	1.92
(1,1986)	1:B:113:VAL:HG21	1:B:114:ASP:HB2	9	1.92
(1,1986)	1:B:113:VAL:HG21	1:B:114:ASP:HB3	9	1.92
(1,1986)	1:B:113:VAL:HG22	1:B:114:ASP:HB2	9	1.92
(1,1986)	1:B:113:VAL:HG22	1:B:114:ASP:HB3	9	1.92
(1,1986)	1:B:113:VAL:HG23	1:B:114:ASP:HB2	9	1.92
(1,1986)	1:B:113:VAL:HG23	1:B:114:ASP:HB3	9	1.92
(1,2527)	1:B:140:ASP:H	1:B:139:LEU:HD11	2	1.91
(1,2527)	1:B:140:ASP:H	1:B:139:LEU:HD12	2	1.91
(1,2527)	1:B:140:ASP:H	1:B:139:LEU:HD13	2	1.91
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG11	13	1.91
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG12	13	1.91
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG13	13	1.91
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG11	13	1.91
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG12	13	1.91
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG13	13	1.91
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD11	1	1.91
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD12	1	1.91
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD13	1	1.91
(1,1986)	1:B:113:VAL:HG21	1:B:114:ASP:HB2	15	1.91
(1,1986)	1:B:113:VAL:HG21	1:B:114:ASP:HB3	15	1.91
(1,1986)	1:B:113:VAL:HG22	1:B:114:ASP:HB2	15	1.91
(1,1986)	1:B:113:VAL:HG22	1:B:114:ASP:HB3	15	1.91
(1,1986)	1:B:113:VAL:HG23	1:B:114:ASP:HB2	15	1.91
(1,1986)	1:B:113:VAL:HG23	1:B:114:ASP:HB3	15	1.91
(1,420)	1:A:24:VAL:HG21	1:A:25:ASP:HB2	6	1.9
(1,420)	1:A:24:VAL:HG21	1:A:25:ASP:HB3	6	1.9
(1,420)	1:A:24:VAL:HG22	1:A:25:ASP:HB2	6	1.9
(1,420)	1:A:24:VAL:HG22	1:A:25:ASP:HB3	6	1.9
(1,420)	1:A:24:VAL:HG23	1:A:25:ASP:HB2	6	1.9
(1,420)	1:A:24:VAL:HG23	1:A:25:ASP:HB3	6	1.9
(1,292)	1:A:78:VAL:HG21	1:A:37:GLU:HA	12	1.9
(1,292)	1:A:78:VAL:HG22	1:A:37:GLU:HA	12	1.9
(1,292)	1:A:78:VAL:HG23	1:A:37:GLU:HA	12	1.9
(1,650)	1:A:31:THR:H	1:A:33:VAL:HG11	4	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,650)	1:A:31:THR:H	1:A:33:VAL:HG12	4	1.89
(1,650)	1:A:31:THR:H	1:A:33:VAL:HG13	4	1.89
(1,420)	1:A:24:VAL:HG21	1:A:25:ASP:HB2	5	1.89
(1,420)	1:A:24:VAL:HG21	1:A:25:ASP:HB3	5	1.89
(1,420)	1:A:24:VAL:HG22	1:A:25:ASP:HB2	5	1.89
(1,420)	1:A:24:VAL:HG22	1:A:25:ASP:HB3	5	1.89
(1,420)	1:A:24:VAL:HG23	1:A:25:ASP:HB2	5	1.89
(1,420)	1:A:24:VAL:HG23	1:A:25:ASP:HB3	5	1.89
(1,292)	1:A:78:VAL:HG21	1:A:37:GLU:HA	2	1.89
(1,292)	1:A:78:VAL:HG22	1:A:37:GLU:HA	2	1.89
(1,292)	1:A:78:VAL:HG23	1:A:37:GLU:HA	2	1.89
(1,292)	1:A:78:VAL:HG21	1:A:37:GLU:HA	9	1.89
(1,292)	1:A:78:VAL:HG22	1:A:37:GLU:HA	9	1.89
(1,292)	1:A:78:VAL:HG23	1:A:37:GLU:HA	9	1.89
(1,2606)	1:B:167:VAL:HG11	1:B:163:PHE:HA	7	1.89
(1,2606)	1:B:167:VAL:HG12	1:B:163:PHE:HA	7	1.89
(1,2606)	1:B:167:VAL:HG13	1:B:163:PHE:HA	7	1.89
(1,2527)	1:B:140:ASP:H	1:B:139:LEU:HD11	17	1.89
(1,2527)	1:B:140:ASP:H	1:B:139:LEU:HD12	17	1.89
(1,2527)	1:B:140:ASP:H	1:B:139:LEU:HD13	17	1.89
(1,1858)	1:B:167:VAL:HG21	1:B:126:GLU:HA	14	1.89
(1,1858)	1:B:167:VAL:HG22	1:B:126:GLU:HA	14	1.89
(1,1858)	1:B:167:VAL:HG23	1:B:126:GLU:HA	14	1.89
(1,961)	1:A:51:ASP:H	1:A:50:LEU:HD11	10	1.88
(1,961)	1:A:51:ASP:H	1:A:50:LEU:HD12	10	1.88
(1,961)	1:A:51:ASP:H	1:A:50:LEU:HD13	10	1.88
(1,961)	1:A:51:ASP:H	1:A:50:LEU:HD11	12	1.88
(1,961)	1:A:51:ASP:H	1:A:50:LEU:HD12	12	1.88
(1,961)	1:A:51:ASP:H	1:A:50:LEU:HD13	12	1.88
(1,961)	1:A:51:ASP:H	1:A:50:LEU:HD11	13	1.88
(1,961)	1:A:51:ASP:H	1:A:50:LEU:HD12	13	1.88
(1,961)	1:A:51:ASP:H	1:A:50:LEU:HD13	13	1.88
(1,420)	1:A:24:VAL:HG21	1:A:25:ASP:HB2	1	1.88
(1,420)	1:A:24:VAL:HG21	1:A:25:ASP:HB3	1	1.88
(1,420)	1:A:24:VAL:HG22	1:A:25:ASP:HB2	1	1.88
(1,420)	1:A:24:VAL:HG22	1:A:25:ASP:HB3	1	1.88
(1,420)	1:A:24:VAL:HG23	1:A:25:ASP:HB2	1	1.88
(1,420)	1:A:24:VAL:HG23	1:A:25:ASP:HB3	1	1.88
(1,420)	1:A:24:VAL:HG21	1:A:25:ASP:HB2	7	1.87
(1,420)	1:A:24:VAL:HG21	1:A:25:ASP:HB3	7	1.87
(1,420)	1:A:24:VAL:HG22	1:A:25:ASP:HB2	7	1.87
(1,420)	1:A:24:VAL:HG22	1:A:25:ASP:HB3	7	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,420)	1:A:24:VAL:HG23	1:A:25:ASP:HB2	7	1.87
(1,420)	1:A:24:VAL:HG23	1:A:25:ASP:HB3	7	1.87
(1,2889)	1:B:113:VAL:HG11	1:B:112:ALA:H	2	1.87
(1,2889)	1:B:113:VAL:HG12	1:B:112:ALA:H	2	1.87
(1,2889)	1:B:113:VAL:HG13	1:B:112:ALA:H	2	1.87
(1,2527)	1:B:140:ASP:H	1:B:139:LEU:HD11	19	1.86
(1,2527)	1:B:140:ASP:H	1:B:139:LEU:HD12	19	1.86
(1,2527)	1:B:140:ASP:H	1:B:139:LEU:HD13	19	1.86
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG11	2	1.85
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG12	2	1.85
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG13	2	1.85
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG11	2	1.85
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG12	2	1.85
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG13	2	1.85
(1,811)	1:A:58:VAL:HG21	1:A:85:ILE:HD11	6	1.85
(1,811)	1:A:58:VAL:HG21	1:A:85:ILE:HD12	6	1.85
(1,811)	1:A:58:VAL:HG21	1:A:85:ILE:HD13	6	1.85
(1,811)	1:A:58:VAL:HG22	1:A:85:ILE:HD11	6	1.85
(1,811)	1:A:58:VAL:HG22	1:A:85:ILE:HD12	6	1.85
(1,811)	1:A:58:VAL:HG22	1:A:85:ILE:HD13	6	1.85
(1,811)	1:A:58:VAL:HG23	1:A:85:ILE:HD11	6	1.85
(1,811)	1:A:58:VAL:HG23	1:A:85:ILE:HD12	6	1.85
(1,811)	1:A:58:VAL:HG23	1:A:85:ILE:HD13	6	1.85
(1,811)	1:A:58:VAL:HG21	1:A:85:ILE:HD11	5	1.84
(1,811)	1:A:58:VAL:HG21	1:A:85:ILE:HD12	5	1.84
(1,811)	1:A:58:VAL:HG21	1:A:85:ILE:HD13	5	1.84
(1,811)	1:A:58:VAL:HG22	1:A:85:ILE:HD11	5	1.84
(1,811)	1:A:58:VAL:HG22	1:A:85:ILE:HD12	5	1.84
(1,811)	1:A:58:VAL:HG22	1:A:85:ILE:HD13	5	1.84
(1,811)	1:A:58:VAL:HG23	1:A:85:ILE:HD11	5	1.84
(1,811)	1:A:58:VAL:HG23	1:A:85:ILE:HD12	5	1.84
(1,811)	1:A:58:VAL:HG23	1:A:85:ILE:HD13	5	1.84
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD11	11	1.83
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD12	11	1.83
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD13	11	1.83
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD11	15	1.83
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD12	15	1.83
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD13	15	1.83
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD21	2	1.83
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD22	2	1.83
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD23	2	1.83
(1,1846)	1:B:111:LEU:HD21	1:B:108:GLU:HA	2	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1846)	1:B:111:LEU:HD22	1:B:108:GLU:HA	2	1.83
(1,1846)	1:B:111:LEU:HD23	1:B:108:GLU:HA	2	1.83
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD11	4	1.82
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD12	4	1.82
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD13	4	1.82
(1,1858)	1:B:167:VAL:HG21	1:B:126:GLU:HA	11	1.82
(1,1858)	1:B:167:VAL:HG22	1:B:126:GLU:HA	11	1.82
(1,1858)	1:B:167:VAL:HG23	1:B:126:GLU:HA	11	1.82
(1,1858)	1:B:167:VAL:HG21	1:B:126:GLU:HA	16	1.82
(1,1858)	1:B:167:VAL:HG22	1:B:126:GLU:HA	16	1.82
(1,1858)	1:B:167:VAL:HG23	1:B:126:GLU:HA	16	1.82
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG11	15	1.81
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG12	15	1.81
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG13	15	1.81
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG11	15	1.81
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG12	15	1.81
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG13	15	1.81
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD21	5	1.81
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD22	5	1.81
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD23	5	1.81
(1,280)	1:A:22:LEU:HD21	1:A:19:GLU:HA	5	1.81
(1,280)	1:A:22:LEU:HD22	1:A:19:GLU:HA	5	1.81
(1,280)	1:A:22:LEU:HD23	1:A:19:GLU:HA	5	1.81
(1,1974)	1:B:111:LEU:HD21	1:B:159:LYS:HE2	12	1.81
(1,1974)	1:B:111:LEU:HD21	1:B:159:LYS:HE3	12	1.81
(1,1974)	1:B:111:LEU:HD22	1:B:159:LYS:HE2	12	1.81
(1,1974)	1:B:111:LEU:HD22	1:B:159:LYS:HE3	12	1.81
(1,1974)	1:B:111:LEU:HD23	1:B:159:LYS:HE2	12	1.81
(1,1974)	1:B:111:LEU:HD23	1:B:159:LYS:HE3	12	1.81
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG11	17	1.8
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG12	17	1.8
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG13	17	1.8
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG11	17	1.8
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG12	17	1.8
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG13	17	1.8
(1,1858)	1:B:167:VAL:HG21	1:B:126:GLU:HA	19	1.8
(1,1858)	1:B:167:VAL:HG22	1:B:126:GLU:HA	19	1.8
(1,1858)	1:B:167:VAL:HG23	1:B:126:GLU:HA	19	1.8
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG11	13	1.79
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG12	13	1.79
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG13	13	1.79
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG11	13	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG12	13	1.79
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG13	13	1.79
(1,650)	1:A:31:THR:H	1:A:33:VAL:HG11	20	1.79
(1,650)	1:A:31:THR:H	1:A:33:VAL:HG12	20	1.79
(1,650)	1:A:31:THR:H	1:A:33:VAL:HG13	20	1.79
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD11	4	1.79
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD12	4	1.79
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD13	4	1.79
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD21	14	1.79
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD22	14	1.79
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD23	14	1.79
(1,1986)	1:B:113:VAL:HG21	1:B:114:ASP:HB2	8	1.79
(1,1986)	1:B:113:VAL:HG21	1:B:114:ASP:HB3	8	1.79
(1,1986)	1:B:113:VAL:HG22	1:B:114:ASP:HB2	8	1.79
(1,1986)	1:B:113:VAL:HG22	1:B:114:ASP:HB3	8	1.79
(1,1986)	1:B:113:VAL:HG23	1:B:114:ASP:HB2	8	1.79
(1,1986)	1:B:113:VAL:HG23	1:B:114:ASP:HB3	8	1.79
(1,1846)	1:B:111:LEU:HD21	1:B:108:GLU:HA	14	1.79
(1,1846)	1:B:111:LEU:HD22	1:B:108:GLU:HA	14	1.79
(1,1846)	1:B:111:LEU:HD23	1:B:108:GLU:HA	14	1.79
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD11	18	1.78
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD12	18	1.78
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD13	18	1.78
(1,164)	1:A:78:VAL:HG11	1:A:62:ILE:HG21	4	1.78
(1,164)	1:A:78:VAL:HG11	1:A:62:ILE:HG22	4	1.78
(1,164)	1:A:78:VAL:HG11	1:A:62:ILE:HG23	4	1.78
(1,164)	1:A:78:VAL:HG12	1:A:62:ILE:HG21	4	1.78
(1,164)	1:A:78:VAL:HG12	1:A:62:ILE:HG22	4	1.78
(1,164)	1:A:78:VAL:HG12	1:A:62:ILE:HG23	4	1.78
(1,164)	1:A:78:VAL:HG13	1:A:62:ILE:HG21	4	1.78
(1,164)	1:A:78:VAL:HG13	1:A:62:ILE:HG22	4	1.78
(1,164)	1:A:78:VAL:HG13	1:A:62:ILE:HG23	4	1.78
(1,811)	1:A:58:VAL:HG21	1:A:85:ILE:HD11	3	1.77
(1,811)	1:A:58:VAL:HG21	1:A:85:ILE:HD12	3	1.77
(1,811)	1:A:58:VAL:HG21	1:A:85:ILE:HD13	3	1.77
(1,811)	1:A:58:VAL:HG22	1:A:85:ILE:HD11	3	1.77
(1,811)	1:A:58:VAL:HG22	1:A:85:ILE:HD12	3	1.77
(1,811)	1:A:58:VAL:HG22	1:A:85:ILE:HD13	3	1.77
(1,811)	1:A:58:VAL:HG23	1:A:85:ILE:HD11	3	1.77
(1,811)	1:A:58:VAL:HG23	1:A:85:ILE:HD12	3	1.77
(1,811)	1:A:58:VAL:HG23	1:A:85:ILE:HD13	3	1.77
(1,811)	1:A:58:VAL:HG21	1:A:85:ILE:HD11	13	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,811)	1:A:58:VAL:HG21	1:A:85:ILE:HD12	13	1.77
(1,811)	1:A:58:VAL:HG21	1:A:85:ILE:HD13	13	1.77
(1,811)	1:A:58:VAL:HG22	1:A:85:ILE:HD11	13	1.77
(1,811)	1:A:58:VAL:HG22	1:A:85:ILE:HD12	13	1.77
(1,811)	1:A:58:VAL:HG22	1:A:85:ILE:HD13	13	1.77
(1,811)	1:A:58:VAL:HG23	1:A:85:ILE:HD11	13	1.77
(1,811)	1:A:58:VAL:HG23	1:A:85:ILE:HD12	13	1.77
(1,811)	1:A:58:VAL:HG23	1:A:85:ILE:HD13	13	1.77
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG11	7	1.77
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG12	7	1.77
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG13	7	1.77
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG11	7	1.77
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG12	7	1.77
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG13	7	1.77
(1,1986)	1:B:113:VAL:HG21	1:B:114:ASP:HB2	2	1.77
(1,1986)	1:B:113:VAL:HG21	1:B:114:ASP:HB3	2	1.77
(1,1986)	1:B:113:VAL:HG22	1:B:114:ASP:HB2	2	1.77
(1,1986)	1:B:113:VAL:HG22	1:B:114:ASP:HB3	2	1.77
(1,1986)	1:B:113:VAL:HG23	1:B:114:ASP:HB2	2	1.77
(1,1986)	1:B:113:VAL:HG23	1:B:114:ASP:HB3	2	1.77
(1,1858)	1:B:167:VAL:HG21	1:B:126:GLU:HA	3	1.77
(1,1858)	1:B:167:VAL:HG22	1:B:126:GLU:HA	3	1.77
(1,1858)	1:B:167:VAL:HG23	1:B:126:GLU:HA	3	1.77
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG21	4	1.76
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG22	4	1.76
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG23	4	1.76
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG21	4	1.76
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG22	4	1.76
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG23	4	1.76
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG21	4	1.76
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG22	4	1.76
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG23	4	1.76
(1,1858)	1:B:167:VAL:HG21	1:B:126:GLU:HA	10	1.76
(1,1858)	1:B:167:VAL:HG22	1:B:126:GLU:HA	10	1.76
(1,1858)	1:B:167:VAL:HG23	1:B:126:GLU:HA	10	1.76
(1,1858)	1:B:167:VAL:HG21	1:B:126:GLU:HA	20	1.76
(1,1858)	1:B:167:VAL:HG22	1:B:126:GLU:HA	20	1.76
(1,1858)	1:B:167:VAL:HG23	1:B:126:GLU:HA	20	1.76
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG11	9	1.75
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG12	9	1.75
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG13	9	1.75
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG11	9	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG12	9	1.75
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG13	9	1.75
(1,811)	1:A:58:VAL:HG21	1:A:85:ILE:HD11	15	1.75
(1,811)	1:A:58:VAL:HG21	1:A:85:ILE:HD12	15	1.75
(1,811)	1:A:58:VAL:HG21	1:A:85:ILE:HD13	15	1.75
(1,811)	1:A:58:VAL:HG22	1:A:85:ILE:HD11	15	1.75
(1,811)	1:A:58:VAL:HG22	1:A:85:ILE:HD12	15	1.75
(1,811)	1:A:58:VAL:HG22	1:A:85:ILE:HD13	15	1.75
(1,811)	1:A:58:VAL:HG23	1:A:85:ILE:HD11	15	1.75
(1,811)	1:A:58:VAL:HG23	1:A:85:ILE:HD12	15	1.75
(1,811)	1:A:58:VAL:HG23	1:A:85:ILE:HD13	15	1.75
(1,292)	1:A:78:VAL:HG21	1:A:37:GLU:HA	11	1.75
(1,292)	1:A:78:VAL:HG22	1:A:37:GLU:HA	11	1.75
(1,292)	1:A:78:VAL:HG23	1:A:37:GLU:HA	11	1.75
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB1	2	1.75
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB2	2	1.75
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB3	2	1.75
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB1	2	1.75
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB2	2	1.75
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB3	2	1.75
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB1	2	1.75
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB2	2	1.75
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB3	2	1.75
(1,1858)	1:B:167:VAL:HG21	1:B:126:GLU:HA	18	1.75
(1,1858)	1:B:167:VAL:HG22	1:B:126:GLU:HA	18	1.75
(1,1858)	1:B:167:VAL:HG23	1:B:126:GLU:HA	18	1.75
(1,1040)	1:A:78:VAL:HG11	1:A:74:PHE:HA	3	1.75
(1,1040)	1:A:78:VAL:HG12	1:A:74:PHE:HA	3	1.75
(1,1040)	1:A:78:VAL:HG13	1:A:74:PHE:HA	3	1.75
(1,292)	1:A:78:VAL:HG21	1:A:37:GLU:HA	20	1.74
(1,292)	1:A:78:VAL:HG22	1:A:37:GLU:HA	20	1.74
(1,292)	1:A:78:VAL:HG23	1:A:37:GLU:HA	20	1.74
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB1	11	1.73
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB2	11	1.73
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB3	11	1.73
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB1	11	1.73
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB2	11	1.73
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB3	11	1.73
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB1	11	1.73
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB2	11	1.73
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB3	11	1.73
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG11	8	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG12	8	1.73
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG13	8	1.73
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG11	8	1.73
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG12	8	1.73
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG13	8	1.73
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG11	8	1.73
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG12	8	1.73
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG13	8	1.73
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD11	9	1.72
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD12	9	1.72
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD13	9	1.72
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD11	9	1.72
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD12	9	1.72
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD13	9	1.72
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD11	17	1.72
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD12	17	1.72
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD13	17	1.72
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG11	16	1.72
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG12	16	1.72
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG13	16	1.72
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG11	16	1.72
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG12	16	1.72
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG13	16	1.72
(1,1974)	1:B:111:LEU:HD21	1:B:159:LYS:HE2	2	1.72
(1,1974)	1:B:111:LEU:HD21	1:B:159:LYS:HE3	2	1.72
(1,1974)	1:B:111:LEU:HD22	1:B:159:LYS:HE2	2	1.72
(1,1974)	1:B:111:LEU:HD22	1:B:159:LYS:HE3	2	1.72
(1,1974)	1:B:111:LEU:HD23	1:B:159:LYS:HE2	2	1.72
(1,1974)	1:B:111:LEU:HD23	1:B:159:LYS:HE3	2	1.72
(1,1734)	1:B:144:ILE:HD11	1:B:139:LEU:HD11	20	1.72
(1,1734)	1:B:144:ILE:HD11	1:B:139:LEU:HD12	20	1.72
(1,1734)	1:B:144:ILE:HD11	1:B:139:LEU:HD13	20	1.72
(1,1734)	1:B:144:ILE:HD12	1:B:139:LEU:HD11	20	1.72
(1,1734)	1:B:144:ILE:HD12	1:B:139:LEU:HD12	20	1.72
(1,1734)	1:B:144:ILE:HD12	1:B:139:LEU:HD13	20	1.72
(1,1734)	1:B:144:ILE:HD13	1:B:139:LEU:HD11	20	1.72
(1,1734)	1:B:144:ILE:HD13	1:B:139:LEU:HD12	20	1.72
(1,1734)	1:B:144:ILE:HD13	1:B:139:LEU:HD13	20	1.72
(1,1028)	1:A:22:LEU:HD21	1:A:70:LYS:HD2	7	1.72
(1,1028)	1:A:22:LEU:HD21	1:A:70:LYS:HD3	7	1.72
(1,1028)	1:A:22:LEU:HD22	1:A:70:LYS:HD2	7	1.72
(1,1028)	1:A:22:LEU:HD22	1:A:70:LYS:HD3	7	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1028)	1:A:22:LEU:HD23	1:A:70:LYS:HD2	7	1.72
(1,1028)	1:A:22:LEU:HD23	1:A:70:LYS:HD3	7	1.72
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD11	14	1.71
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD12	14	1.71
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD13	14	1.71
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD11	14	1.71
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD12	14	1.71
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD13	14	1.71
(1,1858)	1:B:167:VAL:HG21	1:B:126:GLU:HA	6	1.71
(1,1858)	1:B:167:VAL:HG22	1:B:126:GLU:HA	6	1.71
(1,1858)	1:B:167:VAL:HG23	1:B:126:GLU:HA	6	1.71
(1,704)	1:A:62:ILE:HG21	1:A:58:VAL:HG11	5	1.7
(1,704)	1:A:62:ILE:HG21	1:A:58:VAL:HG12	5	1.7
(1,704)	1:A:62:ILE:HG21	1:A:58:VAL:HG13	5	1.7
(1,704)	1:A:62:ILE:HG22	1:A:58:VAL:HG11	5	1.7
(1,704)	1:A:62:ILE:HG22	1:A:58:VAL:HG12	5	1.7
(1,704)	1:A:62:ILE:HG22	1:A:58:VAL:HG13	5	1.7
(1,704)	1:A:62:ILE:HG23	1:A:58:VAL:HG11	5	1.7
(1,704)	1:A:62:ILE:HG23	1:A:58:VAL:HG12	5	1.7
(1,704)	1:A:62:ILE:HG23	1:A:58:VAL:HG13	5	1.7
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD11	14	1.69
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD12	14	1.69
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD13	14	1.69
(1,704)	1:A:62:ILE:HG21	1:A:58:VAL:HG11	6	1.69
(1,704)	1:A:62:ILE:HG21	1:A:58:VAL:HG12	6	1.69
(1,704)	1:A:62:ILE:HG21	1:A:58:VAL:HG13	6	1.69
(1,704)	1:A:62:ILE:HG22	1:A:58:VAL:HG11	6	1.69
(1,704)	1:A:62:ILE:HG22	1:A:58:VAL:HG12	6	1.69
(1,704)	1:A:62:ILE:HG22	1:A:58:VAL:HG13	6	1.69
(1,704)	1:A:62:ILE:HG23	1:A:58:VAL:HG11	6	1.69
(1,704)	1:A:62:ILE:HG23	1:A:58:VAL:HG12	6	1.69
(1,704)	1:A:62:ILE:HG23	1:A:58:VAL:HG13	6	1.69
(1,292)	1:A:78:VAL:HG21	1:A:37:GLU:HA	17	1.69
(1,292)	1:A:78:VAL:HG22	1:A:37:GLU:HA	17	1.69
(1,292)	1:A:78:VAL:HG23	1:A:37:GLU:HA	17	1.69
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB1	3	1.69
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB2	3	1.69
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB3	3	1.69
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB1	3	1.69
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB2	3	1.69
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB3	3	1.69
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB1	3	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB2	3	1.69
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB3	3	1.69
(1,1730)	1:B:167:VAL:HG11	1:B:151:ILE:HG21	16	1.69
(1,1730)	1:B:167:VAL:HG11	1:B:151:ILE:HG22	16	1.69
(1,1730)	1:B:167:VAL:HG11	1:B:151:ILE:HG23	16	1.69
(1,1730)	1:B:167:VAL:HG12	1:B:151:ILE:HG21	16	1.69
(1,1730)	1:B:167:VAL:HG12	1:B:151:ILE:HG22	16	1.69
(1,1730)	1:B:167:VAL:HG12	1:B:151:ILE:HG23	16	1.69
(1,1730)	1:B:167:VAL:HG13	1:B:151:ILE:HG21	16	1.69
(1,1730)	1:B:167:VAL:HG13	1:B:151:ILE:HG22	16	1.69
(1,1730)	1:B:167:VAL:HG13	1:B:151:ILE:HG23	16	1.69
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD11	12	1.68
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD12	12	1.68
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD13	12	1.68
(1,650)	1:A:31:THR:H	1:A:33:VAL:HG11	17	1.68
(1,650)	1:A:31:THR:H	1:A:33:VAL:HG12	17	1.68
(1,650)	1:A:31:THR:H	1:A:33:VAL:HG13	17	1.68
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD21	7	1.68
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD22	7	1.68
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD23	7	1.68
(1,280)	1:A:22:LEU:HD21	1:A:19:GLU:HA	7	1.68
(1,280)	1:A:22:LEU:HD22	1:A:19:GLU:HA	7	1.68
(1,280)	1:A:22:LEU:HD23	1:A:19:GLU:HA	7	1.68
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG11	3	1.68
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG12	3	1.68
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG13	3	1.68
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG11	3	1.68
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG12	3	1.68
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG13	3	1.68
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB1	19	1.68
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB2	19	1.68
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB3	19	1.68
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB1	19	1.68
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB2	19	1.68
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB3	19	1.68
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB1	19	1.68
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB2	19	1.68
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB3	19	1.68
(1,898)	1:A:24:VAL:HG21	1:A:26:GLU:HA	7	1.67
(1,898)	1:A:24:VAL:HG22	1:A:26:GLU:HA	7	1.67
(1,898)	1:A:24:VAL:HG23	1:A:26:GLU:HA	7	1.67
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB1	15	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB2	15	1.67
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB3	15	1.67
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB1	15	1.67
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB2	15	1.67
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB3	15	1.67
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB1	15	1.67
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB2	15	1.67
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB3	15	1.67
(1,1858)	1:B:167:VAL:HG21	1:B:126:GLU:HA	9	1.67
(1,1858)	1:B:167:VAL:HG22	1:B:126:GLU:HA	9	1.67
(1,1858)	1:B:167:VAL:HG23	1:B:126:GLU:HA	9	1.67
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB1	10	1.66
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB2	10	1.66
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB3	10	1.66
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB1	10	1.66
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB2	10	1.66
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB3	10	1.66
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB1	10	1.66
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB2	10	1.66
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB3	10	1.66
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB1	17	1.66
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB2	17	1.66
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB3	17	1.66
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB1	17	1.66
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB2	17	1.66
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB3	17	1.66
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB1	17	1.66
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB2	17	1.66
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB3	17	1.66
(1,2464)	1:B:113:VAL:HG21	1:B:115:GLU:HA	15	1.66
(1,2464)	1:B:113:VAL:HG22	1:B:115:GLU:HA	15	1.66
(1,2464)	1:B:113:VAL:HG23	1:B:115:GLU:HA	15	1.66
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB1	4	1.65
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB2	4	1.65
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB3	4	1.65
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB1	4	1.65
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB2	4	1.65
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB3	4	1.65
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB1	4	1.65
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB2	4	1.65
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB3	4	1.65
(1,702)	1:A:62:ILE:HG12	1:A:58:VAL:HG11	15	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,702)	1:A:62:ILE:HG12	1:A:58:VAL:HG12	15	1.65
(1,702)	1:A:62:ILE:HG12	1:A:58:VAL:HG13	15	1.65
(1,702)	1:A:62:ILE:HG13	1:A:58:VAL:HG11	15	1.65
(1,702)	1:A:62:ILE:HG13	1:A:58:VAL:HG12	15	1.65
(1,702)	1:A:62:ILE:HG13	1:A:58:VAL:HG13	15	1.65
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB1	9	1.65
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB2	9	1.65
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB3	9	1.65
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB1	9	1.65
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB2	9	1.65
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB3	9	1.65
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB1	9	1.65
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB2	9	1.65
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB3	9	1.65
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB1	5	1.64
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB2	5	1.64
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB3	5	1.64
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB1	5	1.64
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB2	5	1.64
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB3	5	1.64
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB1	5	1.64
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB2	5	1.64
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB3	5	1.64
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG11	18	1.64
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG12	18	1.64
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG13	18	1.64
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG11	18	1.64
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG12	18	1.64
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG13	18	1.64
(1,2464)	1:B:113:VAL:HG21	1:B:115:GLU:HA	8	1.64
(1,2464)	1:B:113:VAL:HG22	1:B:115:GLU:HA	8	1.64
(1,2464)	1:B:113:VAL:HG23	1:B:115:GLU:HA	8	1.64
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG11	19	1.63
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG12	19	1.63
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG13	19	1.63
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG11	19	1.63
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG12	19	1.63
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG13	19	1.63
(1,2464)	1:B:113:VAL:HG21	1:B:115:GLU:HA	2	1.63
(1,2464)	1:B:113:VAL:HG22	1:B:115:GLU:HA	2	1.63
(1,2464)	1:B:113:VAL:HG23	1:B:115:GLU:HA	2	1.63
(1,1028)	1:A:22:LEU:HD21	1:A:70:LYS:HD2	3	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1028)	1:A:22:LEU:HD21	1:A:70:LYS:HD3	3	1.63
(1,1028)	1:A:22:LEU:HD22	1:A:70:LYS:HD2	3	1.63
(1,1028)	1:A:22:LEU:HD22	1:A:70:LYS:HD3	3	1.63
(1,1028)	1:A:22:LEU:HD23	1:A:70:LYS:HD2	3	1.63
(1,1028)	1:A:22:LEU:HD23	1:A:70:LYS:HD3	3	1.63
(1,898)	1:A:24:VAL:HG21	1:A:26:GLU:HA	5	1.62
(1,898)	1:A:24:VAL:HG22	1:A:26:GLU:HA	5	1.62
(1,898)	1:A:24:VAL:HG23	1:A:26:GLU:HA	5	1.62
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB1	20	1.62
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB2	20	1.62
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB3	20	1.62
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB1	20	1.62
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB2	20	1.62
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB3	20	1.62
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB1	20	1.62
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB2	20	1.62
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB3	20	1.62
(1,702)	1:A:62:ILE:HG12	1:A:58:VAL:HG11	3	1.62
(1,702)	1:A:62:ILE:HG12	1:A:58:VAL:HG12	3	1.62
(1,702)	1:A:62:ILE:HG12	1:A:58:VAL:HG13	3	1.62
(1,702)	1:A:62:ILE:HG13	1:A:58:VAL:HG11	3	1.62
(1,702)	1:A:62:ILE:HG13	1:A:58:VAL:HG12	3	1.62
(1,702)	1:A:62:ILE:HG13	1:A:58:VAL:HG13	3	1.62
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB1	13	1.61
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB2	13	1.61
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB3	13	1.61
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB1	13	1.61
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB2	13	1.61
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB3	13	1.61
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB1	13	1.61
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB2	13	1.61
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB3	13	1.61
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG11	8	1.61
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG12	8	1.61
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG13	8	1.61
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG11	8	1.61
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG12	8	1.61
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG13	8	1.61
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG11	8	1.61
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG12	8	1.61
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG13	8	1.61
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG11	1	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG12	1	1.6
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG13	1	1.6
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG11	1	1.6
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG12	1	1.6
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG13	1	1.6
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG11	18	1.6
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG12	18	1.6
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG13	18	1.6
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG11	18	1.6
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG12	18	1.6
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG13	18	1.6
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB1	1	1.6
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB2	1	1.6
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB3	1	1.6
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB1	1	1.6
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB2	1	1.6
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB3	1	1.6
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB1	1	1.6
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB2	1	1.6
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB3	1	1.6
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB1	12	1.6
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB2	12	1.6
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB3	12	1.6
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB1	12	1.6
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB2	12	1.6
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB3	12	1.6
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB1	12	1.6
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB2	12	1.6
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB3	12	1.6
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB1	18	1.6
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB2	18	1.6
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB3	18	1.6
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB1	18	1.6
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB2	18	1.6
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB3	18	1.6
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB1	18	1.6
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB2	18	1.6
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB3	18	1.6
(1,414)	1:A:24:VAL:HG21	1:A:28:PHE:HB2	8	1.6
(1,414)	1:A:24:VAL:HG21	1:A:28:PHE:HB3	8	1.6
(1,414)	1:A:24:VAL:HG22	1:A:28:PHE:HB2	8	1.6
(1,414)	1:A:24:VAL:HG22	1:A:28:PHE:HB3	8	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,414)	1:A:24:VAL:HG23	1:A:28:PHE:HB2	8	1.6
(1,414)	1:A:24:VAL:HG23	1:A:28:PHE:HB3	8	1.6
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB1	14	1.6
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB2	14	1.6
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB3	14	1.6
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB1	14	1.6
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB2	14	1.6
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB3	14	1.6
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB1	14	1.6
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB2	14	1.6
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB3	14	1.6
(1,1730)	1:B:167:VAL:HG11	1:B:151:ILE:HG21	18	1.6
(1,1730)	1:B:167:VAL:HG11	1:B:151:ILE:HG22	18	1.6
(1,1730)	1:B:167:VAL:HG11	1:B:151:ILE:HG23	18	1.6
(1,1730)	1:B:167:VAL:HG12	1:B:151:ILE:HG21	18	1.6
(1,1730)	1:B:167:VAL:HG12	1:B:151:ILE:HG22	18	1.6
(1,1730)	1:B:167:VAL:HG12	1:B:151:ILE:HG23	18	1.6
(1,1730)	1:B:167:VAL:HG13	1:B:151:ILE:HG21	18	1.6
(1,1730)	1:B:167:VAL:HG13	1:B:151:ILE:HG22	18	1.6
(1,1730)	1:B:167:VAL:HG13	1:B:151:ILE:HG23	18	1.6
(1,898)	1:A:24:VAL:HG21	1:A:26:GLU:HA	6	1.59
(1,898)	1:A:24:VAL:HG22	1:A:26:GLU:HA	6	1.59
(1,898)	1:A:24:VAL:HG23	1:A:26:GLU:HA	6	1.59
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB1	7	1.59
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB2	7	1.59
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB3	7	1.59
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB1	7	1.59
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB2	7	1.59
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB3	7	1.59
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB1	7	1.59
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB2	7	1.59
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB3	7	1.59
(1,704)	1:A:62:ILE:HG21	1:A:58:VAL:HG11	13	1.59
(1,704)	1:A:62:ILE:HG21	1:A:58:VAL:HG12	13	1.59
(1,704)	1:A:62:ILE:HG21	1:A:58:VAL:HG13	13	1.59
(1,704)	1:A:62:ILE:HG22	1:A:58:VAL:HG11	13	1.59
(1,704)	1:A:62:ILE:HG22	1:A:58:VAL:HG12	13	1.59
(1,704)	1:A:62:ILE:HG22	1:A:58:VAL:HG13	13	1.59
(1,704)	1:A:62:ILE:HG23	1:A:58:VAL:HG11	13	1.59
(1,704)	1:A:62:ILE:HG23	1:A:58:VAL:HG12	13	1.59
(1,704)	1:A:62:ILE:HG23	1:A:58:VAL:HG13	13	1.59
(1,408)	1:A:22:LEU:HD21	1:A:70:LYS:HE2	8	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,408)	1:A:22:LEU:HD21	1:A:70:LYS:HE3	8	1.59
(1,408)	1:A:22:LEU:HD22	1:A:70:LYS:HE2	8	1.59
(1,408)	1:A:22:LEU:HD22	1:A:70:LYS:HE3	8	1.59
(1,408)	1:A:22:LEU:HD23	1:A:70:LYS:HE2	8	1.59
(1,408)	1:A:22:LEU:HD23	1:A:70:LYS:HE3	8	1.59
(1,2464)	1:B:113:VAL:HG21	1:B:115:GLU:HA	9	1.59
(1,2464)	1:B:113:VAL:HG22	1:B:115:GLU:HA	9	1.59
(1,2464)	1:B:113:VAL:HG23	1:B:115:GLU:HA	9	1.59
(1,1974)	1:B:111:LEU:HD21	1:B:159:LYS:HE2	14	1.59
(1,1974)	1:B:111:LEU:HD21	1:B:159:LYS:HE3	14	1.59
(1,1974)	1:B:111:LEU:HD22	1:B:159:LYS:HE2	14	1.59
(1,1974)	1:B:111:LEU:HD22	1:B:159:LYS:HE3	14	1.59
(1,1974)	1:B:111:LEU:HD23	1:B:159:LYS:HE2	14	1.59
(1,1974)	1:B:111:LEU:HD23	1:B:159:LYS:HE3	14	1.59
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD11	16	1.58
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD12	16	1.58
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD13	16	1.58
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG11	4	1.58
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG12	4	1.58
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG13	4	1.58
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG11	4	1.58
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG12	4	1.58
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG13	4	1.58
(1,2464)	1:B:113:VAL:HG21	1:B:115:GLU:HA	7	1.58
(1,2464)	1:B:113:VAL:HG22	1:B:115:GLU:HA	7	1.58
(1,2464)	1:B:113:VAL:HG23	1:B:115:GLU:HA	7	1.58
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD11	17	1.58
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD12	17	1.58
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD13	17	1.58
(1,2216)	1:B:120:THR:H	1:B:122:VAL:HG11	11	1.58
(1,2216)	1:B:120:THR:H	1:B:122:VAL:HG12	11	1.58
(1,2216)	1:B:120:THR:H	1:B:122:VAL:HG13	11	1.58
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD21	19	1.58
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD22	19	1.58
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD23	19	1.58
(1,1846)	1:B:111:LEU:HD21	1:B:108:GLU:HA	19	1.58
(1,1846)	1:B:111:LEU:HD22	1:B:108:GLU:HA	19	1.58
(1,1846)	1:B:111:LEU:HD23	1:B:108:GLU:HA	19	1.58
(1,650)	1:A:31:THR:H	1:A:33:VAL:HG11	11	1.57
(1,650)	1:A:31:THR:H	1:A:33:VAL:HG12	11	1.57
(1,650)	1:A:31:THR:H	1:A:33:VAL:HG13	11	1.57
(1,292)	1:A:78:VAL:HG21	1:A:37:GLU:HA	4	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,292)	1:A:78:VAL:HG22	1:A:37:GLU:HA	4	1.57
(1,292)	1:A:78:VAL:HG23	1:A:37:GLU:HA	4	1.57
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG11	12	1.57
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG12	12	1.57
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG13	12	1.57
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG11	12	1.57
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG12	12	1.57
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG13	12	1.57
(1,1974)	1:B:111:LEU:HD21	1:B:159:LYS:HE2	9	1.57
(1,1974)	1:B:111:LEU:HD21	1:B:159:LYS:HE3	9	1.57
(1,1974)	1:B:111:LEU:HD22	1:B:159:LYS:HE2	9	1.57
(1,1974)	1:B:111:LEU:HD22	1:B:159:LYS:HE3	9	1.57
(1,1974)	1:B:111:LEU:HD23	1:B:159:LYS:HE2	9	1.57
(1,1974)	1:B:111:LEU:HD23	1:B:159:LYS:HE3	9	1.57
(1,1734)	1:B:144:ILE:HD11	1:B:139:LEU:HD11	13	1.57
(1,1734)	1:B:144:ILE:HD11	1:B:139:LEU:HD12	13	1.57
(1,1734)	1:B:144:ILE:HD11	1:B:139:LEU:HD13	13	1.57
(1,1734)	1:B:144:ILE:HD12	1:B:139:LEU:HD11	13	1.57
(1,1734)	1:B:144:ILE:HD12	1:B:139:LEU:HD12	13	1.57
(1,1734)	1:B:144:ILE:HD12	1:B:139:LEU:HD13	13	1.57
(1,1734)	1:B:144:ILE:HD13	1:B:139:LEU:HD11	13	1.57
(1,1734)	1:B:144:ILE:HD13	1:B:139:LEU:HD12	13	1.57
(1,1734)	1:B:144:ILE:HD13	1:B:139:LEU:HD13	13	1.57
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG11	16	1.56
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG12	16	1.56
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG13	16	1.56
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG11	16	1.56
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG12	16	1.56
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG13	16	1.56
(1,408)	1:A:22:LEU:HD21	1:A:70:LYS:HE2	6	1.56
(1,408)	1:A:22:LEU:HD21	1:A:70:LYS:HE3	6	1.56
(1,408)	1:A:22:LEU:HD22	1:A:70:LYS:HE2	6	1.56
(1,408)	1:A:22:LEU:HD22	1:A:70:LYS:HE3	6	1.56
(1,408)	1:A:22:LEU:HD23	1:A:70:LYS:HE2	6	1.56
(1,408)	1:A:22:LEU:HD23	1:A:70:LYS:HE3	6	1.56
(1,1549)	1:A:78:VAL:HG11	1:A:77:LYS:H	7	1.56
(1,1549)	1:A:78:VAL:HG12	1:A:77:LYS:H	7	1.56
(1,1549)	1:A:78:VAL:HG13	1:A:77:LYS:H	7	1.56
(1,898)	1:A:24:VAL:HG21	1:A:26:GLU:HA	1	1.55
(1,898)	1:A:24:VAL:HG22	1:A:26:GLU:HA	1	1.55
(1,898)	1:A:24:VAL:HG23	1:A:26:GLU:HA	1	1.55
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB1	16	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB2	16	1.55
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB3	16	1.55
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB1	16	1.55
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB2	16	1.55
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB3	16	1.55
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB1	16	1.55
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB2	16	1.55
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB3	16	1.55
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG21	17	1.55
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG22	17	1.55
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG23	17	1.55
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG21	17	1.55
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG22	17	1.55
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG23	17	1.55
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG21	17	1.55
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG22	17	1.55
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG23	17	1.55
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD11	2	1.55
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD12	2	1.55
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD13	2	1.55
(1,1549)	1:A:78:VAL:HG11	1:A:77:LYS:H	4	1.55
(1,1549)	1:A:78:VAL:HG12	1:A:77:LYS:H	4	1.55
(1,1549)	1:A:78:VAL:HG13	1:A:77:LYS:H	4	1.55
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD11	6	1.54
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD12	6	1.54
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD13	6	1.54
(1,408)	1:A:22:LEU:HD21	1:A:70:LYS:HE2	11	1.54
(1,408)	1:A:22:LEU:HD21	1:A:70:LYS:HE3	11	1.54
(1,408)	1:A:22:LEU:HD22	1:A:70:LYS:HE2	11	1.54
(1,408)	1:A:22:LEU:HD22	1:A:70:LYS:HE3	11	1.54
(1,408)	1:A:22:LEU:HD23	1:A:70:LYS:HE2	11	1.54
(1,408)	1:A:22:LEU:HD23	1:A:70:LYS:HE3	11	1.54
(1,3115)	1:B:167:VAL:HG11	1:B:166:LYS:H	7	1.54
(1,3115)	1:B:167:VAL:HG12	1:B:166:LYS:H	7	1.54
(1,3115)	1:B:167:VAL:HG13	1:B:166:LYS:H	7	1.54
(1,2216)	1:B:120:THR:H	1:B:122:VAL:HG11	10	1.54
(1,2216)	1:B:120:THR:H	1:B:122:VAL:HG12	10	1.54
(1,2216)	1:B:120:THR:H	1:B:122:VAL:HG13	10	1.54
(1,2190)	1:B:111:LEU:HD21	1:B:159:LYS:HG2	14	1.54
(1,2190)	1:B:111:LEU:HD21	1:B:159:LYS:HG3	14	1.54
(1,2190)	1:B:111:LEU:HD22	1:B:159:LYS:HG2	14	1.54
(1,2190)	1:B:111:LEU:HD22	1:B:159:LYS:HG3	14	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2190)	1:B:111:LEU:HD23	1:B:159:LYS:HG2	14	1.54
(1,2190)	1:B:111:LEU:HD23	1:B:159:LYS:HG3	14	1.54
(1,1974)	1:B:111:LEU:HD21	1:B:159:LYS:HE2	8	1.54
(1,1974)	1:B:111:LEU:HD21	1:B:159:LYS:HE3	8	1.54
(1,1974)	1:B:111:LEU:HD22	1:B:159:LYS:HE2	8	1.54
(1,1974)	1:B:111:LEU:HD22	1:B:159:LYS:HE3	8	1.54
(1,1974)	1:B:111:LEU:HD23	1:B:159:LYS:HE2	8	1.54
(1,1974)	1:B:111:LEU:HD23	1:B:159:LYS:HE3	8	1.54
(1,164)	1:A:78:VAL:HG11	1:A:62:ILE:HG21	17	1.54
(1,164)	1:A:78:VAL:HG11	1:A:62:ILE:HG22	17	1.54
(1,164)	1:A:78:VAL:HG11	1:A:62:ILE:HG23	17	1.54
(1,164)	1:A:78:VAL:HG12	1:A:62:ILE:HG21	17	1.54
(1,164)	1:A:78:VAL:HG12	1:A:62:ILE:HG22	17	1.54
(1,164)	1:A:78:VAL:HG12	1:A:62:ILE:HG23	17	1.54
(1,164)	1:A:78:VAL:HG13	1:A:62:ILE:HG21	17	1.54
(1,164)	1:A:78:VAL:HG13	1:A:62:ILE:HG22	17	1.54
(1,164)	1:A:78:VAL:HG13	1:A:62:ILE:HG23	17	1.54
(1,1549)	1:A:78:VAL:HG11	1:A:77:LYS:H	9	1.54
(1,1549)	1:A:78:VAL:HG12	1:A:77:LYS:H	9	1.54
(1,1549)	1:A:78:VAL:HG13	1:A:77:LYS:H	9	1.54
(1,1549)	1:A:78:VAL:HG11	1:A:77:LYS:H	11	1.53
(1,1549)	1:A:78:VAL:HG12	1:A:77:LYS:H	11	1.53
(1,1549)	1:A:78:VAL:HG13	1:A:77:LYS:H	11	1.53
(1,898)	1:A:24:VAL:HG21	1:A:26:GLU:HA	2	1.52
(1,898)	1:A:24:VAL:HG22	1:A:26:GLU:HA	2	1.52
(1,898)	1:A:24:VAL:HG23	1:A:26:GLU:HA	2	1.52
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB1	8	1.52
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB2	8	1.52
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB3	8	1.52
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB1	8	1.52
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB2	8	1.52
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB3	8	1.52
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB1	8	1.52
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB2	8	1.52
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB3	8	1.52
(1,650)	1:A:31:THR:H	1:A:33:VAL:HG11	9	1.52
(1,650)	1:A:31:THR:H	1:A:33:VAL:HG12	9	1.52
(1,650)	1:A:31:THR:H	1:A:33:VAL:HG13	9	1.52
(1,3115)	1:B:167:VAL:HG11	1:B:166:LYS:H	3	1.52
(1,3115)	1:B:167:VAL:HG12	1:B:166:LYS:H	3	1.52
(1,3115)	1:B:167:VAL:HG13	1:B:166:LYS:H	3	1.52
(1,2606)	1:B:167:VAL:HG11	1:B:163:PHE:HA	18	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2606)	1:B:167:VAL:HG12	1:B:163:PHE:HA	18	1.52
(1,2606)	1:B:167:VAL:HG13	1:B:163:PHE:HA	18	1.52
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB1	6	1.52
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB2	6	1.52
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB3	6	1.52
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB1	6	1.52
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB2	6	1.52
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB3	6	1.52
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB1	6	1.52
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB2	6	1.52
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB3	6	1.52
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD11	7	1.51
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD12	7	1.51
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD13	7	1.51
(1,650)	1:A:31:THR:H	1:A:33:VAL:HG11	3	1.51
(1,650)	1:A:31:THR:H	1:A:33:VAL:HG12	3	1.51
(1,650)	1:A:31:THR:H	1:A:33:VAL:HG13	3	1.51
(1,3115)	1:B:167:VAL:HG11	1:B:166:LYS:H	9	1.51
(1,3115)	1:B:167:VAL:HG12	1:B:166:LYS:H	9	1.51
(1,3115)	1:B:167:VAL:HG13	1:B:166:LYS:H	9	1.51
(1,3115)	1:B:167:VAL:HG11	1:B:166:LYS:H	11	1.51
(1,3115)	1:B:167:VAL:HG12	1:B:166:LYS:H	11	1.51
(1,3115)	1:B:167:VAL:HG13	1:B:166:LYS:H	11	1.51
(1,1549)	1:A:78:VAL:HG11	1:A:77:LYS:H	3	1.51
(1,1549)	1:A:78:VAL:HG12	1:A:77:LYS:H	3	1.51
(1,1549)	1:A:78:VAL:HG13	1:A:77:LYS:H	3	1.51
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD11	8	1.5
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD12	8	1.5
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD13	8	1.5
(1,650)	1:A:31:THR:H	1:A:33:VAL:HG11	12	1.5
(1,650)	1:A:31:THR:H	1:A:33:VAL:HG12	12	1.5
(1,650)	1:A:31:THR:H	1:A:33:VAL:HG13	12	1.5
(1,3115)	1:B:167:VAL:HG11	1:B:166:LYS:H	20	1.5
(1,3115)	1:B:167:VAL:HG12	1:B:166:LYS:H	20	1.5
(1,3115)	1:B:167:VAL:HG13	1:B:166:LYS:H	20	1.5
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG11	2	1.5
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG12	2	1.5
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG13	2	1.5
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG11	2	1.5
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG12	2	1.5
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG13	2	1.5
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG11	2	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG12	2	1.5
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG13	2	1.5
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG11	14	1.49
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG12	14	1.49
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG13	14	1.49
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG11	14	1.49
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG12	14	1.49
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG13	14	1.49
(1,3115)	1:B:167:VAL:HG11	1:B:166:LYS:H	19	1.49
(1,3115)	1:B:167:VAL:HG12	1:B:166:LYS:H	19	1.49
(1,3115)	1:B:167:VAL:HG13	1:B:166:LYS:H	19	1.49
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG11	7	1.48
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG12	7	1.48
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG13	7	1.48
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG11	7	1.48
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG12	7	1.48
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG13	7	1.48
(1,2216)	1:B:120:THR:H	1:B:122:VAL:HG11	5	1.48
(1,2216)	1:B:120:THR:H	1:B:122:VAL:HG12	5	1.48
(1,2216)	1:B:120:THR:H	1:B:122:VAL:HG13	5	1.48
(1,1549)	1:A:78:VAL:HG11	1:A:77:LYS:H	17	1.48
(1,1549)	1:A:78:VAL:HG12	1:A:77:LYS:H	17	1.48
(1,1549)	1:A:78:VAL:HG13	1:A:77:LYS:H	17	1.48
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD11	1	1.47
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD12	1	1.47
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD13	1	1.47
(1,3115)	1:B:167:VAL:HG11	1:B:166:LYS:H	10	1.47
(1,3115)	1:B:167:VAL:HG12	1:B:166:LYS:H	10	1.47
(1,3115)	1:B:167:VAL:HG13	1:B:166:LYS:H	10	1.47
(1,3115)	1:B:167:VAL:HG11	1:B:166:LYS:H	16	1.47
(1,3115)	1:B:167:VAL:HG12	1:B:166:LYS:H	16	1.47
(1,3115)	1:B:167:VAL:HG13	1:B:166:LYS:H	16	1.47
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD21	10	1.46
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD22	10	1.46
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD23	10	1.46
(1,280)	1:A:22:LEU:HD21	1:A:19:GLU:HA	10	1.46
(1,280)	1:A:22:LEU:HD22	1:A:19:GLU:HA	10	1.46
(1,280)	1:A:22:LEU:HD23	1:A:19:GLU:HA	10	1.46
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD11	20	1.46
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD12	20	1.46
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD13	20	1.46
(1,1980)	1:B:113:VAL:HG21	1:B:117:PHE:HB2	19	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1980)	1:B:113:VAL:HG21	1:B:117:PHE:HB3	19	1.46
(1,1980)	1:B:113:VAL:HG22	1:B:117:PHE:HB2	19	1.46
(1,1980)	1:B:113:VAL:HG22	1:B:117:PHE:HB3	19	1.46
(1,1980)	1:B:113:VAL:HG23	1:B:117:PHE:HB2	19	1.46
(1,1980)	1:B:113:VAL:HG23	1:B:117:PHE:HB3	19	1.46
(1,1974)	1:B:111:LEU:HD21	1:B:159:LYS:HE2	20	1.46
(1,1974)	1:B:111:LEU:HD21	1:B:159:LYS:HE3	20	1.46
(1,1974)	1:B:111:LEU:HD22	1:B:159:LYS:HE2	20	1.46
(1,1974)	1:B:111:LEU:HD22	1:B:159:LYS:HE3	20	1.46
(1,1974)	1:B:111:LEU:HD23	1:B:159:LYS:HE2	20	1.46
(1,1974)	1:B:111:LEU:HD23	1:B:159:LYS:HE3	20	1.46
(1,1730)	1:B:167:VAL:HG11	1:B:151:ILE:HG21	14	1.46
(1,1730)	1:B:167:VAL:HG11	1:B:151:ILE:HG22	14	1.46
(1,1730)	1:B:167:VAL:HG11	1:B:151:ILE:HG23	14	1.46
(1,1730)	1:B:167:VAL:HG12	1:B:151:ILE:HG21	14	1.46
(1,1730)	1:B:167:VAL:HG12	1:B:151:ILE:HG22	14	1.46
(1,1730)	1:B:167:VAL:HG12	1:B:151:ILE:HG23	14	1.46
(1,1730)	1:B:167:VAL:HG13	1:B:151:ILE:HG21	14	1.46
(1,1730)	1:B:167:VAL:HG13	1:B:151:ILE:HG22	14	1.46
(1,1730)	1:B:167:VAL:HG13	1:B:151:ILE:HG23	14	1.46
(1,1549)	1:A:78:VAL:HG11	1:A:77:LYS:H	12	1.46
(1,1549)	1:A:78:VAL:HG12	1:A:77:LYS:H	12	1.46
(1,1549)	1:A:78:VAL:HG13	1:A:77:LYS:H	12	1.46
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD11	13	1.45
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD12	13	1.45
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD13	13	1.45
(1,3115)	1:B:167:VAL:HG11	1:B:166:LYS:H	2	1.45
(1,3115)	1:B:167:VAL:HG12	1:B:166:LYS:H	2	1.45
(1,3115)	1:B:167:VAL:HG13	1:B:166:LYS:H	2	1.45
(1,2594)	1:B:111:LEU:HD21	1:B:159:LYS:HD2	12	1.45
(1,2594)	1:B:111:LEU:HD21	1:B:159:LYS:HD3	12	1.45
(1,2594)	1:B:111:LEU:HD22	1:B:159:LYS:HD2	12	1.45
(1,2594)	1:B:111:LEU:HD22	1:B:159:LYS:HD3	12	1.45
(1,2594)	1:B:111:LEU:HD23	1:B:159:LYS:HD2	12	1.45
(1,2594)	1:B:111:LEU:HD23	1:B:159:LYS:HD3	12	1.45
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG11	8	1.45
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG12	8	1.45
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG13	8	1.45
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG11	8	1.45
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG12	8	1.45
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG13	8	1.45
(1,1734)	1:B:144:ILE:HD11	1:B:139:LEU:HD11	9	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1734)	1:B:144:ILE:HD11	1:B:139:LEU:HD12	9	1.45
(1,1734)	1:B:144:ILE:HD11	1:B:139:LEU:HD13	9	1.45
(1,1734)	1:B:144:ILE:HD12	1:B:139:LEU:HD11	9	1.45
(1,1734)	1:B:144:ILE:HD12	1:B:139:LEU:HD12	9	1.45
(1,1734)	1:B:144:ILE:HD12	1:B:139:LEU:HD13	9	1.45
(1,1734)	1:B:144:ILE:HD13	1:B:139:LEU:HD11	9	1.45
(1,1734)	1:B:144:ILE:HD13	1:B:139:LEU:HD12	9	1.45
(1,1734)	1:B:144:ILE:HD13	1:B:139:LEU:HD13	9	1.45
(1,408)	1:A:22:LEU:HD21	1:A:70:LYS:HE2	12	1.44
(1,408)	1:A:22:LEU:HD21	1:A:70:LYS:HE3	12	1.44
(1,408)	1:A:22:LEU:HD22	1:A:70:LYS:HE2	12	1.44
(1,408)	1:A:22:LEU:HD22	1:A:70:LYS:HE3	12	1.44
(1,408)	1:A:22:LEU:HD23	1:A:70:LYS:HE2	12	1.44
(1,408)	1:A:22:LEU:HD23	1:A:70:LYS:HE3	12	1.44
(1,3115)	1:B:167:VAL:HG11	1:B:166:LYS:H	6	1.44
(1,3115)	1:B:167:VAL:HG12	1:B:166:LYS:H	6	1.44
(1,3115)	1:B:167:VAL:HG13	1:B:166:LYS:H	6	1.44
(1,2464)	1:B:113:VAL:HG21	1:B:115:GLU:HA	14	1.44
(1,2464)	1:B:113:VAL:HG22	1:B:115:GLU:HA	14	1.44
(1,2464)	1:B:113:VAL:HG23	1:B:115:GLU:HA	14	1.44
(1,1858)	1:B:167:VAL:HG21	1:B:126:GLU:HA	7	1.44
(1,1858)	1:B:167:VAL:HG22	1:B:126:GLU:HA	7	1.44
(1,1858)	1:B:167:VAL:HG23	1:B:126:GLU:HA	7	1.44
(1,1549)	1:A:78:VAL:HG11	1:A:77:LYS:H	2	1.44
(1,1549)	1:A:78:VAL:HG12	1:A:77:LYS:H	2	1.44
(1,1549)	1:A:78:VAL:HG13	1:A:77:LYS:H	2	1.44
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG11	5	1.43
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG12	5	1.43
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG13	5	1.43
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG11	5	1.43
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG12	5	1.43
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG13	5	1.43
(1,408)	1:A:22:LEU:HD21	1:A:70:LYS:HE2	13	1.43
(1,408)	1:A:22:LEU:HD21	1:A:70:LYS:HE3	13	1.43
(1,408)	1:A:22:LEU:HD22	1:A:70:LYS:HE2	13	1.43
(1,408)	1:A:22:LEU:HD22	1:A:70:LYS:HE3	13	1.43
(1,408)	1:A:22:LEU:HD23	1:A:70:LYS:HE2	13	1.43
(1,408)	1:A:22:LEU:HD23	1:A:70:LYS:HE3	13	1.43
(1,2594)	1:B:111:LEU:HD21	1:B:159:LYS:HD2	2	1.43
(1,2594)	1:B:111:LEU:HD21	1:B:159:LYS:HD3	2	1.43
(1,2594)	1:B:111:LEU:HD22	1:B:159:LYS:HD2	2	1.43
(1,2594)	1:B:111:LEU:HD22	1:B:159:LYS:HD3	2	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2594)	1:B:111:LEU:HD23	1:B:159:LYS:HD2	2	1.43
(1,2594)	1:B:111:LEU:HD23	1:B:159:LYS:HD3	2	1.43
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD11	13	1.42
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD12	13	1.42
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD13	13	1.42
(1,1813)	1:B:111:LEU:HD21	1:B:159:LYS:HA	14	1.42
(1,1813)	1:B:111:LEU:HD22	1:B:159:LYS:HA	14	1.42
(1,1813)	1:B:111:LEU:HD23	1:B:159:LYS:HA	14	1.42
(1,1549)	1:A:78:VAL:HG11	1:A:77:LYS:H	20	1.42
(1,1549)	1:A:78:VAL:HG12	1:A:77:LYS:H	20	1.42
(1,1549)	1:A:78:VAL:HG13	1:A:77:LYS:H	20	1.42
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD11	11	1.41
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD12	11	1.41
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD13	11	1.41
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG11	6	1.41
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG12	6	1.41
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG13	6	1.41
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG11	6	1.41
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG12	6	1.41
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG13	6	1.41
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD11	9	1.41
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD12	9	1.41
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD13	9	1.41
(1,1974)	1:B:111:LEU:HD21	1:B:159:LYS:HE2	1	1.41
(1,1974)	1:B:111:LEU:HD21	1:B:159:LYS:HE3	1	1.41
(1,1974)	1:B:111:LEU:HD22	1:B:159:LYS:HE2	1	1.41
(1,1974)	1:B:111:LEU:HD22	1:B:159:LYS:HE3	1	1.41
(1,1974)	1:B:111:LEU:HD23	1:B:159:LYS:HE2	1	1.41
(1,1974)	1:B:111:LEU:HD23	1:B:159:LYS:HE3	1	1.41
(1,168)	1:A:55:ILE:HD11	1:A:50:LEU:HD11	7	1.41
(1,168)	1:A:55:ILE:HD11	1:A:50:LEU:HD12	7	1.41
(1,168)	1:A:55:ILE:HD11	1:A:50:LEU:HD13	7	1.41
(1,168)	1:A:55:ILE:HD12	1:A:50:LEU:HD11	7	1.41
(1,168)	1:A:55:ILE:HD12	1:A:50:LEU:HD12	7	1.41
(1,168)	1:A:55:ILE:HD12	1:A:50:LEU:HD13	7	1.41
(1,168)	1:A:55:ILE:HD13	1:A:50:LEU:HD11	7	1.41
(1,168)	1:A:55:ILE:HD13	1:A:50:LEU:HD12	7	1.41
(1,168)	1:A:55:ILE:HD13	1:A:50:LEU:HD13	7	1.41
(1,168)	1:A:55:ILE:HD11	1:A:50:LEU:HD11	15	1.41
(1,168)	1:A:55:ILE:HD11	1:A:50:LEU:HD12	15	1.41
(1,168)	1:A:55:ILE:HD11	1:A:50:LEU:HD13	15	1.41
(1,168)	1:A:55:ILE:HD12	1:A:50:LEU:HD11	15	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,168)	1:A:55:ILE:HD12	1:A:50:LEU:HD12	15	1.41
(1,168)	1:A:55:ILE:HD12	1:A:50:LEU:HD13	15	1.41
(1,168)	1:A:55:ILE:HD13	1:A:50:LEU:HD11	15	1.41
(1,168)	1:A:55:ILE:HD13	1:A:50:LEU:HD12	15	1.41
(1,168)	1:A:55:ILE:HD13	1:A:50:LEU:HD13	15	1.41
(1,3115)	1:B:167:VAL:HG11	1:B:166:LYS:H	18	1.4
(1,3115)	1:B:167:VAL:HG12	1:B:166:LYS:H	18	1.4
(1,3115)	1:B:167:VAL:HG13	1:B:166:LYS:H	18	1.4
(1,1980)	1:B:113:VAL:HG21	1:B:117:PHE:HB2	14	1.4
(1,1980)	1:B:113:VAL:HG21	1:B:117:PHE:HB3	14	1.4
(1,1980)	1:B:113:VAL:HG22	1:B:117:PHE:HB2	14	1.4
(1,1980)	1:B:113:VAL:HG22	1:B:117:PHE:HB3	14	1.4
(1,1980)	1:B:113:VAL:HG23	1:B:117:PHE:HB2	14	1.4
(1,1980)	1:B:113:VAL:HG23	1:B:117:PHE:HB3	14	1.4
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG11	17	1.39
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG12	17	1.39
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG13	17	1.39
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG11	17	1.39
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG12	17	1.39
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG13	17	1.39
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD21	11	1.39
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD22	11	1.39
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD23	11	1.39
(1,408)	1:A:22:LEU:HD21	1:A:70:LYS:HE2	5	1.39
(1,408)	1:A:22:LEU:HD21	1:A:70:LYS:HE3	5	1.39
(1,408)	1:A:22:LEU:HD22	1:A:70:LYS:HE2	5	1.39
(1,408)	1:A:22:LEU:HD22	1:A:70:LYS:HE3	5	1.39
(1,408)	1:A:22:LEU:HD23	1:A:70:LYS:HE2	5	1.39
(1,408)	1:A:22:LEU:HD23	1:A:70:LYS:HE3	5	1.39
(1,280)	1:A:22:LEU:HD21	1:A:19:GLU:HA	11	1.39
(1,280)	1:A:22:LEU:HD22	1:A:19:GLU:HA	11	1.39
(1,280)	1:A:22:LEU:HD23	1:A:19:GLU:HA	11	1.39
(1,2718)	1:B:113:VAL:HG21	1:B:114:ASP:H	19	1.39
(1,2718)	1:B:113:VAL:HG22	1:B:114:ASP:H	19	1.39
(1,2718)	1:B:113:VAL:HG23	1:B:114:ASP:H	19	1.39
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG21	2	1.39
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG22	2	1.39
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG23	2	1.39
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG21	2	1.39
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG22	2	1.39
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG23	2	1.39
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG21	2	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG22	2	1.39
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG23	2	1.39
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG11	2	1.39
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG12	2	1.39
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG13	2	1.39
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG11	2	1.39
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG12	2	1.39
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG13	2	1.39
(1,1580)	1:B:114:ASP:H	1:B:113:VAL:HG21	19	1.39
(1,1580)	1:B:114:ASP:H	1:B:113:VAL:HG22	19	1.39
(1,1580)	1:B:114:ASP:H	1:B:113:VAL:HG23	19	1.39
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG11	9	1.38
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG12	9	1.38
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG13	9	1.38
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG11	9	1.38
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG12	9	1.38
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG13	9	1.38
(1,414)	1:A:24:VAL:HG21	1:A:28:PHE:HB2	7	1.38
(1,414)	1:A:24:VAL:HG21	1:A:28:PHE:HB3	7	1.38
(1,414)	1:A:24:VAL:HG22	1:A:28:PHE:HB2	7	1.38
(1,414)	1:A:24:VAL:HG22	1:A:28:PHE:HB3	7	1.38
(1,414)	1:A:24:VAL:HG23	1:A:28:PHE:HB2	7	1.38
(1,414)	1:A:24:VAL:HG23	1:A:28:PHE:HB3	7	1.38
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB1	4	1.38
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB2	4	1.38
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB3	4	1.38
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB1	4	1.38
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB2	4	1.38
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB3	4	1.38
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB1	4	1.38
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB2	4	1.38
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB3	4	1.38
(1,1974)	1:B:111:LEU:HD21	1:B:159:LYS:HE2	19	1.38
(1,1974)	1:B:111:LEU:HD21	1:B:159:LYS:HE3	19	1.38
(1,1974)	1:B:111:LEU:HD22	1:B:159:LYS:HE2	19	1.38
(1,1974)	1:B:111:LEU:HD22	1:B:159:LYS:HE3	19	1.38
(1,1974)	1:B:111:LEU:HD23	1:B:159:LYS:HE2	19	1.38
(1,1974)	1:B:111:LEU:HD23	1:B:159:LYS:HE3	19	1.38
(1,167)	1:A:33:VAL:HG21	1:A:78:VAL:HG11	11	1.38
(1,167)	1:A:33:VAL:HG21	1:A:78:VAL:HG12	11	1.38
(1,167)	1:A:33:VAL:HG21	1:A:78:VAL:HG13	11	1.38
(1,167)	1:A:33:VAL:HG22	1:A:78:VAL:HG11	11	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,167)	1:A:33:VAL:HG22	1:A:78:VAL:HG12	11	1.38
(1,167)	1:A:33:VAL:HG22	1:A:78:VAL:HG13	11	1.38
(1,167)	1:A:33:VAL:HG23	1:A:78:VAL:HG11	11	1.38
(1,167)	1:A:33:VAL:HG23	1:A:78:VAL:HG12	11	1.38
(1,167)	1:A:33:VAL:HG23	1:A:78:VAL:HG13	11	1.38
(1,14)	1:A:25:ASP:H	1:A:24:VAL:HG21	4	1.38
(1,14)	1:A:25:ASP:H	1:A:24:VAL:HG22	4	1.38
(1,14)	1:A:25:ASP:H	1:A:24:VAL:HG23	4	1.38
(1,1152)	1:A:24:VAL:HG21	1:A:25:ASP:H	4	1.38
(1,1152)	1:A:24:VAL:HG22	1:A:25:ASP:H	4	1.38
(1,1152)	1:A:24:VAL:HG23	1:A:25:ASP:H	4	1.38
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD21	3	1.37
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD22	3	1.37
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD23	3	1.37
(1,280)	1:A:22:LEU:HD21	1:A:19:GLU:HA	3	1.37
(1,280)	1:A:22:LEU:HD22	1:A:19:GLU:HA	3	1.37
(1,280)	1:A:22:LEU:HD23	1:A:19:GLU:HA	3	1.37
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG11	9	1.37
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG12	9	1.37
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG13	9	1.37
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG11	9	1.37
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG12	9	1.37
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG13	9	1.37
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG11	9	1.37
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG12	9	1.37
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG13	9	1.37
(1,898)	1:A:24:VAL:HG21	1:A:26:GLU:HA	11	1.36
(1,898)	1:A:24:VAL:HG22	1:A:26:GLU:HA	11	1.36
(1,898)	1:A:24:VAL:HG23	1:A:26:GLU:HA	11	1.36
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG11	10	1.36
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG12	10	1.36
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG13	10	1.36
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG11	10	1.36
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG12	10	1.36
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG13	10	1.36
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG11	10	1.36
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG12	10	1.36
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG13	10	1.36
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG11	18	1.36
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG12	18	1.36
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG13	18	1.36
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG11	18	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG12	18	1.36
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG13	18	1.36
(1,414)	1:A:24:VAL:HG21	1:A:28:PHE:HB2	6	1.36
(1,414)	1:A:24:VAL:HG21	1:A:28:PHE:HB3	6	1.36
(1,414)	1:A:24:VAL:HG22	1:A:28:PHE:HB2	6	1.36
(1,414)	1:A:24:VAL:HG22	1:A:28:PHE:HB3	6	1.36
(1,414)	1:A:24:VAL:HG23	1:A:28:PHE:HB2	6	1.36
(1,414)	1:A:24:VAL:HG23	1:A:28:PHE:HB3	6	1.36
(1,2718)	1:B:113:VAL:HG21	1:B:114:ASP:H	7	1.36
(1,2718)	1:B:113:VAL:HG22	1:B:114:ASP:H	7	1.36
(1,2718)	1:B:113:VAL:HG23	1:B:114:ASP:H	7	1.36
(1,2606)	1:B:167:VAL:HG11	1:B:163:PHE:HA	11	1.36
(1,2606)	1:B:167:VAL:HG12	1:B:163:PHE:HA	11	1.36
(1,2606)	1:B:167:VAL:HG13	1:B:163:PHE:HA	11	1.36
(1,2606)	1:B:167:VAL:HG11	1:B:163:PHE:HA	16	1.36
(1,2606)	1:B:167:VAL:HG12	1:B:163:PHE:HA	16	1.36
(1,2606)	1:B:167:VAL:HG13	1:B:163:PHE:HA	16	1.36
(1,1580)	1:B:114:ASP:H	1:B:113:VAL:HG21	7	1.36
(1,1580)	1:B:114:ASP:H	1:B:113:VAL:HG22	7	1.36
(1,1580)	1:B:114:ASP:H	1:B:113:VAL:HG23	7	1.36
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD11	10	1.35
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD12	10	1.35
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD13	10	1.35
(1,408)	1:A:22:LEU:HD21	1:A:70:LYS:HE2	16	1.35
(1,408)	1:A:22:LEU:HD21	1:A:70:LYS:HE3	16	1.35
(1,408)	1:A:22:LEU:HD22	1:A:70:LYS:HE2	16	1.35
(1,408)	1:A:22:LEU:HD22	1:A:70:LYS:HE3	16	1.35
(1,408)	1:A:22:LEU:HD23	1:A:70:LYS:HE2	16	1.35
(1,408)	1:A:22:LEU:HD23	1:A:70:LYS:HE3	16	1.35
(1,3115)	1:B:167:VAL:HG11	1:B:166:LYS:H	14	1.35
(1,3115)	1:B:167:VAL:HG12	1:B:166:LYS:H	14	1.35
(1,3115)	1:B:167:VAL:HG13	1:B:166:LYS:H	14	1.35
(1,292)	1:A:78:VAL:HG21	1:A:37:GLU:HA	7	1.35
(1,292)	1:A:78:VAL:HG22	1:A:37:GLU:HA	7	1.35
(1,292)	1:A:78:VAL:HG23	1:A:37:GLU:HA	7	1.35
(1,2718)	1:B:113:VAL:HG21	1:B:114:ASP:H	17	1.35
(1,2718)	1:B:113:VAL:HG22	1:B:114:ASP:H	17	1.35
(1,2718)	1:B:113:VAL:HG23	1:B:114:ASP:H	17	1.35
(1,1580)	1:B:114:ASP:H	1:B:113:VAL:HG21	17	1.35
(1,1580)	1:B:114:ASP:H	1:B:113:VAL:HG22	17	1.35
(1,1580)	1:B:114:ASP:H	1:B:113:VAL:HG23	17	1.35
(1,14)	1:A:25:ASP:H	1:A:24:VAL:HG21	8	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14)	1:A:25:ASP:H	1:A:24:VAL:HG22	8	1.35
(1,14)	1:A:25:ASP:H	1:A:24:VAL:HG23	8	1.35
(1,1152)	1:A:24:VAL:HG21	1:A:25:ASP:H	8	1.35
(1,1152)	1:A:24:VAL:HG22	1:A:25:ASP:H	8	1.35
(1,1152)	1:A:24:VAL:HG23	1:A:25:ASP:H	8	1.35
(1,414)	1:A:24:VAL:HG21	1:A:28:PHE:HB2	1	1.34
(1,414)	1:A:24:VAL:HG21	1:A:28:PHE:HB3	1	1.34
(1,414)	1:A:24:VAL:HG22	1:A:28:PHE:HB2	1	1.34
(1,414)	1:A:24:VAL:HG22	1:A:28:PHE:HB3	1	1.34
(1,414)	1:A:24:VAL:HG23	1:A:28:PHE:HB2	1	1.34
(1,414)	1:A:24:VAL:HG23	1:A:28:PHE:HB3	1	1.34
(1,2718)	1:B:113:VAL:HG21	1:B:114:ASP:H	14	1.34
(1,2718)	1:B:113:VAL:HG22	1:B:114:ASP:H	14	1.34
(1,2718)	1:B:113:VAL:HG23	1:B:114:ASP:H	14	1.34
(1,1980)	1:B:113:VAL:HG21	1:B:117:PHE:HB2	7	1.34
(1,1980)	1:B:113:VAL:HG21	1:B:117:PHE:HB3	7	1.34
(1,1980)	1:B:113:VAL:HG22	1:B:117:PHE:HB2	7	1.34
(1,1980)	1:B:113:VAL:HG22	1:B:117:PHE:HB3	7	1.34
(1,1980)	1:B:113:VAL:HG23	1:B:117:PHE:HB2	7	1.34
(1,1980)	1:B:113:VAL:HG23	1:B:117:PHE:HB3	7	1.34
(1,1580)	1:B:114:ASP:H	1:B:113:VAL:HG21	14	1.34
(1,1580)	1:B:114:ASP:H	1:B:113:VAL:HG22	14	1.34
(1,1580)	1:B:114:ASP:H	1:B:113:VAL:HG23	14	1.34
(1,898)	1:A:24:VAL:HG21	1:A:26:GLU:HA	8	1.33
(1,898)	1:A:24:VAL:HG22	1:A:26:GLU:HA	8	1.33
(1,898)	1:A:24:VAL:HG23	1:A:26:GLU:HA	8	1.33
(1,1980)	1:B:113:VAL:HG21	1:B:117:PHE:HB2	8	1.33
(1,1980)	1:B:113:VAL:HG21	1:B:117:PHE:HB3	8	1.33
(1,1980)	1:B:113:VAL:HG22	1:B:117:PHE:HB2	8	1.33
(1,1980)	1:B:113:VAL:HG22	1:B:117:PHE:HB3	8	1.33
(1,1980)	1:B:113:VAL:HG23	1:B:117:PHE:HB2	8	1.33
(1,1980)	1:B:113:VAL:HG23	1:B:117:PHE:HB3	8	1.33
(1,14)	1:A:25:ASP:H	1:A:24:VAL:HG21	11	1.33
(1,14)	1:A:25:ASP:H	1:A:24:VAL:HG22	11	1.33
(1,14)	1:A:25:ASP:H	1:A:24:VAL:HG23	11	1.33
(1,1152)	1:A:24:VAL:HG21	1:A:25:ASP:H	11	1.33
(1,1152)	1:A:24:VAL:HG22	1:A:25:ASP:H	11	1.33
(1,1152)	1:A:24:VAL:HG23	1:A:25:ASP:H	11	1.33
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG11	8	1.32
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG12	8	1.32
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG13	8	1.32
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG11	8	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG12	8	1.32
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG13	8	1.32
(1,408)	1:A:22:LEU:HD21	1:A:70:LYS:HE2	2	1.32
(1,408)	1:A:22:LEU:HD21	1:A:70:LYS:HE3	2	1.32
(1,408)	1:A:22:LEU:HD22	1:A:70:LYS:HE2	2	1.32
(1,408)	1:A:22:LEU:HD22	1:A:70:LYS:HE3	2	1.32
(1,408)	1:A:22:LEU:HD23	1:A:70:LYS:HE2	2	1.32
(1,408)	1:A:22:LEU:HD23	1:A:70:LYS:HE3	2	1.32
(1,2718)	1:B:113:VAL:HG21	1:B:114:ASP:H	15	1.32
(1,2718)	1:B:113:VAL:HG22	1:B:114:ASP:H	15	1.32
(1,2718)	1:B:113:VAL:HG23	1:B:114:ASP:H	15	1.32
(1,2606)	1:B:167:VAL:HG11	1:B:163:PHE:HA	10	1.32
(1,2606)	1:B:167:VAL:HG12	1:B:163:PHE:HA	10	1.32
(1,2606)	1:B:167:VAL:HG13	1:B:163:PHE:HA	10	1.32
(1,1980)	1:B:113:VAL:HG21	1:B:117:PHE:HB2	9	1.32
(1,1980)	1:B:113:VAL:HG21	1:B:117:PHE:HB3	9	1.32
(1,1980)	1:B:113:VAL:HG22	1:B:117:PHE:HB2	9	1.32
(1,1980)	1:B:113:VAL:HG22	1:B:117:PHE:HB3	9	1.32
(1,1980)	1:B:113:VAL:HG23	1:B:117:PHE:HB2	9	1.32
(1,1980)	1:B:113:VAL:HG23	1:B:117:PHE:HB3	9	1.32
(1,1734)	1:B:144:ILE:HD11	1:B:139:LEU:HD11	19	1.32
(1,1734)	1:B:144:ILE:HD11	1:B:139:LEU:HD12	19	1.32
(1,1734)	1:B:144:ILE:HD11	1:B:139:LEU:HD13	19	1.32
(1,1734)	1:B:144:ILE:HD12	1:B:139:LEU:HD11	19	1.32
(1,1734)	1:B:144:ILE:HD12	1:B:139:LEU:HD12	19	1.32
(1,1734)	1:B:144:ILE:HD12	1:B:139:LEU:HD13	19	1.32
(1,1734)	1:B:144:ILE:HD13	1:B:139:LEU:HD11	19	1.32
(1,1734)	1:B:144:ILE:HD13	1:B:139:LEU:HD12	19	1.32
(1,1734)	1:B:144:ILE:HD13	1:B:139:LEU:HD13	19	1.32
(1,1580)	1:B:114:ASP:H	1:B:113:VAL:HG21	15	1.32
(1,1580)	1:B:114:ASP:H	1:B:113:VAL:HG22	15	1.32
(1,1580)	1:B:114:ASP:H	1:B:113:VAL:HG23	15	1.32
(1,117)	1:A:55:ILE:HA	1:A:58:VAL:HG21	4	1.32
(1,117)	1:A:55:ILE:HA	1:A:58:VAL:HG22	4	1.32
(1,117)	1:A:55:ILE:HA	1:A:58:VAL:HG23	4	1.32
(1,624)	1:A:22:LEU:HD21	1:A:70:LYS:HG2	5	1.31
(1,624)	1:A:22:LEU:HD21	1:A:70:LYS:HG3	5	1.31
(1,624)	1:A:22:LEU:HD22	1:A:70:LYS:HG2	5	1.31
(1,624)	1:A:22:LEU:HD22	1:A:70:LYS:HG3	5	1.31
(1,624)	1:A:22:LEU:HD23	1:A:70:LYS:HG2	5	1.31
(1,624)	1:A:22:LEU:HD23	1:A:70:LYS:HG3	5	1.31
(1,2464)	1:B:113:VAL:HG21	1:B:115:GLU:HA	19	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2464)	1:B:113:VAL:HG22	1:B:115:GLU:HA	19	1.31
(1,2464)	1:B:113:VAL:HG23	1:B:115:GLU:HA	19	1.31
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB1	8	1.31
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB2	8	1.31
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB3	8	1.31
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB1	8	1.31
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB2	8	1.31
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB3	8	1.31
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB1	8	1.31
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB2	8	1.31
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB3	8	1.31
(1,1734)	1:B:144:ILE:HD11	1:B:139:LEU:HD11	14	1.31
(1,1734)	1:B:144:ILE:HD11	1:B:139:LEU:HD12	14	1.31
(1,1734)	1:B:144:ILE:HD11	1:B:139:LEU:HD13	14	1.31
(1,1734)	1:B:144:ILE:HD12	1:B:139:LEU:HD11	14	1.31
(1,1734)	1:B:144:ILE:HD12	1:B:139:LEU:HD12	14	1.31
(1,1734)	1:B:144:ILE:HD12	1:B:139:LEU:HD13	14	1.31
(1,1734)	1:B:144:ILE:HD13	1:B:139:LEU:HD11	14	1.31
(1,1734)	1:B:144:ILE:HD13	1:B:139:LEU:HD12	14	1.31
(1,1734)	1:B:144:ILE:HD13	1:B:139:LEU:HD13	14	1.31
(1,14)	1:A:25:ASP:H	1:A:24:VAL:HG21	2	1.31
(1,14)	1:A:25:ASP:H	1:A:24:VAL:HG22	2	1.31
(1,14)	1:A:25:ASP:H	1:A:24:VAL:HG23	2	1.31
(1,1152)	1:A:24:VAL:HG21	1:A:25:ASP:H	2	1.31
(1,1152)	1:A:24:VAL:HG22	1:A:25:ASP:H	2	1.31
(1,1152)	1:A:24:VAL:HG23	1:A:25:ASP:H	2	1.31
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG11	9	1.3
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG12	9	1.3
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG13	9	1.3
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG11	9	1.3
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG12	9	1.3
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG13	9	1.3
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG11	9	1.3
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG12	9	1.3
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG13	9	1.3
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD21	9	1.3
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD22	9	1.3
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD23	9	1.3
(1,280)	1:A:22:LEU:HD21	1:A:19:GLU:HA	9	1.3
(1,280)	1:A:22:LEU:HD22	1:A:19:GLU:HA	9	1.3
(1,280)	1:A:22:LEU:HD23	1:A:19:GLU:HA	9	1.3
(1,2718)	1:B:113:VAL:HG21	1:B:114:ASP:H	9	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2718)	1:B:113:VAL:HG22	1:B:114:ASP:H	9	1.3
(1,2718)	1:B:113:VAL:HG23	1:B:114:ASP:H	9	1.3
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG11	19	1.3
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG12	19	1.3
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG13	19	1.3
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG11	19	1.3
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG12	19	1.3
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG13	19	1.3
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG11	19	1.3
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG12	19	1.3
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG13	19	1.3
(1,1974)	1:B:111:LEU:HD21	1:B:159:LYS:HE2	10	1.3
(1,1974)	1:B:111:LEU:HD21	1:B:159:LYS:HE3	10	1.3
(1,1974)	1:B:111:LEU:HD22	1:B:159:LYS:HE2	10	1.3
(1,1974)	1:B:111:LEU:HD22	1:B:159:LYS:HE3	10	1.3
(1,1974)	1:B:111:LEU:HD23	1:B:159:LYS:HE2	10	1.3
(1,1974)	1:B:111:LEU:HD23	1:B:159:LYS:HE3	10	1.3
(1,1580)	1:B:114:ASP:H	1:B:113:VAL:HG21	9	1.3
(1,1580)	1:B:114:ASP:H	1:B:113:VAL:HG22	9	1.3
(1,1580)	1:B:114:ASP:H	1:B:113:VAL:HG23	9	1.3
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG11	18	1.29
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG12	18	1.29
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG13	18	1.29
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG11	18	1.29
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG12	18	1.29
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG13	18	1.29
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG11	18	1.29
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG12	18	1.29
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG13	18	1.29
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD21	2	1.29
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD22	2	1.29
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD23	2	1.29
(1,414)	1:A:24:VAL:HG21	1:A:28:PHE:HB2	5	1.29
(1,414)	1:A:24:VAL:HG21	1:A:28:PHE:HB3	5	1.29
(1,414)	1:A:24:VAL:HG22	1:A:28:PHE:HB2	5	1.29
(1,414)	1:A:24:VAL:HG22	1:A:28:PHE:HB3	5	1.29
(1,414)	1:A:24:VAL:HG23	1:A:28:PHE:HB2	5	1.29
(1,414)	1:A:24:VAL:HG23	1:A:28:PHE:HB3	5	1.29
(1,280)	1:A:22:LEU:HD21	1:A:19:GLU:HA	2	1.29
(1,280)	1:A:22:LEU:HD22	1:A:19:GLU:HA	2	1.29
(1,280)	1:A:22:LEU:HD23	1:A:19:GLU:HA	2	1.29
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG21	11	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG22	11	1.29
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG23	11	1.29
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG11	6	1.29
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG12	6	1.29
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG13	6	1.29
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG11	6	1.29
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG12	6	1.29
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG13	6	1.29
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG11	6	1.29
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG12	6	1.29
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG13	6	1.29
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD21	1	1.29
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD22	1	1.29
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD23	1	1.29
(1,1846)	1:B:111:LEU:HD21	1:B:108:GLU:HA	1	1.29
(1,1846)	1:B:111:LEU:HD22	1:B:108:GLU:HA	1	1.29
(1,1846)	1:B:111:LEU:HD23	1:B:108:GLU:HA	1	1.29
(1,1737)	1:B:122:VAL:HG21	1:B:147:VAL:HB	11	1.29
(1,1737)	1:B:122:VAL:HG22	1:B:147:VAL:HB	11	1.29
(1,1737)	1:B:122:VAL:HG23	1:B:147:VAL:HB	11	1.29
(1,168)	1:A:55:ILE:HD11	1:A:50:LEU:HD11	10	1.29
(1,168)	1:A:55:ILE:HD11	1:A:50:LEU:HD12	10	1.29
(1,168)	1:A:55:ILE:HD11	1:A:50:LEU:HD13	10	1.29
(1,168)	1:A:55:ILE:HD12	1:A:50:LEU:HD11	10	1.29
(1,168)	1:A:55:ILE:HD12	1:A:50:LEU:HD12	10	1.29
(1,168)	1:A:55:ILE:HD12	1:A:50:LEU:HD13	10	1.29
(1,168)	1:A:55:ILE:HD13	1:A:50:LEU:HD11	10	1.29
(1,168)	1:A:55:ILE:HD13	1:A:50:LEU:HD12	10	1.29
(1,168)	1:A:55:ILE:HD13	1:A:50:LEU:HD13	10	1.29
(1,14)	1:A:25:ASP:H	1:A:24:VAL:HG21	6	1.29
(1,14)	1:A:25:ASP:H	1:A:24:VAL:HG22	6	1.29
(1,14)	1:A:25:ASP:H	1:A:24:VAL:HG23	6	1.29
(1,1152)	1:A:24:VAL:HG21	1:A:25:ASP:H	6	1.29
(1,1152)	1:A:24:VAL:HG22	1:A:25:ASP:H	6	1.29
(1,1152)	1:A:24:VAL:HG23	1:A:25:ASP:H	6	1.29
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG11	11	1.28
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG12	11	1.28
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG13	11	1.28
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG11	11	1.28
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG12	11	1.28
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG13	11	1.28
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG11	11	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG12	11	1.28
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG13	11	1.28
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD21	15	1.28
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD22	15	1.28
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD23	15	1.28
(1,280)	1:A:22:LEU:HD21	1:A:19:GLU:HA	15	1.28
(1,280)	1:A:22:LEU:HD22	1:A:19:GLU:HA	15	1.28
(1,280)	1:A:22:LEU:HD23	1:A:19:GLU:HA	15	1.28
(1,2606)	1:B:167:VAL:HG11	1:B:163:PHE:HA	6	1.28
(1,2606)	1:B:167:VAL:HG12	1:B:163:PHE:HA	6	1.28
(1,2606)	1:B:167:VAL:HG13	1:B:163:PHE:HA	6	1.28
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG21	5	1.28
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG22	5	1.28
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG23	5	1.28
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD21	8	1.28
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD22	8	1.28
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD23	8	1.28
(1,1846)	1:B:111:LEU:HD21	1:B:108:GLU:HA	8	1.28
(1,1846)	1:B:111:LEU:HD22	1:B:108:GLU:HA	8	1.28
(1,1846)	1:B:111:LEU:HD23	1:B:108:GLU:HA	8	1.28
(1,1813)	1:B:111:LEU:HD21	1:B:159:LYS:HA	2	1.28
(1,1813)	1:B:111:LEU:HD22	1:B:159:LYS:HA	2	1.28
(1,1813)	1:B:111:LEU:HD23	1:B:159:LYS:HA	2	1.28
(1,1737)	1:B:122:VAL:HG21	1:B:147:VAL:HB	5	1.28
(1,1737)	1:B:122:VAL:HG22	1:B:147:VAL:HB	5	1.28
(1,1737)	1:B:122:VAL:HG23	1:B:147:VAL:HB	5	1.28
(1,14)	1:A:25:ASP:H	1:A:24:VAL:HG21	7	1.28
(1,14)	1:A:25:ASP:H	1:A:24:VAL:HG22	7	1.28
(1,14)	1:A:25:ASP:H	1:A:24:VAL:HG23	7	1.28
(1,1152)	1:A:24:VAL:HG21	1:A:25:ASP:H	7	1.28
(1,1152)	1:A:24:VAL:HG22	1:A:25:ASP:H	7	1.28
(1,1152)	1:A:24:VAL:HG23	1:A:25:ASP:H	7	1.28
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG11	6	1.27
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG12	6	1.27
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG13	6	1.27
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG11	6	1.27
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG12	6	1.27
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG13	6	1.27
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB1	2	1.27
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB2	2	1.27
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB3	2	1.27
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB1	2	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB2	2	1.27
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB3	2	1.27
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB1	2	1.27
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB2	2	1.27
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB3	2	1.27
(1,728)	1:A:37:GLU:HG2	1:A:33:VAL:HG21	4	1.27
(1,728)	1:A:37:GLU:HG2	1:A:33:VAL:HG22	4	1.27
(1,728)	1:A:37:GLU:HG2	1:A:33:VAL:HG23	4	1.27
(1,728)	1:A:37:GLU:HG3	1:A:33:VAL:HG21	4	1.27
(1,728)	1:A:37:GLU:HG3	1:A:33:VAL:HG22	4	1.27
(1,728)	1:A:37:GLU:HG3	1:A:33:VAL:HG23	4	1.27
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG11	4	1.27
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG12	4	1.27
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG13	4	1.27
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG11	4	1.27
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG12	4	1.27
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG13	4	1.27
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG11	4	1.27
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG12	4	1.27
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG13	4	1.27
(1,414)	1:A:24:VAL:HG21	1:A:28:PHE:HB2	2	1.27
(1,414)	1:A:24:VAL:HG21	1:A:28:PHE:HB3	2	1.27
(1,414)	1:A:24:VAL:HG22	1:A:28:PHE:HB2	2	1.27
(1,414)	1:A:24:VAL:HG22	1:A:28:PHE:HB3	2	1.27
(1,414)	1:A:24:VAL:HG23	1:A:28:PHE:HB2	2	1.27
(1,414)	1:A:24:VAL:HG23	1:A:28:PHE:HB3	2	1.27
(1,408)	1:A:22:LEU:HD21	1:A:70:LYS:HE2	10	1.27
(1,408)	1:A:22:LEU:HD21	1:A:70:LYS:HE3	10	1.27
(1,408)	1:A:22:LEU:HD22	1:A:70:LYS:HE2	10	1.27
(1,408)	1:A:22:LEU:HD22	1:A:70:LYS:HE3	10	1.27
(1,408)	1:A:22:LEU:HD23	1:A:70:LYS:HE2	10	1.27
(1,408)	1:A:22:LEU:HD23	1:A:70:LYS:HE3	10	1.27
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG11	20	1.27
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG12	20	1.27
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG13	20	1.27
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG11	20	1.27
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG12	20	1.27
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG13	20	1.27
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG11	20	1.27
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG12	20	1.27
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG13	20	1.27
(1,2190)	1:B:111:LEU:HD21	1:B:159:LYS:HG2	19	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2190)	1:B:111:LEU:HD21	1:B:159:LYS:HG3	19	1.27
(1,2190)	1:B:111:LEU:HD22	1:B:159:LYS:HG2	19	1.27
(1,2190)	1:B:111:LEU:HD22	1:B:159:LYS:HG3	19	1.27
(1,2190)	1:B:111:LEU:HD23	1:B:159:LYS:HG2	19	1.27
(1,2190)	1:B:111:LEU:HD23	1:B:159:LYS:HG3	19	1.27
(1,14)	1:A:25:ASP:H	1:A:24:VAL:HG21	5	1.27
(1,14)	1:A:25:ASP:H	1:A:24:VAL:HG22	5	1.27
(1,14)	1:A:25:ASP:H	1:A:24:VAL:HG23	5	1.27
(1,1152)	1:A:24:VAL:HG21	1:A:25:ASP:H	5	1.27
(1,1152)	1:A:24:VAL:HG22	1:A:25:ASP:H	5	1.27
(1,1152)	1:A:24:VAL:HG23	1:A:25:ASP:H	5	1.27
(1,414)	1:A:24:VAL:HG21	1:A:28:PHE:HB2	11	1.26
(1,414)	1:A:24:VAL:HG21	1:A:28:PHE:HB3	11	1.26
(1,414)	1:A:24:VAL:HG22	1:A:28:PHE:HB2	11	1.26
(1,414)	1:A:24:VAL:HG22	1:A:28:PHE:HB3	11	1.26
(1,414)	1:A:24:VAL:HG23	1:A:28:PHE:HB2	11	1.26
(1,414)	1:A:24:VAL:HG23	1:A:28:PHE:HB3	11	1.26
(1,2606)	1:B:167:VAL:HG11	1:B:163:PHE:HA	9	1.26
(1,2606)	1:B:167:VAL:HG12	1:B:163:PHE:HA	9	1.26
(1,2606)	1:B:167:VAL:HG13	1:B:163:PHE:HA	9	1.26
(1,1974)	1:B:111:LEU:HD21	1:B:159:LYS:HE2	13	1.26
(1,1974)	1:B:111:LEU:HD21	1:B:159:LYS:HE3	13	1.26
(1,1974)	1:B:111:LEU:HD22	1:B:159:LYS:HE2	13	1.26
(1,1974)	1:B:111:LEU:HD22	1:B:159:LYS:HE3	13	1.26
(1,1974)	1:B:111:LEU:HD23	1:B:159:LYS:HE2	13	1.26
(1,1974)	1:B:111:LEU:HD23	1:B:159:LYS:HE3	13	1.26
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB1	15	1.25
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB2	15	1.25
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB3	15	1.25
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB1	15	1.25
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB2	15	1.25
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB3	15	1.25
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB1	15	1.25
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB2	15	1.25
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB3	15	1.25
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG21	12	1.25
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG22	12	1.25
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG23	12	1.25
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD21	1	1.25
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD22	1	1.25
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD23	1	1.25
(1,280)	1:A:22:LEU:HD21	1:A:19:GLU:HA	1	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,280)	1:A:22:LEU:HD22	1:A:19:GLU:HA	1	1.25
(1,280)	1:A:22:LEU:HD23	1:A:19:GLU:HA	1	1.25
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG11	20	1.25
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG12	20	1.25
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG13	20	1.25
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG11	20	1.25
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG12	20	1.25
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG13	20	1.25
(1,1980)	1:B:113:VAL:HG21	1:B:117:PHE:HB2	15	1.25
(1,1980)	1:B:113:VAL:HG21	1:B:117:PHE:HB3	15	1.25
(1,1980)	1:B:113:VAL:HG22	1:B:117:PHE:HB2	15	1.25
(1,1980)	1:B:113:VAL:HG22	1:B:117:PHE:HB3	15	1.25
(1,1980)	1:B:113:VAL:HG23	1:B:117:PHE:HB2	15	1.25
(1,1980)	1:B:113:VAL:HG23	1:B:117:PHE:HB3	15	1.25
(1,1974)	1:B:111:LEU:HD21	1:B:159:LYS:HE2	4	1.25
(1,1974)	1:B:111:LEU:HD21	1:B:159:LYS:HE3	4	1.25
(1,1974)	1:B:111:LEU:HD22	1:B:159:LYS:HE2	4	1.25
(1,1974)	1:B:111:LEU:HD22	1:B:159:LYS:HE3	4	1.25
(1,1974)	1:B:111:LEU:HD23	1:B:159:LYS:HE2	4	1.25
(1,1974)	1:B:111:LEU:HD23	1:B:159:LYS:HE3	4	1.25
(1,171)	1:A:33:VAL:HG21	1:A:58:VAL:HB	12	1.25
(1,171)	1:A:33:VAL:HG22	1:A:58:VAL:HB	12	1.25
(1,171)	1:A:33:VAL:HG23	1:A:58:VAL:HB	12	1.25
(1,1671)	1:B:156:THR:HA	1:B:111:LEU:HD21	14	1.25
(1,1671)	1:B:156:THR:HA	1:B:111:LEU:HD22	14	1.25
(1,1671)	1:B:156:THR:HA	1:B:111:LEU:HD23	14	1.25
(1,1624)	1:B:111:LEU:HD21	1:B:156:THR:HA	14	1.25
(1,1624)	1:B:111:LEU:HD22	1:B:156:THR:HA	14	1.25
(1,1624)	1:B:111:LEU:HD23	1:B:156:THR:HA	14	1.25
(1,14)	1:A:25:ASP:H	1:A:24:VAL:HG21	1	1.25
(1,14)	1:A:25:ASP:H	1:A:24:VAL:HG22	1	1.25
(1,14)	1:A:25:ASP:H	1:A:24:VAL:HG23	1	1.25
(1,1152)	1:A:24:VAL:HG21	1:A:25:ASP:H	1	1.25
(1,1152)	1:A:24:VAL:HG22	1:A:25:ASP:H	1	1.25
(1,1152)	1:A:24:VAL:HG23	1:A:25:ASP:H	1	1.25
(1,1028)	1:A:22:LEU:HD21	1:A:70:LYS:HD2	8	1.25
(1,1028)	1:A:22:LEU:HD21	1:A:70:LYS:HD3	8	1.25
(1,1028)	1:A:22:LEU:HD22	1:A:70:LYS:HD2	8	1.25
(1,1028)	1:A:22:LEU:HD22	1:A:70:LYS:HD3	8	1.25
(1,1028)	1:A:22:LEU:HD23	1:A:70:LYS:HD2	8	1.25
(1,1028)	1:A:22:LEU:HD23	1:A:70:LYS:HD3	8	1.25
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG11	17	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG12	17	1.24
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG13	17	1.24
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG11	17	1.24
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG12	17	1.24
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG13	17	1.24
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG11	17	1.24
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG12	17	1.24
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG13	17	1.24
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB1	1	1.24
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB2	1	1.24
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB3	1	1.24
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB1	1	1.24
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB2	1	1.24
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB3	1	1.24
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB1	1	1.24
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB2	1	1.24
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB3	1	1.24
(1,2294)	1:B:126:GLU:HG2	1:B:122:VAL:HG21	10	1.24
(1,2294)	1:B:126:GLU:HG2	1:B:122:VAL:HG22	10	1.24
(1,2294)	1:B:126:GLU:HG2	1:B:122:VAL:HG23	10	1.24
(1,2294)	1:B:126:GLU:HG3	1:B:122:VAL:HG21	10	1.24
(1,2294)	1:B:126:GLU:HG3	1:B:122:VAL:HG22	10	1.24
(1,2294)	1:B:126:GLU:HG3	1:B:122:VAL:HG23	10	1.24
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG11	3	1.24
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG12	3	1.24
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG13	3	1.24
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG11	3	1.24
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG12	3	1.24
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG13	3	1.24
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG11	3	1.24
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG12	3	1.24
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG13	3	1.24
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG11	11	1.24
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG12	11	1.24
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG13	11	1.24
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG11	11	1.24
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG12	11	1.24
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG13	11	1.24
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG11	11	1.24
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG12	11	1.24
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG13	11	1.24
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG11	18	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG12	18	1.24
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG13	18	1.24
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG11	18	1.24
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG12	18	1.24
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG13	18	1.24
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG11	18	1.24
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG12	18	1.24
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG13	18	1.24
(1,1974)	1:B:111:LEU:HD21	1:B:159:LYS:HE2	11	1.24
(1,1974)	1:B:111:LEU:HD21	1:B:159:LYS:HE3	11	1.24
(1,1974)	1:B:111:LEU:HD22	1:B:159:LYS:HE2	11	1.24
(1,1974)	1:B:111:LEU:HD22	1:B:159:LYS:HE3	11	1.24
(1,1974)	1:B:111:LEU:HD23	1:B:159:LYS:HE2	11	1.24
(1,1974)	1:B:111:LEU:HD23	1:B:159:LYS:HE3	11	1.24
(1,117)	1:A:55:ILE:HA	1:A:58:VAL:HG21	7	1.24
(1,117)	1:A:55:ILE:HA	1:A:58:VAL:HG22	7	1.24
(1,117)	1:A:55:ILE:HA	1:A:58:VAL:HG23	7	1.24
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG11	19	1.23
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG12	19	1.23
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG13	19	1.23
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG11	19	1.23
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG12	19	1.23
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG13	19	1.23
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG11	19	1.23
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG12	19	1.23
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG13	19	1.23
(1,2736)	1:B:138:VAL:HG21	1:B:138:VAL:H	1	1.23
(1,2736)	1:B:138:VAL:HG22	1:B:138:VAL:H	1	1.23
(1,2736)	1:B:138:VAL:HG23	1:B:138:VAL:H	1	1.23
(1,2594)	1:B:111:LEU:HD21	1:B:159:LYS:HD2	8	1.23
(1,2594)	1:B:111:LEU:HD21	1:B:159:LYS:HD3	8	1.23
(1,2594)	1:B:111:LEU:HD22	1:B:159:LYS:HD2	8	1.23
(1,2594)	1:B:111:LEU:HD22	1:B:159:LYS:HD3	8	1.23
(1,2594)	1:B:111:LEU:HD23	1:B:159:LYS:HD2	8	1.23
(1,2594)	1:B:111:LEU:HD23	1:B:159:LYS:HD3	8	1.23
(1,2307)	1:B:122:VAL:HG21	1:B:167:VAL:HG21	5	1.23
(1,2307)	1:B:122:VAL:HG21	1:B:167:VAL:HG22	5	1.23
(1,2307)	1:B:122:VAL:HG21	1:B:167:VAL:HG23	5	1.23
(1,2307)	1:B:122:VAL:HG22	1:B:167:VAL:HG21	5	1.23
(1,2307)	1:B:122:VAL:HG22	1:B:167:VAL:HG22	5	1.23
(1,2307)	1:B:122:VAL:HG22	1:B:167:VAL:HG23	5	1.23
(1,2307)	1:B:122:VAL:HG23	1:B:167:VAL:HG21	5	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2307)	1:B:122:VAL:HG23	1:B:167:VAL:HG22	5	1.23
(1,2307)	1:B:122:VAL:HG23	1:B:167:VAL:HG23	5	1.23
(1,1980)	1:B:113:VAL:HG21	1:B:117:PHE:HB2	2	1.23
(1,1980)	1:B:113:VAL:HG21	1:B:117:PHE:HB3	2	1.23
(1,1980)	1:B:113:VAL:HG22	1:B:117:PHE:HB2	2	1.23
(1,1980)	1:B:113:VAL:HG22	1:B:117:PHE:HB3	2	1.23
(1,1980)	1:B:113:VAL:HG23	1:B:117:PHE:HB2	2	1.23
(1,1980)	1:B:113:VAL:HG23	1:B:117:PHE:HB3	2	1.23
(1,1583)	1:B:138:VAL:H	1:B:138:VAL:HG21	1	1.23
(1,1583)	1:B:138:VAL:H	1:B:138:VAL:HG22	1	1.23
(1,1583)	1:B:138:VAL:H	1:B:138:VAL:HG23	1	1.23
(1,408)	1:A:22:LEU:HD21	1:A:70:LYS:HE2	18	1.22
(1,408)	1:A:22:LEU:HD21	1:A:70:LYS:HE3	18	1.22
(1,408)	1:A:22:LEU:HD22	1:A:70:LYS:HE2	18	1.22
(1,408)	1:A:22:LEU:HD22	1:A:70:LYS:HE3	18	1.22
(1,408)	1:A:22:LEU:HD23	1:A:70:LYS:HE2	18	1.22
(1,408)	1:A:22:LEU:HD23	1:A:70:LYS:HE3	18	1.22
(1,1671)	1:B:156:THR:HA	1:B:111:LEU:HD21	2	1.22
(1,1671)	1:B:156:THR:HA	1:B:111:LEU:HD22	2	1.22
(1,1671)	1:B:156:THR:HA	1:B:111:LEU:HD23	2	1.22
(1,1624)	1:B:111:LEU:HD21	1:B:156:THR:HA	2	1.22
(1,1624)	1:B:111:LEU:HD22	1:B:156:THR:HA	2	1.22
(1,1624)	1:B:111:LEU:HD23	1:B:156:THR:HA	2	1.22
(1,1040)	1:A:78:VAL:HG11	1:A:74:PHE:HA	4	1.22
(1,1040)	1:A:78:VAL:HG12	1:A:74:PHE:HA	4	1.22
(1,1040)	1:A:78:VAL:HG13	1:A:74:PHE:HA	4	1.22
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG11	20	1.21
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG12	20	1.21
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG13	20	1.21
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG11	20	1.21
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG12	20	1.21
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG13	20	1.21
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG11	20	1.21
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG12	20	1.21
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG13	20	1.21
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG11	11	1.21
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG12	11	1.21
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG13	11	1.21
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG11	11	1.21
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG12	11	1.21
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG13	11	1.21
(1,408)	1:A:22:LEU:HD21	1:A:70:LYS:HE2	1	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,408)	1:A:22:LEU:HD21	1:A:70:LYS:HE3	1	1.21
(1,408)	1:A:22:LEU:HD22	1:A:70:LYS:HE2	1	1.21
(1,408)	1:A:22:LEU:HD22	1:A:70:LYS:HE3	1	1.21
(1,408)	1:A:22:LEU:HD23	1:A:70:LYS:HE2	1	1.21
(1,408)	1:A:22:LEU:HD23	1:A:70:LYS:HE3	1	1.21
(1,2594)	1:B:111:LEU:HD21	1:B:159:LYS:HD2	9	1.21
(1,2594)	1:B:111:LEU:HD21	1:B:159:LYS:HD3	9	1.21
(1,2594)	1:B:111:LEU:HD22	1:B:159:LYS:HD2	9	1.21
(1,2594)	1:B:111:LEU:HD22	1:B:159:LYS:HD3	9	1.21
(1,2594)	1:B:111:LEU:HD23	1:B:159:LYS:HD2	9	1.21
(1,2594)	1:B:111:LEU:HD23	1:B:159:LYS:HD3	9	1.21
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG11	19	1.21
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG12	19	1.21
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG13	19	1.21
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG11	19	1.21
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG12	19	1.21
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG13	19	1.21
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD21	10	1.21
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD22	10	1.21
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD23	10	1.21
(1,1846)	1:B:111:LEU:HD21	1:B:108:GLU:HA	10	1.21
(1,1846)	1:B:111:LEU:HD22	1:B:108:GLU:HA	10	1.21
(1,1846)	1:B:111:LEU:HD23	1:B:108:GLU:HA	10	1.21
(1,1028)	1:A:22:LEU:HD21	1:A:70:LYS:HD2	6	1.21
(1,1028)	1:A:22:LEU:HD21	1:A:70:LYS:HD3	6	1.21
(1,1028)	1:A:22:LEU:HD22	1:A:70:LYS:HD2	6	1.21
(1,1028)	1:A:22:LEU:HD22	1:A:70:LYS:HD3	6	1.21
(1,1028)	1:A:22:LEU:HD23	1:A:70:LYS:HD2	6	1.21
(1,1028)	1:A:22:LEU:HD23	1:A:70:LYS:HD3	6	1.21
(1,700)	1:A:82:TRP:H	1:A:58:VAL:HG11	4	1.2
(1,700)	1:A:82:TRP:H	1:A:58:VAL:HG12	4	1.2
(1,700)	1:A:82:TRP:H	1:A:58:VAL:HG13	4	1.2
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD21	18	1.2
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD22	18	1.2
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD23	18	1.2
(1,280)	1:A:22:LEU:HD21	1:A:19:GLU:HA	18	1.2
(1,280)	1:A:22:LEU:HD22	1:A:19:GLU:HA	18	1.2
(1,280)	1:A:22:LEU:HD23	1:A:19:GLU:HA	18	1.2
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB1	7	1.2
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB2	7	1.2
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB3	7	1.2
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB1	7	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB2	7	1.2
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB3	7	1.2
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB1	7	1.2
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB2	7	1.2
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB3	7	1.2
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG11	11	1.2
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG12	11	1.2
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG13	11	1.2
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG11	11	1.2
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG12	11	1.2
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG13	11	1.2
(1,168)	1:A:55:ILE:HD11	1:A:50:LEU:HD11	12	1.2
(1,168)	1:A:55:ILE:HD11	1:A:50:LEU:HD12	12	1.2
(1,168)	1:A:55:ILE:HD11	1:A:50:LEU:HD13	12	1.2
(1,168)	1:A:55:ILE:HD12	1:A:50:LEU:HD11	12	1.2
(1,168)	1:A:55:ILE:HD12	1:A:50:LEU:HD12	12	1.2
(1,168)	1:A:55:ILE:HD12	1:A:50:LEU:HD13	12	1.2
(1,168)	1:A:55:ILE:HD13	1:A:50:LEU:HD11	12	1.2
(1,168)	1:A:55:ILE:HD13	1:A:50:LEU:HD12	12	1.2
(1,168)	1:A:55:ILE:HD13	1:A:50:LEU:HD13	12	1.2
(1,700)	1:A:82:TRP:H	1:A:58:VAL:HG11	7	1.19
(1,700)	1:A:82:TRP:H	1:A:58:VAL:HG12	7	1.19
(1,700)	1:A:82:TRP:H	1:A:58:VAL:HG13	7	1.19
(1,408)	1:A:22:LEU:HD21	1:A:70:LYS:HE2	17	1.19
(1,408)	1:A:22:LEU:HD21	1:A:70:LYS:HE3	17	1.19
(1,408)	1:A:22:LEU:HD22	1:A:70:LYS:HE2	17	1.19
(1,408)	1:A:22:LEU:HD22	1:A:70:LYS:HE3	17	1.19
(1,408)	1:A:22:LEU:HD23	1:A:70:LYS:HE2	17	1.19
(1,408)	1:A:22:LEU:HD23	1:A:70:LYS:HE3	17	1.19
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG21	7	1.19
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG22	7	1.19
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG23	7	1.19
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG21	7	1.19
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG22	7	1.19
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG23	7	1.19
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG21	7	1.19
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG22	7	1.19
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG23	7	1.19
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD11	12	1.19
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD12	12	1.19
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD13	12	1.19
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG11	16	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG12	16	1.19
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG13	16	1.19
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG11	16	1.19
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG12	16	1.19
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG13	16	1.19
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG11	16	1.19
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG12	16	1.19
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG13	16	1.19
(1,2606)	1:B:167:VAL:HG11	1:B:163:PHE:HA	20	1.18
(1,2606)	1:B:167:VAL:HG12	1:B:163:PHE:HA	20	1.18
(1,2606)	1:B:167:VAL:HG13	1:B:163:PHE:HA	20	1.18
(1,17)	1:A:49:VAL:H	1:A:49:VAL:HG21	12	1.18
(1,17)	1:A:49:VAL:H	1:A:49:VAL:HG22	12	1.18
(1,17)	1:A:49:VAL:H	1:A:49:VAL:HG23	12	1.18
(1,1170)	1:A:49:VAL:HG21	1:A:49:VAL:H	12	1.18
(1,1170)	1:A:49:VAL:HG22	1:A:49:VAL:H	12	1.18
(1,1170)	1:A:49:VAL:HG23	1:A:49:VAL:H	12	1.18
(1,1040)	1:A:78:VAL:HG11	1:A:74:PHE:HA	17	1.18
(1,1040)	1:A:78:VAL:HG12	1:A:74:PHE:HA	17	1.18
(1,1040)	1:A:78:VAL:HG13	1:A:74:PHE:HA	17	1.18
(1,1028)	1:A:22:LEU:HD21	1:A:70:LYS:HD2	11	1.18
(1,1028)	1:A:22:LEU:HD21	1:A:70:LYS:HD3	11	1.18
(1,1028)	1:A:22:LEU:HD22	1:A:70:LYS:HD2	11	1.18
(1,1028)	1:A:22:LEU:HD22	1:A:70:LYS:HD3	11	1.18
(1,1028)	1:A:22:LEU:HD23	1:A:70:LYS:HD2	11	1.18
(1,1028)	1:A:22:LEU:HD23	1:A:70:LYS:HD3	11	1.18
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG21	4	1.17
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG22	4	1.17
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG23	4	1.17
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG21	9	1.17
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG22	9	1.17
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG23	9	1.17
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG11	15	1.17
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG12	15	1.17
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG13	15	1.17
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG11	15	1.17
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG12	15	1.17
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG13	15	1.17
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG11	15	1.17
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG12	15	1.17
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG13	15	1.17
(1,2718)	1:B:113:VAL:HG21	1:B:114:ASP:H	8	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2718)	1:B:113:VAL:HG22	1:B:114:ASP:H	8	1.17
(1,2718)	1:B:113:VAL:HG23	1:B:114:ASP:H	8	1.17
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB1	10	1.17
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB2	10	1.17
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB3	10	1.17
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB1	10	1.17
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB2	10	1.17
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB3	10	1.17
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB1	10	1.17
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB2	10	1.17
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB3	10	1.17
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB1	17	1.17
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB2	17	1.17
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB3	17	1.17
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB1	17	1.17
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB2	17	1.17
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB3	17	1.17
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB1	17	1.17
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB2	17	1.17
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB3	17	1.17
(1,1734)	1:B:144:ILE:HD11	1:B:139:LEU:HD11	17	1.17
(1,1734)	1:B:144:ILE:HD11	1:B:139:LEU:HD12	17	1.17
(1,1734)	1:B:144:ILE:HD11	1:B:139:LEU:HD13	17	1.17
(1,1734)	1:B:144:ILE:HD12	1:B:139:LEU:HD11	17	1.17
(1,1734)	1:B:144:ILE:HD12	1:B:139:LEU:HD12	17	1.17
(1,1734)	1:B:144:ILE:HD12	1:B:139:LEU:HD13	17	1.17
(1,1734)	1:B:144:ILE:HD13	1:B:139:LEU:HD11	17	1.17
(1,1734)	1:B:144:ILE:HD13	1:B:139:LEU:HD12	17	1.17
(1,1734)	1:B:144:ILE:HD13	1:B:139:LEU:HD13	17	1.17
(1,171)	1:A:33:VAL:HG21	1:A:58:VAL:HB	4	1.17
(1,171)	1:A:33:VAL:HG22	1:A:58:VAL:HB	4	1.17
(1,171)	1:A:33:VAL:HG23	1:A:58:VAL:HB	4	1.17
(1,171)	1:A:33:VAL:HG21	1:A:58:VAL:HB	9	1.17
(1,171)	1:A:33:VAL:HG22	1:A:58:VAL:HB	9	1.17
(1,171)	1:A:33:VAL:HG23	1:A:58:VAL:HB	9	1.17
(1,1580)	1:B:114:ASP:H	1:B:113:VAL:HG21	8	1.17
(1,1580)	1:B:114:ASP:H	1:B:113:VAL:HG22	8	1.17
(1,1580)	1:B:114:ASP:H	1:B:113:VAL:HG23	8	1.17
(1,1040)	1:A:78:VAL:HG11	1:A:74:PHE:HA	2	1.17
(1,1040)	1:A:78:VAL:HG12	1:A:74:PHE:HA	2	1.17
(1,1040)	1:A:78:VAL:HG13	1:A:74:PHE:HA	2	1.17
(1,1028)	1:A:22:LEU:HD21	1:A:70:LYS:HD2	13	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1028)	1:A:22:LEU:HD21	1:A:70:LYS:HD3	13	1.17
(1,1028)	1:A:22:LEU:HD22	1:A:70:LYS:HD2	13	1.17
(1,1028)	1:A:22:LEU:HD22	1:A:70:LYS:HD3	13	1.17
(1,1028)	1:A:22:LEU:HD23	1:A:70:LYS:HD2	13	1.17
(1,1028)	1:A:22:LEU:HD23	1:A:70:LYS:HD3	13	1.17
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG11	8	1.16
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG12	8	1.16
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG13	8	1.16
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG11	8	1.16
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG12	8	1.16
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG13	8	1.16
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG11	8	1.16
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG12	8	1.16
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG13	8	1.16
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD21	14	1.16
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD22	14	1.16
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD23	14	1.16
(1,280)	1:A:22:LEU:HD21	1:A:19:GLU:HA	14	1.16
(1,280)	1:A:22:LEU:HD22	1:A:19:GLU:HA	14	1.16
(1,280)	1:A:22:LEU:HD23	1:A:19:GLU:HA	14	1.16
(1,1040)	1:A:78:VAL:HG11	1:A:74:PHE:HA	7	1.16
(1,1040)	1:A:78:VAL:HG12	1:A:74:PHE:HA	7	1.16
(1,1040)	1:A:78:VAL:HG13	1:A:74:PHE:HA	7	1.16
(1,994)	1:A:85:ILE:HD11	1:A:58:VAL:HG21	6	1.15
(1,994)	1:A:85:ILE:HD11	1:A:58:VAL:HG22	6	1.15
(1,994)	1:A:85:ILE:HD11	1:A:58:VAL:HG23	6	1.15
(1,994)	1:A:85:ILE:HD12	1:A:58:VAL:HG21	6	1.15
(1,994)	1:A:85:ILE:HD12	1:A:58:VAL:HG22	6	1.15
(1,994)	1:A:85:ILE:HD12	1:A:58:VAL:HG23	6	1.15
(1,994)	1:A:85:ILE:HD13	1:A:58:VAL:HG21	6	1.15
(1,994)	1:A:85:ILE:HD13	1:A:58:VAL:HG22	6	1.15
(1,994)	1:A:85:ILE:HD13	1:A:58:VAL:HG23	6	1.15
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG11	17	1.15
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG12	17	1.15
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG13	17	1.15
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG11	17	1.15
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG12	17	1.15
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG13	17	1.15
(1,742)	1:A:79:LYS:HA	1:A:78:VAL:HG21	11	1.15
(1,742)	1:A:79:LYS:HA	1:A:78:VAL:HG22	11	1.15
(1,742)	1:A:79:LYS:HA	1:A:78:VAL:HG23	11	1.15
(1,408)	1:A:22:LEU:HD21	1:A:70:LYS:HE2	4	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,408)	1:A:22:LEU:HD21	1:A:70:LYS:HE3	4	1.15
(1,408)	1:A:22:LEU:HD22	1:A:70:LYS:HE2	4	1.15
(1,408)	1:A:22:LEU:HD22	1:A:70:LYS:HE3	4	1.15
(1,408)	1:A:22:LEU:HD23	1:A:70:LYS:HE2	4	1.15
(1,408)	1:A:22:LEU:HD23	1:A:70:LYS:HE3	4	1.15
(1,408)	1:A:22:LEU:HD21	1:A:70:LYS:HE2	15	1.15
(1,408)	1:A:22:LEU:HD21	1:A:70:LYS:HE3	15	1.15
(1,408)	1:A:22:LEU:HD22	1:A:70:LYS:HE2	15	1.15
(1,408)	1:A:22:LEU:HD22	1:A:70:LYS:HE3	15	1.15
(1,408)	1:A:22:LEU:HD23	1:A:70:LYS:HE2	15	1.15
(1,408)	1:A:22:LEU:HD23	1:A:70:LYS:HE3	15	1.15
(1,2718)	1:B:113:VAL:HG21	1:B:114:ASP:H	2	1.15
(1,2718)	1:B:113:VAL:HG22	1:B:114:ASP:H	2	1.15
(1,2718)	1:B:113:VAL:HG23	1:B:114:ASP:H	2	1.15
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD21	9	1.15
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD22	9	1.15
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD23	9	1.15
(1,1846)	1:B:111:LEU:HD21	1:B:108:GLU:HA	9	1.15
(1,1846)	1:B:111:LEU:HD22	1:B:108:GLU:HA	9	1.15
(1,1846)	1:B:111:LEU:HD23	1:B:108:GLU:HA	9	1.15
(1,1580)	1:B:114:ASP:H	1:B:113:VAL:HG21	2	1.15
(1,1580)	1:B:114:ASP:H	1:B:113:VAL:HG22	2	1.15
(1,1580)	1:B:114:ASP:H	1:B:113:VAL:HG23	2	1.15
(1,994)	1:A:85:ILE:HD11	1:A:58:VAL:HG21	5	1.14
(1,994)	1:A:85:ILE:HD11	1:A:58:VAL:HG22	5	1.14
(1,994)	1:A:85:ILE:HD11	1:A:58:VAL:HG23	5	1.14
(1,994)	1:A:85:ILE:HD12	1:A:58:VAL:HG21	5	1.14
(1,994)	1:A:85:ILE:HD12	1:A:58:VAL:HG22	5	1.14
(1,994)	1:A:85:ILE:HD12	1:A:58:VAL:HG23	5	1.14
(1,994)	1:A:85:ILE:HD13	1:A:58:VAL:HG21	5	1.14
(1,994)	1:A:85:ILE:HD13	1:A:58:VAL:HG22	5	1.14
(1,994)	1:A:85:ILE:HD13	1:A:58:VAL:HG23	5	1.14
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG21	11	1.14
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG22	11	1.14
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG23	11	1.14
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG21	11	1.14
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG22	11	1.14
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG23	11	1.14
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG21	11	1.14
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG22	11	1.14
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG23	11	1.14
(1,742)	1:A:79:LYS:HA	1:A:78:VAL:HG21	3	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,742)	1:A:79:LYS:HA	1:A:78:VAL:HG22	3	1.14
(1,742)	1:A:79:LYS:HA	1:A:78:VAL:HG23	3	1.14
(1,624)	1:A:22:LEU:HD21	1:A:70:LYS:HG2	10	1.14
(1,624)	1:A:22:LEU:HD21	1:A:70:LYS:HG3	10	1.14
(1,624)	1:A:22:LEU:HD22	1:A:70:LYS:HG2	10	1.14
(1,624)	1:A:22:LEU:HD22	1:A:70:LYS:HG3	10	1.14
(1,624)	1:A:22:LEU:HD23	1:A:70:LYS:HG2	10	1.14
(1,624)	1:A:22:LEU:HD23	1:A:70:LYS:HG3	10	1.14
(1,408)	1:A:22:LEU:HD21	1:A:70:LYS:HE2	9	1.14
(1,408)	1:A:22:LEU:HD21	1:A:70:LYS:HE3	9	1.14
(1,408)	1:A:22:LEU:HD22	1:A:70:LYS:HE2	9	1.14
(1,408)	1:A:22:LEU:HD22	1:A:70:LYS:HE3	9	1.14
(1,408)	1:A:22:LEU:HD23	1:A:70:LYS:HE2	9	1.14
(1,408)	1:A:22:LEU:HD23	1:A:70:LYS:HE3	9	1.14
(1,408)	1:A:22:LEU:HD21	1:A:70:LYS:HE2	14	1.14
(1,408)	1:A:22:LEU:HD21	1:A:70:LYS:HE3	14	1.14
(1,408)	1:A:22:LEU:HD22	1:A:70:LYS:HE2	14	1.14
(1,408)	1:A:22:LEU:HD22	1:A:70:LYS:HE3	14	1.14
(1,408)	1:A:22:LEU:HD23	1:A:70:LYS:HE2	14	1.14
(1,408)	1:A:22:LEU:HD23	1:A:70:LYS:HE3	14	1.14
(1,247)	1:A:22:LEU:HD21	1:A:70:LYS:HA	5	1.14
(1,247)	1:A:22:LEU:HD22	1:A:70:LYS:HA	5	1.14
(1,247)	1:A:22:LEU:HD23	1:A:70:LYS:HA	5	1.14
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG21	15	1.14
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG22	15	1.14
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG23	15	1.14
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG21	15	1.14
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG22	15	1.14
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG23	15	1.14
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG21	15	1.14
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG22	15	1.14
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG23	15	1.14
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG11	20	1.14
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG12	20	1.14
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG13	20	1.14
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG11	20	1.14
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG12	20	1.14
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG13	20	1.14
(1,1974)	1:B:111:LEU:HD21	1:B:159:LYS:HE2	17	1.14
(1,1974)	1:B:111:LEU:HD21	1:B:159:LYS:HE3	17	1.14
(1,1974)	1:B:111:LEU:HD22	1:B:159:LYS:HE2	17	1.14
(1,1974)	1:B:111:LEU:HD22	1:B:159:LYS:HE3	17	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1974)	1:B:111:LEU:HD23	1:B:159:LYS:HE2	17	1.14
(1,1974)	1:B:111:LEU:HD23	1:B:159:LYS:HE3	17	1.14
(1,168)	1:A:55:ILE:HD11	1:A:50:LEU:HD11	4	1.14
(1,168)	1:A:55:ILE:HD11	1:A:50:LEU:HD12	4	1.14
(1,168)	1:A:55:ILE:HD11	1:A:50:LEU:HD13	4	1.14
(1,168)	1:A:55:ILE:HD12	1:A:50:LEU:HD11	4	1.14
(1,168)	1:A:55:ILE:HD12	1:A:50:LEU:HD12	4	1.14
(1,168)	1:A:55:ILE:HD12	1:A:50:LEU:HD13	4	1.14
(1,168)	1:A:55:ILE:HD13	1:A:50:LEU:HD11	4	1.14
(1,168)	1:A:55:ILE:HD13	1:A:50:LEU:HD12	4	1.14
(1,168)	1:A:55:ILE:HD13	1:A:50:LEU:HD13	4	1.14
(1,742)	1:A:79:LYS:HA	1:A:78:VAL:HG21	7	1.13
(1,742)	1:A:79:LYS:HA	1:A:78:VAL:HG22	7	1.13
(1,742)	1:A:79:LYS:HA	1:A:78:VAL:HG23	7	1.13
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD21	13	1.13
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD22	13	1.13
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD23	13	1.13
(1,280)	1:A:22:LEU:HD21	1:A:19:GLU:HA	13	1.13
(1,280)	1:A:22:LEU:HD22	1:A:19:GLU:HA	13	1.13
(1,280)	1:A:22:LEU:HD23	1:A:19:GLU:HA	13	1.13
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD11	8	1.13
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD12	8	1.13
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD13	8	1.13
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG11	9	1.13
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG12	9	1.13
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG13	9	1.13
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG11	9	1.13
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG12	9	1.13
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG13	9	1.13
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD21	12	1.13
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD22	12	1.13
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD23	12	1.13
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD21	20	1.13
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD22	20	1.13
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD23	20	1.13
(1,1846)	1:B:111:LEU:HD21	1:B:108:GLU:HA	12	1.13
(1,1846)	1:B:111:LEU:HD22	1:B:108:GLU:HA	12	1.13
(1,1846)	1:B:111:LEU:HD23	1:B:108:GLU:HA	12	1.13
(1,1846)	1:B:111:LEU:HD21	1:B:108:GLU:HA	20	1.13
(1,1846)	1:B:111:LEU:HD22	1:B:108:GLU:HA	20	1.13
(1,1846)	1:B:111:LEU:HD23	1:B:108:GLU:HA	20	1.13
(1,17)	1:A:49:VAL:H	1:A:49:VAL:HG21	11	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17)	1:A:49:VAL:H	1:A:49:VAL:HG22	11	1.13
(1,17)	1:A:49:VAL:H	1:A:49:VAL:HG23	11	1.13
(1,1170)	1:A:49:VAL:HG21	1:A:49:VAL:H	11	1.13
(1,1170)	1:A:49:VAL:HG22	1:A:49:VAL:H	11	1.13
(1,1170)	1:A:49:VAL:HG23	1:A:49:VAL:H	11	1.13
(1,82)	1:A:22:LEU:HD11	1:A:22:LEU:HA	8	1.12
(1,82)	1:A:22:LEU:HD12	1:A:22:LEU:HA	8	1.12
(1,82)	1:A:22:LEU:HD13	1:A:22:LEU:HA	8	1.12
(1,742)	1:A:79:LYS:HA	1:A:78:VAL:HG21	12	1.12
(1,742)	1:A:79:LYS:HA	1:A:78:VAL:HG22	12	1.12
(1,742)	1:A:79:LYS:HA	1:A:78:VAL:HG23	12	1.12
(1,742)	1:A:79:LYS:HA	1:A:78:VAL:HG21	17	1.12
(1,742)	1:A:79:LYS:HA	1:A:78:VAL:HG22	17	1.12
(1,742)	1:A:79:LYS:HA	1:A:78:VAL:HG23	17	1.12
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG11	8	1.12
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG12	8	1.12
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG13	8	1.12
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG11	10	1.12
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG12	10	1.12
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG13	10	1.12
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD21	4	1.12
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD22	4	1.12
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD23	4	1.12
(1,624)	1:A:22:LEU:HD21	1:A:70:LYS:HG2	7	1.12
(1,624)	1:A:22:LEU:HD21	1:A:70:LYS:HG3	7	1.12
(1,624)	1:A:22:LEU:HD22	1:A:70:LYS:HG2	7	1.12
(1,624)	1:A:22:LEU:HD22	1:A:70:LYS:HG3	7	1.12
(1,624)	1:A:22:LEU:HD23	1:A:70:LYS:HG2	7	1.12
(1,624)	1:A:22:LEU:HD23	1:A:70:LYS:HG3	7	1.12
(1,280)	1:A:22:LEU:HD21	1:A:19:GLU:HA	4	1.12
(1,280)	1:A:22:LEU:HD22	1:A:19:GLU:HA	4	1.12
(1,280)	1:A:22:LEU:HD23	1:A:19:GLU:HA	4	1.12
(1,2594)	1:B:111:LEU:HD21	1:B:159:LYS:HD2	20	1.12
(1,2594)	1:B:111:LEU:HD21	1:B:159:LYS:HD3	20	1.12
(1,2594)	1:B:111:LEU:HD22	1:B:159:LYS:HD2	20	1.12
(1,2594)	1:B:111:LEU:HD22	1:B:159:LYS:HD3	20	1.12
(1,2594)	1:B:111:LEU:HD23	1:B:159:LYS:HD2	20	1.12
(1,2594)	1:B:111:LEU:HD23	1:B:159:LYS:HD3	20	1.12
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG21	20	1.12
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG22	20	1.12
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG23	20	1.12
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG21	20	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG22	20	1.12
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG23	20	1.12
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG21	20	1.12
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG22	20	1.12
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG23	20	1.12
(1,2308)	1:B:168:LYS:HA	1:B:167:VAL:HG21	14	1.12
(1,2308)	1:B:168:LYS:HA	1:B:167:VAL:HG22	14	1.12
(1,2308)	1:B:168:LYS:HA	1:B:167:VAL:HG23	14	1.12
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD21	4	1.12
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD22	4	1.12
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD23	4	1.12
(1,1846)	1:B:111:LEU:HD21	1:B:108:GLU:HA	4	1.12
(1,1846)	1:B:111:LEU:HD22	1:B:108:GLU:HA	4	1.12
(1,1846)	1:B:111:LEU:HD23	1:B:108:GLU:HA	4	1.12
(1,1734)	1:B:144:ILE:HD11	1:B:139:LEU:HD11	2	1.12
(1,1734)	1:B:144:ILE:HD11	1:B:139:LEU:HD12	2	1.12
(1,1734)	1:B:144:ILE:HD11	1:B:139:LEU:HD13	2	1.12
(1,1734)	1:B:144:ILE:HD12	1:B:139:LEU:HD11	2	1.12
(1,1734)	1:B:144:ILE:HD12	1:B:139:LEU:HD12	2	1.12
(1,1734)	1:B:144:ILE:HD12	1:B:139:LEU:HD13	2	1.12
(1,1734)	1:B:144:ILE:HD13	1:B:139:LEU:HD11	2	1.12
(1,1734)	1:B:144:ILE:HD13	1:B:139:LEU:HD12	2	1.12
(1,1734)	1:B:144:ILE:HD13	1:B:139:LEU:HD13	2	1.12
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD11	8	1.12
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD12	8	1.12
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD13	8	1.12
(1,1040)	1:A:78:VAL:HG11	1:A:74:PHE:HA	12	1.12
(1,1040)	1:A:78:VAL:HG12	1:A:74:PHE:HA	12	1.12
(1,1040)	1:A:78:VAL:HG13	1:A:74:PHE:HA	12	1.12
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB1	19	1.11
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB2	19	1.11
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB3	19	1.11
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB1	19	1.11
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB2	19	1.11
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB3	19	1.11
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB1	19	1.11
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB2	19	1.11
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB3	19	1.11
(1,742)	1:A:79:LYS:HA	1:A:78:VAL:HG21	2	1.11
(1,742)	1:A:79:LYS:HA	1:A:78:VAL:HG22	2	1.11
(1,742)	1:A:79:LYS:HA	1:A:78:VAL:HG23	2	1.11
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD11	9	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD12	9	1.11
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD13	9	1.11
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG11	4	1.11
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG12	4	1.11
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG13	4	1.11
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG11	4	1.11
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG12	4	1.11
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG13	4	1.11
(1,2594)	1:B:111:LEU:HD21	1:B:159:LYS:HD2	1	1.11
(1,2594)	1:B:111:LEU:HD21	1:B:159:LYS:HD3	1	1.11
(1,2594)	1:B:111:LEU:HD22	1:B:159:LYS:HD2	1	1.11
(1,2594)	1:B:111:LEU:HD22	1:B:159:LYS:HD3	1	1.11
(1,2594)	1:B:111:LEU:HD23	1:B:159:LYS:HD2	1	1.11
(1,2594)	1:B:111:LEU:HD23	1:B:159:LYS:HD3	1	1.11
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB1	5	1.11
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB2	5	1.11
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB3	5	1.11
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB1	5	1.11
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB2	5	1.11
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB3	5	1.11
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB1	5	1.11
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB2	5	1.11
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB3	5	1.11
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB1	18	1.11
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB2	18	1.11
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB3	18	1.11
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB1	18	1.11
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB2	18	1.11
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB3	18	1.11
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB1	18	1.11
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB2	18	1.11
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB3	18	1.11
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG21	10	1.11
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG22	10	1.11
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG23	10	1.11
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG21	10	1.11
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG22	10	1.11
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG23	10	1.11
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG21	10	1.11
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG22	10	1.11
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG23	10	1.11
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG21	12	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG22	12	1.11
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG23	12	1.11
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG21	12	1.11
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG22	12	1.11
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG23	12	1.11
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG21	12	1.11
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG22	12	1.11
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG23	12	1.11
(1,1028)	1:A:22:LEU:HD21	1:A:70:LYS:HD2	12	1.11
(1,1028)	1:A:22:LEU:HD21	1:A:70:LYS:HD3	12	1.11
(1,1028)	1:A:22:LEU:HD22	1:A:70:LYS:HD2	12	1.11
(1,1028)	1:A:22:LEU:HD22	1:A:70:LYS:HD3	12	1.11
(1,1028)	1:A:22:LEU:HD23	1:A:70:LYS:HD2	12	1.11
(1,1028)	1:A:22:LEU:HD23	1:A:70:LYS:HD3	12	1.11
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG11	1	1.1
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG12	1	1.1
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG13	1	1.1
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG11	1	1.1
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG12	1	1.1
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG13	1	1.1
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG11	1	1.1
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG12	1	1.1
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG13	1	1.1
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG11	12	1.1
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG12	12	1.1
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG13	12	1.1
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG11	12	1.1
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG12	12	1.1
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG13	12	1.1
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG11	3	1.1
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG12	3	1.1
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG13	3	1.1
(1,2935)	1:B:102:VAL:HG21	1:B:125:ALA:H	2	1.1
(1,2935)	1:B:102:VAL:HG22	1:B:125:ALA:H	2	1.1
(1,2935)	1:B:102:VAL:HG23	1:B:125:ALA:H	2	1.1
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB1	12	1.1
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB2	12	1.1
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB3	12	1.1
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB1	12	1.1
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB2	12	1.1
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB3	12	1.1
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB1	12	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB2	12	1.1
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB3	12	1.1
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB1	13	1.1
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB2	13	1.1
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB3	13	1.1
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB1	13	1.1
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB2	13	1.1
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB3	13	1.1
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB1	13	1.1
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB2	13	1.1
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB3	13	1.1
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG21	16	1.1
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG22	16	1.1
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG23	16	1.1
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG21	16	1.1
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG22	16	1.1
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG23	16	1.1
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG21	16	1.1
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG22	16	1.1
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG23	16	1.1
(1,2317)	1:B:125:ALA:H	1:B:102:VAL:HG21	2	1.1
(1,2317)	1:B:125:ALA:H	1:B:102:VAL:HG22	2	1.1
(1,2317)	1:B:125:ALA:H	1:B:102:VAL:HG23	2	1.1
(1,2308)	1:B:168:LYS:HA	1:B:167:VAL:HG21	3	1.1
(1,2308)	1:B:168:LYS:HA	1:B:167:VAL:HG22	3	1.1
(1,2308)	1:B:168:LYS:HA	1:B:167:VAL:HG23	3	1.1
(1,2308)	1:B:168:LYS:HA	1:B:167:VAL:HG21	10	1.1
(1,2308)	1:B:168:LYS:HA	1:B:167:VAL:HG22	10	1.1
(1,2308)	1:B:168:LYS:HA	1:B:167:VAL:HG23	10	1.1
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG11	14	1.1
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG12	14	1.1
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG13	14	1.1
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG11	14	1.1
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG12	14	1.1
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG13	14	1.1
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG11	14	1.1
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG12	14	1.1
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG13	14	1.1
(1,2245)	1:B:102:VAL:HG21	1:B:167:VAL:HG11	7	1.1
(1,2245)	1:B:102:VAL:HG21	1:B:167:VAL:HG12	7	1.1
(1,2245)	1:B:102:VAL:HG21	1:B:167:VAL:HG13	7	1.1
(1,2245)	1:B:102:VAL:HG22	1:B:167:VAL:HG11	7	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2245)	1:B:102:VAL:HG22	1:B:167:VAL:HG12	7	1.1
(1,2245)	1:B:102:VAL:HG22	1:B:167:VAL:HG13	7	1.1
(1,2245)	1:B:102:VAL:HG23	1:B:167:VAL:HG11	7	1.1
(1,2245)	1:B:102:VAL:HG23	1:B:167:VAL:HG12	7	1.1
(1,2245)	1:B:102:VAL:HG23	1:B:167:VAL:HG13	7	1.1
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG11	20	1.1
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG12	20	1.1
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG13	20	1.1
(1,1974)	1:B:111:LEU:HD21	1:B:159:LYS:HE2	15	1.1
(1,1974)	1:B:111:LEU:HD21	1:B:159:LYS:HE3	15	1.1
(1,1974)	1:B:111:LEU:HD22	1:B:159:LYS:HE2	15	1.1
(1,1974)	1:B:111:LEU:HD22	1:B:159:LYS:HE3	15	1.1
(1,1974)	1:B:111:LEU:HD23	1:B:159:LYS:HE2	15	1.1
(1,1974)	1:B:111:LEU:HD23	1:B:159:LYS:HE3	15	1.1
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD11	1	1.1
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD12	1	1.1
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD13	1	1.1
(1,1648)	1:B:111:LEU:HD11	1:B:111:LEU:HA	1	1.1
(1,1648)	1:B:111:LEU:HD12	1:B:111:LEU:HA	1	1.1
(1,1648)	1:B:111:LEU:HD13	1:B:111:LEU:HA	1	1.1
(1,82)	1:A:22:LEU:HD11	1:A:22:LEU:HA	6	1.09
(1,82)	1:A:22:LEU:HD12	1:A:22:LEU:HA	6	1.09
(1,82)	1:A:22:LEU:HD13	1:A:22:LEU:HA	6	1.09
(1,82)	1:A:22:LEU:HD11	1:A:22:LEU:HA	13	1.09
(1,82)	1:A:22:LEU:HD12	1:A:22:LEU:HA	13	1.09
(1,82)	1:A:22:LEU:HD13	1:A:22:LEU:HA	13	1.09
(1,82)	1:A:22:LEU:HD11	1:A:22:LEU:HA	16	1.09
(1,82)	1:A:22:LEU:HD12	1:A:22:LEU:HA	16	1.09
(1,82)	1:A:22:LEU:HD13	1:A:22:LEU:HA	16	1.09
(1,2589)	1:B:111:LEU:HD21	1:B:159:LYS:HB2	14	1.09
(1,2589)	1:B:111:LEU:HD21	1:B:159:LYS:HB3	14	1.09
(1,2589)	1:B:111:LEU:HD22	1:B:159:LYS:HB2	14	1.09
(1,2589)	1:B:111:LEU:HD22	1:B:159:LYS:HB3	14	1.09
(1,2589)	1:B:111:LEU:HD23	1:B:159:LYS:HB2	14	1.09
(1,2589)	1:B:111:LEU:HD23	1:B:159:LYS:HB3	14	1.09
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG21	6	1.09
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG22	6	1.09
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG23	6	1.09
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG21	6	1.09
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG22	6	1.09
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG23	6	1.09
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG21	6	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG22	6	1.09
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG23	6	1.09
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG21	19	1.09
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG22	19	1.09
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG23	19	1.09
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG21	19	1.09
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG22	19	1.09
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG23	19	1.09
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG21	19	1.09
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG22	19	1.09
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG23	19	1.09
(1,2308)	1:B:168:LYS:HA	1:B:167:VAL:HG21	18	1.09
(1,2308)	1:B:168:LYS:HA	1:B:167:VAL:HG22	18	1.09
(1,2308)	1:B:168:LYS:HA	1:B:167:VAL:HG23	18	1.09
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG11	6	1.09
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG12	6	1.09
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG13	6	1.09
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG11	6	1.09
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG12	6	1.09
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG13	6	1.09
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG11	6	1.09
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG12	6	1.09
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG13	6	1.09
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD21	13	1.09
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD22	13	1.09
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD23	13	1.09
(1,1846)	1:B:111:LEU:HD21	1:B:108:GLU:HA	13	1.09
(1,1846)	1:B:111:LEU:HD22	1:B:108:GLU:HA	13	1.09
(1,1846)	1:B:111:LEU:HD23	1:B:108:GLU:HA	13	1.09
(1,1813)	1:B:111:LEU:HD21	1:B:159:LYS:HA	19	1.09
(1,1813)	1:B:111:LEU:HD22	1:B:159:LYS:HA	19	1.09
(1,1813)	1:B:111:LEU:HD23	1:B:159:LYS:HA	19	1.09
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD11	12	1.09
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD12	12	1.09
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD13	12	1.09
(1,1648)	1:B:111:LEU:HD11	1:B:111:LEU:HA	12	1.09
(1,1648)	1:B:111:LEU:HD12	1:B:111:LEU:HA	12	1.09
(1,1648)	1:B:111:LEU:HD13	1:B:111:LEU:HA	12	1.09
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD11	6	1.09
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD12	6	1.09
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD13	6	1.09
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD11	13	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD12	13	1.09
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD13	13	1.09
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD11	16	1.09
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD12	16	1.09
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD13	16	1.09
(1,82)	1:A:22:LEU:HD11	1:A:22:LEU:HA	7	1.08
(1,82)	1:A:22:LEU:HD12	1:A:22:LEU:HA	7	1.08
(1,82)	1:A:22:LEU:HD13	1:A:22:LEU:HA	7	1.08
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB1	14	1.08
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB2	14	1.08
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB3	14	1.08
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB1	14	1.08
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB2	14	1.08
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB3	14	1.08
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB1	14	1.08
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB2	14	1.08
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB3	14	1.08
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG21	12	1.08
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG22	12	1.08
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG23	12	1.08
(1,742)	1:A:79:LYS:HA	1:A:78:VAL:HG21	9	1.08
(1,742)	1:A:79:LYS:HA	1:A:78:VAL:HG22	9	1.08
(1,742)	1:A:79:LYS:HA	1:A:78:VAL:HG23	9	1.08
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD21	17	1.08
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD22	17	1.08
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD23	17	1.08
(1,2849)	1:B:167:VAL:HG11	1:B:167:VAL:H	6	1.08
(1,2849)	1:B:167:VAL:HG12	1:B:167:VAL:H	6	1.08
(1,2849)	1:B:167:VAL:HG13	1:B:167:VAL:H	6	1.08
(1,280)	1:A:22:LEU:HD21	1:A:19:GLU:HA	17	1.08
(1,280)	1:A:22:LEU:HD22	1:A:19:GLU:HA	17	1.08
(1,280)	1:A:22:LEU:HD23	1:A:19:GLU:HA	17	1.08
(1,2622)	1:B:167:VAL:HG21	1:B:171:TRP:HB2	2	1.08
(1,2622)	1:B:167:VAL:HG21	1:B:171:TRP:HB3	2	1.08
(1,2622)	1:B:167:VAL:HG22	1:B:171:TRP:HB2	2	1.08
(1,2622)	1:B:167:VAL:HG22	1:B:171:TRP:HB3	2	1.08
(1,2622)	1:B:167:VAL:HG23	1:B:171:TRP:HB2	2	1.08
(1,2622)	1:B:167:VAL:HG23	1:B:171:TRP:HB3	2	1.08
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB1	20	1.08
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB2	20	1.08
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB3	20	1.08
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB1	20	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB2	20	1.08
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB3	20	1.08
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB1	20	1.08
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB2	20	1.08
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB3	20	1.08
(1,2308)	1:B:168:LYS:HA	1:B:167:VAL:HG21	9	1.08
(1,2308)	1:B:168:LYS:HA	1:B:167:VAL:HG22	9	1.08
(1,2308)	1:B:168:LYS:HA	1:B:167:VAL:HG23	9	1.08
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG11	7	1.08
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG12	7	1.08
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG13	7	1.08
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG11	7	1.08
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG12	7	1.08
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG13	7	1.08
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG11	7	1.08
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG12	7	1.08
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG13	7	1.08
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD21	17	1.08
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD22	17	1.08
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD23	17	1.08
(1,1846)	1:B:111:LEU:HD21	1:B:108:GLU:HA	17	1.08
(1,1846)	1:B:111:LEU:HD22	1:B:108:GLU:HA	17	1.08
(1,1846)	1:B:111:LEU:HD23	1:B:108:GLU:HA	17	1.08
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD11	13	1.08
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD12	13	1.08
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD13	13	1.08
(1,1648)	1:B:111:LEU:HD11	1:B:111:LEU:HA	13	1.08
(1,1648)	1:B:111:LEU:HD12	1:B:111:LEU:HA	13	1.08
(1,1648)	1:B:111:LEU:HD13	1:B:111:LEU:HA	13	1.08
(1,1577)	1:B:167:VAL:H	1:B:167:VAL:HG11	6	1.08
(1,1577)	1:B:167:VAL:H	1:B:167:VAL:HG12	6	1.08
(1,1577)	1:B:167:VAL:H	1:B:167:VAL:HG13	6	1.08
(1,1387)	1:A:78:VAL:HG21	1:A:37:GLU:H	12	1.08
(1,1387)	1:A:78:VAL:HG22	1:A:37:GLU:H	12	1.08
(1,1387)	1:A:78:VAL:HG23	1:A:37:GLU:H	12	1.08
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD11	7	1.08
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD12	7	1.08
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD13	7	1.08
(1,994)	1:A:85:ILE:HD11	1:A:58:VAL:HG21	3	1.07
(1,994)	1:A:85:ILE:HD11	1:A:58:VAL:HG22	3	1.07
(1,994)	1:A:85:ILE:HD11	1:A:58:VAL:HG23	3	1.07
(1,994)	1:A:85:ILE:HD12	1:A:58:VAL:HG21	3	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,994)	1:A:85:ILE:HD12	1:A:58:VAL:HG22	3	1.07
(1,994)	1:A:85:ILE:HD12	1:A:58:VAL:HG23	3	1.07
(1,994)	1:A:85:ILE:HD13	1:A:58:VAL:HG21	3	1.07
(1,994)	1:A:85:ILE:HD13	1:A:58:VAL:HG22	3	1.07
(1,994)	1:A:85:ILE:HD13	1:A:58:VAL:HG23	3	1.07
(1,994)	1:A:85:ILE:HD11	1:A:58:VAL:HG21	13	1.07
(1,994)	1:A:85:ILE:HD11	1:A:58:VAL:HG22	13	1.07
(1,994)	1:A:85:ILE:HD11	1:A:58:VAL:HG23	13	1.07
(1,994)	1:A:85:ILE:HD12	1:A:58:VAL:HG21	13	1.07
(1,994)	1:A:85:ILE:HD12	1:A:58:VAL:HG22	13	1.07
(1,994)	1:A:85:ILE:HD12	1:A:58:VAL:HG23	13	1.07
(1,994)	1:A:85:ILE:HD13	1:A:58:VAL:HG21	13	1.07
(1,994)	1:A:85:ILE:HD13	1:A:58:VAL:HG22	13	1.07
(1,994)	1:A:85:ILE:HD13	1:A:58:VAL:HG23	13	1.07
(1,82)	1:A:22:LEU:HD11	1:A:22:LEU:HA	1	1.07
(1,82)	1:A:22:LEU:HD12	1:A:22:LEU:HA	1	1.07
(1,82)	1:A:22:LEU:HD13	1:A:22:LEU:HA	1	1.07
(1,82)	1:A:22:LEU:HD11	1:A:22:LEU:HA	9	1.07
(1,82)	1:A:22:LEU:HD12	1:A:22:LEU:HA	9	1.07
(1,82)	1:A:22:LEU:HD13	1:A:22:LEU:HA	9	1.07
(1,82)	1:A:22:LEU:HD11	1:A:22:LEU:HA	10	1.07
(1,82)	1:A:22:LEU:HD12	1:A:22:LEU:HA	10	1.07
(1,82)	1:A:22:LEU:HD13	1:A:22:LEU:HA	10	1.07
(1,82)	1:A:22:LEU:HD11	1:A:22:LEU:HA	12	1.07
(1,82)	1:A:22:LEU:HD12	1:A:22:LEU:HA	12	1.07
(1,82)	1:A:22:LEU:HD13	1:A:22:LEU:HA	12	1.07
(1,82)	1:A:22:LEU:HD11	1:A:22:LEU:HA	17	1.07
(1,82)	1:A:22:LEU:HD12	1:A:22:LEU:HA	17	1.07
(1,82)	1:A:22:LEU:HD13	1:A:22:LEU:HA	17	1.07
(1,742)	1:A:79:LYS:HA	1:A:78:VAL:HG21	4	1.07
(1,742)	1:A:79:LYS:HA	1:A:78:VAL:HG22	4	1.07
(1,742)	1:A:79:LYS:HA	1:A:78:VAL:HG23	4	1.07
(1,728)	1:A:37:GLU:HG2	1:A:33:VAL:HG21	11	1.07
(1,728)	1:A:37:GLU:HG2	1:A:33:VAL:HG22	11	1.07
(1,728)	1:A:37:GLU:HG2	1:A:33:VAL:HG23	11	1.07
(1,728)	1:A:37:GLU:HG3	1:A:33:VAL:HG21	11	1.07
(1,728)	1:A:37:GLU:HG3	1:A:33:VAL:HG22	11	1.07
(1,728)	1:A:37:GLU:HG3	1:A:33:VAL:HG23	11	1.07
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD21	12	1.07
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD22	12	1.07
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD23	12	1.07
(1,2849)	1:B:167:VAL:HG11	1:B:167:VAL:H	7	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2849)	1:B:167:VAL:HG12	1:B:167:VAL:H	7	1.07
(1,2849)	1:B:167:VAL:HG13	1:B:167:VAL:H	7	1.07
(1,284)	1:A:63:VAL:HG21	1:A:64:GLN:HA	20	1.07
(1,284)	1:A:63:VAL:HG22	1:A:64:GLN:HA	20	1.07
(1,284)	1:A:63:VAL:HG23	1:A:64:GLN:HA	20	1.07
(1,280)	1:A:22:LEU:HD21	1:A:19:GLU:HA	12	1.07
(1,280)	1:A:22:LEU:HD22	1:A:19:GLU:HA	12	1.07
(1,280)	1:A:22:LEU:HD23	1:A:19:GLU:HA	12	1.07
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG21	17	1.07
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG22	17	1.07
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG23	17	1.07
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG21	17	1.07
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG22	17	1.07
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG23	17	1.07
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG21	17	1.07
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG22	17	1.07
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG23	17	1.07
(1,2308)	1:B:168:LYS:HA	1:B:167:VAL:HG21	7	1.07
(1,2308)	1:B:168:LYS:HA	1:B:167:VAL:HG22	7	1.07
(1,2308)	1:B:168:LYS:HA	1:B:167:VAL:HG23	7	1.07
(1,2308)	1:B:168:LYS:HA	1:B:167:VAL:HG21	16	1.07
(1,2308)	1:B:168:LYS:HA	1:B:167:VAL:HG22	16	1.07
(1,2308)	1:B:168:LYS:HA	1:B:167:VAL:HG23	16	1.07
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG11	14	1.07
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG12	14	1.07
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG13	14	1.07
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG11	14	1.07
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG12	14	1.07
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG13	14	1.07
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD21	15	1.07
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD22	15	1.07
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD23	15	1.07
(1,1846)	1:B:111:LEU:HD21	1:B:108:GLU:HA	15	1.07
(1,1846)	1:B:111:LEU:HD22	1:B:108:GLU:HA	15	1.07
(1,1846)	1:B:111:LEU:HD23	1:B:108:GLU:HA	15	1.07
(1,168)	1:A:55:ILE:HD11	1:A:50:LEU:HD11	13	1.07
(1,168)	1:A:55:ILE:HD11	1:A:50:LEU:HD12	13	1.07
(1,168)	1:A:55:ILE:HD11	1:A:50:LEU:HD13	13	1.07
(1,168)	1:A:55:ILE:HD12	1:A:50:LEU:HD11	13	1.07
(1,168)	1:A:55:ILE:HD12	1:A:50:LEU:HD12	13	1.07
(1,168)	1:A:55:ILE:HD12	1:A:50:LEU:HD13	13	1.07
(1,168)	1:A:55:ILE:HD13	1:A:50:LEU:HD11	13	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,168)	1:A:55:ILE:HD13	1:A:50:LEU:HD12	13	1.07
(1,168)	1:A:55:ILE:HD13	1:A:50:LEU:HD13	13	1.07
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD11	8	1.07
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD12	8	1.07
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD13	8	1.07
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD11	11	1.07
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD12	11	1.07
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD13	11	1.07
(1,1648)	1:B:111:LEU:HD11	1:B:111:LEU:HA	8	1.07
(1,1648)	1:B:111:LEU:HD12	1:B:111:LEU:HA	8	1.07
(1,1648)	1:B:111:LEU:HD13	1:B:111:LEU:HA	8	1.07
(1,1648)	1:B:111:LEU:HD11	1:B:111:LEU:HA	11	1.07
(1,1648)	1:B:111:LEU:HD12	1:B:111:LEU:HA	11	1.07
(1,1648)	1:B:111:LEU:HD13	1:B:111:LEU:HA	11	1.07
(1,1577)	1:B:167:VAL:H	1:B:167:VAL:HG11	7	1.07
(1,1577)	1:B:167:VAL:H	1:B:167:VAL:HG12	7	1.07
(1,1577)	1:B:167:VAL:H	1:B:167:VAL:HG13	7	1.07
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD11	1	1.07
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD12	1	1.07
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD13	1	1.07
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD11	9	1.07
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD12	9	1.07
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD13	9	1.07
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD11	10	1.07
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD12	10	1.07
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD13	10	1.07
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD11	12	1.07
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD12	12	1.07
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD13	12	1.07
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD11	17	1.07
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD12	17	1.07
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD13	17	1.07
(1,82)	1:A:22:LEU:HD11	1:A:22:LEU:HA	2	1.06
(1,82)	1:A:22:LEU:HD12	1:A:22:LEU:HA	2	1.06
(1,82)	1:A:22:LEU:HD13	1:A:22:LEU:HA	2	1.06
(1,82)	1:A:22:LEU:HD11	1:A:22:LEU:HA	3	1.06
(1,82)	1:A:22:LEU:HD12	1:A:22:LEU:HA	3	1.06
(1,82)	1:A:22:LEU:HD13	1:A:22:LEU:HA	3	1.06
(1,82)	1:A:22:LEU:HD11	1:A:22:LEU:HA	5	1.06
(1,82)	1:A:22:LEU:HD12	1:A:22:LEU:HA	5	1.06
(1,82)	1:A:22:LEU:HD13	1:A:22:LEU:HA	5	1.06
(1,82)	1:A:22:LEU:HD11	1:A:22:LEU:HA	15	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,82)	1:A:22:LEU:HD12	1:A:22:LEU:HA	15	1.06
(1,82)	1:A:22:LEU:HD13	1:A:22:LEU:HA	15	1.06
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG21	20	1.06
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG22	20	1.06
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG23	20	1.06
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG11	14	1.06
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG12	14	1.06
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG13	14	1.06
(1,2849)	1:B:167:VAL:HG11	1:B:167:VAL:H	9	1.06
(1,2849)	1:B:167:VAL:HG12	1:B:167:VAL:H	9	1.06
(1,2849)	1:B:167:VAL:HG13	1:B:167:VAL:H	9	1.06
(1,2849)	1:B:167:VAL:HG11	1:B:167:VAL:H	10	1.06
(1,2849)	1:B:167:VAL:HG12	1:B:167:VAL:H	10	1.06
(1,2849)	1:B:167:VAL:HG13	1:B:167:VAL:H	10	1.06
(1,2849)	1:B:167:VAL:HG11	1:B:167:VAL:H	16	1.06
(1,2849)	1:B:167:VAL:HG12	1:B:167:VAL:H	16	1.06
(1,2849)	1:B:167:VAL:HG13	1:B:167:VAL:H	16	1.06
(1,2849)	1:B:167:VAL:HG11	1:B:167:VAL:H	18	1.06
(1,2849)	1:B:167:VAL:HG12	1:B:167:VAL:H	18	1.06
(1,2849)	1:B:167:VAL:HG13	1:B:167:VAL:H	18	1.06
(1,2659)	1:B:124:PHE:HB2	1:B:102:VAL:HG21	2	1.06
(1,2659)	1:B:124:PHE:HB2	1:B:102:VAL:HG22	2	1.06
(1,2659)	1:B:124:PHE:HB2	1:B:102:VAL:HG23	2	1.06
(1,2659)	1:B:124:PHE:HB3	1:B:102:VAL:HG21	2	1.06
(1,2659)	1:B:124:PHE:HB3	1:B:102:VAL:HG22	2	1.06
(1,2659)	1:B:124:PHE:HB3	1:B:102:VAL:HG23	2	1.06
(1,2308)	1:B:168:LYS:HA	1:B:167:VAL:HG21	19	1.06
(1,2308)	1:B:168:LYS:HA	1:B:167:VAL:HG22	19	1.06
(1,2308)	1:B:168:LYS:HA	1:B:167:VAL:HG23	19	1.06
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG11	16	1.06
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG12	16	1.06
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG13	16	1.06
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG11	16	1.06
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG12	16	1.06
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG13	16	1.06
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG11	12	1.06
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG12	12	1.06
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG13	12	1.06
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG11	12	1.06
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG12	12	1.06
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG13	12	1.06
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG11	12	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG12	12	1.06
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG13	12	1.06
(1,171)	1:A:33:VAL:HG21	1:A:58:VAL:HB	20	1.06
(1,171)	1:A:33:VAL:HG22	1:A:58:VAL:HB	20	1.06
(1,171)	1:A:33:VAL:HG23	1:A:58:VAL:HB	20	1.06
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD11	9	1.06
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD12	9	1.06
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD13	9	1.06
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD11	15	1.06
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD12	15	1.06
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD13	15	1.06
(1,1648)	1:B:111:LEU:HD11	1:B:111:LEU:HA	9	1.06
(1,1648)	1:B:111:LEU:HD12	1:B:111:LEU:HA	9	1.06
(1,1648)	1:B:111:LEU:HD13	1:B:111:LEU:HA	9	1.06
(1,1648)	1:B:111:LEU:HD11	1:B:111:LEU:HA	15	1.06
(1,1648)	1:B:111:LEU:HD12	1:B:111:LEU:HA	15	1.06
(1,1648)	1:B:111:LEU:HD13	1:B:111:LEU:HA	15	1.06
(1,1577)	1:B:167:VAL:H	1:B:167:VAL:HG11	9	1.06
(1,1577)	1:B:167:VAL:H	1:B:167:VAL:HG12	9	1.06
(1,1577)	1:B:167:VAL:H	1:B:167:VAL:HG13	9	1.06
(1,1577)	1:B:167:VAL:H	1:B:167:VAL:HG11	10	1.06
(1,1577)	1:B:167:VAL:H	1:B:167:VAL:HG12	10	1.06
(1,1577)	1:B:167:VAL:H	1:B:167:VAL:HG13	10	1.06
(1,1577)	1:B:167:VAL:H	1:B:167:VAL:HG11	16	1.06
(1,1577)	1:B:167:VAL:H	1:B:167:VAL:HG12	16	1.06
(1,1577)	1:B:167:VAL:H	1:B:167:VAL:HG13	16	1.06
(1,1577)	1:B:167:VAL:H	1:B:167:VAL:HG11	18	1.06
(1,1577)	1:B:167:VAL:H	1:B:167:VAL:HG12	18	1.06
(1,1577)	1:B:167:VAL:H	1:B:167:VAL:HG13	18	1.06
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD11	2	1.06
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD12	2	1.06
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD13	2	1.06
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD11	3	1.06
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD12	3	1.06
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD13	3	1.06
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD11	5	1.06
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD12	5	1.06
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD13	5	1.06
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD11	15	1.06
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD12	15	1.06
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD13	15	1.06
(1,1040)	1:A:78:VAL:HG11	1:A:74:PHE:HA	11	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1040)	1:A:78:VAL:HG12	1:A:74:PHE:HA	11	1.06
(1,1040)	1:A:78:VAL:HG13	1:A:74:PHE:HA	11	1.06
(1,994)	1:A:85:ILE:HD11	1:A:58:VAL:HG21	15	1.05
(1,994)	1:A:85:ILE:HD11	1:A:58:VAL:HG22	15	1.05
(1,994)	1:A:85:ILE:HD11	1:A:58:VAL:HG23	15	1.05
(1,994)	1:A:85:ILE:HD12	1:A:58:VAL:HG21	15	1.05
(1,994)	1:A:85:ILE:HD12	1:A:58:VAL:HG22	15	1.05
(1,994)	1:A:85:ILE:HD12	1:A:58:VAL:HG23	15	1.05
(1,994)	1:A:85:ILE:HD13	1:A:58:VAL:HG21	15	1.05
(1,994)	1:A:85:ILE:HD13	1:A:58:VAL:HG22	15	1.05
(1,994)	1:A:85:ILE:HD13	1:A:58:VAL:HG23	15	1.05
(1,82)	1:A:22:LEU:HD11	1:A:22:LEU:HA	14	1.05
(1,82)	1:A:22:LEU:HD12	1:A:22:LEU:HA	14	1.05
(1,82)	1:A:22:LEU:HD13	1:A:22:LEU:HA	14	1.05
(1,82)	1:A:22:LEU:HD11	1:A:22:LEU:HA	18	1.05
(1,82)	1:A:22:LEU:HD12	1:A:22:LEU:HA	18	1.05
(1,82)	1:A:22:LEU:HD13	1:A:22:LEU:HA	18	1.05
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG21	12	1.05
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG22	12	1.05
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG23	12	1.05
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG21	12	1.05
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG22	12	1.05
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG23	12	1.05
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG21	12	1.05
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG22	12	1.05
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG23	12	1.05
(1,731)	1:A:55:ILE:HD11	1:A:33:VAL:HG21	3	1.05
(1,731)	1:A:55:ILE:HD11	1:A:33:VAL:HG22	3	1.05
(1,731)	1:A:55:ILE:HD11	1:A:33:VAL:HG23	3	1.05
(1,731)	1:A:55:ILE:HD12	1:A:33:VAL:HG21	3	1.05
(1,731)	1:A:55:ILE:HD12	1:A:33:VAL:HG22	3	1.05
(1,731)	1:A:55:ILE:HD12	1:A:33:VAL:HG23	3	1.05
(1,731)	1:A:55:ILE:HD13	1:A:33:VAL:HG21	3	1.05
(1,731)	1:A:55:ILE:HD13	1:A:33:VAL:HG22	3	1.05
(1,731)	1:A:55:ILE:HD13	1:A:33:VAL:HG23	3	1.05
(1,624)	1:A:22:LEU:HD21	1:A:70:LYS:HG2	3	1.05
(1,624)	1:A:22:LEU:HD21	1:A:70:LYS:HG3	3	1.05
(1,624)	1:A:22:LEU:HD22	1:A:70:LYS:HG2	3	1.05
(1,624)	1:A:22:LEU:HD22	1:A:70:LYS:HG3	3	1.05
(1,624)	1:A:22:LEU:HD23	1:A:70:LYS:HG2	3	1.05
(1,624)	1:A:22:LEU:HD23	1:A:70:LYS:HG3	3	1.05
(1,2849)	1:B:167:VAL:HG11	1:B:167:VAL:H	20	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2849)	1:B:167:VAL:HG12	1:B:167:VAL:H	20	1.05
(1,2849)	1:B:167:VAL:HG13	1:B:167:VAL:H	20	1.05
(1,2606)	1:B:167:VAL:HG11	1:B:163:PHE:HA	3	1.05
(1,2606)	1:B:167:VAL:HG12	1:B:163:PHE:HA	3	1.05
(1,2606)	1:B:167:VAL:HG13	1:B:163:PHE:HA	3	1.05
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB1	16	1.05
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB2	16	1.05
(1,2357)	1:B:128:LEU:HD11	1:B:127:ALA:HB3	16	1.05
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB1	16	1.05
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB2	16	1.05
(1,2357)	1:B:128:LEU:HD12	1:B:127:ALA:HB3	16	1.05
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB1	16	1.05
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB2	16	1.05
(1,2357)	1:B:128:LEU:HD13	1:B:127:ALA:HB3	16	1.05
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG21	8	1.05
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG22	8	1.05
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG23	8	1.05
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG21	8	1.05
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG22	8	1.05
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG23	8	1.05
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG21	8	1.05
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG22	8	1.05
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG23	8	1.05
(1,2308)	1:B:168:LYS:HA	1:B:167:VAL:HG21	6	1.05
(1,2308)	1:B:168:LYS:HA	1:B:167:VAL:HG22	6	1.05
(1,2308)	1:B:168:LYS:HA	1:B:167:VAL:HG23	6	1.05
(1,2308)	1:B:168:LYS:HA	1:B:167:VAL:HG21	20	1.05
(1,2308)	1:B:168:LYS:HA	1:B:167:VAL:HG22	20	1.05
(1,2308)	1:B:168:LYS:HA	1:B:167:VAL:HG23	20	1.05
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD11	2	1.05
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD12	2	1.05
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD13	2	1.05
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD11	2	1.05
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD12	2	1.05
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD13	2	1.05
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD11	2	1.05
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD12	2	1.05
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD13	2	1.05
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD11	2	1.05
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD12	2	1.05
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD13	2	1.05
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD11	4	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD12	4	1.05
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD13	4	1.05
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD11	14	1.05
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD12	14	1.05
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD13	14	1.05
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD11	17	1.05
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD12	17	1.05
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD13	17	1.05
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD11	19	1.05
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD12	19	1.05
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD13	19	1.05
(1,1648)	1:B:111:LEU:HD11	1:B:111:LEU:HA	2	1.05
(1,1648)	1:B:111:LEU:HD12	1:B:111:LEU:HA	2	1.05
(1,1648)	1:B:111:LEU:HD13	1:B:111:LEU:HA	2	1.05
(1,1648)	1:B:111:LEU:HD11	1:B:111:LEU:HA	4	1.05
(1,1648)	1:B:111:LEU:HD12	1:B:111:LEU:HA	4	1.05
(1,1648)	1:B:111:LEU:HD13	1:B:111:LEU:HA	4	1.05
(1,1648)	1:B:111:LEU:HD11	1:B:111:LEU:HA	14	1.05
(1,1648)	1:B:111:LEU:HD12	1:B:111:LEU:HA	14	1.05
(1,1648)	1:B:111:LEU:HD13	1:B:111:LEU:HA	14	1.05
(1,1648)	1:B:111:LEU:HD11	1:B:111:LEU:HA	17	1.05
(1,1648)	1:B:111:LEU:HD12	1:B:111:LEU:HA	17	1.05
(1,1648)	1:B:111:LEU:HD13	1:B:111:LEU:HA	17	1.05
(1,1648)	1:B:111:LEU:HD11	1:B:111:LEU:HA	19	1.05
(1,1648)	1:B:111:LEU:HD12	1:B:111:LEU:HA	19	1.05
(1,1648)	1:B:111:LEU:HD13	1:B:111:LEU:HA	19	1.05
(1,1577)	1:B:167:VAL:H	1:B:167:VAL:HG11	20	1.05
(1,1577)	1:B:167:VAL:H	1:B:167:VAL:HG12	20	1.05
(1,1577)	1:B:167:VAL:H	1:B:167:VAL:HG13	20	1.05
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD11	14	1.05
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD12	14	1.05
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD13	14	1.05
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD11	18	1.05
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD12	18	1.05
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD13	18	1.05
(1,82)	1:A:22:LEU:HD11	1:A:22:LEU:HA	4	1.04
(1,82)	1:A:22:LEU:HD12	1:A:22:LEU:HA	4	1.04
(1,82)	1:A:22:LEU:HD13	1:A:22:LEU:HA	4	1.04
(1,2953)	1:B:167:VAL:HG21	1:B:126:GLU:H	2	1.04
(1,2953)	1:B:167:VAL:HG22	1:B:126:GLU:H	2	1.04
(1,2953)	1:B:167:VAL:HG23	1:B:126:GLU:H	2	1.04
(1,2849)	1:B:167:VAL:HG11	1:B:167:VAL:H	11	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2849)	1:B:167:VAL:HG12	1:B:167:VAL:H	11	1.04
(1,2849)	1:B:167:VAL:HG13	1:B:167:VAL:H	11	1.04
(1,2849)	1:B:167:VAL:HG11	1:B:167:VAL:H	19	1.04
(1,2849)	1:B:167:VAL:HG12	1:B:167:VAL:H	19	1.04
(1,2849)	1:B:167:VAL:HG13	1:B:167:VAL:H	19	1.04
(1,2606)	1:B:167:VAL:HG11	1:B:163:PHE:HA	19	1.04
(1,2606)	1:B:167:VAL:HG12	1:B:163:PHE:HA	19	1.04
(1,2606)	1:B:167:VAL:HG13	1:B:163:PHE:HA	19	1.04
(1,247)	1:A:22:LEU:HD21	1:A:70:LYS:HA	10	1.04
(1,247)	1:A:22:LEU:HD22	1:A:70:LYS:HA	10	1.04
(1,247)	1:A:22:LEU:HD23	1:A:70:LYS:HA	10	1.04
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG21	2	1.04
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG22	2	1.04
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG23	2	1.04
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG11	6	1.04
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG12	6	1.04
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG13	6	1.04
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG11	6	1.04
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG12	6	1.04
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG13	6	1.04
(1,1850)	1:B:152:VAL:HG21	1:B:153:GLN:HA	1	1.04
(1,1850)	1:B:152:VAL:HG22	1:B:153:GLN:HA	1	1.04
(1,1850)	1:B:152:VAL:HG23	1:B:153:GLN:HA	1	1.04
(1,1850)	1:B:152:VAL:HG21	1:B:153:GLN:HA	14	1.04
(1,1850)	1:B:152:VAL:HG22	1:B:153:GLN:HA	14	1.04
(1,1850)	1:B:152:VAL:HG23	1:B:153:GLN:HA	14	1.04
(1,1850)	1:B:152:VAL:HG21	1:B:153:GLN:HA	16	1.04
(1,1850)	1:B:152:VAL:HG22	1:B:153:GLN:HA	16	1.04
(1,1850)	1:B:152:VAL:HG23	1:B:153:GLN:HA	16	1.04
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD11	10	1.04
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD12	10	1.04
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD13	10	1.04
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD11	20	1.04
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD12	20	1.04
(1,1677)	1:B:111:LEU:HA	1:B:111:LEU:HD13	20	1.04
(1,1648)	1:B:111:LEU:HD11	1:B:111:LEU:HA	10	1.04
(1,1648)	1:B:111:LEU:HD12	1:B:111:LEU:HA	10	1.04
(1,1648)	1:B:111:LEU:HD13	1:B:111:LEU:HA	10	1.04
(1,1648)	1:B:111:LEU:HD11	1:B:111:LEU:HA	20	1.04
(1,1648)	1:B:111:LEU:HD12	1:B:111:LEU:HA	20	1.04
(1,1648)	1:B:111:LEU:HD13	1:B:111:LEU:HA	20	1.04
(1,1577)	1:B:167:VAL:H	1:B:167:VAL:HG11	11	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1577)	1:B:167:VAL:H	1:B:167:VAL:HG12	11	1.04
(1,1577)	1:B:167:VAL:H	1:B:167:VAL:HG13	11	1.04
(1,1577)	1:B:167:VAL:H	1:B:167:VAL:HG11	19	1.04
(1,1577)	1:B:167:VAL:H	1:B:167:VAL:HG12	19	1.04
(1,1577)	1:B:167:VAL:H	1:B:167:VAL:HG13	19	1.04
(1,1283)	1:A:78:VAL:HG11	1:A:78:VAL:H	3	1.04
(1,1283)	1:A:78:VAL:HG12	1:A:78:VAL:H	3	1.04
(1,1283)	1:A:78:VAL:HG13	1:A:78:VAL:H	3	1.04
(1,1283)	1:A:78:VAL:HG11	1:A:78:VAL:H	4	1.04
(1,1283)	1:A:78:VAL:HG12	1:A:78:VAL:H	4	1.04
(1,1283)	1:A:78:VAL:HG13	1:A:78:VAL:H	4	1.04
(1,1283)	1:A:78:VAL:HG11	1:A:78:VAL:H	9	1.04
(1,1283)	1:A:78:VAL:HG12	1:A:78:VAL:H	9	1.04
(1,1283)	1:A:78:VAL:HG13	1:A:78:VAL:H	9	1.04
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD11	4	1.04
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD12	4	1.04
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD13	4	1.04
(1,11)	1:A:78:VAL:H	1:A:78:VAL:HG11	3	1.04
(1,11)	1:A:78:VAL:H	1:A:78:VAL:HG12	3	1.04
(1,11)	1:A:78:VAL:H	1:A:78:VAL:HG13	3	1.04
(1,11)	1:A:78:VAL:H	1:A:78:VAL:HG11	4	1.04
(1,11)	1:A:78:VAL:H	1:A:78:VAL:HG12	4	1.04
(1,11)	1:A:78:VAL:H	1:A:78:VAL:HG13	4	1.04
(1,11)	1:A:78:VAL:H	1:A:78:VAL:HG11	9	1.04
(1,11)	1:A:78:VAL:H	1:A:78:VAL:HG12	9	1.04
(1,11)	1:A:78:VAL:H	1:A:78:VAL:HG13	9	1.04
(1,82)	1:A:22:LEU:HD11	1:A:22:LEU:HA	11	1.03
(1,82)	1:A:22:LEU:HD12	1:A:22:LEU:HA	11	1.03
(1,82)	1:A:22:LEU:HD13	1:A:22:LEU:HA	11	1.03
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG11	12	1.03
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG12	12	1.03
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG13	12	1.03
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG11	12	1.03
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG12	12	1.03
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG13	12	1.03
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG11	12	1.03
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG12	12	1.03
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG13	12	1.03
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG11	1	1.03
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG12	1	1.03
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG13	1	1.03
(1,2849)	1:B:167:VAL:HG11	1:B:167:VAL:H	2	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2849)	1:B:167:VAL:HG12	1:B:167:VAL:H	2	1.03
(1,2849)	1:B:167:VAL:HG13	1:B:167:VAL:H	2	1.03
(1,2849)	1:B:167:VAL:HG11	1:B:167:VAL:H	3	1.03
(1,2849)	1:B:167:VAL:HG12	1:B:167:VAL:H	3	1.03
(1,2849)	1:B:167:VAL:HG13	1:B:167:VAL:H	3	1.03
(1,284)	1:A:63:VAL:HG21	1:A:64:GLN:HA	1	1.03
(1,284)	1:A:63:VAL:HG22	1:A:64:GLN:HA	1	1.03
(1,284)	1:A:63:VAL:HG23	1:A:64:GLN:HA	1	1.03
(1,284)	1:A:63:VAL:HG21	1:A:64:GLN:HA	8	1.03
(1,284)	1:A:63:VAL:HG22	1:A:64:GLN:HA	8	1.03
(1,284)	1:A:63:VAL:HG23	1:A:64:GLN:HA	8	1.03
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD11	11	1.03
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD12	11	1.03
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD13	11	1.03
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD11	11	1.03
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD12	11	1.03
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD13	11	1.03
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD11	11	1.03
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD12	11	1.03
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD13	11	1.03
(1,1850)	1:B:152:VAL:HG21	1:B:153:GLN:HA	6	1.03
(1,1850)	1:B:152:VAL:HG22	1:B:153:GLN:HA	6	1.03
(1,1850)	1:B:152:VAL:HG23	1:B:153:GLN:HA	6	1.03
(1,1850)	1:B:152:VAL:HG21	1:B:153:GLN:HA	7	1.03
(1,1850)	1:B:152:VAL:HG22	1:B:153:GLN:HA	7	1.03
(1,1850)	1:B:152:VAL:HG23	1:B:153:GLN:HA	7	1.03
(1,1850)	1:B:152:VAL:HG21	1:B:153:GLN:HA	10	1.03
(1,1850)	1:B:152:VAL:HG22	1:B:153:GLN:HA	10	1.03
(1,1850)	1:B:152:VAL:HG23	1:B:153:GLN:HA	10	1.03
(1,1577)	1:B:167:VAL:H	1:B:167:VAL:HG11	2	1.03
(1,1577)	1:B:167:VAL:H	1:B:167:VAL:HG12	2	1.03
(1,1577)	1:B:167:VAL:H	1:B:167:VAL:HG13	2	1.03
(1,1577)	1:B:167:VAL:H	1:B:167:VAL:HG11	3	1.03
(1,1577)	1:B:167:VAL:H	1:B:167:VAL:HG12	3	1.03
(1,1577)	1:B:167:VAL:H	1:B:167:VAL:HG13	3	1.03
(1,1283)	1:A:78:VAL:HG11	1:A:78:VAL:H	12	1.03
(1,1283)	1:A:78:VAL:HG12	1:A:78:VAL:H	12	1.03
(1,1283)	1:A:78:VAL:HG13	1:A:78:VAL:H	12	1.03
(1,1283)	1:A:78:VAL:HG11	1:A:78:VAL:H	17	1.03
(1,1283)	1:A:78:VAL:HG12	1:A:78:VAL:H	17	1.03
(1,1283)	1:A:78:VAL:HG13	1:A:78:VAL:H	17	1.03
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD11	11	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD12	11	1.03
(1,111)	1:A:22:LEU:HA	1:A:22:LEU:HD13	11	1.03
(1,11)	1:A:78:VAL:H	1:A:78:VAL:HG11	12	1.03
(1,11)	1:A:78:VAL:H	1:A:78:VAL:HG12	12	1.03
(1,11)	1:A:78:VAL:H	1:A:78:VAL:HG13	12	1.03
(1,11)	1:A:78:VAL:H	1:A:78:VAL:HG11	17	1.03
(1,11)	1:A:78:VAL:H	1:A:78:VAL:HG12	17	1.03
(1,11)	1:A:78:VAL:H	1:A:78:VAL:HG13	17	1.03
(1,8)	1:A:33:VAL:H	1:A:33:VAL:HG11	3	1.02
(1,8)	1:A:33:VAL:H	1:A:33:VAL:HG12	3	1.02
(1,8)	1:A:33:VAL:H	1:A:33:VAL:HG13	3	1.02
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG21	3	1.02
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG22	3	1.02
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG23	3	1.02
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG21	3	1.02
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG22	3	1.02
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG23	3	1.02
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG21	3	1.02
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG22	3	1.02
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG23	3	1.02
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG21	15	1.02
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG22	15	1.02
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG23	15	1.02
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG21	15	1.02
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG22	15	1.02
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG23	15	1.02
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG21	15	1.02
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG22	15	1.02
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG23	15	1.02
(1,284)	1:A:63:VAL:HG21	1:A:64:GLN:HA	12	1.02
(1,284)	1:A:63:VAL:HG22	1:A:64:GLN:HA	12	1.02
(1,284)	1:A:63:VAL:HG23	1:A:64:GLN:HA	12	1.02
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG21	9	1.02
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG22	9	1.02
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG23	9	1.02
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG21	9	1.02
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG22	9	1.02
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG23	9	1.02
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG21	9	1.02
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG22	9	1.02
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG23	9	1.02
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD11	19	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD12	19	1.02
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD13	19	1.02
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG11	1	1.02
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG12	1	1.02
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG13	1	1.02
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG11	1	1.02
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG12	1	1.02
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG13	1	1.02
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG11	1	1.02
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG12	1	1.02
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG13	1	1.02
(1,1850)	1:B:152:VAL:HG21	1:B:153:GLN:HA	8	1.02
(1,1850)	1:B:152:VAL:HG22	1:B:153:GLN:HA	8	1.02
(1,1850)	1:B:152:VAL:HG23	1:B:153:GLN:HA	8	1.02
(1,1850)	1:B:152:VAL:HG21	1:B:153:GLN:HA	11	1.02
(1,1850)	1:B:152:VAL:HG22	1:B:153:GLN:HA	11	1.02
(1,1850)	1:B:152:VAL:HG23	1:B:153:GLN:HA	11	1.02
(1,1850)	1:B:152:VAL:HG21	1:B:153:GLN:HA	18	1.02
(1,1850)	1:B:152:VAL:HG22	1:B:153:GLN:HA	18	1.02
(1,1850)	1:B:152:VAL:HG23	1:B:153:GLN:HA	18	1.02
(1,1850)	1:B:152:VAL:HG21	1:B:153:GLN:HA	19	1.02
(1,1850)	1:B:152:VAL:HG22	1:B:153:GLN:HA	19	1.02
(1,1850)	1:B:152:VAL:HG23	1:B:153:GLN:HA	19	1.02
(1,1574)	1:B:122:VAL:H	1:B:122:VAL:HG11	5	1.02
(1,1574)	1:B:122:VAL:H	1:B:122:VAL:HG12	5	1.02
(1,1574)	1:B:122:VAL:H	1:B:122:VAL:HG13	5	1.02
(1,1283)	1:A:78:VAL:HG11	1:A:78:VAL:H	11	1.02
(1,1283)	1:A:78:VAL:HG12	1:A:78:VAL:H	11	1.02
(1,1283)	1:A:78:VAL:HG13	1:A:78:VAL:H	11	1.02
(1,1283)	1:A:78:VAL:HG11	1:A:78:VAL:H	20	1.02
(1,1283)	1:A:78:VAL:HG12	1:A:78:VAL:H	20	1.02
(1,1283)	1:A:78:VAL:HG13	1:A:78:VAL:H	20	1.02
(1,11)	1:A:78:VAL:H	1:A:78:VAL:HG11	11	1.02
(1,11)	1:A:78:VAL:H	1:A:78:VAL:HG12	11	1.02
(1,11)	1:A:78:VAL:H	1:A:78:VAL:HG13	11	1.02
(1,11)	1:A:78:VAL:H	1:A:78:VAL:HG11	20	1.02
(1,11)	1:A:78:VAL:H	1:A:78:VAL:HG12	20	1.02
(1,11)	1:A:78:VAL:H	1:A:78:VAL:HG13	20	1.02
(1,1028)	1:A:22:LEU:HD21	1:A:70:LYS:HD2	16	1.02
(1,1028)	1:A:22:LEU:HD21	1:A:70:LYS:HD3	16	1.02
(1,1028)	1:A:22:LEU:HD22	1:A:70:LYS:HD2	16	1.02
(1,1028)	1:A:22:LEU:HD22	1:A:70:LYS:HD3	16	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1028)	1:A:22:LEU:HD23	1:A:70:LYS:HD2	16	1.02
(1,1028)	1:A:22:LEU:HD23	1:A:70:LYS:HD3	16	1.02
(1,8)	1:A:33:VAL:H	1:A:33:VAL:HG11	4	1.01
(1,8)	1:A:33:VAL:H	1:A:33:VAL:HG12	4	1.01
(1,8)	1:A:33:VAL:H	1:A:33:VAL:HG13	4	1.01
(1,8)	1:A:33:VAL:H	1:A:33:VAL:HG11	9	1.01
(1,8)	1:A:33:VAL:H	1:A:33:VAL:HG12	9	1.01
(1,8)	1:A:33:VAL:H	1:A:33:VAL:HG13	9	1.01
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB1	6	1.01
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB2	6	1.01
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB3	6	1.01
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB1	6	1.01
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB2	6	1.01
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB3	6	1.01
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB1	6	1.01
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB2	6	1.01
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB3	6	1.01
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB1	9	1.01
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB2	9	1.01
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB3	9	1.01
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB1	9	1.01
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB2	9	1.01
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB3	9	1.01
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB1	9	1.01
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB2	9	1.01
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB3	9	1.01
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG21	20	1.01
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG22	20	1.01
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG23	20	1.01
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG21	20	1.01
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG22	20	1.01
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG23	20	1.01
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG21	20	1.01
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG22	20	1.01
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG23	20	1.01
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD21	8	1.01
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD22	8	1.01
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD23	8	1.01
(1,284)	1:A:63:VAL:HG21	1:A:64:GLN:HA	9	1.01
(1,284)	1:A:63:VAL:HG22	1:A:64:GLN:HA	9	1.01
(1,284)	1:A:63:VAL:HG23	1:A:64:GLN:HA	9	1.01
(1,284)	1:A:63:VAL:HG21	1:A:64:GLN:HA	19	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,284)	1:A:63:VAL:HG22	1:A:64:GLN:HA	19	1.01
(1,284)	1:A:63:VAL:HG23	1:A:64:GLN:HA	19	1.01
(1,280)	1:A:22:LEU:HD21	1:A:19:GLU:HA	8	1.01
(1,280)	1:A:22:LEU:HD22	1:A:19:GLU:HA	8	1.01
(1,280)	1:A:22:LEU:HD23	1:A:19:GLU:HA	8	1.01
(1,1850)	1:B:152:VAL:HG21	1:B:153:GLN:HA	2	1.01
(1,1850)	1:B:152:VAL:HG22	1:B:153:GLN:HA	2	1.01
(1,1850)	1:B:152:VAL:HG23	1:B:153:GLN:HA	2	1.01
(1,1850)	1:B:152:VAL:HG21	1:B:153:GLN:HA	3	1.01
(1,1850)	1:B:152:VAL:HG22	1:B:153:GLN:HA	3	1.01
(1,1850)	1:B:152:VAL:HG23	1:B:153:GLN:HA	3	1.01
(1,1850)	1:B:152:VAL:HG21	1:B:153:GLN:HA	20	1.01
(1,1850)	1:B:152:VAL:HG22	1:B:153:GLN:HA	20	1.01
(1,1850)	1:B:152:VAL:HG23	1:B:153:GLN:HA	20	1.01
(1,1574)	1:B:122:VAL:H	1:B:122:VAL:HG11	10	1.01
(1,1574)	1:B:122:VAL:H	1:B:122:VAL:HG12	10	1.01
(1,1574)	1:B:122:VAL:H	1:B:122:VAL:HG13	10	1.01
(1,1283)	1:A:78:VAL:HG11	1:A:78:VAL:H	7	1.01
(1,1283)	1:A:78:VAL:HG12	1:A:78:VAL:H	7	1.01
(1,1283)	1:A:78:VAL:HG13	1:A:78:VAL:H	7	1.01
(1,11)	1:A:78:VAL:H	1:A:78:VAL:HG11	7	1.01
(1,11)	1:A:78:VAL:H	1:A:78:VAL:HG12	7	1.01
(1,11)	1:A:78:VAL:H	1:A:78:VAL:HG13	7	1.01
(1,8)	1:A:33:VAL:H	1:A:33:VAL:HG11	11	1.0
(1,8)	1:A:33:VAL:H	1:A:33:VAL:HG12	11	1.0
(1,8)	1:A:33:VAL:H	1:A:33:VAL:HG13	11	1.0
(1,8)	1:A:33:VAL:H	1:A:33:VAL:HG11	12	1.0
(1,8)	1:A:33:VAL:H	1:A:33:VAL:HG12	12	1.0
(1,8)	1:A:33:VAL:H	1:A:33:VAL:HG13	12	1.0
(1,8)	1:A:33:VAL:H	1:A:33:VAL:HG11	17	1.0
(1,8)	1:A:33:VAL:H	1:A:33:VAL:HG12	17	1.0
(1,8)	1:A:33:VAL:H	1:A:33:VAL:HG13	17	1.0
(1,8)	1:A:33:VAL:H	1:A:33:VAL:HG11	20	1.0
(1,8)	1:A:33:VAL:H	1:A:33:VAL:HG12	20	1.0
(1,8)	1:A:33:VAL:H	1:A:33:VAL:HG13	20	1.0
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG21	1	1.0
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG22	1	1.0
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG23	1	1.0
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG21	1	1.0
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG22	1	1.0
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG23	1	1.0
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG21	1	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG22	1	1.0
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG23	1	1.0
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG21	18	1.0
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG22	18	1.0
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG23	18	1.0
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG21	18	1.0
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG22	18	1.0
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG23	18	1.0
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG21	18	1.0
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG22	18	1.0
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG23	18	1.0
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD11	5	1.0
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD12	5	1.0
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD13	5	1.0
(1,2849)	1:B:167:VAL:HG11	1:B:167:VAL:H	14	1.0
(1,2849)	1:B:167:VAL:HG12	1:B:167:VAL:H	14	1.0
(1,2849)	1:B:167:VAL:HG13	1:B:167:VAL:H	14	1.0
(1,284)	1:A:63:VAL:HG21	1:A:64:GLN:HA	10	1.0
(1,284)	1:A:63:VAL:HG22	1:A:64:GLN:HA	10	1.0
(1,284)	1:A:63:VAL:HG23	1:A:64:GLN:HA	10	1.0
(1,284)	1:A:63:VAL:HG21	1:A:64:GLN:HA	11	1.0
(1,284)	1:A:63:VAL:HG22	1:A:64:GLN:HA	11	1.0
(1,284)	1:A:63:VAL:HG23	1:A:64:GLN:HA	11	1.0
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG11	10	1.0
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG12	10	1.0
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG13	10	1.0
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG11	10	1.0
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG12	10	1.0
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG13	10	1.0
(1,247)	1:A:22:LEU:HD21	1:A:70:LYS:HA	3	1.0
(1,247)	1:A:22:LEU:HD22	1:A:70:LYS:HA	3	1.0
(1,247)	1:A:22:LEU:HD23	1:A:70:LYS:HA	3	1.0
(1,2308)	1:B:168:LYS:HA	1:B:167:VAL:HG21	2	1.0
(1,2308)	1:B:168:LYS:HA	1:B:167:VAL:HG22	2	1.0
(1,2308)	1:B:168:LYS:HA	1:B:167:VAL:HG23	2	1.0
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG21	10	1.0
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG22	10	1.0
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG23	10	1.0
(1,1850)	1:B:152:VAL:HG21	1:B:153:GLN:HA	9	1.0
(1,1850)	1:B:152:VAL:HG22	1:B:153:GLN:HA	9	1.0
(1,1850)	1:B:152:VAL:HG23	1:B:153:GLN:HA	9	1.0
(1,1737)	1:B:122:VAL:HG21	1:B:147:VAL:HB	10	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1737)	1:B:122:VAL:HG22	1:B:147:VAL:HB	10	1.0
(1,1737)	1:B:122:VAL:HG23	1:B:147:VAL:HB	10	1.0
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG21	6	1.0
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG22	6	1.0
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG23	6	1.0
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG21	6	1.0
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG22	6	1.0
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG23	6	1.0
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG21	6	1.0
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG22	6	1.0
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG23	6	1.0
(1,1577)	1:B:167:VAL:H	1:B:167:VAL:HG11	14	1.0
(1,1577)	1:B:167:VAL:H	1:B:167:VAL:HG12	14	1.0
(1,1577)	1:B:167:VAL:H	1:B:167:VAL:HG13	14	1.0
(1,1574)	1:B:122:VAL:H	1:B:122:VAL:HG11	11	1.0
(1,1574)	1:B:122:VAL:H	1:B:122:VAL:HG12	11	1.0
(1,1574)	1:B:122:VAL:H	1:B:122:VAL:HG13	11	1.0
(1,1283)	1:A:78:VAL:HG11	1:A:78:VAL:H	2	1.0
(1,1283)	1:A:78:VAL:HG12	1:A:78:VAL:H	2	1.0
(1,1283)	1:A:78:VAL:HG13	1:A:78:VAL:H	2	1.0
(1,11)	1:A:78:VAL:H	1:A:78:VAL:HG11	2	1.0
(1,11)	1:A:78:VAL:H	1:A:78:VAL:HG12	2	1.0
(1,11)	1:A:78:VAL:H	1:A:78:VAL:HG13	2	1.0
(1,1028)	1:A:22:LEU:HD21	1:A:70:LYS:HD2	2	1.0
(1,1028)	1:A:22:LEU:HD21	1:A:70:LYS:HD3	2	1.0
(1,1028)	1:A:22:LEU:HD22	1:A:70:LYS:HD2	2	1.0
(1,1028)	1:A:22:LEU:HD22	1:A:70:LYS:HD3	2	1.0
(1,1028)	1:A:22:LEU:HD23	1:A:70:LYS:HD2	2	1.0
(1,1028)	1:A:22:LEU:HD23	1:A:70:LYS:HD3	2	1.0
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB1	3	0.99
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB2	3	0.99
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB3	3	0.99
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB1	3	0.99
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB2	3	0.99
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB3	3	0.99
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB1	3	0.99
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB2	3	0.99
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB3	3	0.99
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG11	7	0.99
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG12	7	0.99
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG13	7	0.99
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG11	7	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG12	7	0.99
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG13	7	0.99
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG11	7	0.99
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG12	7	0.99
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG13	7	0.99
(1,284)	1:A:63:VAL:HG21	1:A:64:GLN:HA	7	0.99
(1,284)	1:A:63:VAL:HG22	1:A:64:GLN:HA	7	0.99
(1,284)	1:A:63:VAL:HG23	1:A:64:GLN:HA	7	0.99
(1,284)	1:A:63:VAL:HG21	1:A:64:GLN:HA	15	0.99
(1,284)	1:A:63:VAL:HG22	1:A:64:GLN:HA	15	0.99
(1,284)	1:A:63:VAL:HG23	1:A:64:GLN:HA	15	0.99
(1,284)	1:A:63:VAL:HG21	1:A:64:GLN:HA	17	0.99
(1,284)	1:A:63:VAL:HG22	1:A:64:GLN:HA	17	0.99
(1,284)	1:A:63:VAL:HG23	1:A:64:GLN:HA	17	0.99
(1,2594)	1:B:111:LEU:HD21	1:B:159:LYS:HD2	13	0.99
(1,2594)	1:B:111:LEU:HD21	1:B:159:LYS:HD3	13	0.99
(1,2594)	1:B:111:LEU:HD22	1:B:159:LYS:HD2	13	0.99
(1,2594)	1:B:111:LEU:HD22	1:B:159:LYS:HD3	13	0.99
(1,2594)	1:B:111:LEU:HD23	1:B:159:LYS:HD2	13	0.99
(1,2594)	1:B:111:LEU:HD23	1:B:159:LYS:HD3	13	0.99
(1,2308)	1:B:168:LYS:HA	1:B:167:VAL:HG21	11	0.99
(1,2308)	1:B:168:LYS:HA	1:B:167:VAL:HG22	11	0.99
(1,2308)	1:B:168:LYS:HA	1:B:167:VAL:HG23	11	0.99
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG11	10	0.99
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG12	10	0.99
(1,2265)	1:B:148:THR:HG21	1:B:152:VAL:HG13	10	0.99
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG11	10	0.99
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG12	10	0.99
(1,2265)	1:B:148:THR:HG22	1:B:152:VAL:HG13	10	0.99
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG11	10	0.99
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG12	10	0.99
(1,2265)	1:B:148:THR:HG23	1:B:152:VAL:HG13	10	0.99
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD11	3	0.99
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD12	3	0.99
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD13	3	0.99
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD11	3	0.99
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD12	3	0.99
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD13	3	0.99
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD11	3	0.99
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD12	3	0.99
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD13	3	0.99
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG11	19	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG12	19	0.99
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG13	19	0.99
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG11	19	0.99
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG12	19	0.99
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG13	19	0.99
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG11	19	0.99
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG12	19	0.99
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG13	19	0.99
(1,1813)	1:B:111:LEU:HD21	1:B:159:LYS:HA	8	0.99
(1,1813)	1:B:111:LEU:HD22	1:B:159:LYS:HA	8	0.99
(1,1813)	1:B:111:LEU:HD23	1:B:159:LYS:HA	8	0.99
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG21	2	0.98
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG22	2	0.98
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG23	2	0.98
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG21	2	0.98
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG22	2	0.98
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG23	2	0.98
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG21	2	0.98
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG22	2	0.98
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG23	2	0.98
(1,2594)	1:B:111:LEU:HD21	1:B:159:LYS:HD2	10	0.98
(1,2594)	1:B:111:LEU:HD21	1:B:159:LYS:HD3	10	0.98
(1,2594)	1:B:111:LEU:HD22	1:B:159:LYS:HD2	10	0.98
(1,2594)	1:B:111:LEU:HD22	1:B:159:LYS:HD3	10	0.98
(1,2594)	1:B:111:LEU:HD23	1:B:159:LYS:HD2	10	0.98
(1,2594)	1:B:111:LEU:HD23	1:B:159:LYS:HD3	10	0.98
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG21	3	0.98
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG22	3	0.98
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG23	3	0.98
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG21	3	0.98
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG22	3	0.98
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG23	3	0.98
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG21	3	0.98
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG22	3	0.98
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG23	3	0.98
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD11	19	0.98
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD12	19	0.98
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD13	19	0.98
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD11	19	0.98
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD12	19	0.98
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD13	19	0.98
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD11	19	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD12	19	0.98
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD13	19	0.98
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG11	2	0.98
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG12	2	0.98
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG13	2	0.98
(1,1238)	1:A:24:VAL:HG11	1:A:24:VAL:H	2	0.98
(1,1238)	1:A:24:VAL:HG12	1:A:24:VAL:H	2	0.98
(1,1238)	1:A:24:VAL:HG13	1:A:24:VAL:H	2	0.98
(1,1238)	1:A:24:VAL:HG11	1:A:24:VAL:H	7	0.98
(1,1238)	1:A:24:VAL:HG12	1:A:24:VAL:H	7	0.98
(1,1238)	1:A:24:VAL:HG13	1:A:24:VAL:H	7	0.98
(1,10)	1:A:24:VAL:H	1:A:24:VAL:HG11	2	0.98
(1,10)	1:A:24:VAL:H	1:A:24:VAL:HG12	2	0.98
(1,10)	1:A:24:VAL:H	1:A:24:VAL:HG13	2	0.98
(1,10)	1:A:24:VAL:H	1:A:24:VAL:HG11	7	0.98
(1,10)	1:A:24:VAL:H	1:A:24:VAL:HG12	7	0.98
(1,10)	1:A:24:VAL:H	1:A:24:VAL:HG13	7	0.98
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG11	3	0.97
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG12	3	0.97
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG13	3	0.97
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG11	3	0.97
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG12	3	0.97
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG13	3	0.97
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB1	11	0.97
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB2	11	0.97
(1,791)	1:A:39:LEU:HD11	1:A:38:ALA:HB3	11	0.97
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB1	11	0.97
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB2	11	0.97
(1,791)	1:A:39:LEU:HD12	1:A:38:ALA:HB3	11	0.97
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB1	11	0.97
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB2	11	0.97
(1,791)	1:A:39:LEU:HD13	1:A:38:ALA:HB3	11	0.97
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG21	9	0.97
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG22	9	0.97
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG23	9	0.97
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG21	9	0.97
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG22	9	0.97
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG23	9	0.97
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG21	9	0.97
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG22	9	0.97
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG23	9	0.97
(1,284)	1:A:63:VAL:HG21	1:A:64:GLN:HA	4	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,284)	1:A:63:VAL:HG22	1:A:64:GLN:HA	4	0.97
(1,284)	1:A:63:VAL:HG23	1:A:64:GLN:HA	4	0.97
(1,284)	1:A:63:VAL:HG21	1:A:64:GLN:HA	18	0.97
(1,284)	1:A:63:VAL:HG22	1:A:64:GLN:HA	18	0.97
(1,284)	1:A:63:VAL:HG23	1:A:64:GLN:HA	18	0.97
(1,2804)	1:B:113:VAL:HG11	1:B:113:VAL:H	8	0.97
(1,2804)	1:B:113:VAL:HG12	1:B:113:VAL:H	8	0.97
(1,2804)	1:B:113:VAL:HG13	1:B:113:VAL:H	8	0.97
(1,2804)	1:B:113:VAL:HG11	1:B:113:VAL:H	9	0.97
(1,2804)	1:B:113:VAL:HG12	1:B:113:VAL:H	9	0.97
(1,2804)	1:B:113:VAL:HG13	1:B:113:VAL:H	9	0.97
(1,2804)	1:B:113:VAL:HG11	1:B:113:VAL:H	14	0.97
(1,2804)	1:B:113:VAL:HG12	1:B:113:VAL:H	14	0.97
(1,2804)	1:B:113:VAL:HG13	1:B:113:VAL:H	14	0.97
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD11	15	0.97
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD12	15	0.97
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD13	15	0.97
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD11	15	0.97
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD12	15	0.97
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD13	15	0.97
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD11	15	0.97
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD12	15	0.97
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD13	15	0.97
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG11	7	0.97
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG12	7	0.97
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG13	7	0.97
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG11	7	0.97
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG12	7	0.97
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG13	7	0.97
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG11	7	0.97
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG12	7	0.97
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG13	7	0.97
(1,1730)	1:B:167:VAL:HG11	1:B:151:ILE:HG21	3	0.97
(1,1730)	1:B:167:VAL:HG11	1:B:151:ILE:HG22	3	0.97
(1,1730)	1:B:167:VAL:HG11	1:B:151:ILE:HG23	3	0.97
(1,1730)	1:B:167:VAL:HG12	1:B:151:ILE:HG21	3	0.97
(1,1730)	1:B:167:VAL:HG12	1:B:151:ILE:HG22	3	0.97
(1,1730)	1:B:167:VAL:HG12	1:B:151:ILE:HG23	3	0.97
(1,1730)	1:B:167:VAL:HG13	1:B:151:ILE:HG21	3	0.97
(1,1730)	1:B:167:VAL:HG13	1:B:151:ILE:HG22	3	0.97
(1,1730)	1:B:167:VAL:HG13	1:B:151:ILE:HG23	3	0.97
(1,164)	1:A:78:VAL:HG11	1:A:62:ILE:HG21	11	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,164)	1:A:78:VAL:HG11	1:A:62:ILE:HG22	11	0.97
(1,164)	1:A:78:VAL:HG11	1:A:62:ILE:HG23	11	0.97
(1,164)	1:A:78:VAL:HG12	1:A:62:ILE:HG21	11	0.97
(1,164)	1:A:78:VAL:HG12	1:A:62:ILE:HG22	11	0.97
(1,164)	1:A:78:VAL:HG12	1:A:62:ILE:HG23	11	0.97
(1,164)	1:A:78:VAL:HG13	1:A:62:ILE:HG21	11	0.97
(1,164)	1:A:78:VAL:HG13	1:A:62:ILE:HG22	11	0.97
(1,164)	1:A:78:VAL:HG13	1:A:62:ILE:HG23	11	0.97
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG11	8	0.97
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG12	8	0.97
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG13	8	0.97
(1,1576)	1:B:113:VAL:H	1:B:113:VAL:HG11	8	0.97
(1,1576)	1:B:113:VAL:H	1:B:113:VAL:HG12	8	0.97
(1,1576)	1:B:113:VAL:H	1:B:113:VAL:HG13	8	0.97
(1,1576)	1:B:113:VAL:H	1:B:113:VAL:HG11	9	0.97
(1,1576)	1:B:113:VAL:H	1:B:113:VAL:HG12	9	0.97
(1,1576)	1:B:113:VAL:H	1:B:113:VAL:HG13	9	0.97
(1,1576)	1:B:113:VAL:H	1:B:113:VAL:HG11	14	0.97
(1,1576)	1:B:113:VAL:H	1:B:113:VAL:HG12	14	0.97
(1,1576)	1:B:113:VAL:H	1:B:113:VAL:HG13	14	0.97
(1,1238)	1:A:24:VAL:HG11	1:A:24:VAL:H	1	0.97
(1,1238)	1:A:24:VAL:HG12	1:A:24:VAL:H	1	0.97
(1,1238)	1:A:24:VAL:HG13	1:A:24:VAL:H	1	0.97
(1,1238)	1:A:24:VAL:HG11	1:A:24:VAL:H	5	0.97
(1,1238)	1:A:24:VAL:HG12	1:A:24:VAL:H	5	0.97
(1,1238)	1:A:24:VAL:HG13	1:A:24:VAL:H	5	0.97
(1,1238)	1:A:24:VAL:HG11	1:A:24:VAL:H	11	0.97
(1,1238)	1:A:24:VAL:HG12	1:A:24:VAL:H	11	0.97
(1,1238)	1:A:24:VAL:HG13	1:A:24:VAL:H	11	0.97
(1,10)	1:A:24:VAL:H	1:A:24:VAL:HG11	1	0.97
(1,10)	1:A:24:VAL:H	1:A:24:VAL:HG12	1	0.97
(1,10)	1:A:24:VAL:H	1:A:24:VAL:HG13	1	0.97
(1,10)	1:A:24:VAL:H	1:A:24:VAL:HG11	5	0.97
(1,10)	1:A:24:VAL:H	1:A:24:VAL:HG12	5	0.97
(1,10)	1:A:24:VAL:H	1:A:24:VAL:HG13	5	0.97
(1,10)	1:A:24:VAL:H	1:A:24:VAL:HG11	11	0.97
(1,10)	1:A:24:VAL:H	1:A:24:VAL:HG12	11	0.97
(1,10)	1:A:24:VAL:H	1:A:24:VAL:HG13	11	0.97
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG11	15	0.96
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG12	15	0.96
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG13	15	0.96
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG11	15	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG12	15	0.96
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG13	15	0.96
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD11	10	0.96
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD12	10	0.96
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD13	10	0.96
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD11	10	0.96
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD12	10	0.96
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD13	10	0.96
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD11	10	0.96
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD12	10	0.96
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD13	10	0.96
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD11	17	0.96
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD12	17	0.96
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD13	17	0.96
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD11	17	0.96
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD12	17	0.96
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD13	17	0.96
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD11	17	0.96
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD12	17	0.96
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD13	17	0.96
(1,2804)	1:B:113:VAL:HG11	1:B:113:VAL:H	7	0.96
(1,2804)	1:B:113:VAL:HG12	1:B:113:VAL:H	7	0.96
(1,2804)	1:B:113:VAL:HG13	1:B:113:VAL:H	7	0.96
(1,2804)	1:B:113:VAL:HG11	1:B:113:VAL:H	19	0.96
(1,2804)	1:B:113:VAL:HG12	1:B:113:VAL:H	19	0.96
(1,2804)	1:B:113:VAL:HG13	1:B:113:VAL:H	19	0.96
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG21	11	0.96
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG22	11	0.96
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG23	11	0.96
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG21	11	0.96
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG22	11	0.96
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG23	11	0.96
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG21	11	0.96
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG22	11	0.96
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG23	11	0.96
(1,2297)	1:B:144:ILE:HD11	1:B:122:VAL:HG21	5	0.96
(1,2297)	1:B:144:ILE:HD11	1:B:122:VAL:HG22	5	0.96
(1,2297)	1:B:144:ILE:HD11	1:B:122:VAL:HG23	5	0.96
(1,2297)	1:B:144:ILE:HD12	1:B:122:VAL:HG21	5	0.96
(1,2297)	1:B:144:ILE:HD12	1:B:122:VAL:HG22	5	0.96
(1,2297)	1:B:144:ILE:HD12	1:B:122:VAL:HG23	5	0.96
(1,2297)	1:B:144:ILE:HD13	1:B:122:VAL:HG21	5	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2297)	1:B:144:ILE:HD13	1:B:122:VAL:HG22	5	0.96
(1,2297)	1:B:144:ILE:HD13	1:B:122:VAL:HG23	5	0.96
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG11	3	0.96
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG12	3	0.96
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG13	3	0.96
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG11	3	0.96
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG12	3	0.96
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG13	3	0.96
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG11	3	0.96
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG12	3	0.96
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG13	3	0.96
(1,2190)	1:B:111:LEU:HD21	1:B:159:LYS:HG2	2	0.96
(1,2190)	1:B:111:LEU:HD21	1:B:159:LYS:HG3	2	0.96
(1,2190)	1:B:111:LEU:HD22	1:B:159:LYS:HG2	2	0.96
(1,2190)	1:B:111:LEU:HD22	1:B:159:LYS:HG3	2	0.96
(1,2190)	1:B:111:LEU:HD23	1:B:159:LYS:HG2	2	0.96
(1,2190)	1:B:111:LEU:HD23	1:B:159:LYS:HG3	2	0.96
(1,167)	1:A:33:VAL:HG21	1:A:78:VAL:HG11	12	0.96
(1,167)	1:A:33:VAL:HG21	1:A:78:VAL:HG12	12	0.96
(1,167)	1:A:33:VAL:HG21	1:A:78:VAL:HG13	12	0.96
(1,167)	1:A:33:VAL:HG22	1:A:78:VAL:HG11	12	0.96
(1,167)	1:A:33:VAL:HG22	1:A:78:VAL:HG12	12	0.96
(1,167)	1:A:33:VAL:HG22	1:A:78:VAL:HG13	12	0.96
(1,167)	1:A:33:VAL:HG23	1:A:78:VAL:HG11	12	0.96
(1,167)	1:A:33:VAL:HG23	1:A:78:VAL:HG12	12	0.96
(1,167)	1:A:33:VAL:HG23	1:A:78:VAL:HG13	12	0.96
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG11	9	0.96
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG12	9	0.96
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG13	9	0.96
(1,1576)	1:B:113:VAL:H	1:B:113:VAL:HG11	7	0.96
(1,1576)	1:B:113:VAL:H	1:B:113:VAL:HG12	7	0.96
(1,1576)	1:B:113:VAL:H	1:B:113:VAL:HG13	7	0.96
(1,1576)	1:B:113:VAL:H	1:B:113:VAL:HG11	19	0.96
(1,1576)	1:B:113:VAL:H	1:B:113:VAL:HG12	19	0.96
(1,1576)	1:B:113:VAL:H	1:B:113:VAL:HG13	19	0.96
(1,1238)	1:A:24:VAL:HG11	1:A:24:VAL:H	8	0.96
(1,1238)	1:A:24:VAL:HG12	1:A:24:VAL:H	8	0.96
(1,1238)	1:A:24:VAL:HG13	1:A:24:VAL:H	8	0.96
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG11	1	0.96
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG12	1	0.96
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG13	1	0.96
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG11	10	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG12	10	0.96
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG13	10	0.96
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG11	15	0.96
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG12	15	0.96
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG13	15	0.96
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG11	18	0.96
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG12	18	0.96
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG13	18	0.96
(1,10)	1:A:24:VAL:H	1:A:24:VAL:HG11	8	0.96
(1,10)	1:A:24:VAL:H	1:A:24:VAL:HG12	8	0.96
(1,10)	1:A:24:VAL:H	1:A:24:VAL:HG13	8	0.96
(1,742)	1:A:79:LYS:HA	1:A:78:VAL:HG21	20	0.95
(1,742)	1:A:79:LYS:HA	1:A:78:VAL:HG22	20	0.95
(1,742)	1:A:79:LYS:HA	1:A:78:VAL:HG23	20	0.95
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG11	10	0.95
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG12	10	0.95
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG13	10	0.95
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG11	10	0.95
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG12	10	0.95
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG13	10	0.95
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD11	4	0.95
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD12	4	0.95
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD13	4	0.95
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD11	4	0.95
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD12	4	0.95
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD13	4	0.95
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD11	4	0.95
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD12	4	0.95
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD13	4	0.95
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG11	12	0.95
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG12	12	0.95
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG13	12	0.95
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG11	2	0.95
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG12	2	0.95
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG13	2	0.95
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG11	2	0.95
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG12	2	0.95
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG13	2	0.95
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG11	2	0.95
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG12	2	0.95
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG13	2	0.95
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD21	6	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD22	6	0.95
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD23	6	0.95
(1,2804)	1:B:113:VAL:HG11	1:B:113:VAL:H	2	0.95
(1,2804)	1:B:113:VAL:HG12	1:B:113:VAL:H	2	0.95
(1,2804)	1:B:113:VAL:HG13	1:B:113:VAL:H	2	0.95
(1,280)	1:A:22:LEU:HD21	1:A:19:GLU:HA	6	0.95
(1,280)	1:A:22:LEU:HD22	1:A:19:GLU:HA	6	0.95
(1,280)	1:A:22:LEU:HD23	1:A:19:GLU:HA	6	0.95
(1,2594)	1:B:111:LEU:HD21	1:B:159:LYS:HD2	11	0.95
(1,2594)	1:B:111:LEU:HD21	1:B:159:LYS:HD3	11	0.95
(1,2594)	1:B:111:LEU:HD22	1:B:159:LYS:HD2	11	0.95
(1,2594)	1:B:111:LEU:HD22	1:B:159:LYS:HD3	11	0.95
(1,2594)	1:B:111:LEU:HD23	1:B:159:LYS:HD2	11	0.95
(1,2594)	1:B:111:LEU:HD23	1:B:159:LYS:HD3	11	0.95
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD11	9	0.95
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD12	9	0.95
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD13	9	0.95
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD11	9	0.95
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD12	9	0.95
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD13	9	0.95
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD11	9	0.95
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD12	9	0.95
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD13	9	0.95
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG11	13	0.95
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG12	13	0.95
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG13	13	0.95
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG11	13	0.95
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG12	13	0.95
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG13	13	0.95
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG11	13	0.95
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG12	13	0.95
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG13	13	0.95
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD21	11	0.95
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD22	11	0.95
(1,2200)	1:B:108:GLU:HA	1:B:111:LEU:HD23	11	0.95
(1,1907)	1:B:102:VAL:HG21	1:B:125:ALA:HA	2	0.95
(1,1907)	1:B:102:VAL:HG22	1:B:125:ALA:HA	2	0.95
(1,1907)	1:B:102:VAL:HG23	1:B:125:ALA:HA	2	0.95
(1,1846)	1:B:111:LEU:HD21	1:B:108:GLU:HA	11	0.95
(1,1846)	1:B:111:LEU:HD22	1:B:108:GLU:HA	11	0.95
(1,1846)	1:B:111:LEU:HD23	1:B:108:GLU:HA	11	0.95
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG11	3	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG12	3	0.95
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG13	3	0.95
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG11	6	0.95
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG12	6	0.95
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG13	6	0.95
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG11	7	0.95
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG12	7	0.95
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG13	7	0.95
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG11	14	0.95
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG12	14	0.95
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG13	14	0.95
(1,1576)	1:B:113:VAL:H	1:B:113:VAL:HG11	2	0.95
(1,1576)	1:B:113:VAL:H	1:B:113:VAL:HG12	2	0.95
(1,1576)	1:B:113:VAL:H	1:B:113:VAL:HG13	2	0.95
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG11	4	0.95
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG12	4	0.95
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG13	4	0.95
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG11	7	0.95
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG12	7	0.95
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG13	7	0.95
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG11	9	0.95
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG12	9	0.95
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG13	9	0.95
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG11	12	0.95
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG12	12	0.95
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG13	12	0.95
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD11	5	0.94
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD12	5	0.94
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD13	5	0.94
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD11	5	0.94
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD12	5	0.94
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD13	5	0.94
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD11	5	0.94
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD12	5	0.94
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD13	5	0.94
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD21	16	0.94
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD22	16	0.94
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD23	16	0.94
(1,624)	1:A:22:LEU:HD21	1:A:70:LYS:HG2	1	0.94
(1,624)	1:A:22:LEU:HD21	1:A:70:LYS:HG3	1	0.94
(1,624)	1:A:22:LEU:HD22	1:A:70:LYS:HG2	1	0.94
(1,624)	1:A:22:LEU:HD22	1:A:70:LYS:HG3	1	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,624)	1:A:22:LEU:HD23	1:A:70:LYS:HG2	1	0.94
(1,624)	1:A:22:LEU:HD23	1:A:70:LYS:HG3	1	0.94
(1,58)	1:A:22:LEU:HD21	1:A:67:THR:HA	5	0.94
(1,58)	1:A:22:LEU:HD22	1:A:67:THR:HA	5	0.94
(1,58)	1:A:22:LEU:HD23	1:A:67:THR:HA	5	0.94
(1,58)	1:A:22:LEU:HD21	1:A:67:THR:HA	7	0.94
(1,58)	1:A:22:LEU:HD22	1:A:67:THR:HA	7	0.94
(1,58)	1:A:22:LEU:HD23	1:A:67:THR:HA	7	0.94
(1,280)	1:A:22:LEU:HD21	1:A:19:GLU:HA	16	0.94
(1,280)	1:A:22:LEU:HD22	1:A:19:GLU:HA	16	0.94
(1,280)	1:A:22:LEU:HD23	1:A:19:GLU:HA	16	0.94
(1,2594)	1:B:111:LEU:HD21	1:B:159:LYS:HD2	4	0.94
(1,2594)	1:B:111:LEU:HD21	1:B:159:LYS:HD3	4	0.94
(1,2594)	1:B:111:LEU:HD22	1:B:159:LYS:HD2	4	0.94
(1,2594)	1:B:111:LEU:HD22	1:B:159:LYS:HD3	4	0.94
(1,2594)	1:B:111:LEU:HD23	1:B:159:LYS:HD2	4	0.94
(1,2594)	1:B:111:LEU:HD23	1:B:159:LYS:HD3	4	0.94
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG11	18	0.94
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG12	18	0.94
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG13	18	0.94
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG11	18	0.94
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG12	18	0.94
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG13	18	0.94
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG11	8	0.94
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG12	8	0.94
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG13	8	0.94
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG11	1	0.94
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG12	1	0.94
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG13	1	0.94
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG11	10	0.94
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG12	10	0.94
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG13	10	0.94
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG11	11	0.94
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG12	11	0.94
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG13	11	0.94
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG11	16	0.94
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG12	16	0.94
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG13	16	0.94
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG11	18	0.94
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG12	18	0.94
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG13	18	0.94
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG11	19	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG12	19	0.94
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG13	19	0.94
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG11	20	0.94
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG12	20	0.94
(1,1578)	1:B:152:VAL:H	1:B:152:VAL:HG13	20	0.94
(1,1238)	1:A:24:VAL:HG11	1:A:24:VAL:H	6	0.94
(1,1238)	1:A:24:VAL:HG12	1:A:24:VAL:H	6	0.94
(1,1238)	1:A:24:VAL:HG13	1:A:24:VAL:H	6	0.94
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG11	8	0.94
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG12	8	0.94
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG13	8	0.94
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG11	11	0.94
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG12	11	0.94
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG13	11	0.94
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG11	17	0.94
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG12	17	0.94
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG13	17	0.94
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD21	5	0.94
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD22	5	0.94
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD23	5	0.94
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD21	7	0.94
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD22	7	0.94
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD23	7	0.94
(1,10)	1:A:24:VAL:H	1:A:24:VAL:HG11	6	0.94
(1,10)	1:A:24:VAL:H	1:A:24:VAL:HG12	6	0.94
(1,10)	1:A:24:VAL:H	1:A:24:VAL:HG13	6	0.94
(1,2606)	1:B:167:VAL:HG11	1:B:163:PHE:HA	14	0.93
(1,2606)	1:B:167:VAL:HG12	1:B:163:PHE:HA	14	0.93
(1,2606)	1:B:167:VAL:HG13	1:B:163:PHE:HA	14	0.93
(1,247)	1:A:22:LEU:HD21	1:A:70:LYS:HA	7	0.93
(1,247)	1:A:22:LEU:HD22	1:A:70:LYS:HA	7	0.93
(1,247)	1:A:22:LEU:HD23	1:A:70:LYS:HA	7	0.93
(1,1733)	1:B:122:VAL:HG21	1:B:167:VAL:HG11	10	0.93
(1,1733)	1:B:122:VAL:HG21	1:B:167:VAL:HG12	10	0.93
(1,1733)	1:B:122:VAL:HG21	1:B:167:VAL:HG13	10	0.93
(1,1733)	1:B:122:VAL:HG22	1:B:167:VAL:HG11	10	0.93
(1,1733)	1:B:122:VAL:HG22	1:B:167:VAL:HG12	10	0.93
(1,1733)	1:B:122:VAL:HG22	1:B:167:VAL:HG13	10	0.93
(1,1733)	1:B:122:VAL:HG23	1:B:167:VAL:HG11	10	0.93
(1,1733)	1:B:122:VAL:HG23	1:B:167:VAL:HG12	10	0.93
(1,1733)	1:B:122:VAL:HG23	1:B:167:VAL:HG13	10	0.93
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG11	19	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG12	19	0.93
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG13	19	0.93
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG11	20	0.93
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG12	20	0.93
(1,12)	1:A:63:VAL:H	1:A:63:VAL:HG13	20	0.93
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD11	20	0.92
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD12	20	0.92
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD13	20	0.92
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD11	20	0.92
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD12	20	0.92
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD13	20	0.92
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD11	20	0.92
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD12	20	0.92
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD13	20	0.92
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG11	7	0.92
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG12	7	0.92
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG13	7	0.92
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG11	7	0.92
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG12	7	0.92
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG13	7	0.92
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG11	7	0.92
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG12	7	0.92
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG13	7	0.92
(1,235)	1:A:24:VAL:HG21	1:A:29:GLN:HA	7	0.92
(1,235)	1:A:24:VAL:HG22	1:A:29:GLN:HA	7	0.92
(1,235)	1:A:24:VAL:HG23	1:A:29:GLN:HA	7	0.92
(1,1671)	1:B:156:THR:HA	1:B:111:LEU:HD21	19	0.92
(1,1671)	1:B:156:THR:HA	1:B:111:LEU:HD22	19	0.92
(1,1671)	1:B:156:THR:HA	1:B:111:LEU:HD23	19	0.92
(1,1624)	1:B:111:LEU:HD21	1:B:156:THR:HA	19	0.92
(1,1624)	1:B:111:LEU:HD22	1:B:156:THR:HA	19	0.92
(1,1624)	1:B:111:LEU:HD23	1:B:156:THR:HA	19	0.92
(1,1028)	1:A:22:LEU:HD21	1:A:70:LYS:HD2	17	0.92
(1,1028)	1:A:22:LEU:HD21	1:A:70:LYS:HD3	17	0.92
(1,1028)	1:A:22:LEU:HD22	1:A:70:LYS:HD2	17	0.92
(1,1028)	1:A:22:LEU:HD22	1:A:70:LYS:HD3	17	0.92
(1,1028)	1:A:22:LEU:HD23	1:A:70:LYS:HD2	17	0.92
(1,1028)	1:A:22:LEU:HD23	1:A:70:LYS:HD3	17	0.92
(1,1028)	1:A:22:LEU:HD21	1:A:70:LYS:HD2	18	0.92
(1,1028)	1:A:22:LEU:HD21	1:A:70:LYS:HD3	18	0.92
(1,1028)	1:A:22:LEU:HD22	1:A:70:LYS:HD2	18	0.92
(1,1028)	1:A:22:LEU:HD22	1:A:70:LYS:HD3	18	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1028)	1:A:22:LEU:HD23	1:A:70:LYS:HD2	18	0.92
(1,1028)	1:A:22:LEU:HD23	1:A:70:LYS:HD3	18	0.92
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA2	6	0.91
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA3	6	0.91
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA2	6	0.91
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA3	6	0.91
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA2	6	0.91
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA3	6	0.91
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD11	13	0.91
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD12	13	0.91
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD13	13	0.91
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD11	13	0.91
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD12	13	0.91
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD13	13	0.91
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD11	13	0.91
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD12	13	0.91
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD13	13	0.91
(1,2953)	1:B:167:VAL:HG21	1:B:126:GLU:H	9	0.91
(1,2953)	1:B:167:VAL:HG22	1:B:126:GLU:H	9	0.91
(1,2953)	1:B:167:VAL:HG23	1:B:126:GLU:H	9	0.91
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG21	9	0.91
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG22	9	0.91
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG23	9	0.91
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD11	2	0.91
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD12	2	0.91
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD13	2	0.91
(1,1730)	1:B:167:VAL:HG11	1:B:151:ILE:HG21	19	0.91
(1,1730)	1:B:167:VAL:HG11	1:B:151:ILE:HG22	19	0.91
(1,1730)	1:B:167:VAL:HG11	1:B:151:ILE:HG23	19	0.91
(1,1730)	1:B:167:VAL:HG12	1:B:151:ILE:HG21	19	0.91
(1,1730)	1:B:167:VAL:HG12	1:B:151:ILE:HG22	19	0.91
(1,1730)	1:B:167:VAL:HG12	1:B:151:ILE:HG23	19	0.91
(1,1730)	1:B:167:VAL:HG13	1:B:151:ILE:HG21	19	0.91
(1,1730)	1:B:167:VAL:HG13	1:B:151:ILE:HG22	19	0.91
(1,1730)	1:B:167:VAL:HG13	1:B:151:ILE:HG23	19	0.91
(1,704)	1:A:62:ILE:HG21	1:A:58:VAL:HG11	15	0.9
(1,704)	1:A:62:ILE:HG21	1:A:58:VAL:HG12	15	0.9
(1,704)	1:A:62:ILE:HG21	1:A:58:VAL:HG13	15	0.9
(1,704)	1:A:62:ILE:HG22	1:A:58:VAL:HG11	15	0.9
(1,704)	1:A:62:ILE:HG22	1:A:58:VAL:HG12	15	0.9
(1,704)	1:A:62:ILE:HG22	1:A:58:VAL:HG13	15	0.9
(1,704)	1:A:62:ILE:HG23	1:A:58:VAL:HG11	15	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,704)	1:A:62:ILE:HG23	1:A:58:VAL:HG12	15	0.9
(1,704)	1:A:62:ILE:HG23	1:A:58:VAL:HG13	15	0.9
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD11	1	0.9
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD12	1	0.9
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD13	1	0.9
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD11	1	0.9
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD12	1	0.9
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD13	1	0.9
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD11	1	0.9
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD12	1	0.9
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD13	1	0.9
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD11	12	0.9
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD12	12	0.9
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD13	12	0.9
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD11	12	0.9
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD12	12	0.9
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD13	12	0.9
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD11	12	0.9
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD12	12	0.9
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD13	12	0.9
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD11	18	0.9
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD12	18	0.9
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD13	18	0.9
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD11	18	0.9
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD12	18	0.9
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD13	18	0.9
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD11	18	0.9
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD12	18	0.9
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD13	18	0.9
(1,2804)	1:B:113:VAL:HG11	1:B:113:VAL:H	15	0.9
(1,2804)	1:B:113:VAL:HG12	1:B:113:VAL:H	15	0.9
(1,2804)	1:B:113:VAL:HG13	1:B:113:VAL:H	15	0.9
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD11	14	0.9
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD12	14	0.9
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD13	14	0.9
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD11	14	0.9
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD12	14	0.9
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD13	14	0.9
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD11	14	0.9
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD12	14	0.9
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD13	14	0.9
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG11	2	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG12	2	0.9
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG13	2	0.9
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG11	2	0.9
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG12	2	0.9
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG13	2	0.9
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG11	2	0.9
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG12	2	0.9
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG13	2	0.9
(1,164)	1:A:78:VAL:HG11	1:A:62:ILE:HG21	12	0.9
(1,164)	1:A:78:VAL:HG11	1:A:62:ILE:HG22	12	0.9
(1,164)	1:A:78:VAL:HG11	1:A:62:ILE:HG23	12	0.9
(1,164)	1:A:78:VAL:HG12	1:A:62:ILE:HG21	12	0.9
(1,164)	1:A:78:VAL:HG12	1:A:62:ILE:HG22	12	0.9
(1,164)	1:A:78:VAL:HG12	1:A:62:ILE:HG23	12	0.9
(1,164)	1:A:78:VAL:HG13	1:A:62:ILE:HG21	12	0.9
(1,164)	1:A:78:VAL:HG13	1:A:62:ILE:HG22	12	0.9
(1,164)	1:A:78:VAL:HG13	1:A:62:ILE:HG23	12	0.9
(1,1576)	1:B:113:VAL:H	1:B:113:VAL:HG11	15	0.9
(1,1576)	1:B:113:VAL:H	1:B:113:VAL:HG12	15	0.9
(1,1576)	1:B:113:VAL:H	1:B:113:VAL:HG13	15	0.9
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA2	3	0.89
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA3	3	0.89
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA2	3	0.89
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA3	3	0.89
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA2	3	0.89
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA3	3	0.89
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA2	18	0.89
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA3	18	0.89
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA2	18	0.89
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA3	18	0.89
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA2	18	0.89
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA3	18	0.89
(1,731)	1:A:55:ILE:HD11	1:A:33:VAL:HG21	12	0.89
(1,731)	1:A:55:ILE:HD11	1:A:33:VAL:HG22	12	0.89
(1,731)	1:A:55:ILE:HD11	1:A:33:VAL:HG23	12	0.89
(1,731)	1:A:55:ILE:HD12	1:A:33:VAL:HG21	12	0.89
(1,731)	1:A:55:ILE:HD12	1:A:33:VAL:HG22	12	0.89
(1,731)	1:A:55:ILE:HD12	1:A:33:VAL:HG23	12	0.89
(1,731)	1:A:55:ILE:HD13	1:A:33:VAL:HG21	12	0.89
(1,731)	1:A:55:ILE:HD13	1:A:33:VAL:HG22	12	0.89
(1,731)	1:A:55:ILE:HD13	1:A:33:VAL:HG23	12	0.89
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD11	3	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD12	3	0.89
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD13	3	0.89
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD11	7	0.89
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD12	7	0.89
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD13	7	0.89
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD11	7	0.89
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD12	7	0.89
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD13	7	0.89
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD11	7	0.89
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD12	7	0.89
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD13	7	0.89
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG11	6	0.89
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG12	6	0.89
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG13	6	0.89
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG11	14	0.89
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG12	14	0.89
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG13	14	0.89
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG11	14	0.89
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG12	14	0.89
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG13	14	0.89
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG11	14	0.89
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG12	14	0.89
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG13	14	0.89
(1,1499)	1:A:22:LEU:HD11	1:A:23:ALA:H	3	0.89
(1,1499)	1:A:22:LEU:HD12	1:A:23:ALA:H	3	0.89
(1,1499)	1:A:22:LEU:HD13	1:A:23:ALA:H	3	0.89
(1,247)	1:A:22:LEU:HD21	1:A:70:LYS:HA	15	0.88
(1,247)	1:A:22:LEU:HD22	1:A:70:LYS:HA	15	0.88
(1,247)	1:A:22:LEU:HD23	1:A:70:LYS:HA	15	0.88
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG11	9	0.88
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG12	9	0.88
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG13	9	0.88
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG11	9	0.88
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG12	9	0.88
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG13	9	0.88
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG11	9	0.88
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG12	9	0.88
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG13	9	0.88
(1,1707)	1:B:144:ILE:HG12	1:B:122:VAL:HG21	5	0.88
(1,1707)	1:B:144:ILE:HG12	1:B:122:VAL:HG22	5	0.88
(1,1707)	1:B:144:ILE:HG12	1:B:122:VAL:HG23	5	0.88
(1,1707)	1:B:144:ILE:HG13	1:B:122:VAL:HG21	5	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1707)	1:B:144:ILE:HG13	1:B:122:VAL:HG22	5	0.88
(1,1707)	1:B:144:ILE:HG13	1:B:122:VAL:HG23	5	0.88
(1,164)	1:A:78:VAL:HG11	1:A:62:ILE:HG21	2	0.88
(1,164)	1:A:78:VAL:HG11	1:A:62:ILE:HG22	2	0.88
(1,164)	1:A:78:VAL:HG11	1:A:62:ILE:HG23	2	0.88
(1,164)	1:A:78:VAL:HG12	1:A:62:ILE:HG21	2	0.88
(1,164)	1:A:78:VAL:HG12	1:A:62:ILE:HG22	2	0.88
(1,164)	1:A:78:VAL:HG12	1:A:62:ILE:HG23	2	0.88
(1,164)	1:A:78:VAL:HG13	1:A:62:ILE:HG21	2	0.88
(1,164)	1:A:78:VAL:HG13	1:A:62:ILE:HG22	2	0.88
(1,164)	1:A:78:VAL:HG13	1:A:62:ILE:HG23	2	0.88
(1,15)	1:A:58:VAL:H	1:A:58:VAL:HG21	7	0.88
(1,15)	1:A:58:VAL:H	1:A:58:VAL:HG22	7	0.88
(1,15)	1:A:58:VAL:H	1:A:58:VAL:HG23	7	0.88
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA2	7	0.87
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA3	7	0.87
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA2	7	0.87
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA3	7	0.87
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA2	7	0.87
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA3	7	0.87
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG11	19	0.87
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG12	19	0.87
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG13	19	0.87
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG11	19	0.87
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG12	19	0.87
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG13	19	0.87
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG11	11	0.87
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG12	11	0.87
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG13	11	0.87
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG11	15	0.87
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG12	15	0.87
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG13	15	0.87
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD11	11	0.87
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD12	11	0.87
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD13	11	0.87
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG21	16	0.87
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG22	16	0.87
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG23	16	0.87
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG21	16	0.87
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG22	16	0.87
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG23	16	0.87
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG21	16	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG22	16	0.87
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG23	16	0.87
(1,141)	1:A:55:ILE:HG12	1:A:33:VAL:HG21	11	0.87
(1,141)	1:A:55:ILE:HG12	1:A:33:VAL:HG22	11	0.87
(1,141)	1:A:55:ILE:HG12	1:A:33:VAL:HG23	11	0.87
(1,141)	1:A:55:ILE:HG13	1:A:33:VAL:HG21	11	0.87
(1,141)	1:A:55:ILE:HG13	1:A:33:VAL:HG22	11	0.87
(1,141)	1:A:55:ILE:HG13	1:A:33:VAL:HG23	11	0.87
(1,1028)	1:A:22:LEU:HD21	1:A:70:LYS:HD2	15	0.87
(1,1028)	1:A:22:LEU:HD21	1:A:70:LYS:HD3	15	0.87
(1,1028)	1:A:22:LEU:HD22	1:A:70:LYS:HD2	15	0.87
(1,1028)	1:A:22:LEU:HD22	1:A:70:LYS:HD3	15	0.87
(1,1028)	1:A:22:LEU:HD23	1:A:70:LYS:HD2	15	0.87
(1,1028)	1:A:22:LEU:HD23	1:A:70:LYS:HD3	15	0.87
(1,1023)	1:A:22:LEU:HD21	1:A:70:LYS:HB2	5	0.87
(1,1023)	1:A:22:LEU:HD21	1:A:70:LYS:HB3	5	0.87
(1,1023)	1:A:22:LEU:HD22	1:A:70:LYS:HB2	5	0.87
(1,1023)	1:A:22:LEU:HD22	1:A:70:LYS:HB3	5	0.87
(1,1023)	1:A:22:LEU:HD23	1:A:70:LYS:HB2	5	0.87
(1,1023)	1:A:22:LEU:HD23	1:A:70:LYS:HB3	5	0.87
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA2	9	0.86
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA3	9	0.86
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA2	9	0.86
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA3	9	0.86
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA2	9	0.86
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA3	9	0.86
(1,2297)	1:B:144:ILE:HD11	1:B:122:VAL:HG21	11	0.86
(1,2297)	1:B:144:ILE:HD11	1:B:122:VAL:HG22	11	0.86
(1,2297)	1:B:144:ILE:HD11	1:B:122:VAL:HG23	11	0.86
(1,2297)	1:B:144:ILE:HD12	1:B:122:VAL:HG21	11	0.86
(1,2297)	1:B:144:ILE:HD12	1:B:122:VAL:HG22	11	0.86
(1,2297)	1:B:144:ILE:HD12	1:B:122:VAL:HG23	11	0.86
(1,2297)	1:B:144:ILE:HD13	1:B:122:VAL:HG21	11	0.86
(1,2297)	1:B:144:ILE:HD13	1:B:122:VAL:HG22	11	0.86
(1,2297)	1:B:144:ILE:HD13	1:B:122:VAL:HG23	11	0.86
(1,1813)	1:B:111:LEU:HD21	1:B:159:LYS:HA	17	0.86
(1,1813)	1:B:111:LEU:HD22	1:B:159:LYS:HA	17	0.86
(1,1813)	1:B:111:LEU:HD23	1:B:159:LYS:HA	17	0.86
(1,141)	1:A:55:ILE:HG12	1:A:33:VAL:HG21	3	0.86
(1,141)	1:A:55:ILE:HG12	1:A:33:VAL:HG22	3	0.86
(1,141)	1:A:55:ILE:HG12	1:A:33:VAL:HG23	3	0.86
(1,141)	1:A:55:ILE:HG13	1:A:33:VAL:HG21	3	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,141)	1:A:55:ILE:HG13	1:A:33:VAL:HG22	3	0.86
(1,141)	1:A:55:ILE:HG13	1:A:33:VAL:HG23	3	0.86
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD11	16	0.85
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD12	16	0.85
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD13	16	0.85
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD11	16	0.85
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD12	16	0.85
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD13	16	0.85
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD11	16	0.85
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD12	16	0.85
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD13	16	0.85
(1,2594)	1:B:111:LEU:HD21	1:B:159:LYS:HD2	15	0.85
(1,2594)	1:B:111:LEU:HD21	1:B:159:LYS:HD3	15	0.85
(1,2594)	1:B:111:LEU:HD22	1:B:159:LYS:HD2	15	0.85
(1,2594)	1:B:111:LEU:HD22	1:B:159:LYS:HD3	15	0.85
(1,2594)	1:B:111:LEU:HD23	1:B:159:LYS:HD2	15	0.85
(1,2594)	1:B:111:LEU:HD23	1:B:159:LYS:HD3	15	0.85
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG11	15	0.85
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG12	15	0.85
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG13	15	0.85
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG11	15	0.85
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG12	15	0.85
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG13	15	0.85
(1,2464)	1:B:113:VAL:HG21	1:B:115:GLU:HA	17	0.85
(1,2464)	1:B:113:VAL:HG22	1:B:115:GLU:HA	17	0.85
(1,2464)	1:B:113:VAL:HG23	1:B:115:GLU:HA	17	0.85
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD11	3	0.85
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD12	3	0.85
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD13	3	0.85
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG11	11	0.85
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG12	11	0.85
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG13	11	0.85
(1,1730)	1:B:167:VAL:HG11	1:B:151:ILE:HG21	9	0.85
(1,1730)	1:B:167:VAL:HG11	1:B:151:ILE:HG22	9	0.85
(1,1730)	1:B:167:VAL:HG11	1:B:151:ILE:HG23	9	0.85
(1,1730)	1:B:167:VAL:HG12	1:B:151:ILE:HG21	9	0.85
(1,1730)	1:B:167:VAL:HG12	1:B:151:ILE:HG22	9	0.85
(1,1730)	1:B:167:VAL:HG12	1:B:151:ILE:HG23	9	0.85
(1,1730)	1:B:167:VAL:HG13	1:B:151:ILE:HG21	9	0.85
(1,1730)	1:B:167:VAL:HG13	1:B:151:ILE:HG22	9	0.85
(1,1730)	1:B:167:VAL:HG13	1:B:151:ILE:HG23	9	0.85
(1,1028)	1:A:22:LEU:HD21	1:A:70:LYS:HD2	4	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1028)	1:A:22:LEU:HD21	1:A:70:LYS:HD3	4	0.85
(1,1028)	1:A:22:LEU:HD22	1:A:70:LYS:HD2	4	0.85
(1,1028)	1:A:22:LEU:HD22	1:A:70:LYS:HD3	4	0.85
(1,1028)	1:A:22:LEU:HD23	1:A:70:LYS:HD2	4	0.85
(1,1028)	1:A:22:LEU:HD23	1:A:70:LYS:HD3	4	0.85
(1,1028)	1:A:22:LEU:HD21	1:A:70:LYS:HD2	14	0.85
(1,1028)	1:A:22:LEU:HD21	1:A:70:LYS:HD3	14	0.85
(1,1028)	1:A:22:LEU:HD22	1:A:70:LYS:HD2	14	0.85
(1,1028)	1:A:22:LEU:HD22	1:A:70:LYS:HD3	14	0.85
(1,1028)	1:A:22:LEU:HD23	1:A:70:LYS:HD2	14	0.85
(1,1028)	1:A:22:LEU:HD23	1:A:70:LYS:HD3	14	0.85
(1,731)	1:A:55:ILE:HD11	1:A:33:VAL:HG21	11	0.84
(1,731)	1:A:55:ILE:HD11	1:A:33:VAL:HG22	11	0.84
(1,731)	1:A:55:ILE:HD11	1:A:33:VAL:HG23	11	0.84
(1,731)	1:A:55:ILE:HD12	1:A:33:VAL:HG21	11	0.84
(1,731)	1:A:55:ILE:HD12	1:A:33:VAL:HG22	11	0.84
(1,731)	1:A:55:ILE:HD12	1:A:33:VAL:HG23	11	0.84
(1,731)	1:A:55:ILE:HD13	1:A:33:VAL:HG21	11	0.84
(1,731)	1:A:55:ILE:HD13	1:A:33:VAL:HG22	11	0.84
(1,731)	1:A:55:ILE:HD13	1:A:33:VAL:HG23	11	0.84
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG21	11	0.84
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG22	11	0.84
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG23	11	0.84
(1,704)	1:A:62:ILE:HG21	1:A:58:VAL:HG11	3	0.84
(1,704)	1:A:62:ILE:HG21	1:A:58:VAL:HG12	3	0.84
(1,704)	1:A:62:ILE:HG21	1:A:58:VAL:HG13	3	0.84
(1,704)	1:A:62:ILE:HG22	1:A:58:VAL:HG11	3	0.84
(1,704)	1:A:62:ILE:HG22	1:A:58:VAL:HG12	3	0.84
(1,704)	1:A:62:ILE:HG22	1:A:58:VAL:HG13	3	0.84
(1,704)	1:A:62:ILE:HG23	1:A:58:VAL:HG11	3	0.84
(1,704)	1:A:62:ILE:HG23	1:A:58:VAL:HG12	3	0.84
(1,704)	1:A:62:ILE:HG23	1:A:58:VAL:HG13	3	0.84
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG11	4	0.84
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG12	4	0.84
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG13	4	0.84
(1,2953)	1:B:167:VAL:HG21	1:B:126:GLU:H	6	0.84
(1,2953)	1:B:167:VAL:HG22	1:B:126:GLU:H	6	0.84
(1,2953)	1:B:167:VAL:HG23	1:B:126:GLU:H	6	0.84
(1,2594)	1:B:111:LEU:HD21	1:B:159:LYS:HD2	17	0.84
(1,2594)	1:B:111:LEU:HD21	1:B:159:LYS:HD3	17	0.84
(1,2594)	1:B:111:LEU:HD22	1:B:159:LYS:HD2	17	0.84
(1,2594)	1:B:111:LEU:HD22	1:B:159:LYS:HD3	17	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2594)	1:B:111:LEU:HD23	1:B:159:LYS:HD2	17	0.84
(1,2594)	1:B:111:LEU:HD23	1:B:159:LYS:HD3	17	0.84
(1,247)	1:A:22:LEU:HD21	1:A:70:LYS:HA	13	0.84
(1,247)	1:A:22:LEU:HD22	1:A:70:LYS:HA	13	0.84
(1,247)	1:A:22:LEU:HD23	1:A:70:LYS:HA	13	0.84
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG21	6	0.84
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG22	6	0.84
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG23	6	0.84
(1,2264)	1:B:118:GLN:HG2	1:B:152:VAL:HG11	2	0.84
(1,2264)	1:B:118:GLN:HG2	1:B:152:VAL:HG12	2	0.84
(1,2264)	1:B:118:GLN:HG2	1:B:152:VAL:HG13	2	0.84
(1,2264)	1:B:118:GLN:HG3	1:B:152:VAL:HG11	2	0.84
(1,2264)	1:B:118:GLN:HG3	1:B:152:VAL:HG12	2	0.84
(1,2264)	1:B:118:GLN:HG3	1:B:152:VAL:HG13	2	0.84
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG11	10	0.84
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG12	10	0.84
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG13	10	0.84
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG21	5	0.84
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG22	5	0.84
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG23	5	0.84
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG21	5	0.84
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG22	5	0.84
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG23	5	0.84
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG21	5	0.84
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG22	5	0.84
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG23	5	0.84
(1,171)	1:A:33:VAL:HG21	1:A:58:VAL:HB	11	0.84
(1,171)	1:A:33:VAL:HG22	1:A:58:VAL:HB	11	0.84
(1,171)	1:A:33:VAL:HG23	1:A:58:VAL:HB	11	0.84
(1,15)	1:A:58:VAL:H	1:A:58:VAL:HG21	4	0.84
(1,15)	1:A:58:VAL:H	1:A:58:VAL:HG22	4	0.84
(1,15)	1:A:58:VAL:H	1:A:58:VAL:HG23	4	0.84
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG21	14	0.83
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG22	14	0.83
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG23	14	0.83
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG21	14	0.83
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG22	14	0.83
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG23	14	0.83
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG21	14	0.83
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG22	14	0.83
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG23	14	0.83
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD11	10	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD12	10	0.83
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD13	10	0.83
(1,698)	1:A:29:GLN:HG2	1:A:63:VAL:HG11	11	0.83
(1,698)	1:A:29:GLN:HG2	1:A:63:VAL:HG12	11	0.83
(1,698)	1:A:29:GLN:HG2	1:A:63:VAL:HG13	11	0.83
(1,698)	1:A:29:GLN:HG3	1:A:63:VAL:HG11	11	0.83
(1,698)	1:A:29:GLN:HG3	1:A:63:VAL:HG12	11	0.83
(1,698)	1:A:29:GLN:HG3	1:A:63:VAL:HG13	11	0.83
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG11	16	0.83
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG12	16	0.83
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG13	16	0.83
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG11	18	0.83
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG12	18	0.83
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG13	18	0.83
(1,3065)	1:B:111:LEU:HD11	1:B:112:ALA:H	2	0.83
(1,3065)	1:B:111:LEU:HD12	1:B:112:ALA:H	2	0.83
(1,3065)	1:B:111:LEU:HD13	1:B:112:ALA:H	2	0.83
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA2	20	0.83
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA3	20	0.83
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA2	20	0.83
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA3	20	0.83
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA2	20	0.83
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA3	20	0.83
(1,247)	1:A:22:LEU:HD21	1:A:70:LYS:HA	18	0.83
(1,247)	1:A:22:LEU:HD22	1:A:70:LYS:HA	18	0.83
(1,247)	1:A:22:LEU:HD23	1:A:70:LYS:HA	18	0.83
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD11	2	0.83
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD12	2	0.83
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD13	2	0.83
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD11	2	0.83
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD12	2	0.83
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD13	2	0.83
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG11	16	0.83
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG12	16	0.83
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG13	16	0.83
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG11	16	0.83
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG12	16	0.83
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG13	16	0.83
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG11	16	0.83
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG12	16	0.83
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG13	16	0.83
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG11	18	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG12	18	0.83
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG13	18	0.83
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG11	18	0.83
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG12	18	0.83
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG13	18	0.83
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG11	18	0.83
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG12	18	0.83
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG13	18	0.83
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG11	20	0.83
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG12	20	0.83
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG13	20	0.83
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG11	20	0.83
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG12	20	0.83
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG13	20	0.83
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG11	20	0.83
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG12	20	0.83
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG13	20	0.83
(1,2190)	1:B:111:LEU:HD21	1:B:159:LYS:HG2	12	0.83
(1,2190)	1:B:111:LEU:HD21	1:B:159:LYS:HG3	12	0.83
(1,2190)	1:B:111:LEU:HD22	1:B:159:LYS:HG2	12	0.83
(1,2190)	1:B:111:LEU:HD22	1:B:159:LYS:HG3	12	0.83
(1,2190)	1:B:111:LEU:HD23	1:B:159:LYS:HG2	12	0.83
(1,2190)	1:B:111:LEU:HD23	1:B:159:LYS:HG3	12	0.83
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG21	18	0.83
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG22	18	0.83
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG23	18	0.83
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG21	18	0.83
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG22	18	0.83
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG23	18	0.83
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG21	18	0.83
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG22	18	0.83
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG23	18	0.83
(1,167)	1:A:33:VAL:HG21	1:A:78:VAL:HG11	4	0.83
(1,167)	1:A:33:VAL:HG21	1:A:78:VAL:HG12	4	0.83
(1,167)	1:A:33:VAL:HG21	1:A:78:VAL:HG13	4	0.83
(1,167)	1:A:33:VAL:HG22	1:A:78:VAL:HG11	4	0.83
(1,167)	1:A:33:VAL:HG22	1:A:78:VAL:HG12	4	0.83
(1,167)	1:A:33:VAL:HG22	1:A:78:VAL:HG13	4	0.83
(1,167)	1:A:33:VAL:HG23	1:A:78:VAL:HG11	4	0.83
(1,167)	1:A:33:VAL:HG23	1:A:78:VAL:HG12	4	0.83
(1,167)	1:A:33:VAL:HG23	1:A:78:VAL:HG13	4	0.83
(1,1499)	1:A:22:LEU:HD11	1:A:23:ALA:H	10	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1499)	1:A:22:LEU:HD12	1:A:23:ALA:H	10	0.83
(1,1499)	1:A:22:LEU:HD13	1:A:23:ALA:H	10	0.83
(1,141)	1:A:55:ILE:HG12	1:A:33:VAL:HG21	12	0.83
(1,141)	1:A:55:ILE:HG12	1:A:33:VAL:HG22	12	0.83
(1,141)	1:A:55:ILE:HG12	1:A:33:VAL:HG23	12	0.83
(1,141)	1:A:55:ILE:HG13	1:A:33:VAL:HG21	12	0.83
(1,141)	1:A:55:ILE:HG13	1:A:33:VAL:HG22	12	0.83
(1,141)	1:A:55:ILE:HG13	1:A:33:VAL:HG23	12	0.83
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD11	8	0.82
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD12	8	0.82
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD13	8	0.82
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD11	8	0.82
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD12	8	0.82
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD13	8	0.82
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD11	8	0.82
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD12	8	0.82
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD13	8	0.82
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG11	17	0.82
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG12	17	0.82
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG13	17	0.82
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD11	6	0.82
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD12	6	0.82
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD13	6	0.82
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD11	6	0.82
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD12	6	0.82
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD13	6	0.82
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD11	6	0.82
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD12	6	0.82
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD13	6	0.82
(1,2236)	1:B:128:LEU:HD11	1:B:131:LYS:HG2	11	0.82
(1,2236)	1:B:128:LEU:HD11	1:B:131:LYS:HG3	11	0.82
(1,2236)	1:B:128:LEU:HD12	1:B:131:LYS:HG2	11	0.82
(1,2236)	1:B:128:LEU:HD12	1:B:131:LYS:HG3	11	0.82
(1,2236)	1:B:128:LEU:HD13	1:B:131:LYS:HG2	11	0.82
(1,2236)	1:B:128:LEU:HD13	1:B:131:LYS:HG3	11	0.82
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD11	1	0.81
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD12	1	0.81
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD13	1	0.81
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD11	20	0.81
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD12	20	0.81
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD13	20	0.81
(1,2594)	1:B:111:LEU:HD21	1:B:159:LYS:HD2	14	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2594)	1:B:111:LEU:HD21	1:B:159:LYS:HD3	14	0.81
(1,2594)	1:B:111:LEU:HD22	1:B:159:LYS:HD2	14	0.81
(1,2594)	1:B:111:LEU:HD22	1:B:159:LYS:HD3	14	0.81
(1,2594)	1:B:111:LEU:HD23	1:B:159:LYS:HD2	14	0.81
(1,2594)	1:B:111:LEU:HD23	1:B:159:LYS:HD3	14	0.81
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA2	3	0.81
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA3	3	0.81
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA2	3	0.81
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA3	3	0.81
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA2	3	0.81
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA3	3	0.81
(1,1671)	1:B:156:THR:HA	1:B:111:LEU:HD21	8	0.81
(1,1671)	1:B:156:THR:HA	1:B:111:LEU:HD22	8	0.81
(1,1671)	1:B:156:THR:HA	1:B:111:LEU:HD23	8	0.81
(1,1624)	1:B:111:LEU:HD21	1:B:156:THR:HA	8	0.81
(1,1624)	1:B:111:LEU:HD22	1:B:156:THR:HA	8	0.81
(1,1624)	1:B:111:LEU:HD23	1:B:156:THR:HA	8	0.81
(1,993)	1:A:61:ALA:HB1	1:A:58:VAL:HG21	5	0.8
(1,993)	1:A:61:ALA:HB1	1:A:58:VAL:HG22	5	0.8
(1,993)	1:A:61:ALA:HB1	1:A:58:VAL:HG23	5	0.8
(1,993)	1:A:61:ALA:HB2	1:A:58:VAL:HG21	5	0.8
(1,993)	1:A:61:ALA:HB2	1:A:58:VAL:HG22	5	0.8
(1,993)	1:A:61:ALA:HB2	1:A:58:VAL:HG23	5	0.8
(1,993)	1:A:61:ALA:HB3	1:A:58:VAL:HG21	5	0.8
(1,993)	1:A:61:ALA:HB3	1:A:58:VAL:HG22	5	0.8
(1,993)	1:A:61:ALA:HB3	1:A:58:VAL:HG23	5	0.8
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA2	11	0.8
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA3	11	0.8
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA2	11	0.8
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA3	11	0.8
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA2	11	0.8
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA3	11	0.8
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD11	17	0.8
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD12	17	0.8
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD13	17	0.8
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG21	9	0.8
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG22	9	0.8
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG23	9	0.8
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA2	14	0.8
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA3	14	0.8
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA2	14	0.8
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA3	14	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA2	14	0.8
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA3	14	0.8
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA2	18	0.8
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA3	18	0.8
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA2	18	0.8
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA3	18	0.8
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA2	18	0.8
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA3	18	0.8
(1,247)	1:A:22:LEU:HD21	1:A:70:LYS:HA	14	0.8
(1,247)	1:A:22:LEU:HD22	1:A:70:LYS:HA	14	0.8
(1,247)	1:A:22:LEU:HD23	1:A:70:LYS:HA	14	0.8
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG21	5	0.8
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG22	5	0.8
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG23	5	0.8
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG21	5	0.8
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG22	5	0.8
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG23	5	0.8
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG21	5	0.8
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG22	5	0.8
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG23	5	0.8
(1,1801)	1:B:113:VAL:HG21	1:B:118:GLN:HA	2	0.8
(1,1801)	1:B:113:VAL:HG22	1:B:118:GLN:HA	2	0.8
(1,1801)	1:B:113:VAL:HG23	1:B:118:GLN:HA	2	0.8
(1,1707)	1:B:144:ILE:HG12	1:B:122:VAL:HG21	11	0.8
(1,1707)	1:B:144:ILE:HG12	1:B:122:VAL:HG22	11	0.8
(1,1707)	1:B:144:ILE:HG12	1:B:122:VAL:HG23	11	0.8
(1,1707)	1:B:144:ILE:HG13	1:B:122:VAL:HG21	11	0.8
(1,1707)	1:B:144:ILE:HG13	1:B:122:VAL:HG22	11	0.8
(1,1707)	1:B:144:ILE:HG13	1:B:122:VAL:HG23	11	0.8
(1,1387)	1:A:78:VAL:HG21	1:A:37:GLU:H	9	0.8
(1,1387)	1:A:78:VAL:HG22	1:A:37:GLU:H	9	0.8
(1,1387)	1:A:78:VAL:HG23	1:A:37:GLU:H	9	0.8
(1,993)	1:A:61:ALA:HB1	1:A:58:VAL:HG21	6	0.79
(1,993)	1:A:61:ALA:HB1	1:A:58:VAL:HG22	6	0.79
(1,993)	1:A:61:ALA:HB1	1:A:58:VAL:HG23	6	0.79
(1,993)	1:A:61:ALA:HB2	1:A:58:VAL:HG21	6	0.79
(1,993)	1:A:61:ALA:HB2	1:A:58:VAL:HG22	6	0.79
(1,993)	1:A:61:ALA:HB2	1:A:58:VAL:HG23	6	0.79
(1,993)	1:A:61:ALA:HB3	1:A:58:VAL:HG21	6	0.79
(1,993)	1:A:61:ALA:HB3	1:A:58:VAL:HG22	6	0.79
(1,993)	1:A:61:ALA:HB3	1:A:58:VAL:HG23	6	0.79
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA2	4	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA3	4	0.79
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA2	4	0.79
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA3	4	0.79
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA2	4	0.79
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA3	4	0.79
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD11	4	0.79
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD12	4	0.79
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD13	4	0.79
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD11	5	0.79
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD12	5	0.79
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD13	5	0.79
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG21	20	0.79
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG22	20	0.79
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG23	20	0.79
(1,703)	1:A:61:ALA:HB1	1:A:58:VAL:HG11	7	0.79
(1,703)	1:A:61:ALA:HB1	1:A:58:VAL:HG12	7	0.79
(1,703)	1:A:61:ALA:HB1	1:A:58:VAL:HG13	7	0.79
(1,703)	1:A:61:ALA:HB2	1:A:58:VAL:HG11	7	0.79
(1,703)	1:A:61:ALA:HB2	1:A:58:VAL:HG12	7	0.79
(1,703)	1:A:61:ALA:HB2	1:A:58:VAL:HG13	7	0.79
(1,703)	1:A:61:ALA:HB3	1:A:58:VAL:HG11	7	0.79
(1,703)	1:A:61:ALA:HB3	1:A:58:VAL:HG12	7	0.79
(1,703)	1:A:61:ALA:HB3	1:A:58:VAL:HG13	7	0.79
(1,2589)	1:B:111:LEU:HD21	1:B:159:LYS:HB2	19	0.79
(1,2589)	1:B:111:LEU:HD21	1:B:159:LYS:HB3	19	0.79
(1,2589)	1:B:111:LEU:HD22	1:B:159:LYS:HB2	19	0.79
(1,2589)	1:B:111:LEU:HD22	1:B:159:LYS:HB3	19	0.79
(1,2589)	1:B:111:LEU:HD23	1:B:159:LYS:HB2	19	0.79
(1,2589)	1:B:111:LEU:HD23	1:B:159:LYS:HB3	19	0.79
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG11	9	0.79
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG12	9	0.79
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG13	9	0.79
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG11	9	0.79
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG12	9	0.79
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG13	9	0.79
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD11	15	0.79
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD12	15	0.79
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD13	15	0.79
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG21	13	0.79
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG22	13	0.79
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG23	13	0.79
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG21	13	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG22	13	0.79
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG23	13	0.79
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG21	13	0.79
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG22	13	0.79
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG23	13	0.79
(1,167)	1:A:33:VAL:HG21	1:A:78:VAL:HG11	17	0.79
(1,167)	1:A:33:VAL:HG21	1:A:78:VAL:HG12	17	0.79
(1,167)	1:A:33:VAL:HG21	1:A:78:VAL:HG13	17	0.79
(1,167)	1:A:33:VAL:HG22	1:A:78:VAL:HG11	17	0.79
(1,167)	1:A:33:VAL:HG22	1:A:78:VAL:HG12	17	0.79
(1,167)	1:A:33:VAL:HG22	1:A:78:VAL:HG13	17	0.79
(1,167)	1:A:33:VAL:HG23	1:A:78:VAL:HG11	17	0.79
(1,167)	1:A:33:VAL:HG23	1:A:78:VAL:HG12	17	0.79
(1,167)	1:A:33:VAL:HG23	1:A:78:VAL:HG13	17	0.79
(1,1387)	1:A:78:VAL:HG21	1:A:37:GLU:H	20	0.79
(1,1387)	1:A:78:VAL:HG22	1:A:37:GLU:H	20	0.79
(1,1387)	1:A:78:VAL:HG23	1:A:37:GLU:H	20	0.79
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA2	20	0.78
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA3	20	0.78
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA2	20	0.78
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA3	20	0.78
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA2	20	0.78
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA3	20	0.78
(1,898)	1:A:24:VAL:HG21	1:A:26:GLU:HA	4	0.78
(1,898)	1:A:24:VAL:HG22	1:A:26:GLU:HA	4	0.78
(1,898)	1:A:24:VAL:HG23	1:A:26:GLU:HA	4	0.78
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD11	10	0.78
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD12	10	0.78
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD13	10	0.78
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG11	5	0.78
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG12	5	0.78
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG13	5	0.78
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG11	5	0.78
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG12	5	0.78
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG13	5	0.78
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG11	5	0.78
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG12	5	0.78
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG13	5	0.78
(1,2264)	1:B:118:GLN:HG2	1:B:152:VAL:HG11	19	0.78
(1,2264)	1:B:118:GLN:HG2	1:B:152:VAL:HG12	19	0.78
(1,2264)	1:B:118:GLN:HG2	1:B:152:VAL:HG13	19	0.78
(1,2264)	1:B:118:GLN:HG3	1:B:152:VAL:HG11	19	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2264)	1:B:118:GLN:HG3	1:B:152:VAL:HG12	19	0.78
(1,2264)	1:B:118:GLN:HG3	1:B:152:VAL:HG13	19	0.78
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG11	4	0.78
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG12	4	0.78
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG13	4	0.78
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG11	4	0.78
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG12	4	0.78
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG13	4	0.78
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG11	4	0.78
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG12	4	0.78
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG13	4	0.78
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG21	19	0.78
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG22	19	0.78
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG23	19	0.78
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG21	19	0.78
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG22	19	0.78
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG23	19	0.78
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG21	19	0.78
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG22	19	0.78
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG23	19	0.78
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA2	9	0.77
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA3	9	0.77
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA2	9	0.77
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA3	9	0.77
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA2	9	0.77
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA3	9	0.77
(1,731)	1:A:55:ILE:HD11	1:A:33:VAL:HG21	9	0.77
(1,731)	1:A:55:ILE:HD11	1:A:33:VAL:HG22	9	0.77
(1,731)	1:A:55:ILE:HD11	1:A:33:VAL:HG23	9	0.77
(1,731)	1:A:55:ILE:HD12	1:A:33:VAL:HG21	9	0.77
(1,731)	1:A:55:ILE:HD12	1:A:33:VAL:HG22	9	0.77
(1,731)	1:A:55:ILE:HD12	1:A:33:VAL:HG23	9	0.77
(1,731)	1:A:55:ILE:HD13	1:A:33:VAL:HG21	9	0.77
(1,731)	1:A:55:ILE:HD13	1:A:33:VAL:HG22	9	0.77
(1,731)	1:A:55:ILE:HD13	1:A:33:VAL:HG23	9	0.77
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD11	7	0.77
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD12	7	0.77
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD13	7	0.77
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD11	13	0.77
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD12	13	0.77
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD13	13	0.77
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG11	7	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG12	7	0.77
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG13	7	0.77
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA2	19	0.77
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA3	19	0.77
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA2	19	0.77
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA3	19	0.77
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA2	19	0.77
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA3	19	0.77
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD11	14	0.77
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD12	14	0.77
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD13	14	0.77
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB1	7	0.77
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB2	7	0.77
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB3	7	0.77
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB1	7	0.77
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB2	7	0.77
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB3	7	0.77
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB1	7	0.77
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB2	7	0.77
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB3	7	0.77
(1,2264)	1:B:118:GLN:HG2	1:B:152:VAL:HG11	8	0.77
(1,2264)	1:B:118:GLN:HG2	1:B:152:VAL:HG12	8	0.77
(1,2264)	1:B:118:GLN:HG2	1:B:152:VAL:HG13	8	0.77
(1,2264)	1:B:118:GLN:HG3	1:B:152:VAL:HG11	8	0.77
(1,2264)	1:B:118:GLN:HG3	1:B:152:VAL:HG12	8	0.77
(1,2264)	1:B:118:GLN:HG3	1:B:152:VAL:HG13	8	0.77
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG11	10	0.77
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG12	10	0.77
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG13	10	0.77
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG11	10	0.77
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG12	10	0.77
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG13	10	0.77
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG11	7	0.77
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG12	7	0.77
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG13	7	0.77
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG11	7	0.77
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG12	7	0.77
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG13	7	0.77
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG11	7	0.77
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG12	7	0.77
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG13	7	0.77
(1,1733)	1:B:122:VAL:HG21	1:B:167:VAL:HG11	8	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1733)	1:B:122:VAL:HG21	1:B:167:VAL:HG12	8	0.77
(1,1733)	1:B:122:VAL:HG21	1:B:167:VAL:HG13	8	0.77
(1,1733)	1:B:122:VAL:HG22	1:B:167:VAL:HG11	8	0.77
(1,1733)	1:B:122:VAL:HG22	1:B:167:VAL:HG12	8	0.77
(1,1733)	1:B:122:VAL:HG22	1:B:167:VAL:HG13	8	0.77
(1,1733)	1:B:122:VAL:HG23	1:B:167:VAL:HG11	8	0.77
(1,1733)	1:B:122:VAL:HG23	1:B:167:VAL:HG12	8	0.77
(1,1733)	1:B:122:VAL:HG23	1:B:167:VAL:HG13	8	0.77
(1,1499)	1:A:22:LEU:HD11	1:A:23:ALA:H	7	0.77
(1,1499)	1:A:22:LEU:HD12	1:A:23:ALA:H	7	0.77
(1,1499)	1:A:22:LEU:HD13	1:A:23:ALA:H	7	0.77
(1,1499)	1:A:22:LEU:HD11	1:A:23:ALA:H	13	0.77
(1,1499)	1:A:22:LEU:HD12	1:A:23:ALA:H	13	0.77
(1,1499)	1:A:22:LEU:HD13	1:A:23:ALA:H	13	0.77
(1,993)	1:A:61:ALA:HB1	1:A:58:VAL:HG21	13	0.76
(1,993)	1:A:61:ALA:HB1	1:A:58:VAL:HG22	13	0.76
(1,993)	1:A:61:ALA:HB1	1:A:58:VAL:HG23	13	0.76
(1,993)	1:A:61:ALA:HB2	1:A:58:VAL:HG21	13	0.76
(1,993)	1:A:61:ALA:HB2	1:A:58:VAL:HG22	13	0.76
(1,993)	1:A:61:ALA:HB2	1:A:58:VAL:HG23	13	0.76
(1,993)	1:A:61:ALA:HB3	1:A:58:VAL:HG21	13	0.76
(1,993)	1:A:61:ALA:HB3	1:A:58:VAL:HG22	13	0.76
(1,993)	1:A:61:ALA:HB3	1:A:58:VAL:HG23	13	0.76
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA2	19	0.76
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA3	19	0.76
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA2	19	0.76
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA3	19	0.76
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA2	19	0.76
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA3	19	0.76
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD11	12	0.76
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD12	12	0.76
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD13	12	0.76
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD11	16	0.76
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD12	16	0.76
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD13	16	0.76
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD11	18	0.76
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD12	18	0.76
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD13	18	0.76
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG21	3	0.76
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG22	3	0.76
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG23	3	0.76
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD11	12	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD12	12	0.76
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD13	12	0.76
(1,58)	1:A:22:LEU:HD21	1:A:67:THR:HA	3	0.76
(1,58)	1:A:22:LEU:HD22	1:A:67:THR:HA	3	0.76
(1,58)	1:A:22:LEU:HD23	1:A:67:THR:HA	3	0.76
(1,2662)	1:B:111:LEU:HD11	1:B:108:GLU:HA	3	0.76
(1,2662)	1:B:111:LEU:HD12	1:B:108:GLU:HA	3	0.76
(1,2662)	1:B:111:LEU:HD13	1:B:108:GLU:HA	3	0.76
(1,2460)	1:B:108:GLU:HA	1:B:111:LEU:HD11	3	0.76
(1,2460)	1:B:108:GLU:HA	1:B:111:LEU:HD12	3	0.76
(1,2460)	1:B:108:GLU:HA	1:B:111:LEU:HD13	3	0.76
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD11	9	0.76
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD12	9	0.76
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD13	9	0.76
(1,2243)	1:B:122:VAL:HA	1:B:167:VAL:HG11	7	0.76
(1,2243)	1:B:122:VAL:HA	1:B:167:VAL:HG12	7	0.76
(1,2243)	1:B:122:VAL:HA	1:B:167:VAL:HG13	7	0.76
(1,1813)	1:B:111:LEU:HD21	1:B:159:LYS:HA	15	0.76
(1,1813)	1:B:111:LEU:HD22	1:B:159:LYS:HA	15	0.76
(1,1813)	1:B:111:LEU:HD23	1:B:159:LYS:HA	15	0.76
(1,1752)	1:B:167:VAL:HG11	1:B:122:VAL:HA	7	0.76
(1,1752)	1:B:167:VAL:HG12	1:B:122:VAL:HA	7	0.76
(1,1752)	1:B:167:VAL:HG13	1:B:122:VAL:HA	7	0.76
(1,167)	1:A:33:VAL:HG21	1:A:78:VAL:HG11	9	0.76
(1,167)	1:A:33:VAL:HG21	1:A:78:VAL:HG12	9	0.76
(1,167)	1:A:33:VAL:HG21	1:A:78:VAL:HG13	9	0.76
(1,167)	1:A:33:VAL:HG22	1:A:78:VAL:HG11	9	0.76
(1,167)	1:A:33:VAL:HG22	1:A:78:VAL:HG12	9	0.76
(1,167)	1:A:33:VAL:HG22	1:A:78:VAL:HG13	9	0.76
(1,167)	1:A:33:VAL:HG23	1:A:78:VAL:HG11	9	0.76
(1,167)	1:A:33:VAL:HG23	1:A:78:VAL:HG12	9	0.76
(1,167)	1:A:33:VAL:HG23	1:A:78:VAL:HG13	9	0.76
(1,1499)	1:A:22:LEU:HD11	1:A:23:ALA:H	12	0.76
(1,1499)	1:A:22:LEU:HD12	1:A:23:ALA:H	12	0.76
(1,1499)	1:A:22:LEU:HD13	1:A:23:ALA:H	12	0.76
(1,1387)	1:A:78:VAL:HG21	1:A:37:GLU:H	3	0.76
(1,1387)	1:A:78:VAL:HG22	1:A:37:GLU:H	3	0.76
(1,1387)	1:A:78:VAL:HG23	1:A:37:GLU:H	3	0.76
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD21	3	0.76
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD22	3	0.76
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD23	3	0.76
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA2	14	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA3	14	0.75
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA2	14	0.75
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA3	14	0.75
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA2	14	0.75
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA3	14	0.75
(1,893)	1:A:66:CYS:H	1:A:22:LEU:HD11	4	0.75
(1,893)	1:A:66:CYS:H	1:A:22:LEU:HD12	4	0.75
(1,893)	1:A:66:CYS:H	1:A:22:LEU:HD13	4	0.75
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD11	3	0.75
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD12	3	0.75
(1,706)	1:A:63:VAL:HA	1:A:22:LEU:HD13	3	0.75
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG11	7	0.75
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG12	7	0.75
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG13	7	0.75
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG11	7	0.75
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG12	7	0.75
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG13	7	0.75
(1,3065)	1:B:111:LEU:HD11	1:B:112:ALA:H	14	0.75
(1,3065)	1:B:111:LEU:HD12	1:B:112:ALA:H	14	0.75
(1,3065)	1:B:111:LEU:HD13	1:B:112:ALA:H	14	0.75
(1,3065)	1:B:111:LEU:HD11	1:B:112:ALA:H	19	0.75
(1,3065)	1:B:111:LEU:HD12	1:B:112:ALA:H	19	0.75
(1,3065)	1:B:111:LEU:HD13	1:B:112:ALA:H	19	0.75
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD11	6	0.75
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD12	6	0.75
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD13	6	0.75
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD11	14	0.75
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD12	14	0.75
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD13	14	0.75
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD11	19	0.75
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD12	19	0.75
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD13	19	0.75
(1,1813)	1:B:111:LEU:HD21	1:B:159:LYS:HA	20	0.75
(1,1813)	1:B:111:LEU:HD22	1:B:159:LYS:HA	20	0.75
(1,1813)	1:B:111:LEU:HD23	1:B:159:LYS:HA	20	0.75
(1,1730)	1:B:167:VAL:HG11	1:B:151:ILE:HG21	20	0.75
(1,1730)	1:B:167:VAL:HG11	1:B:151:ILE:HG22	20	0.75
(1,1730)	1:B:167:VAL:HG11	1:B:151:ILE:HG23	20	0.75
(1,1730)	1:B:167:VAL:HG12	1:B:151:ILE:HG21	20	0.75
(1,1730)	1:B:167:VAL:HG12	1:B:151:ILE:HG22	20	0.75
(1,1730)	1:B:167:VAL:HG12	1:B:151:ILE:HG23	20	0.75
(1,1730)	1:B:167:VAL:HG13	1:B:151:ILE:HG21	20	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1730)	1:B:167:VAL:HG13	1:B:151:ILE:HG22	20	0.75
(1,1730)	1:B:167:VAL:HG13	1:B:151:ILE:HG23	20	0.75
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD11	4	0.74
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD12	4	0.74
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD13	4	0.74
(1,2953)	1:B:167:VAL:HG21	1:B:126:GLU:H	14	0.74
(1,2953)	1:B:167:VAL:HG22	1:B:126:GLU:H	14	0.74
(1,2953)	1:B:167:VAL:HG23	1:B:126:GLU:H	14	0.74
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG21	14	0.74
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG22	14	0.74
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG23	14	0.74
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG11	19	0.74
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG12	19	0.74
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG13	19	0.74
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG11	17	0.74
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG12	17	0.74
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG13	17	0.74
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG11	17	0.74
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG12	17	0.74
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG13	17	0.74
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG11	17	0.74
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG12	17	0.74
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG13	17	0.74
(1,1499)	1:A:22:LEU:HD11	1:A:23:ALA:H	4	0.74
(1,1499)	1:A:22:LEU:HD12	1:A:23:ALA:H	4	0.74
(1,1499)	1:A:22:LEU:HD13	1:A:23:ALA:H	4	0.74
(1,993)	1:A:61:ALA:HB1	1:A:58:VAL:HG21	2	0.73
(1,993)	1:A:61:ALA:HB1	1:A:58:VAL:HG22	2	0.73
(1,993)	1:A:61:ALA:HB1	1:A:58:VAL:HG23	2	0.73
(1,993)	1:A:61:ALA:HB2	1:A:58:VAL:HG21	2	0.73
(1,993)	1:A:61:ALA:HB2	1:A:58:VAL:HG22	2	0.73
(1,993)	1:A:61:ALA:HB2	1:A:58:VAL:HG23	2	0.73
(1,993)	1:A:61:ALA:HB3	1:A:58:VAL:HG21	2	0.73
(1,993)	1:A:61:ALA:HB3	1:A:58:VAL:HG22	2	0.73
(1,993)	1:A:61:ALA:HB3	1:A:58:VAL:HG23	2	0.73
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG11	20	0.73
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG12	20	0.73
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG13	20	0.73
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG11	20	0.73
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG12	20	0.73
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG13	20	0.73
(1,728)	1:A:37:GLU:HG2	1:A:33:VAL:HG21	17	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,728)	1:A:37:GLU:HG2	1:A:33:VAL:HG22	17	0.73
(1,728)	1:A:37:GLU:HG2	1:A:33:VAL:HG23	17	0.73
(1,728)	1:A:37:GLU:HG3	1:A:33:VAL:HG21	17	0.73
(1,728)	1:A:37:GLU:HG3	1:A:33:VAL:HG22	17	0.73
(1,728)	1:A:37:GLU:HG3	1:A:33:VAL:HG23	17	0.73
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD11	5	0.73
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD12	5	0.73
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD13	5	0.73
(1,701)	1:A:55:ILE:HA	1:A:58:VAL:HG11	14	0.73
(1,701)	1:A:55:ILE:HA	1:A:58:VAL:HG12	14	0.73
(1,701)	1:A:55:ILE:HA	1:A:58:VAL:HG13	14	0.73
(1,670)	1:A:39:LEU:HD11	1:A:42:LYS:HG2	8	0.73
(1,670)	1:A:39:LEU:HD11	1:A:42:LYS:HG3	8	0.73
(1,670)	1:A:39:LEU:HD12	1:A:42:LYS:HG2	8	0.73
(1,670)	1:A:39:LEU:HD12	1:A:42:LYS:HG3	8	0.73
(1,670)	1:A:39:LEU:HD13	1:A:42:LYS:HG2	8	0.73
(1,670)	1:A:39:LEU:HD13	1:A:42:LYS:HG3	8	0.73
(1,649)	1:A:30:PRO:HA	1:A:33:VAL:HG11	4	0.73
(1,649)	1:A:30:PRO:HA	1:A:33:VAL:HG12	4	0.73
(1,649)	1:A:30:PRO:HA	1:A:33:VAL:HG13	4	0.73
(1,2953)	1:B:167:VAL:HG21	1:B:126:GLU:H	7	0.73
(1,2953)	1:B:167:VAL:HG22	1:B:126:GLU:H	7	0.73
(1,2953)	1:B:167:VAL:HG23	1:B:126:GLU:H	7	0.73
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA2	2	0.73
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA3	2	0.73
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA2	2	0.73
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA3	2	0.73
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA2	2	0.73
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA3	2	0.73
(1,247)	1:A:22:LEU:HD21	1:A:70:LYS:HA	1	0.73
(1,247)	1:A:22:LEU:HD22	1:A:70:LYS:HA	1	0.73
(1,247)	1:A:22:LEU:HD23	1:A:70:LYS:HA	1	0.73
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG21	7	0.73
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG22	7	0.73
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG23	7	0.73
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG11	1	0.73
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG12	1	0.73
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG13	1	0.73
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG11	1	0.73
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG12	1	0.73
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG13	1	0.73
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG11	5	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG12	5	0.73
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG13	5	0.73
(1,1707)	1:B:144:ILE:HG12	1:B:122:VAL:HG21	10	0.73
(1,1707)	1:B:144:ILE:HG12	1:B:122:VAL:HG22	10	0.73
(1,1707)	1:B:144:ILE:HG12	1:B:122:VAL:HG23	10	0.73
(1,1707)	1:B:144:ILE:HG13	1:B:122:VAL:HG21	10	0.73
(1,1707)	1:B:144:ILE:HG13	1:B:122:VAL:HG22	10	0.73
(1,1707)	1:B:144:ILE:HG13	1:B:122:VAL:HG23	10	0.73
(1,1499)	1:A:22:LEU:HD11	1:A:23:ALA:H	5	0.73
(1,1499)	1:A:22:LEU:HD12	1:A:23:ALA:H	5	0.73
(1,1499)	1:A:22:LEU:HD13	1:A:23:ALA:H	5	0.73
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA2	10	0.72
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA3	10	0.72
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA2	10	0.72
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA3	10	0.72
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA2	10	0.72
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA3	10	0.72
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG21	10	0.72
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG22	10	0.72
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG23	10	0.72
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG21	10	0.72
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG22	10	0.72
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG23	10	0.72
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG21	10	0.72
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG22	10	0.72
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG23	10	0.72
(1,698)	1:A:29:GLN:HG2	1:A:63:VAL:HG11	18	0.72
(1,698)	1:A:29:GLN:HG2	1:A:63:VAL:HG12	18	0.72
(1,698)	1:A:29:GLN:HG2	1:A:63:VAL:HG13	18	0.72
(1,698)	1:A:29:GLN:HG3	1:A:63:VAL:HG11	18	0.72
(1,698)	1:A:29:GLN:HG3	1:A:63:VAL:HG12	18	0.72
(1,698)	1:A:29:GLN:HG3	1:A:63:VAL:HG13	18	0.72
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG11	1	0.72
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG12	1	0.72
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG13	1	0.72
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG11	1	0.72
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG12	1	0.72
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG13	1	0.72
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA2	13	0.72
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA3	13	0.72
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA2	13	0.72
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA3	13	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA2	13	0.72
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA3	13	0.72
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG11	14	0.72
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG12	14	0.72
(1,2522)	1:B:136:ASP:HB2	1:B:138:VAL:HG13	14	0.72
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG11	14	0.72
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG12	14	0.72
(1,2522)	1:B:136:ASP:HB3	1:B:138:VAL:HG13	14	0.72
(1,247)	1:A:22:LEU:HD21	1:A:70:LYS:HA	11	0.72
(1,247)	1:A:22:LEU:HD22	1:A:70:LYS:HA	11	0.72
(1,247)	1:A:22:LEU:HD23	1:A:70:LYS:HA	11	0.72
(1,2245)	1:B:102:VAL:HG21	1:B:167:VAL:HG11	11	0.72
(1,2245)	1:B:102:VAL:HG21	1:B:167:VAL:HG12	11	0.72
(1,2245)	1:B:102:VAL:HG21	1:B:167:VAL:HG13	11	0.72
(1,2245)	1:B:102:VAL:HG22	1:B:167:VAL:HG11	11	0.72
(1,2245)	1:B:102:VAL:HG22	1:B:167:VAL:HG12	11	0.72
(1,2245)	1:B:102:VAL:HG22	1:B:167:VAL:HG13	11	0.72
(1,2245)	1:B:102:VAL:HG23	1:B:167:VAL:HG11	11	0.72
(1,2245)	1:B:102:VAL:HG23	1:B:167:VAL:HG12	11	0.72
(1,2245)	1:B:102:VAL:HG23	1:B:167:VAL:HG13	11	0.72
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG11	15	0.72
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG12	15	0.72
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG13	15	0.72
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG11	15	0.72
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG12	15	0.72
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG13	15	0.72
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG11	15	0.72
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG12	15	0.72
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG13	15	0.72
(1,141)	1:A:55:ILE:HG12	1:A:33:VAL:HG21	9	0.72
(1,141)	1:A:55:ILE:HG12	1:A:33:VAL:HG22	9	0.72
(1,141)	1:A:55:ILE:HG12	1:A:33:VAL:HG23	9	0.72
(1,141)	1:A:55:ILE:HG13	1:A:33:VAL:HG21	9	0.72
(1,141)	1:A:55:ILE:HG13	1:A:33:VAL:HG22	9	0.72
(1,141)	1:A:55:ILE:HG13	1:A:33:VAL:HG23	9	0.72
(1,1023)	1:A:22:LEU:HD21	1:A:70:LYS:HB2	3	0.72
(1,1023)	1:A:22:LEU:HD21	1:A:70:LYS:HB3	3	0.72
(1,1023)	1:A:22:LEU:HD22	1:A:70:LYS:HB2	3	0.72
(1,1023)	1:A:22:LEU:HD22	1:A:70:LYS:HB3	3	0.72
(1,1023)	1:A:22:LEU:HD23	1:A:70:LYS:HB2	3	0.72
(1,1023)	1:A:22:LEU:HD23	1:A:70:LYS:HB3	3	0.72
(1,1023)	1:A:22:LEU:HD21	1:A:70:LYS:HB2	7	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1023)	1:A:22:LEU:HD21	1:A:70:LYS:HB3	7	0.72
(1,1023)	1:A:22:LEU:HD22	1:A:70:LYS:HB2	7	0.72
(1,1023)	1:A:22:LEU:HD22	1:A:70:LYS:HB3	7	0.72
(1,1023)	1:A:22:LEU:HD23	1:A:70:LYS:HB2	7	0.72
(1,1023)	1:A:22:LEU:HD23	1:A:70:LYS:HB3	7	0.72
(1,993)	1:A:61:ALA:HB1	1:A:58:VAL:HG21	3	0.71
(1,993)	1:A:61:ALA:HB1	1:A:58:VAL:HG22	3	0.71
(1,993)	1:A:61:ALA:HB1	1:A:58:VAL:HG23	3	0.71
(1,993)	1:A:61:ALA:HB2	1:A:58:VAL:HG21	3	0.71
(1,993)	1:A:61:ALA:HB2	1:A:58:VAL:HG22	3	0.71
(1,993)	1:A:61:ALA:HB2	1:A:58:VAL:HG23	3	0.71
(1,993)	1:A:61:ALA:HB3	1:A:58:VAL:HG21	3	0.71
(1,993)	1:A:61:ALA:HB3	1:A:58:VAL:HG22	3	0.71
(1,993)	1:A:61:ALA:HB3	1:A:58:VAL:HG23	3	0.71
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD11	7	0.71
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD12	7	0.71
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD13	7	0.71
(1,420)	1:A:24:VAL:HG21	1:A:25:ASP:HB2	4	0.71
(1,420)	1:A:24:VAL:HG21	1:A:25:ASP:HB3	4	0.71
(1,420)	1:A:24:VAL:HG22	1:A:25:ASP:HB2	4	0.71
(1,420)	1:A:24:VAL:HG22	1:A:25:ASP:HB3	4	0.71
(1,420)	1:A:24:VAL:HG23	1:A:25:ASP:HB2	4	0.71
(1,420)	1:A:24:VAL:HG23	1:A:25:ASP:HB3	4	0.71
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG21	4	0.71
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG22	4	0.71
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG23	4	0.71
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG21	4	0.71
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG22	4	0.71
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG23	4	0.71
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG21	4	0.71
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG22	4	0.71
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG23	4	0.71
(1,247)	1:A:22:LEU:HD21	1:A:70:LYS:HA	12	0.71
(1,247)	1:A:22:LEU:HD22	1:A:70:LYS:HA	12	0.71
(1,247)	1:A:22:LEU:HD23	1:A:70:LYS:HA	12	0.71
(1,247)	1:A:22:LEU:HD21	1:A:70:LYS:HA	17	0.71
(1,247)	1:A:22:LEU:HD22	1:A:70:LYS:HA	17	0.71
(1,247)	1:A:22:LEU:HD23	1:A:70:LYS:HA	17	0.71
(1,2297)	1:B:144:ILE:HD11	1:B:122:VAL:HG21	10	0.71
(1,2297)	1:B:144:ILE:HD11	1:B:122:VAL:HG22	10	0.71
(1,2297)	1:B:144:ILE:HD11	1:B:122:VAL:HG23	10	0.71
(1,2297)	1:B:144:ILE:HD12	1:B:122:VAL:HG21	10	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2297)	1:B:144:ILE:HD12	1:B:122:VAL:HG22	10	0.71
(1,2297)	1:B:144:ILE:HD12	1:B:122:VAL:HG23	10	0.71
(1,2297)	1:B:144:ILE:HD13	1:B:122:VAL:HG21	10	0.71
(1,2297)	1:B:144:ILE:HD13	1:B:122:VAL:HG22	10	0.71
(1,2297)	1:B:144:ILE:HD13	1:B:122:VAL:HG23	10	0.71
(1,993)	1:A:61:ALA:HB1	1:A:58:VAL:HG21	15	0.7
(1,993)	1:A:61:ALA:HB1	1:A:58:VAL:HG22	15	0.7
(1,993)	1:A:61:ALA:HB1	1:A:58:VAL:HG23	15	0.7
(1,993)	1:A:61:ALA:HB2	1:A:58:VAL:HG21	15	0.7
(1,993)	1:A:61:ALA:HB2	1:A:58:VAL:HG22	15	0.7
(1,993)	1:A:61:ALA:HB2	1:A:58:VAL:HG23	15	0.7
(1,993)	1:A:61:ALA:HB3	1:A:58:VAL:HG21	15	0.7
(1,993)	1:A:61:ALA:HB3	1:A:58:VAL:HG22	15	0.7
(1,993)	1:A:61:ALA:HB3	1:A:58:VAL:HG23	15	0.7
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA2	13	0.7
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA3	13	0.7
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA2	13	0.7
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA3	13	0.7
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA2	13	0.7
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA3	13	0.7
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD11	13	0.7
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD12	13	0.7
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD13	13	0.7
(1,731)	1:A:55:ILE:HD11	1:A:33:VAL:HG21	17	0.7
(1,731)	1:A:55:ILE:HD11	1:A:33:VAL:HG22	17	0.7
(1,731)	1:A:55:ILE:HD11	1:A:33:VAL:HG23	17	0.7
(1,731)	1:A:55:ILE:HD12	1:A:33:VAL:HG21	17	0.7
(1,731)	1:A:55:ILE:HD12	1:A:33:VAL:HG22	17	0.7
(1,731)	1:A:55:ILE:HD12	1:A:33:VAL:HG23	17	0.7
(1,731)	1:A:55:ILE:HD13	1:A:33:VAL:HG21	17	0.7
(1,731)	1:A:55:ILE:HD13	1:A:33:VAL:HG22	17	0.7
(1,731)	1:A:55:ILE:HD13	1:A:33:VAL:HG23	17	0.7
(1,58)	1:A:22:LEU:HD21	1:A:67:THR:HA	10	0.7
(1,58)	1:A:22:LEU:HD22	1:A:67:THR:HA	10	0.7
(1,58)	1:A:22:LEU:HD23	1:A:67:THR:HA	10	0.7
(1,1730)	1:B:167:VAL:HG11	1:B:151:ILE:HG21	6	0.7
(1,1730)	1:B:167:VAL:HG11	1:B:151:ILE:HG22	6	0.7
(1,1730)	1:B:167:VAL:HG11	1:B:151:ILE:HG23	6	0.7
(1,1730)	1:B:167:VAL:HG12	1:B:151:ILE:HG21	6	0.7
(1,1730)	1:B:167:VAL:HG12	1:B:151:ILE:HG22	6	0.7
(1,1730)	1:B:167:VAL:HG12	1:B:151:ILE:HG23	6	0.7
(1,1730)	1:B:167:VAL:HG13	1:B:151:ILE:HG21	6	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1730)	1:B:167:VAL:HG13	1:B:151:ILE:HG22	6	0.7
(1,1730)	1:B:167:VAL:HG13	1:B:151:ILE:HG23	6	0.7
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD21	10	0.7
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD22	10	0.7
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD23	10	0.7
(1,1023)	1:A:22:LEU:HD21	1:A:70:LYS:HB2	10	0.7
(1,1023)	1:A:22:LEU:HD21	1:A:70:LYS:HB3	10	0.7
(1,1023)	1:A:22:LEU:HD22	1:A:70:LYS:HB2	10	0.7
(1,1023)	1:A:22:LEU:HD22	1:A:70:LYS:HB3	10	0.7
(1,1023)	1:A:22:LEU:HD23	1:A:70:LYS:HB2	10	0.7
(1,1023)	1:A:22:LEU:HD23	1:A:70:LYS:HB3	10	0.7
(1,703)	1:A:61:ALA:HB1	1:A:58:VAL:HG11	4	0.69
(1,703)	1:A:61:ALA:HB1	1:A:58:VAL:HG12	4	0.69
(1,703)	1:A:61:ALA:HB1	1:A:58:VAL:HG13	4	0.69
(1,703)	1:A:61:ALA:HB2	1:A:58:VAL:HG11	4	0.69
(1,703)	1:A:61:ALA:HB2	1:A:58:VAL:HG12	4	0.69
(1,703)	1:A:61:ALA:HB2	1:A:58:VAL:HG13	4	0.69
(1,703)	1:A:61:ALA:HB3	1:A:58:VAL:HG11	4	0.69
(1,703)	1:A:61:ALA:HB3	1:A:58:VAL:HG12	4	0.69
(1,703)	1:A:61:ALA:HB3	1:A:58:VAL:HG13	4	0.69
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG11	9	0.69
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG12	9	0.69
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG13	9	0.69
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA2	5	0.69
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA3	5	0.69
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA2	5	0.69
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA3	5	0.69
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA2	5	0.69
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA3	5	0.69
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA2	16	0.69
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA3	16	0.69
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA2	16	0.69
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA3	16	0.69
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA2	16	0.69
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA3	16	0.69
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD11	19	0.69
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD12	19	0.69
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD13	19	0.69
(1,2264)	1:B:118:GLN:HG2	1:B:152:VAL:HG11	11	0.69
(1,2264)	1:B:118:GLN:HG2	1:B:152:VAL:HG12	11	0.69
(1,2264)	1:B:118:GLN:HG2	1:B:152:VAL:HG13	11	0.69
(1,2264)	1:B:118:GLN:HG3	1:B:152:VAL:HG11	11	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2264)	1:B:118:GLN:HG3	1:B:152:VAL:HG12	11	0.69
(1,2264)	1:B:118:GLN:HG3	1:B:152:VAL:HG13	11	0.69
(1,2190)	1:B:111:LEU:HD21	1:B:159:LYS:HG2	8	0.69
(1,2190)	1:B:111:LEU:HD21	1:B:159:LYS:HG3	8	0.69
(1,2190)	1:B:111:LEU:HD22	1:B:159:LYS:HG2	8	0.69
(1,2190)	1:B:111:LEU:HD22	1:B:159:LYS:HG3	8	0.69
(1,2190)	1:B:111:LEU:HD23	1:B:159:LYS:HG2	8	0.69
(1,2190)	1:B:111:LEU:HD23	1:B:159:LYS:HG3	8	0.69
(1,1813)	1:B:111:LEU:HD21	1:B:159:LYS:HA	12	0.69
(1,1813)	1:B:111:LEU:HD22	1:B:159:LYS:HA	12	0.69
(1,1813)	1:B:111:LEU:HD23	1:B:159:LYS:HA	12	0.69
(1,1671)	1:B:156:THR:HA	1:B:111:LEU:HD21	12	0.69
(1,1671)	1:B:156:THR:HA	1:B:111:LEU:HD22	12	0.69
(1,1671)	1:B:156:THR:HA	1:B:111:LEU:HD23	12	0.69
(1,1624)	1:B:111:LEU:HD21	1:B:156:THR:HA	12	0.69
(1,1624)	1:B:111:LEU:HD22	1:B:156:THR:HA	12	0.69
(1,1624)	1:B:111:LEU:HD23	1:B:156:THR:HA	12	0.69
(1,730)	1:A:78:VAL:HG11	1:A:33:VAL:HG21	11	0.68
(1,730)	1:A:78:VAL:HG11	1:A:33:VAL:HG22	11	0.68
(1,730)	1:A:78:VAL:HG11	1:A:33:VAL:HG23	11	0.68
(1,730)	1:A:78:VAL:HG12	1:A:33:VAL:HG21	11	0.68
(1,730)	1:A:78:VAL:HG12	1:A:33:VAL:HG22	11	0.68
(1,730)	1:A:78:VAL:HG12	1:A:33:VAL:HG23	11	0.68
(1,730)	1:A:78:VAL:HG13	1:A:33:VAL:HG21	11	0.68
(1,730)	1:A:78:VAL:HG13	1:A:33:VAL:HG22	11	0.68
(1,730)	1:A:78:VAL:HG13	1:A:33:VAL:HG23	11	0.68
(1,705)	1:A:85:ILE:HD11	1:A:58:VAL:HG11	4	0.68
(1,705)	1:A:85:ILE:HD11	1:A:58:VAL:HG12	4	0.68
(1,705)	1:A:85:ILE:HD11	1:A:58:VAL:HG13	4	0.68
(1,705)	1:A:85:ILE:HD12	1:A:58:VAL:HG11	4	0.68
(1,705)	1:A:85:ILE:HD12	1:A:58:VAL:HG12	4	0.68
(1,705)	1:A:85:ILE:HD12	1:A:58:VAL:HG13	4	0.68
(1,705)	1:A:85:ILE:HD13	1:A:58:VAL:HG11	4	0.68
(1,705)	1:A:85:ILE:HD13	1:A:58:VAL:HG12	4	0.68
(1,705)	1:A:85:ILE:HD13	1:A:58:VAL:HG13	4	0.68
(1,698)	1:A:29:GLN:HG2	1:A:63:VAL:HG11	17	0.68
(1,698)	1:A:29:GLN:HG2	1:A:63:VAL:HG12	17	0.68
(1,698)	1:A:29:GLN:HG2	1:A:63:VAL:HG13	17	0.68
(1,698)	1:A:29:GLN:HG3	1:A:63:VAL:HG11	17	0.68
(1,698)	1:A:29:GLN:HG3	1:A:63:VAL:HG12	17	0.68
(1,698)	1:A:29:GLN:HG3	1:A:63:VAL:HG13	17	0.68
(1,3065)	1:B:111:LEU:HD11	1:B:112:ALA:H	8	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3065)	1:B:111:LEU:HD12	1:B:112:ALA:H	8	0.68
(1,3065)	1:B:111:LEU:HD13	1:B:112:ALA:H	8	0.68
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD11	8	0.68
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD12	8	0.68
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD13	8	0.68
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD11	4	0.68
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD12	4	0.68
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD13	4	0.68
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD11	4	0.68
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD12	4	0.68
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD13	4	0.68
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD11	4	0.68
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD12	4	0.68
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD13	4	0.68
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG11	9	0.68
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG12	9	0.68
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG13	9	0.68
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA2	2	0.67
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA3	2	0.67
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA2	2	0.67
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA3	2	0.67
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA2	2	0.67
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA3	2	0.67
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG21	11	0.67
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG22	11	0.67
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG23	11	0.67
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD11	11	0.67
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD12	11	0.67
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD13	11	0.67
(1,702)	1:A:62:ILE:HG12	1:A:58:VAL:HG11	5	0.67
(1,702)	1:A:62:ILE:HG12	1:A:58:VAL:HG12	5	0.67
(1,702)	1:A:62:ILE:HG12	1:A:58:VAL:HG13	5	0.67
(1,702)	1:A:62:ILE:HG13	1:A:58:VAL:HG11	5	0.67
(1,702)	1:A:62:ILE:HG13	1:A:58:VAL:HG12	5	0.67
(1,702)	1:A:62:ILE:HG13	1:A:58:VAL:HG13	5	0.67
(1,679)	1:A:13:VAL:HG21	1:A:78:VAL:HG11	9	0.67
(1,679)	1:A:13:VAL:HG21	1:A:78:VAL:HG12	9	0.67
(1,679)	1:A:13:VAL:HG21	1:A:78:VAL:HG13	9	0.67
(1,679)	1:A:13:VAL:HG22	1:A:78:VAL:HG11	9	0.67
(1,679)	1:A:13:VAL:HG22	1:A:78:VAL:HG12	9	0.67
(1,679)	1:A:13:VAL:HG22	1:A:78:VAL:HG13	9	0.67
(1,679)	1:A:13:VAL:HG23	1:A:78:VAL:HG11	9	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,679)	1:A:13:VAL:HG23	1:A:78:VAL:HG12	9	0.67
(1,679)	1:A:13:VAL:HG23	1:A:78:VAL:HG13	9	0.67
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG11	20	0.67
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG12	20	0.67
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG13	20	0.67
(1,670)	1:A:39:LEU:HD11	1:A:42:LYS:HG2	4	0.67
(1,670)	1:A:39:LEU:HD11	1:A:42:LYS:HG3	4	0.67
(1,670)	1:A:39:LEU:HD12	1:A:42:LYS:HG2	4	0.67
(1,670)	1:A:39:LEU:HD12	1:A:42:LYS:HG3	4	0.67
(1,670)	1:A:39:LEU:HD13	1:A:42:LYS:HG2	4	0.67
(1,670)	1:A:39:LEU:HD13	1:A:42:LYS:HG3	4	0.67
(1,624)	1:A:22:LEU:HD21	1:A:70:LYS:HG2	13	0.67
(1,624)	1:A:22:LEU:HD21	1:A:70:LYS:HG3	13	0.67
(1,624)	1:A:22:LEU:HD22	1:A:70:LYS:HG2	13	0.67
(1,624)	1:A:22:LEU:HD22	1:A:70:LYS:HG3	13	0.67
(1,624)	1:A:22:LEU:HD23	1:A:70:LYS:HG2	13	0.67
(1,624)	1:A:22:LEU:HD23	1:A:70:LYS:HG3	13	0.67
(1,247)	1:A:22:LEU:HD21	1:A:70:LYS:HA	2	0.67
(1,247)	1:A:22:LEU:HD22	1:A:70:LYS:HA	2	0.67
(1,247)	1:A:22:LEU:HD23	1:A:70:LYS:HA	2	0.67
(1,1730)	1:B:167:VAL:HG11	1:B:151:ILE:HG21	7	0.67
(1,1730)	1:B:167:VAL:HG11	1:B:151:ILE:HG22	7	0.67
(1,1730)	1:B:167:VAL:HG11	1:B:151:ILE:HG23	7	0.67
(1,1730)	1:B:167:VAL:HG12	1:B:151:ILE:HG21	7	0.67
(1,1730)	1:B:167:VAL:HG12	1:B:151:ILE:HG22	7	0.67
(1,1730)	1:B:167:VAL:HG12	1:B:151:ILE:HG23	7	0.67
(1,1730)	1:B:167:VAL:HG13	1:B:151:ILE:HG21	7	0.67
(1,1730)	1:B:167:VAL:HG13	1:B:151:ILE:HG22	7	0.67
(1,1730)	1:B:167:VAL:HG13	1:B:151:ILE:HG23	7	0.67
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG21	15	0.67
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG22	15	0.67
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG23	15	0.67
(1,1499)	1:A:22:LEU:HD11	1:A:23:ALA:H	11	0.67
(1,1499)	1:A:22:LEU:HD12	1:A:23:ALA:H	11	0.67
(1,1499)	1:A:22:LEU:HD13	1:A:23:ALA:H	11	0.67
(1,1387)	1:A:78:VAL:HG21	1:A:37:GLU:H	11	0.67
(1,1387)	1:A:78:VAL:HG22	1:A:37:GLU:H	11	0.67
(1,1387)	1:A:78:VAL:HG23	1:A:37:GLU:H	11	0.67
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA2	8	0.66
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA3	8	0.66
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA2	8	0.66
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA3	8	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA2	8	0.66
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA3	8	0.66
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG11	20	0.66
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG12	20	0.66
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG13	20	0.66
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG11	20	0.66
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG12	20	0.66
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG13	20	0.66
(1,624)	1:A:22:LEU:HD21	1:A:70:LYS:HG2	8	0.66
(1,624)	1:A:22:LEU:HD21	1:A:70:LYS:HG3	8	0.66
(1,624)	1:A:22:LEU:HD22	1:A:70:LYS:HG2	8	0.66
(1,624)	1:A:22:LEU:HD22	1:A:70:LYS:HG3	8	0.66
(1,624)	1:A:22:LEU:HD23	1:A:70:LYS:HG2	8	0.66
(1,624)	1:A:22:LEU:HD23	1:A:70:LYS:HG3	8	0.66
(1,3065)	1:B:111:LEU:HD11	1:B:112:ALA:H	15	0.66
(1,3065)	1:B:111:LEU:HD12	1:B:112:ALA:H	15	0.66
(1,3065)	1:B:111:LEU:HD13	1:B:112:ALA:H	15	0.66
(1,235)	1:A:24:VAL:HG21	1:A:29:GLN:HA	5	0.66
(1,235)	1:A:24:VAL:HG22	1:A:29:GLN:HA	5	0.66
(1,235)	1:A:24:VAL:HG23	1:A:29:GLN:HA	5	0.66
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD11	15	0.66
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD12	15	0.66
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD13	15	0.66
(1,2264)	1:B:118:GLN:HG2	1:B:152:VAL:HG11	14	0.66
(1,2264)	1:B:118:GLN:HG2	1:B:152:VAL:HG12	14	0.66
(1,2264)	1:B:118:GLN:HG2	1:B:152:VAL:HG13	14	0.66
(1,2264)	1:B:118:GLN:HG3	1:B:152:VAL:HG11	14	0.66
(1,2264)	1:B:118:GLN:HG3	1:B:152:VAL:HG12	14	0.66
(1,2264)	1:B:118:GLN:HG3	1:B:152:VAL:HG13	14	0.66
(1,1986)	1:B:113:VAL:HG21	1:B:114:ASP:HB2	17	0.66
(1,1986)	1:B:113:VAL:HG21	1:B:114:ASP:HB3	17	0.66
(1,1986)	1:B:113:VAL:HG22	1:B:114:ASP:HB2	17	0.66
(1,1986)	1:B:113:VAL:HG22	1:B:114:ASP:HB3	17	0.66
(1,1986)	1:B:113:VAL:HG23	1:B:114:ASP:HB2	17	0.66
(1,1986)	1:B:113:VAL:HG23	1:B:114:ASP:HB3	17	0.66
(1,993)	1:A:61:ALA:HB1	1:A:58:VAL:HG21	19	0.65
(1,993)	1:A:61:ALA:HB1	1:A:58:VAL:HG22	19	0.65
(1,993)	1:A:61:ALA:HB1	1:A:58:VAL:HG23	19	0.65
(1,993)	1:A:61:ALA:HB2	1:A:58:VAL:HG21	19	0.65
(1,993)	1:A:61:ALA:HB2	1:A:58:VAL:HG22	19	0.65
(1,993)	1:A:61:ALA:HB2	1:A:58:VAL:HG23	19	0.65
(1,993)	1:A:61:ALA:HB3	1:A:58:VAL:HG21	19	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,993)	1:A:61:ALA:HB3	1:A:58:VAL:HG22	19	0.65
(1,993)	1:A:61:ALA:HB3	1:A:58:VAL:HG23	19	0.65
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG21	3	0.65
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG22	3	0.65
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG23	3	0.65
(1,702)	1:A:62:ILE:HG12	1:A:58:VAL:HG11	6	0.65
(1,702)	1:A:62:ILE:HG12	1:A:58:VAL:HG12	6	0.65
(1,702)	1:A:62:ILE:HG12	1:A:58:VAL:HG13	6	0.65
(1,702)	1:A:62:ILE:HG13	1:A:58:VAL:HG11	6	0.65
(1,702)	1:A:62:ILE:HG13	1:A:58:VAL:HG12	6	0.65
(1,702)	1:A:62:ILE:HG13	1:A:58:VAL:HG13	6	0.65
(1,624)	1:A:22:LEU:HD21	1:A:70:LYS:HG2	9	0.65
(1,624)	1:A:22:LEU:HD21	1:A:70:LYS:HG3	9	0.65
(1,624)	1:A:22:LEU:HD22	1:A:70:LYS:HG2	9	0.65
(1,624)	1:A:22:LEU:HD22	1:A:70:LYS:HG3	9	0.65
(1,624)	1:A:22:LEU:HD23	1:A:70:LYS:HG2	9	0.65
(1,624)	1:A:22:LEU:HD23	1:A:70:LYS:HG3	9	0.65
(1,2992)	1:B:128:LEU:HD11	1:B:128:LEU:H	11	0.65
(1,2992)	1:B:128:LEU:HD12	1:B:128:LEU:H	11	0.65
(1,2992)	1:B:128:LEU:HD13	1:B:128:LEU:H	11	0.65
(1,2992)	1:B:128:LEU:HD11	1:B:128:LEU:H	19	0.65
(1,2992)	1:B:128:LEU:HD12	1:B:128:LEU:H	19	0.65
(1,2992)	1:B:128:LEU:HD13	1:B:128:LEU:H	19	0.65
(1,2953)	1:B:167:VAL:HG21	1:B:126:GLU:H	19	0.65
(1,2953)	1:B:167:VAL:HG22	1:B:126:GLU:H	19	0.65
(1,2953)	1:B:167:VAL:HG23	1:B:126:GLU:H	19	0.65
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG21	19	0.65
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG22	19	0.65
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG23	19	0.65
(1,2264)	1:B:118:GLN:HG2	1:B:152:VAL:HG11	20	0.65
(1,2264)	1:B:118:GLN:HG2	1:B:152:VAL:HG12	20	0.65
(1,2264)	1:B:118:GLN:HG2	1:B:152:VAL:HG13	20	0.65
(1,2264)	1:B:118:GLN:HG3	1:B:152:VAL:HG11	20	0.65
(1,2264)	1:B:118:GLN:HG3	1:B:152:VAL:HG12	20	0.65
(1,2264)	1:B:118:GLN:HG3	1:B:152:VAL:HG13	20	0.65
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD11	11	0.65
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD12	11	0.65
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD13	11	0.65
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD11	19	0.65
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD12	19	0.65
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD13	19	0.65
(1,171)	1:A:33:VAL:HG21	1:A:58:VAL:HB	3	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,171)	1:A:33:VAL:HG22	1:A:58:VAL:HB	3	0.65
(1,171)	1:A:33:VAL:HG23	1:A:58:VAL:HB	3	0.65
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG21	11	0.65
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG22	11	0.65
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG23	11	0.65
(1,141)	1:A:55:ILE:HG12	1:A:33:VAL:HG21	17	0.65
(1,141)	1:A:55:ILE:HG12	1:A:33:VAL:HG22	17	0.65
(1,141)	1:A:55:ILE:HG12	1:A:33:VAL:HG23	17	0.65
(1,141)	1:A:55:ILE:HG13	1:A:33:VAL:HG21	17	0.65
(1,141)	1:A:55:ILE:HG13	1:A:33:VAL:HG22	17	0.65
(1,141)	1:A:55:ILE:HG13	1:A:33:VAL:HG23	17	0.65
(1,993)	1:A:61:ALA:HB1	1:A:58:VAL:HG21	14	0.64
(1,993)	1:A:61:ALA:HB1	1:A:58:VAL:HG22	14	0.64
(1,993)	1:A:61:ALA:HB1	1:A:58:VAL:HG23	14	0.64
(1,993)	1:A:61:ALA:HB2	1:A:58:VAL:HG21	14	0.64
(1,993)	1:A:61:ALA:HB2	1:A:58:VAL:HG22	14	0.64
(1,993)	1:A:61:ALA:HB2	1:A:58:VAL:HG23	14	0.64
(1,993)	1:A:61:ALA:HB3	1:A:58:VAL:HG21	14	0.64
(1,993)	1:A:61:ALA:HB3	1:A:58:VAL:HG22	14	0.64
(1,993)	1:A:61:ALA:HB3	1:A:58:VAL:HG23	14	0.64
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG21	17	0.64
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG22	17	0.64
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG23	17	0.64
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD11	16	0.64
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD12	16	0.64
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD13	16	0.64
(1,2992)	1:B:128:LEU:HD11	1:B:128:LEU:H	2	0.64
(1,2992)	1:B:128:LEU:HD12	1:B:128:LEU:H	2	0.64
(1,2992)	1:B:128:LEU:HD13	1:B:128:LEU:H	2	0.64
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA2	8	0.64
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA3	8	0.64
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA2	8	0.64
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA3	8	0.64
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA2	8	0.64
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA3	8	0.64
(1,247)	1:A:22:LEU:HD21	1:A:70:LYS:HA	9	0.64
(1,247)	1:A:22:LEU:HD22	1:A:70:LYS:HA	9	0.64
(1,247)	1:A:22:LEU:HD23	1:A:70:LYS:HA	9	0.64
(1,2267)	1:B:144:ILE:HA	1:B:147:VAL:HG11	13	0.64
(1,2267)	1:B:144:ILE:HA	1:B:147:VAL:HG12	13	0.64
(1,2267)	1:B:144:ILE:HA	1:B:147:VAL:HG13	13	0.64
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD11	2	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD12	2	0.64
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD13	2	0.64
(1,1813)	1:B:111:LEU:HD21	1:B:159:LYS:HA	11	0.64
(1,1813)	1:B:111:LEU:HD22	1:B:159:LYS:HA	11	0.64
(1,1813)	1:B:111:LEU:HD23	1:B:159:LYS:HA	11	0.64
(1,1813)	1:B:111:LEU:HD21	1:B:159:LYS:HA	13	0.64
(1,1813)	1:B:111:LEU:HD22	1:B:159:LYS:HA	13	0.64
(1,1813)	1:B:111:LEU:HD23	1:B:159:LYS:HA	13	0.64
(1,171)	1:A:33:VAL:HG21	1:A:58:VAL:HB	17	0.64
(1,171)	1:A:33:VAL:HG22	1:A:58:VAL:HB	17	0.64
(1,171)	1:A:33:VAL:HG23	1:A:58:VAL:HB	17	0.64
(1,1499)	1:A:22:LEU:HD11	1:A:23:ALA:H	16	0.64
(1,1499)	1:A:22:LEU:HD12	1:A:23:ALA:H	16	0.64
(1,1499)	1:A:22:LEU:HD13	1:A:23:ALA:H	16	0.64
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG21	19	0.63
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG22	19	0.63
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG23	19	0.63
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG21	19	0.63
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG22	19	0.63
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG23	19	0.63
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG21	19	0.63
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG22	19	0.63
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG23	19	0.63
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD11	2	0.63
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD12	2	0.63
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD13	2	0.63
(1,701)	1:A:55:ILE:HA	1:A:58:VAL:HG11	2	0.63
(1,701)	1:A:55:ILE:HA	1:A:58:VAL:HG12	2	0.63
(1,701)	1:A:55:ILE:HA	1:A:58:VAL:HG13	2	0.63
(1,2992)	1:B:128:LEU:HD11	1:B:128:LEU:H	3	0.63
(1,2992)	1:B:128:LEU:HD12	1:B:128:LEU:H	3	0.63
(1,2992)	1:B:128:LEU:HD13	1:B:128:LEU:H	3	0.63
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA2	7	0.63
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA3	7	0.63
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA2	7	0.63
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA3	7	0.63
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA2	7	0.63
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA3	7	0.63
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA2	11	0.63
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA3	11	0.63
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA2	11	0.63
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA3	11	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA2	11	0.63
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA3	11	0.63
(1,247)	1:A:22:LEU:HD21	1:A:70:LYS:HA	8	0.63
(1,247)	1:A:22:LEU:HD22	1:A:70:LYS:HA	8	0.63
(1,247)	1:A:22:LEU:HD23	1:A:70:LYS:HA	8	0.63
(1,2297)	1:B:144:ILE:HD11	1:B:122:VAL:HG21	2	0.63
(1,2297)	1:B:144:ILE:HD11	1:B:122:VAL:HG22	2	0.63
(1,2297)	1:B:144:ILE:HD11	1:B:122:VAL:HG23	2	0.63
(1,2297)	1:B:144:ILE:HD12	1:B:122:VAL:HG21	2	0.63
(1,2297)	1:B:144:ILE:HD12	1:B:122:VAL:HG22	2	0.63
(1,2297)	1:B:144:ILE:HD12	1:B:122:VAL:HG23	2	0.63
(1,2297)	1:B:144:ILE:HD13	1:B:122:VAL:HG21	2	0.63
(1,2297)	1:B:144:ILE:HD13	1:B:122:VAL:HG22	2	0.63
(1,2297)	1:B:144:ILE:HD13	1:B:122:VAL:HG23	2	0.63
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD11	3	0.63
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD12	3	0.63
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD13	3	0.63
(1,2245)	1:B:102:VAL:HG21	1:B:167:VAL:HG11	2	0.63
(1,2245)	1:B:102:VAL:HG21	1:B:167:VAL:HG12	2	0.63
(1,2245)	1:B:102:VAL:HG21	1:B:167:VAL:HG13	2	0.63
(1,2245)	1:B:102:VAL:HG22	1:B:167:VAL:HG11	2	0.63
(1,2245)	1:B:102:VAL:HG22	1:B:167:VAL:HG12	2	0.63
(1,2245)	1:B:102:VAL:HG22	1:B:167:VAL:HG13	2	0.63
(1,2245)	1:B:102:VAL:HG23	1:B:167:VAL:HG11	2	0.63
(1,2245)	1:B:102:VAL:HG23	1:B:167:VAL:HG12	2	0.63
(1,2245)	1:B:102:VAL:HG23	1:B:167:VAL:HG13	2	0.63
(1,1730)	1:B:167:VAL:HG11	1:B:151:ILE:HG21	11	0.63
(1,1730)	1:B:167:VAL:HG11	1:B:151:ILE:HG22	11	0.63
(1,1730)	1:B:167:VAL:HG11	1:B:151:ILE:HG23	11	0.63
(1,1730)	1:B:167:VAL:HG12	1:B:151:ILE:HG21	11	0.63
(1,1730)	1:B:167:VAL:HG12	1:B:151:ILE:HG22	11	0.63
(1,1730)	1:B:167:VAL:HG12	1:B:151:ILE:HG23	11	0.63
(1,1730)	1:B:167:VAL:HG13	1:B:151:ILE:HG21	11	0.63
(1,1730)	1:B:167:VAL:HG13	1:B:151:ILE:HG22	11	0.63
(1,1730)	1:B:167:VAL:HG13	1:B:151:ILE:HG23	11	0.63
(1,1499)	1:A:22:LEU:HD11	1:A:23:ALA:H	2	0.63
(1,1499)	1:A:22:LEU:HD12	1:A:23:ALA:H	2	0.63
(1,1499)	1:A:22:LEU:HD13	1:A:23:ALA:H	2	0.63
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD11	1	0.62
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD12	1	0.62
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD13	1	0.62
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG11	15	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG12	15	0.62
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG13	15	0.62
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG11	15	0.62
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG12	15	0.62
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG13	15	0.62
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG11	15	0.62
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG12	15	0.62
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG13	15	0.62
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG11	16	0.62
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG12	16	0.62
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG13	16	0.62
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG11	16	0.62
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG12	16	0.62
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG13	16	0.62
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG11	16	0.62
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG12	16	0.62
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG13	16	0.62
(1,2622)	1:B:167:VAL:HG21	1:B:171:TRP:HB2	14	0.62
(1,2622)	1:B:167:VAL:HG21	1:B:171:TRP:HB3	14	0.62
(1,2622)	1:B:167:VAL:HG22	1:B:171:TRP:HB2	14	0.62
(1,2622)	1:B:167:VAL:HG22	1:B:171:TRP:HB3	14	0.62
(1,2622)	1:B:167:VAL:HG23	1:B:171:TRP:HB2	14	0.62
(1,2622)	1:B:167:VAL:HG23	1:B:171:TRP:HB3	14	0.62
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA2	4	0.62
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA3	4	0.62
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA2	4	0.62
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA3	4	0.62
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA2	4	0.62
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA3	4	0.62
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG21	16	0.62
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG22	16	0.62
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG23	16	0.62
(1,1813)	1:B:111:LEU:HD21	1:B:159:LYS:HA	1	0.62
(1,1813)	1:B:111:LEU:HD22	1:B:159:LYS:HA	1	0.62
(1,1813)	1:B:111:LEU:HD23	1:B:159:LYS:HA	1	0.62
(1,1737)	1:B:122:VAL:HG21	1:B:147:VAL:HB	16	0.62
(1,1737)	1:B:122:VAL:HG22	1:B:147:VAL:HB	16	0.62
(1,1737)	1:B:122:VAL:HG23	1:B:147:VAL:HB	16	0.62
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG21	8	0.62
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG22	8	0.62
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG23	8	0.62
(1,1499)	1:A:22:LEU:HD11	1:A:23:ALA:H	1	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1499)	1:A:22:LEU:HD12	1:A:23:ALA:H	1	0.62
(1,1499)	1:A:22:LEU:HD13	1:A:23:ALA:H	1	0.62
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA2	17	0.61
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA3	17	0.61
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA2	17	0.61
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA3	17	0.61
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA2	17	0.61
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA3	17	0.61
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG11	10	0.61
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG12	10	0.61
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG13	10	0.61
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG11	10	0.61
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG12	10	0.61
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG13	10	0.61
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD11	15	0.61
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD12	15	0.61
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD13	15	0.61
(1,701)	1:A:55:ILE:HA	1:A:58:VAL:HG11	19	0.61
(1,701)	1:A:55:ILE:HA	1:A:58:VAL:HG12	19	0.61
(1,701)	1:A:55:ILE:HA	1:A:58:VAL:HG13	19	0.61
(1,624)	1:A:22:LEU:HD21	1:A:70:LYS:HG2	6	0.61
(1,624)	1:A:22:LEU:HD21	1:A:70:LYS:HG3	6	0.61
(1,624)	1:A:22:LEU:HD22	1:A:70:LYS:HG2	6	0.61
(1,624)	1:A:22:LEU:HD22	1:A:70:LYS:HG3	6	0.61
(1,624)	1:A:22:LEU:HD23	1:A:70:LYS:HG2	6	0.61
(1,624)	1:A:22:LEU:HD23	1:A:70:LYS:HG3	6	0.61
(1,3065)	1:B:111:LEU:HD11	1:B:112:ALA:H	12	0.61
(1,3065)	1:B:111:LEU:HD12	1:B:112:ALA:H	12	0.61
(1,3065)	1:B:111:LEU:HD13	1:B:112:ALA:H	12	0.61
(1,2953)	1:B:167:VAL:HG21	1:B:126:GLU:H	20	0.61
(1,2953)	1:B:167:VAL:HG22	1:B:126:GLU:H	20	0.61
(1,2953)	1:B:167:VAL:HG23	1:B:126:GLU:H	20	0.61
(1,2321)	1:B:125:ALA:HB1	1:B:102:VAL:HG21	2	0.61
(1,2321)	1:B:125:ALA:HB1	1:B:102:VAL:HG22	2	0.61
(1,2321)	1:B:125:ALA:HB1	1:B:102:VAL:HG23	2	0.61
(1,2321)	1:B:125:ALA:HB2	1:B:102:VAL:HG21	2	0.61
(1,2321)	1:B:125:ALA:HB2	1:B:102:VAL:HG22	2	0.61
(1,2321)	1:B:125:ALA:HB2	1:B:102:VAL:HG23	2	0.61
(1,2321)	1:B:125:ALA:HB3	1:B:102:VAL:HG21	2	0.61
(1,2321)	1:B:125:ALA:HB3	1:B:102:VAL:HG22	2	0.61
(1,2321)	1:B:125:ALA:HB3	1:B:102:VAL:HG23	2	0.61
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG21	20	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG22	20	0.61
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG23	20	0.61
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD11	12	0.61
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD12	12	0.61
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD13	12	0.61
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD11	8	0.61
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD12	8	0.61
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD13	8	0.61
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD11	8	0.61
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD12	8	0.61
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD13	8	0.61
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD11	8	0.61
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD12	8	0.61
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD13	8	0.61
(1,1728)	1:B:102:VAL:HG21	1:B:125:ALA:HB1	2	0.61
(1,1728)	1:B:102:VAL:HG21	1:B:125:ALA:HB2	2	0.61
(1,1728)	1:B:102:VAL:HG21	1:B:125:ALA:HB3	2	0.61
(1,1728)	1:B:102:VAL:HG22	1:B:125:ALA:HB1	2	0.61
(1,1728)	1:B:102:VAL:HG22	1:B:125:ALA:HB2	2	0.61
(1,1728)	1:B:102:VAL:HG22	1:B:125:ALA:HB3	2	0.61
(1,1728)	1:B:102:VAL:HG23	1:B:125:ALA:HB1	2	0.61
(1,1728)	1:B:102:VAL:HG23	1:B:125:ALA:HB2	2	0.61
(1,1728)	1:B:102:VAL:HG23	1:B:125:ALA:HB3	2	0.61
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG21	10	0.61
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG22	10	0.61
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG23	10	0.61
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD11	4	0.6
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD12	4	0.6
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD13	4	0.6
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD11	8	0.6
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD12	8	0.6
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD13	8	0.6
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD11	10	0.6
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD12	10	0.6
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD13	10	0.6
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD11	13	0.6
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD12	13	0.6
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD13	13	0.6
(1,677)	1:A:33:VAL:HA	1:A:78:VAL:HG11	11	0.6
(1,677)	1:A:33:VAL:HA	1:A:78:VAL:HG12	11	0.6
(1,677)	1:A:33:VAL:HA	1:A:78:VAL:HG13	11	0.6
(1,2992)	1:B:128:LEU:HD11	1:B:128:LEU:H	14	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2992)	1:B:128:LEU:HD12	1:B:128:LEU:H	14	0.6
(1,2992)	1:B:128:LEU:HD13	1:B:128:LEU:H	14	0.6
(1,2622)	1:B:167:VAL:HG21	1:B:171:TRP:HB2	9	0.6
(1,2622)	1:B:167:VAL:HG21	1:B:171:TRP:HB3	9	0.6
(1,2622)	1:B:167:VAL:HG22	1:B:171:TRP:HB2	9	0.6
(1,2622)	1:B:167:VAL:HG22	1:B:171:TRP:HB3	9	0.6
(1,2622)	1:B:167:VAL:HG23	1:B:171:TRP:HB2	9	0.6
(1,2622)	1:B:167:VAL:HG23	1:B:171:TRP:HB3	9	0.6
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD11	4	0.6
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD12	4	0.6
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD13	4	0.6
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD11	14	0.6
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD12	14	0.6
(1,2272)	1:B:152:VAL:HA	1:B:111:LEU:HD13	14	0.6
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD11	14	0.6
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD12	14	0.6
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD13	14	0.6
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG11	13	0.6
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG12	13	0.6
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG13	13	0.6
(1,2190)	1:B:111:LEU:HD21	1:B:159:LYS:HG2	9	0.6
(1,2190)	1:B:111:LEU:HD21	1:B:159:LYS:HG3	9	0.6
(1,2190)	1:B:111:LEU:HD22	1:B:159:LYS:HG2	9	0.6
(1,2190)	1:B:111:LEU:HD22	1:B:159:LYS:HG3	9	0.6
(1,2190)	1:B:111:LEU:HD23	1:B:159:LYS:HG2	9	0.6
(1,2190)	1:B:111:LEU:HD23	1:B:159:LYS:HG3	9	0.6
(1,186)	1:A:78:VAL:HG11	1:A:33:VAL:HA	11	0.6
(1,186)	1:A:78:VAL:HG12	1:A:33:VAL:HA	11	0.6
(1,186)	1:A:78:VAL:HG13	1:A:33:VAL:HA	11	0.6
(1,1813)	1:B:111:LEU:HD21	1:B:159:LYS:HA	9	0.6
(1,1813)	1:B:111:LEU:HD22	1:B:159:LYS:HA	9	0.6
(1,1813)	1:B:111:LEU:HD23	1:B:159:LYS:HA	9	0.6
(1,1426)	1:A:39:LEU:HD11	1:A:39:LEU:H	4	0.6
(1,1426)	1:A:39:LEU:HD12	1:A:39:LEU:H	4	0.6
(1,1426)	1:A:39:LEU:HD13	1:A:39:LEU:H	4	0.6
(1,1426)	1:A:39:LEU:HD11	1:A:39:LEU:H	8	0.6
(1,1426)	1:A:39:LEU:HD12	1:A:39:LEU:H	8	0.6
(1,1426)	1:A:39:LEU:HD13	1:A:39:LEU:H	8	0.6
(1,1426)	1:A:39:LEU:HD11	1:A:39:LEU:H	10	0.6
(1,1426)	1:A:39:LEU:HD12	1:A:39:LEU:H	10	0.6
(1,1426)	1:A:39:LEU:HD13	1:A:39:LEU:H	10	0.6
(1,1426)	1:A:39:LEU:HD11	1:A:39:LEU:H	13	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1426)	1:A:39:LEU:HD12	1:A:39:LEU:H	13	0.6
(1,1426)	1:A:39:LEU:HD13	1:A:39:LEU:H	13	0.6
(1,117)	1:A:55:ILE:HA	1:A:58:VAL:HG21	20	0.6
(1,117)	1:A:55:ILE:HA	1:A:58:VAL:HG22	20	0.6
(1,117)	1:A:55:ILE:HA	1:A:58:VAL:HG23	20	0.6
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG21	11	0.59
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG22	11	0.59
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG23	11	0.59
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG21	17	0.59
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG22	17	0.59
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG23	17	0.59
(1,743)	1:A:79:LYS:H	1:A:78:VAL:HG21	7	0.59
(1,743)	1:A:79:LYS:H	1:A:78:VAL:HG22	7	0.59
(1,743)	1:A:79:LYS:H	1:A:78:VAL:HG23	7	0.59
(1,741)	1:A:33:VAL:HG21	1:A:78:VAL:HG21	20	0.59
(1,741)	1:A:33:VAL:HG21	1:A:78:VAL:HG22	20	0.59
(1,741)	1:A:33:VAL:HG21	1:A:78:VAL:HG23	20	0.59
(1,741)	1:A:33:VAL:HG22	1:A:78:VAL:HG21	20	0.59
(1,741)	1:A:33:VAL:HG22	1:A:78:VAL:HG22	20	0.59
(1,741)	1:A:33:VAL:HG22	1:A:78:VAL:HG23	20	0.59
(1,741)	1:A:33:VAL:HG23	1:A:78:VAL:HG21	20	0.59
(1,741)	1:A:33:VAL:HG23	1:A:78:VAL:HG22	20	0.59
(1,741)	1:A:33:VAL:HG23	1:A:78:VAL:HG23	20	0.59
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD11	5	0.59
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD12	5	0.59
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD13	5	0.59
(1,624)	1:A:22:LEU:HD21	1:A:70:LYS:HG2	11	0.59
(1,624)	1:A:22:LEU:HD21	1:A:70:LYS:HG3	11	0.59
(1,624)	1:A:22:LEU:HD22	1:A:70:LYS:HG2	11	0.59
(1,624)	1:A:22:LEU:HD22	1:A:70:LYS:HG3	11	0.59
(1,624)	1:A:22:LEU:HD23	1:A:70:LYS:HG2	11	0.59
(1,624)	1:A:22:LEU:HD23	1:A:70:LYS:HG3	11	0.59
(1,2992)	1:B:128:LEU:HD11	1:B:128:LEU:H	9	0.59
(1,2992)	1:B:128:LEU:HD12	1:B:128:LEU:H	9	0.59
(1,2992)	1:B:128:LEU:HD13	1:B:128:LEU:H	9	0.59
(1,2622)	1:B:167:VAL:HG21	1:B:171:TRP:HB2	10	0.59
(1,2622)	1:B:167:VAL:HG21	1:B:171:TRP:HB3	10	0.59
(1,2622)	1:B:167:VAL:HG22	1:B:171:TRP:HB2	10	0.59
(1,2622)	1:B:167:VAL:HG22	1:B:171:TRP:HB3	10	0.59
(1,2622)	1:B:167:VAL:HG23	1:B:171:TRP:HB2	10	0.59
(1,2622)	1:B:167:VAL:HG23	1:B:171:TRP:HB3	10	0.59
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA2	17	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA3	17	0.59
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA2	17	0.59
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA3	17	0.59
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA2	17	0.59
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA3	17	0.59
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD11	9	0.59
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD12	9	0.59
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD13	9	0.59
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG11	4	0.59
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG12	4	0.59
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG13	4	0.59
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG11	6	0.59
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG12	6	0.59
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG13	6	0.59
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG11	15	0.59
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG12	15	0.59
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG13	15	0.59
(1,1813)	1:B:111:LEU:HD21	1:B:159:LYS:HA	4	0.59
(1,1813)	1:B:111:LEU:HD22	1:B:159:LYS:HA	4	0.59
(1,1813)	1:B:111:LEU:HD23	1:B:159:LYS:HA	4	0.59
(1,1801)	1:B:113:VAL:HG21	1:B:118:GLN:HA	8	0.59
(1,1801)	1:B:113:VAL:HG22	1:B:118:GLN:HA	8	0.59
(1,1801)	1:B:113:VAL:HG23	1:B:118:GLN:HA	8	0.59
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG21	15	0.59
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG22	15	0.59
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG23	15	0.59
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG21	15	0.59
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG22	15	0.59
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG23	15	0.59
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG21	15	0.59
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG22	15	0.59
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG23	15	0.59
(1,1426)	1:A:39:LEU:HD11	1:A:39:LEU:H	5	0.59
(1,1426)	1:A:39:LEU:HD12	1:A:39:LEU:H	5	0.59
(1,1426)	1:A:39:LEU:HD13	1:A:39:LEU:H	5	0.59
(1,1387)	1:A:78:VAL:HG21	1:A:37:GLU:H	17	0.59
(1,1387)	1:A:78:VAL:HG22	1:A:37:GLU:H	17	0.59
(1,1387)	1:A:78:VAL:HG23	1:A:37:GLU:H	17	0.59
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG21	2	0.58
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG22	2	0.58
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG23	2	0.58
(1,701)	1:A:55:ILE:HA	1:A:58:VAL:HG11	16	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,701)	1:A:55:ILE:HA	1:A:58:VAL:HG12	16	0.58
(1,701)	1:A:55:ILE:HA	1:A:58:VAL:HG13	16	0.58
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD11	17	0.58
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD12	17	0.58
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD13	17	0.58
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD11	20	0.58
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD12	20	0.58
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD13	20	0.58
(1,3065)	1:B:111:LEU:HD11	1:B:112:ALA:H	9	0.58
(1,3065)	1:B:111:LEU:HD12	1:B:112:ALA:H	9	0.58
(1,3065)	1:B:111:LEU:HD13	1:B:112:ALA:H	9	0.58
(1,3065)	1:B:111:LEU:HD11	1:B:112:ALA:H	20	0.58
(1,3065)	1:B:111:LEU:HD12	1:B:112:ALA:H	20	0.58
(1,3065)	1:B:111:LEU:HD13	1:B:112:ALA:H	20	0.58
(1,2992)	1:B:128:LEU:HD11	1:B:128:LEU:H	15	0.58
(1,2992)	1:B:128:LEU:HD12	1:B:128:LEU:H	15	0.58
(1,2992)	1:B:128:LEU:HD13	1:B:128:LEU:H	15	0.58
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB1	1	0.58
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB2	1	0.58
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB3	1	0.58
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB1	1	0.58
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB2	1	0.58
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB3	1	0.58
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB1	1	0.58
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB2	1	0.58
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB3	1	0.58
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD11	9	0.58
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD12	9	0.58
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD13	9	0.58
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD11	20	0.58
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD12	20	0.58
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD13	20	0.58
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD11	15	0.58
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD12	15	0.58
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD13	15	0.58
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG11	1	0.58
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG12	1	0.58
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG13	1	0.58
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG11	1	0.58
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG12	1	0.58
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG13	1	0.58
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG11	1	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG12	1	0.58
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG13	1	0.58
(1,2245)	1:B:102:VAL:HG21	1:B:167:VAL:HG11	18	0.58
(1,2245)	1:B:102:VAL:HG21	1:B:167:VAL:HG12	18	0.58
(1,2245)	1:B:102:VAL:HG21	1:B:167:VAL:HG13	18	0.58
(1,2245)	1:B:102:VAL:HG22	1:B:167:VAL:HG11	18	0.58
(1,2245)	1:B:102:VAL:HG22	1:B:167:VAL:HG12	18	0.58
(1,2245)	1:B:102:VAL:HG22	1:B:167:VAL:HG13	18	0.58
(1,2245)	1:B:102:VAL:HG23	1:B:167:VAL:HG11	18	0.58
(1,2245)	1:B:102:VAL:HG23	1:B:167:VAL:HG12	18	0.58
(1,2245)	1:B:102:VAL:HG23	1:B:167:VAL:HG13	18	0.58
(1,2243)	1:B:122:VAL:HA	1:B:167:VAL:HG11	9	0.58
(1,2243)	1:B:122:VAL:HA	1:B:167:VAL:HG12	9	0.58
(1,2243)	1:B:122:VAL:HA	1:B:167:VAL:HG13	9	0.58
(1,2190)	1:B:111:LEU:HD21	1:B:159:LYS:HG2	20	0.58
(1,2190)	1:B:111:LEU:HD21	1:B:159:LYS:HG3	20	0.58
(1,2190)	1:B:111:LEU:HD22	1:B:159:LYS:HG2	20	0.58
(1,2190)	1:B:111:LEU:HD22	1:B:159:LYS:HG3	20	0.58
(1,2190)	1:B:111:LEU:HD23	1:B:159:LYS:HG2	20	0.58
(1,2190)	1:B:111:LEU:HD23	1:B:159:LYS:HG3	20	0.58
(1,1752)	1:B:167:VAL:HG11	1:B:122:VAL:HA	9	0.58
(1,1752)	1:B:167:VAL:HG12	1:B:122:VAL:HA	9	0.58
(1,1752)	1:B:167:VAL:HG13	1:B:122:VAL:HA	9	0.58
(1,164)	1:A:78:VAL:HG11	1:A:62:ILE:HG21	3	0.58
(1,164)	1:A:78:VAL:HG11	1:A:62:ILE:HG22	3	0.58
(1,164)	1:A:78:VAL:HG11	1:A:62:ILE:HG23	3	0.58
(1,164)	1:A:78:VAL:HG12	1:A:62:ILE:HG21	3	0.58
(1,164)	1:A:78:VAL:HG12	1:A:62:ILE:HG22	3	0.58
(1,164)	1:A:78:VAL:HG12	1:A:62:ILE:HG23	3	0.58
(1,164)	1:A:78:VAL:HG13	1:A:62:ILE:HG21	3	0.58
(1,164)	1:A:78:VAL:HG13	1:A:62:ILE:HG22	3	0.58
(1,164)	1:A:78:VAL:HG13	1:A:62:ILE:HG23	3	0.58
(1,1426)	1:A:39:LEU:HD11	1:A:39:LEU:H	17	0.58
(1,1426)	1:A:39:LEU:HD12	1:A:39:LEU:H	17	0.58
(1,1426)	1:A:39:LEU:HD13	1:A:39:LEU:H	17	0.58
(1,1426)	1:A:39:LEU:HD11	1:A:39:LEU:H	20	0.58
(1,1426)	1:A:39:LEU:HD12	1:A:39:LEU:H	20	0.58
(1,1426)	1:A:39:LEU:HD13	1:A:39:LEU:H	20	0.58
(1,1387)	1:A:78:VAL:HG21	1:A:37:GLU:H	2	0.58
(1,1387)	1:A:78:VAL:HG22	1:A:37:GLU:H	2	0.58
(1,1387)	1:A:78:VAL:HG23	1:A:37:GLU:H	2	0.58
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD11	8	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD12	8	0.57
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD13	8	0.57
(1,856)	1:A:35:PHE:HB2	1:A:39:LEU:HD11	19	0.57
(1,856)	1:A:35:PHE:HB2	1:A:39:LEU:HD12	19	0.57
(1,856)	1:A:35:PHE:HB2	1:A:39:LEU:HD13	19	0.57
(1,856)	1:A:35:PHE:HB3	1:A:39:LEU:HD11	19	0.57
(1,856)	1:A:35:PHE:HB3	1:A:39:LEU:HD12	19	0.57
(1,856)	1:A:35:PHE:HB3	1:A:39:LEU:HD13	19	0.57
(1,805)	1:A:33:VAL:HG11	1:A:62:ILE:HD11	4	0.57
(1,805)	1:A:33:VAL:HG11	1:A:62:ILE:HD12	4	0.57
(1,805)	1:A:33:VAL:HG11	1:A:62:ILE:HD13	4	0.57
(1,805)	1:A:33:VAL:HG12	1:A:62:ILE:HD11	4	0.57
(1,805)	1:A:33:VAL:HG12	1:A:62:ILE:HD12	4	0.57
(1,805)	1:A:33:VAL:HG12	1:A:62:ILE:HD13	4	0.57
(1,805)	1:A:33:VAL:HG13	1:A:62:ILE:HD11	4	0.57
(1,805)	1:A:33:VAL:HG13	1:A:62:ILE:HD12	4	0.57
(1,805)	1:A:33:VAL:HG13	1:A:62:ILE:HD13	4	0.57
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG21	8	0.57
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG22	8	0.57
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG23	8	0.57
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG21	8	0.57
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG22	8	0.57
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG23	8	0.57
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG21	8	0.57
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG22	8	0.57
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG23	8	0.57
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD11	6	0.57
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD12	6	0.57
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD13	6	0.57
(1,698)	1:A:29:GLN:HG2	1:A:63:VAL:HG11	12	0.57
(1,698)	1:A:29:GLN:HG2	1:A:63:VAL:HG12	12	0.57
(1,698)	1:A:29:GLN:HG2	1:A:63:VAL:HG13	12	0.57
(1,698)	1:A:29:GLN:HG3	1:A:63:VAL:HG11	12	0.57
(1,698)	1:A:29:GLN:HG3	1:A:63:VAL:HG12	12	0.57
(1,698)	1:A:29:GLN:HG3	1:A:63:VAL:HG13	12	0.57
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG11	8	0.57
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG12	8	0.57
(1,697)	1:A:29:GLN:HB2	1:A:63:VAL:HG13	8	0.57
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG11	8	0.57
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG12	8	0.57
(1,697)	1:A:29:GLN:HB3	1:A:63:VAL:HG13	8	0.57
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD11	2	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD12	2	0.57
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD13	2	0.57
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD11	2	0.57
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD12	2	0.57
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD13	2	0.57
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD11	2	0.57
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD12	2	0.57
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD13	2	0.57
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD11	12	0.57
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD12	12	0.57
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD13	12	0.57
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG11	13	0.57
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG12	13	0.57
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG13	13	0.57
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG11	14	0.57
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG12	14	0.57
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG13	14	0.57
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG11	14	0.57
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG12	14	0.57
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG13	14	0.57
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG11	14	0.57
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG12	14	0.57
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG13	14	0.57
(1,2662)	1:B:111:LEU:HD11	1:B:108:GLU:HA	7	0.57
(1,2662)	1:B:111:LEU:HD12	1:B:108:GLU:HA	7	0.57
(1,2662)	1:B:111:LEU:HD13	1:B:108:GLU:HA	7	0.57
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG21	13	0.57
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG22	13	0.57
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG23	13	0.57
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG21	13	0.57
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG22	13	0.57
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG23	13	0.57
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG21	13	0.57
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG22	13	0.57
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG23	13	0.57
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA2	12	0.57
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA3	12	0.57
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA2	12	0.57
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA3	12	0.57
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA2	12	0.57
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA3	12	0.57
(1,247)	1:A:22:LEU:HD21	1:A:70:LYS:HA	6	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,247)	1:A:22:LEU:HD22	1:A:70:LYS:HA	6	0.57
(1,247)	1:A:22:LEU:HD23	1:A:70:LYS:HA	6	0.57
(1,2460)	1:B:108:GLU:HA	1:B:111:LEU:HD11	7	0.57
(1,2460)	1:B:108:GLU:HA	1:B:111:LEU:HD12	7	0.57
(1,2460)	1:B:108:GLU:HA	1:B:111:LEU:HD13	7	0.57
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB1	8	0.57
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB2	8	0.57
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB3	8	0.57
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB1	8	0.57
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB2	8	0.57
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB3	8	0.57
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB1	8	0.57
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB2	8	0.57
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB3	8	0.57
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG21	18	0.57
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG22	18	0.57
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG23	18	0.57
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG21	18	0.57
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG22	18	0.57
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG23	18	0.57
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG21	18	0.57
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG22	18	0.57
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG23	18	0.57
(1,2267)	1:B:144:ILE:HA	1:B:147:VAL:HG11	4	0.57
(1,2267)	1:B:144:ILE:HA	1:B:147:VAL:HG12	4	0.57
(1,2267)	1:B:144:ILE:HA	1:B:147:VAL:HG13	4	0.57
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG11	8	0.57
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG12	8	0.57
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG13	8	0.57
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG11	8	0.57
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG12	8	0.57
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG13	8	0.57
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG11	8	0.57
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG12	8	0.57
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG13	8	0.57
(1,2040)	1:B:113:VAL:HG21	1:B:118:GLN:HG2	2	0.57
(1,2040)	1:B:113:VAL:HG21	1:B:118:GLN:HG3	2	0.57
(1,2040)	1:B:113:VAL:HG22	1:B:118:GLN:HG2	2	0.57
(1,2040)	1:B:113:VAL:HG22	1:B:118:GLN:HG3	2	0.57
(1,2040)	1:B:113:VAL:HG23	1:B:118:GLN:HG2	2	0.57
(1,2040)	1:B:113:VAL:HG23	1:B:118:GLN:HG3	2	0.57
(1,2033)	1:B:113:VAL:HG21	1:B:118:GLN:HG2	2	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2033)	1:B:113:VAL:HG21	1:B:118:GLN:HG3	2	0.57
(1,2033)	1:B:113:VAL:HG22	1:B:118:GLN:HG2	2	0.57
(1,2033)	1:B:113:VAL:HG22	1:B:118:GLN:HG3	2	0.57
(1,2033)	1:B:113:VAL:HG23	1:B:118:GLN:HG2	2	0.57
(1,2033)	1:B:113:VAL:HG23	1:B:118:GLN:HG3	2	0.57
(1,1730)	1:B:167:VAL:HG11	1:B:151:ILE:HG21	10	0.57
(1,1730)	1:B:167:VAL:HG11	1:B:151:ILE:HG22	10	0.57
(1,1730)	1:B:167:VAL:HG11	1:B:151:ILE:HG23	10	0.57
(1,1730)	1:B:167:VAL:HG12	1:B:151:ILE:HG21	10	0.57
(1,1730)	1:B:167:VAL:HG12	1:B:151:ILE:HG22	10	0.57
(1,1730)	1:B:167:VAL:HG12	1:B:151:ILE:HG23	10	0.57
(1,1730)	1:B:167:VAL:HG13	1:B:151:ILE:HG21	10	0.57
(1,1730)	1:B:167:VAL:HG13	1:B:151:ILE:HG22	10	0.57
(1,1730)	1:B:167:VAL:HG13	1:B:151:ILE:HG23	10	0.57
(1,1499)	1:A:22:LEU:HD11	1:A:23:ALA:H	6	0.57
(1,1499)	1:A:22:LEU:HD12	1:A:23:ALA:H	6	0.57
(1,1499)	1:A:22:LEU:HD13	1:A:23:ALA:H	6	0.57
(1,1426)	1:A:39:LEU:HD11	1:A:39:LEU:H	12	0.57
(1,1426)	1:A:39:LEU:HD12	1:A:39:LEU:H	12	0.57
(1,1426)	1:A:39:LEU:HD13	1:A:39:LEU:H	12	0.57
(1,117)	1:A:55:ILE:HA	1:A:58:VAL:HG21	1	0.57
(1,117)	1:A:55:ILE:HA	1:A:58:VAL:HG22	1	0.57
(1,117)	1:A:55:ILE:HA	1:A:58:VAL:HG23	1	0.57
(1,117)	1:A:55:ILE:HA	1:A:58:VAL:HG21	9	0.57
(1,117)	1:A:55:ILE:HA	1:A:58:VAL:HG22	9	0.57
(1,117)	1:A:55:ILE:HA	1:A:58:VAL:HG23	9	0.57
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA2	16	0.56
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA3	16	0.56
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA2	16	0.56
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA3	16	0.56
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA2	16	0.56
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA3	16	0.56
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG21	9	0.56
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG22	9	0.56
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG23	9	0.56
(1,731)	1:A:55:ILE:HD11	1:A:33:VAL:HG21	4	0.56
(1,731)	1:A:55:ILE:HD11	1:A:33:VAL:HG22	4	0.56
(1,731)	1:A:55:ILE:HD11	1:A:33:VAL:HG23	4	0.56
(1,731)	1:A:55:ILE:HD12	1:A:33:VAL:HG21	4	0.56
(1,731)	1:A:55:ILE:HD12	1:A:33:VAL:HG22	4	0.56
(1,731)	1:A:55:ILE:HD12	1:A:33:VAL:HG23	4	0.56
(1,731)	1:A:55:ILE:HD13	1:A:33:VAL:HG21	4	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,731)	1:A:55:ILE:HD13	1:A:33:VAL:HG22	4	0.56
(1,731)	1:A:55:ILE:HD13	1:A:33:VAL:HG23	4	0.56
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD11	7	0.56
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD12	7	0.56
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD13	7	0.56
(1,670)	1:A:39:LEU:HD11	1:A:42:LYS:HG2	17	0.56
(1,670)	1:A:39:LEU:HD11	1:A:42:LYS:HG3	17	0.56
(1,670)	1:A:39:LEU:HD12	1:A:42:LYS:HG2	17	0.56
(1,670)	1:A:39:LEU:HD12	1:A:42:LYS:HG3	17	0.56
(1,670)	1:A:39:LEU:HD13	1:A:42:LYS:HG2	17	0.56
(1,670)	1:A:39:LEU:HD13	1:A:42:LYS:HG3	17	0.56
(1,58)	1:A:22:LEU:HD21	1:A:67:THR:HA	1	0.56
(1,58)	1:A:22:LEU:HD22	1:A:67:THR:HA	1	0.56
(1,58)	1:A:22:LEU:HD23	1:A:67:THR:HA	1	0.56
(1,58)	1:A:22:LEU:HD21	1:A:67:THR:HA	9	0.56
(1,58)	1:A:22:LEU:HD22	1:A:67:THR:HA	9	0.56
(1,58)	1:A:22:LEU:HD23	1:A:67:THR:HA	9	0.56
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG21	11	0.56
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG22	11	0.56
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG23	11	0.56
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG21	20	0.56
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG22	20	0.56
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG23	20	0.56
(1,2264)	1:B:118:GLN:HG2	1:B:152:VAL:HG11	9	0.56
(1,2264)	1:B:118:GLN:HG2	1:B:152:VAL:HG12	9	0.56
(1,2264)	1:B:118:GLN:HG2	1:B:152:VAL:HG13	9	0.56
(1,2264)	1:B:118:GLN:HG3	1:B:152:VAL:HG11	9	0.56
(1,2264)	1:B:118:GLN:HG3	1:B:152:VAL:HG12	9	0.56
(1,2264)	1:B:118:GLN:HG3	1:B:152:VAL:HG13	9	0.56
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG11	14	0.56
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG12	14	0.56
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG13	14	0.56
(1,1813)	1:B:111:LEU:HD21	1:B:159:LYS:HA	10	0.56
(1,1813)	1:B:111:LEU:HD22	1:B:159:LYS:HA	10	0.56
(1,1813)	1:B:111:LEU:HD23	1:B:159:LYS:HA	10	0.56
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG21	9	0.56
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG22	9	0.56
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG23	9	0.56
(1,164)	1:A:78:VAL:HG11	1:A:62:ILE:HG21	9	0.56
(1,164)	1:A:78:VAL:HG11	1:A:62:ILE:HG22	9	0.56
(1,164)	1:A:78:VAL:HG11	1:A:62:ILE:HG23	9	0.56
(1,164)	1:A:78:VAL:HG12	1:A:62:ILE:HG21	9	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,164)	1:A:78:VAL:HG12	1:A:62:ILE:HG22	9	0.56
(1,164)	1:A:78:VAL:HG12	1:A:62:ILE:HG23	9	0.56
(1,164)	1:A:78:VAL:HG13	1:A:62:ILE:HG21	9	0.56
(1,164)	1:A:78:VAL:HG13	1:A:62:ILE:HG22	9	0.56
(1,164)	1:A:78:VAL:HG13	1:A:62:ILE:HG23	9	0.56
(1,1426)	1:A:39:LEU:HD11	1:A:39:LEU:H	7	0.56
(1,1426)	1:A:39:LEU:HD12	1:A:39:LEU:H	7	0.56
(1,1426)	1:A:39:LEU:HD13	1:A:39:LEU:H	7	0.56
(1,117)	1:A:55:ILE:HA	1:A:58:VAL:HG21	11	0.56
(1,117)	1:A:55:ILE:HA	1:A:58:VAL:HG22	11	0.56
(1,117)	1:A:55:ILE:HA	1:A:58:VAL:HG23	11	0.56
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD21	1	0.56
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD22	1	0.56
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD23	1	0.56
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD21	9	0.56
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD22	9	0.56
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD23	9	0.56
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG21	17	0.55
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG22	17	0.55
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG23	17	0.55
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD11	15	0.55
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD12	15	0.55
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD13	15	0.55
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD11	15	0.55
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD12	15	0.55
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD13	15	0.55
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD11	15	0.55
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD12	15	0.55
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD13	15	0.55
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD11	1	0.55
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD12	1	0.55
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD13	1	0.55
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD11	16	0.55
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD12	16	0.55
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD13	16	0.55
(1,649)	1:A:30:PRO:HA	1:A:33:VAL:HG11	20	0.55
(1,649)	1:A:30:PRO:HA	1:A:33:VAL:HG12	20	0.55
(1,649)	1:A:30:PRO:HA	1:A:33:VAL:HG13	20	0.55
(1,624)	1:A:22:LEU:HD21	1:A:70:LYS:HG2	12	0.55
(1,624)	1:A:22:LEU:HD21	1:A:70:LYS:HG3	12	0.55
(1,624)	1:A:22:LEU:HD22	1:A:70:LYS:HG2	12	0.55
(1,624)	1:A:22:LEU:HD22	1:A:70:LYS:HG3	12	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,624)	1:A:22:LEU:HD23	1:A:70:LYS:HG2	12	0.55
(1,624)	1:A:22:LEU:HD23	1:A:70:LYS:HG3	12	0.55
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD11	8	0.55
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD12	8	0.55
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD13	8	0.55
(1,2236)	1:B:128:LEU:HD11	1:B:131:LYS:HG2	3	0.55
(1,2236)	1:B:128:LEU:HD11	1:B:131:LYS:HG3	3	0.55
(1,2236)	1:B:128:LEU:HD12	1:B:131:LYS:HG2	3	0.55
(1,2236)	1:B:128:LEU:HD12	1:B:131:LYS:HG3	3	0.55
(1,2236)	1:B:128:LEU:HD13	1:B:131:LYS:HG2	3	0.55
(1,2236)	1:B:128:LEU:HD13	1:B:131:LYS:HG3	3	0.55
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG21	17	0.55
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG22	17	0.55
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG23	17	0.55
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG21	17	0.55
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG22	17	0.55
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG23	17	0.55
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG21	17	0.55
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG22	17	0.55
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG23	17	0.55
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG21	20	0.55
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG22	20	0.55
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG23	20	0.55
(1,1426)	1:A:39:LEU:HD11	1:A:39:LEU:H	1	0.55
(1,1426)	1:A:39:LEU:HD12	1:A:39:LEU:H	1	0.55
(1,1426)	1:A:39:LEU:HD13	1:A:39:LEU:H	1	0.55
(1,1426)	1:A:39:LEU:HD11	1:A:39:LEU:H	16	0.55
(1,1426)	1:A:39:LEU:HD12	1:A:39:LEU:H	16	0.55
(1,1426)	1:A:39:LEU:HD13	1:A:39:LEU:H	16	0.55
(1,117)	1:A:55:ILE:HA	1:A:58:VAL:HG21	12	0.55
(1,117)	1:A:55:ILE:HA	1:A:58:VAL:HG22	12	0.55
(1,117)	1:A:55:ILE:HA	1:A:58:VAL:HG23	12	0.55
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG21	13	0.54
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG22	13	0.54
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG23	13	0.54
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG21	13	0.54
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG22	13	0.54
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG23	13	0.54
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG21	13	0.54
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG22	13	0.54
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG23	13	0.54
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG21	16	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG22	16	0.54
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG23	16	0.54
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG21	16	0.54
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG22	16	0.54
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG23	16	0.54
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG21	16	0.54
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG22	16	0.54
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG23	16	0.54
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG21	18	0.54
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG22	18	0.54
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG23	18	0.54
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG21	20	0.54
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG22	20	0.54
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG23	20	0.54
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG21	4	0.54
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG22	4	0.54
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG23	4	0.54
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD11	15	0.54
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD12	15	0.54
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD13	15	0.54
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD11	15	0.54
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD12	15	0.54
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD13	15	0.54
(1,705)	1:A:85:ILE:HD11	1:A:58:VAL:HG11	7	0.54
(1,705)	1:A:85:ILE:HD11	1:A:58:VAL:HG12	7	0.54
(1,705)	1:A:85:ILE:HD11	1:A:58:VAL:HG13	7	0.54
(1,705)	1:A:85:ILE:HD12	1:A:58:VAL:HG11	7	0.54
(1,705)	1:A:85:ILE:HD12	1:A:58:VAL:HG12	7	0.54
(1,705)	1:A:85:ILE:HD12	1:A:58:VAL:HG13	7	0.54
(1,705)	1:A:85:ILE:HD13	1:A:58:VAL:HG11	7	0.54
(1,705)	1:A:85:ILE:HD13	1:A:58:VAL:HG12	7	0.54
(1,705)	1:A:85:ILE:HD13	1:A:58:VAL:HG13	7	0.54
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD11	18	0.54
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD12	18	0.54
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD13	18	0.54
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG11	1	0.54
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG12	1	0.54
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG13	1	0.54
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG11	1	0.54
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG12	1	0.54
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG13	1	0.54
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG11	1	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG12	1	0.54
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG13	1	0.54
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG11	19	0.54
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG12	19	0.54
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG13	19	0.54
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG11	19	0.54
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG12	19	0.54
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG13	19	0.54
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG11	19	0.54
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG12	19	0.54
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG13	19	0.54
(1,635)	1:A:22:LEU:H	1:A:22:LEU:HD21	19	0.54
(1,635)	1:A:22:LEU:H	1:A:22:LEU:HD22	19	0.54
(1,635)	1:A:22:LEU:H	1:A:22:LEU:HD23	19	0.54
(1,3065)	1:B:111:LEU:HD11	1:B:112:ALA:H	1	0.54
(1,3065)	1:B:111:LEU:HD12	1:B:112:ALA:H	1	0.54
(1,3065)	1:B:111:LEU:HD13	1:B:112:ALA:H	1	0.54
(1,2953)	1:B:167:VAL:HG21	1:B:126:GLU:H	3	0.54
(1,2953)	1:B:167:VAL:HG22	1:B:126:GLU:H	3	0.54
(1,2953)	1:B:167:VAL:HG23	1:B:126:GLU:H	3	0.54
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD11	1	0.54
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD12	1	0.54
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD13	1	0.54
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG21	3	0.54
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG22	3	0.54
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG23	3	0.54
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG21	9	0.54
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG22	9	0.54
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG23	9	0.54
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG21	19	0.54
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG22	19	0.54
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG23	19	0.54
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG21	3	0.54
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG22	3	0.54
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG23	3	0.54
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD11	1	0.54
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD12	1	0.54
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD13	1	0.54
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG11	7	0.54
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG12	7	0.54
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG13	7	0.54
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG11	7	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG12	7	0.54
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG13	7	0.54
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD11	1	0.54
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD12	1	0.54
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD13	1	0.54
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD11	1	0.54
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD12	1	0.54
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD13	1	0.54
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD11	1	0.54
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD12	1	0.54
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD13	1	0.54
(1,2243)	1:B:122:VAL:HA	1:B:167:VAL:HG11	6	0.54
(1,2243)	1:B:122:VAL:HA	1:B:167:VAL:HG12	6	0.54
(1,2243)	1:B:122:VAL:HA	1:B:167:VAL:HG13	6	0.54
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG11	17	0.54
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG12	17	0.54
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG13	17	0.54
(1,2196)	1:B:111:LEU:HD21	1:B:159:LYS:HG2	14	0.54
(1,2196)	1:B:111:LEU:HD21	1:B:159:LYS:HG3	14	0.54
(1,2196)	1:B:111:LEU:HD22	1:B:159:LYS:HG2	14	0.54
(1,2196)	1:B:111:LEU:HD22	1:B:159:LYS:HG3	14	0.54
(1,2196)	1:B:111:LEU:HD23	1:B:159:LYS:HG2	14	0.54
(1,2196)	1:B:111:LEU:HD23	1:B:159:LYS:HG3	14	0.54
(1,1752)	1:B:167:VAL:HG11	1:B:122:VAL:HA	6	0.54
(1,1752)	1:B:167:VAL:HG12	1:B:122:VAL:HA	6	0.54
(1,1752)	1:B:167:VAL:HG13	1:B:122:VAL:HA	6	0.54
(1,1707)	1:B:144:ILE:HG12	1:B:122:VAL:HG21	2	0.54
(1,1707)	1:B:144:ILE:HG12	1:B:122:VAL:HG22	2	0.54
(1,1707)	1:B:144:ILE:HG12	1:B:122:VAL:HG23	2	0.54
(1,1707)	1:B:144:ILE:HG13	1:B:122:VAL:HG21	2	0.54
(1,1707)	1:B:144:ILE:HG13	1:B:122:VAL:HG22	2	0.54
(1,1707)	1:B:144:ILE:HG13	1:B:122:VAL:HG23	2	0.54
(1,1499)	1:A:22:LEU:HD11	1:A:23:ALA:H	15	0.54
(1,1499)	1:A:22:LEU:HD12	1:A:23:ALA:H	15	0.54
(1,1499)	1:A:22:LEU:HD13	1:A:23:ALA:H	15	0.54
(1,1497)	1:A:22:LEU:HD21	1:A:22:LEU:H	19	0.54
(1,1497)	1:A:22:LEU:HD22	1:A:22:LEU:H	19	0.54
(1,1497)	1:A:22:LEU:HD23	1:A:22:LEU:H	19	0.54
(1,1426)	1:A:39:LEU:HD11	1:A:39:LEU:H	18	0.54
(1,1426)	1:A:39:LEU:HD12	1:A:39:LEU:H	18	0.54
(1,1426)	1:A:39:LEU:HD13	1:A:39:LEU:H	18	0.54
(1,1387)	1:A:78:VAL:HG21	1:A:37:GLU:H	4	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1387)	1:A:78:VAL:HG22	1:A:37:GLU:H	4	0.54
(1,1387)	1:A:78:VAL:HG23	1:A:37:GLU:H	4	0.54
(1,1352)	1:A:24:VAL:HG21	1:A:28:PHE:H	4	0.54
(1,1352)	1:A:24:VAL:HG22	1:A:28:PHE:H	4	0.54
(1,1352)	1:A:24:VAL:HG23	1:A:28:PHE:H	4	0.54
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA2	5	0.53
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA3	5	0.53
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA2	5	0.53
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA3	5	0.53
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA2	5	0.53
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA3	5	0.53
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA2	12	0.53
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA3	12	0.53
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA2	12	0.53
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA3	12	0.53
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA2	12	0.53
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA3	12	0.53
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG21	12	0.53
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG22	12	0.53
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG23	12	0.53
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG21	15	0.53
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG22	15	0.53
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG23	15	0.53
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG11	8	0.53
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG12	8	0.53
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG13	8	0.53
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG11	8	0.53
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG12	8	0.53
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG13	8	0.53
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG11	8	0.53
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG12	8	0.53
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG13	8	0.53
(1,58)	1:A:22:LEU:HD21	1:A:67:THR:HA	11	0.53
(1,58)	1:A:22:LEU:HD22	1:A:67:THR:HA	11	0.53
(1,58)	1:A:22:LEU:HD23	1:A:67:THR:HA	11	0.53
(1,3063)	1:B:111:LEU:HD21	1:B:111:LEU:H	16	0.53
(1,3063)	1:B:111:LEU:HD22	1:B:111:LEU:H	16	0.53
(1,3063)	1:B:111:LEU:HD23	1:B:111:LEU:H	16	0.53
(1,2953)	1:B:167:VAL:HG21	1:B:126:GLU:H	16	0.53
(1,2953)	1:B:167:VAL:HG22	1:B:126:GLU:H	16	0.53
(1,2953)	1:B:167:VAL:HG23	1:B:126:GLU:H	16	0.53
(1,247)	1:A:22:LEU:HD21	1:A:70:LYS:HA	4	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,247)	1:A:22:LEU:HD22	1:A:70:LYS:HA	4	0.53
(1,247)	1:A:22:LEU:HD23	1:A:70:LYS:HA	4	0.53
(1,2371)	1:B:122:VAL:HG11	1:B:151:ILE:HD11	16	0.53
(1,2371)	1:B:122:VAL:HG11	1:B:151:ILE:HD12	16	0.53
(1,2371)	1:B:122:VAL:HG11	1:B:151:ILE:HD13	16	0.53
(1,2371)	1:B:122:VAL:HG12	1:B:151:ILE:HD11	16	0.53
(1,2371)	1:B:122:VAL:HG12	1:B:151:ILE:HD12	16	0.53
(1,2371)	1:B:122:VAL:HG12	1:B:151:ILE:HD13	16	0.53
(1,2371)	1:B:122:VAL:HG13	1:B:151:ILE:HD11	16	0.53
(1,2371)	1:B:122:VAL:HG13	1:B:151:ILE:HD12	16	0.53
(1,2371)	1:B:122:VAL:HG13	1:B:151:ILE:HD13	16	0.53
(1,235)	1:A:24:VAL:HG21	1:A:29:GLN:HA	1	0.53
(1,235)	1:A:24:VAL:HG22	1:A:29:GLN:HA	1	0.53
(1,235)	1:A:24:VAL:HG23	1:A:29:GLN:HA	1	0.53
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG21	16	0.53
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG22	16	0.53
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG23	16	0.53
(1,2309)	1:B:168:LYS:H	1:B:167:VAL:HG21	3	0.53
(1,2309)	1:B:168:LYS:H	1:B:167:VAL:HG22	3	0.53
(1,2309)	1:B:168:LYS:H	1:B:167:VAL:HG23	3	0.53
(1,2264)	1:B:118:GLN:HG2	1:B:152:VAL:HG11	6	0.53
(1,2264)	1:B:118:GLN:HG2	1:B:152:VAL:HG12	6	0.53
(1,2264)	1:B:118:GLN:HG2	1:B:152:VAL:HG13	6	0.53
(1,2264)	1:B:118:GLN:HG3	1:B:152:VAL:HG11	6	0.53
(1,2264)	1:B:118:GLN:HG3	1:B:152:VAL:HG12	6	0.53
(1,2264)	1:B:118:GLN:HG3	1:B:152:VAL:HG13	6	0.53
(1,2264)	1:B:118:GLN:HG2	1:B:152:VAL:HG11	16	0.53
(1,2264)	1:B:118:GLN:HG2	1:B:152:VAL:HG12	16	0.53
(1,2264)	1:B:118:GLN:HG2	1:B:152:VAL:HG13	16	0.53
(1,2264)	1:B:118:GLN:HG3	1:B:152:VAL:HG11	16	0.53
(1,2264)	1:B:118:GLN:HG3	1:B:152:VAL:HG12	16	0.53
(1,2264)	1:B:118:GLN:HG3	1:B:152:VAL:HG13	16	0.53
(1,2201)	1:B:111:LEU:H	1:B:111:LEU:HD21	16	0.53
(1,2201)	1:B:111:LEU:H	1:B:111:LEU:HD22	16	0.53
(1,2201)	1:B:111:LEU:H	1:B:111:LEU:HD23	16	0.53
(1,2190)	1:B:111:LEU:HD21	1:B:159:LYS:HG2	1	0.53
(1,2190)	1:B:111:LEU:HD21	1:B:159:LYS:HG3	1	0.53
(1,2190)	1:B:111:LEU:HD22	1:B:159:LYS:HG2	1	0.53
(1,2190)	1:B:111:LEU:HD22	1:B:159:LYS:HG3	1	0.53
(1,2190)	1:B:111:LEU:HD23	1:B:159:LYS:HG2	1	0.53
(1,2190)	1:B:111:LEU:HD23	1:B:159:LYS:HG3	1	0.53
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG21	3	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG22	3	0.53
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG23	3	0.53
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG21	4	0.53
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG22	4	0.53
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG23	4	0.53
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG21	4	0.53
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG22	4	0.53
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG23	4	0.53
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG21	4	0.53
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG22	4	0.53
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG23	4	0.53
(1,141)	1:A:55:ILE:HG12	1:A:33:VAL:HG21	20	0.53
(1,141)	1:A:55:ILE:HG12	1:A:33:VAL:HG22	20	0.53
(1,141)	1:A:55:ILE:HG12	1:A:33:VAL:HG23	20	0.53
(1,141)	1:A:55:ILE:HG13	1:A:33:VAL:HG21	20	0.53
(1,141)	1:A:55:ILE:HG13	1:A:33:VAL:HG22	20	0.53
(1,141)	1:A:55:ILE:HG13	1:A:33:VAL:HG23	20	0.53
(1,1056)	1:A:78:VAL:HG21	1:A:82:TRP:HB2	3	0.53
(1,1056)	1:A:78:VAL:HG21	1:A:82:TRP:HB3	3	0.53
(1,1056)	1:A:78:VAL:HG22	1:A:82:TRP:HB2	3	0.53
(1,1056)	1:A:78:VAL:HG22	1:A:82:TRP:HB3	3	0.53
(1,1056)	1:A:78:VAL:HG23	1:A:82:TRP:HB2	3	0.53
(1,1056)	1:A:78:VAL:HG23	1:A:82:TRP:HB3	3	0.53
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD21	11	0.53
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD22	11	0.53
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD23	11	0.53
(1,893)	1:A:66:CYS:H	1:A:22:LEU:HD11	15	0.52
(1,893)	1:A:66:CYS:H	1:A:22:LEU:HD12	15	0.52
(1,893)	1:A:66:CYS:H	1:A:22:LEU:HD13	15	0.52
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG21	10	0.52
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG22	10	0.52
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG23	10	0.52
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG11	5	0.52
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG12	5	0.52
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG13	5	0.52
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG11	6	0.52
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG12	6	0.52
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG13	6	0.52
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG11	6	0.52
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG12	6	0.52
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG13	6	0.52
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG11	6	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG12	6	0.52
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG13	6	0.52
(1,58)	1:A:22:LEU:HD21	1:A:67:THR:HA	13	0.52
(1,58)	1:A:22:LEU:HD22	1:A:67:THR:HA	13	0.52
(1,58)	1:A:22:LEU:HD23	1:A:67:THR:HA	13	0.52
(1,2992)	1:B:128:LEU:HD11	1:B:128:LEU:H	6	0.52
(1,2992)	1:B:128:LEU:HD12	1:B:128:LEU:H	6	0.52
(1,2992)	1:B:128:LEU:HD13	1:B:128:LEU:H	6	0.52
(1,2422)	1:B:124:PHE:HB2	1:B:128:LEU:HD11	3	0.52
(1,2422)	1:B:124:PHE:HB2	1:B:128:LEU:HD12	3	0.52
(1,2422)	1:B:124:PHE:HB2	1:B:128:LEU:HD13	3	0.52
(1,2422)	1:B:124:PHE:HB3	1:B:128:LEU:HD11	3	0.52
(1,2422)	1:B:124:PHE:HB3	1:B:128:LEU:HD12	3	0.52
(1,2422)	1:B:124:PHE:HB3	1:B:128:LEU:HD13	3	0.52
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB1	9	0.52
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB2	9	0.52
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB3	9	0.52
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB1	9	0.52
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB2	9	0.52
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB3	9	0.52
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB1	9	0.52
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB2	9	0.52
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB3	9	0.52
(1,235)	1:A:24:VAL:HG21	1:A:29:GLN:HA	6	0.52
(1,235)	1:A:24:VAL:HG22	1:A:29:GLN:HA	6	0.52
(1,235)	1:A:24:VAL:HG23	1:A:29:GLN:HA	6	0.52
(1,2346)	1:B:141:VAL:HG21	1:B:145:ALA:HB1	1	0.52
(1,2346)	1:B:141:VAL:HG21	1:B:145:ALA:HB2	1	0.52
(1,2346)	1:B:141:VAL:HG21	1:B:145:ALA:HB3	1	0.52
(1,2346)	1:B:141:VAL:HG22	1:B:145:ALA:HB1	1	0.52
(1,2346)	1:B:141:VAL:HG22	1:B:145:ALA:HB2	1	0.52
(1,2346)	1:B:141:VAL:HG22	1:B:145:ALA:HB3	1	0.52
(1,2346)	1:B:141:VAL:HG23	1:B:145:ALA:HB1	1	0.52
(1,2346)	1:B:141:VAL:HG23	1:B:145:ALA:HB2	1	0.52
(1,2346)	1:B:141:VAL:HG23	1:B:145:ALA:HB3	1	0.52
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG11	3	0.52
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG12	3	0.52
(1,2263)	1:B:118:GLN:HB2	1:B:152:VAL:HG13	3	0.52
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG11	3	0.52
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG12	3	0.52
(1,2263)	1:B:118:GLN:HB3	1:B:152:VAL:HG13	3	0.52
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD11	6	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD12	6	0.52
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD13	6	0.52
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG11	9	0.52
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG12	9	0.52
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG13	9	0.52
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG11	9	0.52
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG12	9	0.52
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG13	9	0.52
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG11	9	0.52
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG12	9	0.52
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG13	9	0.52
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG11	16	0.52
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG12	16	0.52
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG13	16	0.52
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG21	1	0.52
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG22	1	0.52
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG23	1	0.52
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG21	1	0.52
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG22	1	0.52
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG23	1	0.52
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG21	1	0.52
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG22	1	0.52
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG23	1	0.52
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG21	11	0.52
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG22	11	0.52
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG23	11	0.52
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG21	11	0.52
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG22	11	0.52
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG23	11	0.52
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG21	11	0.52
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG22	11	0.52
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG23	11	0.52
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG21	19	0.52
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG22	19	0.52
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG23	19	0.52
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG21	15	0.52
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG22	15	0.52
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG23	15	0.52
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG21	15	0.52
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG22	15	0.52
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG23	15	0.52
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG21	15	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG22	15	0.52
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG23	15	0.52
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD21	13	0.52
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD22	13	0.52
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD23	13	0.52
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB1	13	0.51
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB2	13	0.51
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB3	13	0.51
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB1	13	0.51
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB2	13	0.51
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB3	13	0.51
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB1	13	0.51
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB2	13	0.51
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB3	13	0.51
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG21	19	0.51
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG22	19	0.51
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG23	19	0.51
(1,743)	1:A:79:LYS:H	1:A:78:VAL:HG21	11	0.51
(1,743)	1:A:79:LYS:H	1:A:78:VAL:HG22	11	0.51
(1,743)	1:A:79:LYS:H	1:A:78:VAL:HG23	11	0.51
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD11	18	0.51
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD12	18	0.51
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD13	18	0.51
(1,701)	1:A:55:ILE:HA	1:A:58:VAL:HG11	8	0.51
(1,701)	1:A:55:ILE:HA	1:A:58:VAL:HG12	8	0.51
(1,701)	1:A:55:ILE:HA	1:A:58:VAL:HG13	8	0.51
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD11	2	0.51
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD12	2	0.51
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD13	2	0.51
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG11	13	0.51
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG12	13	0.51
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG13	13	0.51
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG11	13	0.51
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG12	13	0.51
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG13	13	0.51
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG11	13	0.51
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG12	13	0.51
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG13	13	0.51
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG11	10	0.51
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG12	10	0.51
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG13	10	0.51
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG11	10	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG12	10	0.51
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG13	10	0.51
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG11	10	0.51
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG12	10	0.51
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG13	10	0.51
(1,3065)	1:B:111:LEU:HD11	1:B:112:ALA:H	17	0.51
(1,3065)	1:B:111:LEU:HD12	1:B:112:ALA:H	17	0.51
(1,3065)	1:B:111:LEU:HD13	1:B:112:ALA:H	17	0.51
(1,3063)	1:B:111:LEU:HD21	1:B:111:LEU:H	3	0.51
(1,3063)	1:B:111:LEU:HD22	1:B:111:LEU:H	3	0.51
(1,3063)	1:B:111:LEU:HD23	1:B:111:LEU:H	3	0.51
(1,2992)	1:B:128:LEU:HD11	1:B:128:LEU:H	8	0.51
(1,2992)	1:B:128:LEU:HD12	1:B:128:LEU:H	8	0.51
(1,2992)	1:B:128:LEU:HD13	1:B:128:LEU:H	8	0.51
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA2	10	0.51
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA3	10	0.51
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA2	10	0.51
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA3	10	0.51
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA2	10	0.51
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA3	10	0.51
(1,247)	1:A:22:LEU:HD21	1:A:70:LYS:HA	16	0.51
(1,247)	1:A:22:LEU:HD22	1:A:70:LYS:HA	16	0.51
(1,247)	1:A:22:LEU:HD23	1:A:70:LYS:HA	16	0.51
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG21	6	0.51
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG22	6	0.51
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG23	6	0.51
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG21	10	0.51
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG22	10	0.51
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG23	10	0.51
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG21	16	0.51
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG22	16	0.51
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG23	16	0.51
(1,2309)	1:B:168:LYS:H	1:B:167:VAL:HG21	19	0.51
(1,2309)	1:B:168:LYS:H	1:B:167:VAL:HG22	19	0.51
(1,2309)	1:B:168:LYS:H	1:B:167:VAL:HG23	19	0.51
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD11	17	0.51
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD12	17	0.51
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD13	17	0.51
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD11	8	0.51
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD12	8	0.51
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD13	8	0.51
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG11	1	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG12	1	0.51
(1,2213)	1:B:167:VAL:HG11	1:B:122:VAL:HG13	1	0.51
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG11	1	0.51
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG12	1	0.51
(1,2213)	1:B:167:VAL:HG12	1:B:122:VAL:HG13	1	0.51
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG11	1	0.51
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG12	1	0.51
(1,2213)	1:B:167:VAL:HG13	1:B:122:VAL:HG13	1	0.51
(1,2201)	1:B:111:LEU:H	1:B:111:LEU:HD21	3	0.51
(1,2201)	1:B:111:LEU:H	1:B:111:LEU:HD22	3	0.51
(1,2201)	1:B:111:LEU:H	1:B:111:LEU:HD23	3	0.51
(1,1801)	1:B:113:VAL:HG21	1:B:118:GLN:HA	15	0.51
(1,1801)	1:B:113:VAL:HG22	1:B:118:GLN:HA	15	0.51
(1,1801)	1:B:113:VAL:HG23	1:B:118:GLN:HA	15	0.51
(1,1733)	1:B:122:VAL:HG21	1:B:167:VAL:HG11	11	0.51
(1,1733)	1:B:122:VAL:HG21	1:B:167:VAL:HG12	11	0.51
(1,1733)	1:B:122:VAL:HG21	1:B:167:VAL:HG13	11	0.51
(1,1733)	1:B:122:VAL:HG22	1:B:167:VAL:HG11	11	0.51
(1,1733)	1:B:122:VAL:HG22	1:B:167:VAL:HG12	11	0.51
(1,1733)	1:B:122:VAL:HG22	1:B:167:VAL:HG13	11	0.51
(1,1733)	1:B:122:VAL:HG23	1:B:167:VAL:HG11	11	0.51
(1,1733)	1:B:122:VAL:HG23	1:B:167:VAL:HG12	11	0.51
(1,1733)	1:B:122:VAL:HG23	1:B:167:VAL:HG13	11	0.51
(1,1499)	1:A:22:LEU:HD11	1:A:23:ALA:H	18	0.51
(1,1499)	1:A:22:LEU:HD12	1:A:23:ALA:H	18	0.51
(1,1499)	1:A:22:LEU:HD13	1:A:23:ALA:H	18	0.51
(1,1426)	1:A:39:LEU:HD11	1:A:39:LEU:H	2	0.51
(1,1426)	1:A:39:LEU:HD12	1:A:39:LEU:H	2	0.51
(1,1426)	1:A:39:LEU:HD13	1:A:39:LEU:H	2	0.51
(1,1028)	1:A:22:LEU:HD21	1:A:70:LYS:HD2	5	0.51
(1,1028)	1:A:22:LEU:HD21	1:A:70:LYS:HD3	5	0.51
(1,1028)	1:A:22:LEU:HD22	1:A:70:LYS:HD2	5	0.51
(1,1028)	1:A:22:LEU:HD22	1:A:70:LYS:HD3	5	0.51
(1,1028)	1:A:22:LEU:HD23	1:A:70:LYS:HD2	5	0.51
(1,1028)	1:A:22:LEU:HD23	1:A:70:LYS:HD3	5	0.51
(1,894)	1:A:19:GLU:HA	1:A:22:LEU:HD11	20	0.5
(1,894)	1:A:19:GLU:HA	1:A:22:LEU:HD12	20	0.5
(1,894)	1:A:19:GLU:HA	1:A:22:LEU:HD13	20	0.5
(1,731)	1:A:55:ILE:HD11	1:A:33:VAL:HG21	20	0.5
(1,731)	1:A:55:ILE:HD11	1:A:33:VAL:HG22	20	0.5
(1,731)	1:A:55:ILE:HD11	1:A:33:VAL:HG23	20	0.5
(1,731)	1:A:55:ILE:HD12	1:A:33:VAL:HG21	20	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,731)	1:A:55:ILE:HD12	1:A:33:VAL:HG22	20	0.5
(1,731)	1:A:55:ILE:HD12	1:A:33:VAL:HG23	20	0.5
(1,731)	1:A:55:ILE:HD13	1:A:33:VAL:HG21	20	0.5
(1,731)	1:A:55:ILE:HD13	1:A:33:VAL:HG22	20	0.5
(1,731)	1:A:55:ILE:HD13	1:A:33:VAL:HG23	20	0.5
(1,58)	1:A:22:LEU:HD21	1:A:67:THR:HA	18	0.5
(1,58)	1:A:22:LEU:HD22	1:A:67:THR:HA	18	0.5
(1,58)	1:A:22:LEU:HD23	1:A:67:THR:HA	18	0.5
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG21	1	0.5
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG22	1	0.5
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG23	1	0.5
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG21	7	0.5
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG22	7	0.5
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG23	7	0.5
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG21	18	0.5
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG22	18	0.5
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG23	18	0.5
(1,2297)	1:B:144:ILE:HD11	1:B:122:VAL:HG21	16	0.5
(1,2297)	1:B:144:ILE:HD11	1:B:122:VAL:HG22	16	0.5
(1,2297)	1:B:144:ILE:HD11	1:B:122:VAL:HG23	16	0.5
(1,2297)	1:B:144:ILE:HD12	1:B:122:VAL:HG21	16	0.5
(1,2297)	1:B:144:ILE:HD12	1:B:122:VAL:HG22	16	0.5
(1,2297)	1:B:144:ILE:HD12	1:B:122:VAL:HG23	16	0.5
(1,2297)	1:B:144:ILE:HD13	1:B:122:VAL:HG21	16	0.5
(1,2297)	1:B:144:ILE:HD13	1:B:122:VAL:HG22	16	0.5
(1,2297)	1:B:144:ILE:HD13	1:B:122:VAL:HG23	16	0.5
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD11	7	0.5
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD12	7	0.5
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD13	7	0.5
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD11	7	0.5
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD12	7	0.5
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD13	7	0.5
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD11	7	0.5
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD12	7	0.5
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD13	7	0.5
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG11	18	0.5
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG12	18	0.5
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG13	18	0.5
(1,117)	1:A:55:ILE:HA	1:A:58:VAL:HG21	17	0.5
(1,117)	1:A:55:ILE:HA	1:A:58:VAL:HG22	17	0.5
(1,117)	1:A:55:ILE:HA	1:A:58:VAL:HG23	17	0.5
(1,1096)	1:A:22:LEU:HD11	1:A:19:GLU:HA	20	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1096)	1:A:22:LEU:HD12	1:A:19:GLU:HA	20	0.5
(1,1096)	1:A:22:LEU:HD13	1:A:19:GLU:HA	20	0.5
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD21	18	0.5
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD22	18	0.5
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD23	18	0.5
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG21	4	0.49
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG22	4	0.49
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG23	4	0.49
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG21	8	0.49
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG22	8	0.49
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG23	8	0.49
(1,743)	1:A:79:LYS:H	1:A:78:VAL:HG21	2	0.49
(1,743)	1:A:79:LYS:H	1:A:78:VAL:HG22	2	0.49
(1,743)	1:A:79:LYS:H	1:A:78:VAL:HG23	2	0.49
(1,704)	1:A:62:ILE:HG21	1:A:58:VAL:HG11	7	0.49
(1,704)	1:A:62:ILE:HG21	1:A:58:VAL:HG12	7	0.49
(1,704)	1:A:62:ILE:HG21	1:A:58:VAL:HG13	7	0.49
(1,704)	1:A:62:ILE:HG22	1:A:58:VAL:HG11	7	0.49
(1,704)	1:A:62:ILE:HG22	1:A:58:VAL:HG12	7	0.49
(1,704)	1:A:62:ILE:HG22	1:A:58:VAL:HG13	7	0.49
(1,704)	1:A:62:ILE:HG23	1:A:58:VAL:HG11	7	0.49
(1,704)	1:A:62:ILE:HG23	1:A:58:VAL:HG12	7	0.49
(1,704)	1:A:62:ILE:HG23	1:A:58:VAL:HG13	7	0.49
(1,3065)	1:B:111:LEU:HD11	1:B:112:ALA:H	10	0.49
(1,3065)	1:B:111:LEU:HD12	1:B:112:ALA:H	10	0.49
(1,3065)	1:B:111:LEU:HD13	1:B:112:ALA:H	10	0.49
(1,2594)	1:B:111:LEU:HD21	1:B:159:LYS:HD2	19	0.49
(1,2594)	1:B:111:LEU:HD21	1:B:159:LYS:HD3	19	0.49
(1,2594)	1:B:111:LEU:HD22	1:B:159:LYS:HD2	19	0.49
(1,2594)	1:B:111:LEU:HD22	1:B:159:LYS:HD3	19	0.49
(1,2594)	1:B:111:LEU:HD23	1:B:159:LYS:HD2	19	0.49
(1,2594)	1:B:111:LEU:HD23	1:B:159:LYS:HD3	19	0.49
(1,2459)	1:B:155:CYS:H	1:B:111:LEU:HD11	15	0.49
(1,2459)	1:B:155:CYS:H	1:B:111:LEU:HD12	15	0.49
(1,2459)	1:B:155:CYS:H	1:B:111:LEU:HD13	15	0.49
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG21	14	0.49
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG22	14	0.49
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG23	14	0.49
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG21	14	0.49
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG22	14	0.49
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG23	14	0.49
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG21	14	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG22	14	0.49
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG23	14	0.49
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG21	2	0.49
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG22	2	0.49
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG23	2	0.49
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG21	8	0.49
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG22	8	0.49
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG23	8	0.49
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG21	14	0.49
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG22	14	0.49
(1,2314)	1:B:153:GLN:H	1:B:152:VAL:HG23	14	0.49
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG21	12	0.49
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG22	12	0.49
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG23	12	0.49
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD11	10	0.49
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD12	10	0.49
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD13	10	0.49
(1,2243)	1:B:122:VAL:HA	1:B:167:VAL:HG11	16	0.49
(1,2243)	1:B:122:VAL:HA	1:B:167:VAL:HG12	16	0.49
(1,2243)	1:B:122:VAL:HA	1:B:167:VAL:HG13	16	0.49
(1,1752)	1:B:167:VAL:HG11	1:B:122:VAL:HA	16	0.49
(1,1752)	1:B:167:VAL:HG12	1:B:122:VAL:HA	16	0.49
(1,1752)	1:B:167:VAL:HG13	1:B:122:VAL:HA	16	0.49
(1,1737)	1:B:122:VAL:HG21	1:B:147:VAL:HB	12	0.49
(1,1737)	1:B:122:VAL:HG22	1:B:147:VAL:HB	12	0.49
(1,1737)	1:B:122:VAL:HG23	1:B:147:VAL:HB	12	0.49
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG21	10	0.49
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG22	10	0.49
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG23	10	0.49
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG21	10	0.49
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG22	10	0.49
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG23	10	0.49
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG21	10	0.49
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG22	10	0.49
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG23	10	0.49
(1,1671)	1:B:156:THR:HA	1:B:111:LEU:HD21	20	0.49
(1,1671)	1:B:156:THR:HA	1:B:111:LEU:HD22	20	0.49
(1,1671)	1:B:156:THR:HA	1:B:111:LEU:HD23	20	0.49
(1,1624)	1:B:111:LEU:HD21	1:B:156:THR:HA	20	0.49
(1,1624)	1:B:111:LEU:HD22	1:B:156:THR:HA	20	0.49
(1,1624)	1:B:111:LEU:HD23	1:B:156:THR:HA	20	0.49
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG21	14	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG22	14	0.49
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG23	14	0.49
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG21	14	0.49
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG22	14	0.49
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG23	14	0.49
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG21	14	0.49
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG22	14	0.49
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG23	14	0.49
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG21	16	0.49
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG22	16	0.49
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG23	16	0.49
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG21	16	0.49
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG22	16	0.49
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG23	16	0.49
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG21	16	0.49
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG22	16	0.49
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG23	16	0.49
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG21	17	0.49
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG22	17	0.49
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG23	17	0.49
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG21	17	0.49
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG22	17	0.49
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG23	17	0.49
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG21	17	0.49
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG22	17	0.49
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG23	17	0.49
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG21	18	0.49
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG22	18	0.49
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG23	18	0.49
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG21	18	0.49
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG22	18	0.49
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG23	18	0.49
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG21	18	0.49
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG22	18	0.49
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG23	18	0.49
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG21	1	0.48
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG22	1	0.48
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG23	1	0.48
(1,702)	1:A:62:ILE:HG12	1:A:58:VAL:HG11	13	0.48
(1,702)	1:A:62:ILE:HG12	1:A:58:VAL:HG12	13	0.48
(1,702)	1:A:62:ILE:HG12	1:A:58:VAL:HG13	13	0.48
(1,702)	1:A:62:ILE:HG13	1:A:58:VAL:HG11	13	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,702)	1:A:62:ILE:HG13	1:A:58:VAL:HG12	13	0.48
(1,702)	1:A:62:ILE:HG13	1:A:58:VAL:HG13	13	0.48
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG11	19	0.48
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG12	19	0.48
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG13	19	0.48
(1,670)	1:A:39:LEU:HD11	1:A:42:LYS:HG2	12	0.48
(1,670)	1:A:39:LEU:HD11	1:A:42:LYS:HG3	12	0.48
(1,670)	1:A:39:LEU:HD12	1:A:42:LYS:HG2	12	0.48
(1,670)	1:A:39:LEU:HD12	1:A:42:LYS:HG3	12	0.48
(1,670)	1:A:39:LEU:HD13	1:A:42:LYS:HG2	12	0.48
(1,670)	1:A:39:LEU:HD13	1:A:42:LYS:HG3	12	0.48
(1,3065)	1:B:111:LEU:HD11	1:B:112:ALA:H	11	0.48
(1,3065)	1:B:111:LEU:HD12	1:B:112:ALA:H	11	0.48
(1,3065)	1:B:111:LEU:HD13	1:B:112:ALA:H	11	0.48
(1,3063)	1:B:111:LEU:HD21	1:B:111:LEU:H	5	0.48
(1,3063)	1:B:111:LEU:HD22	1:B:111:LEU:H	5	0.48
(1,3063)	1:B:111:LEU:HD23	1:B:111:LEU:H	5	0.48
(1,2918)	1:B:113:VAL:HG21	1:B:117:PHE:H	17	0.48
(1,2918)	1:B:113:VAL:HG22	1:B:117:PHE:H	17	0.48
(1,2918)	1:B:113:VAL:HG23	1:B:117:PHE:H	17	0.48
(1,2589)	1:B:111:LEU:HD21	1:B:159:LYS:HB2	2	0.48
(1,2589)	1:B:111:LEU:HD21	1:B:159:LYS:HB3	2	0.48
(1,2589)	1:B:111:LEU:HD22	1:B:159:LYS:HB2	2	0.48
(1,2589)	1:B:111:LEU:HD22	1:B:159:LYS:HB3	2	0.48
(1,2589)	1:B:111:LEU:HD23	1:B:159:LYS:HB2	2	0.48
(1,2589)	1:B:111:LEU:HD23	1:B:159:LYS:HB3	2	0.48
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD11	10	0.48
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD12	10	0.48
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD13	10	0.48
(1,2307)	1:B:122:VAL:HG21	1:B:167:VAL:HG21	2	0.48
(1,2307)	1:B:122:VAL:HG21	1:B:167:VAL:HG22	2	0.48
(1,2307)	1:B:122:VAL:HG21	1:B:167:VAL:HG23	2	0.48
(1,2307)	1:B:122:VAL:HG22	1:B:167:VAL:HG21	2	0.48
(1,2307)	1:B:122:VAL:HG22	1:B:167:VAL:HG22	2	0.48
(1,2307)	1:B:122:VAL:HG22	1:B:167:VAL:HG23	2	0.48
(1,2307)	1:B:122:VAL:HG23	1:B:167:VAL:HG21	2	0.48
(1,2307)	1:B:122:VAL:HG23	1:B:167:VAL:HG22	2	0.48
(1,2307)	1:B:122:VAL:HG23	1:B:167:VAL:HG23	2	0.48
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD11	11	0.48
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD12	11	0.48
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD13	11	0.48
(1,2201)	1:B:111:LEU:H	1:B:111:LEU:HD21	5	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2201)	1:B:111:LEU:H	1:B:111:LEU:HD22	5	0.48
(1,2201)	1:B:111:LEU:H	1:B:111:LEU:HD23	5	0.48
(1,2190)	1:B:111:LEU:HD21	1:B:159:LYS:HG2	13	0.48
(1,2190)	1:B:111:LEU:HD21	1:B:159:LYS:HG3	13	0.48
(1,2190)	1:B:111:LEU:HD22	1:B:159:LYS:HG2	13	0.48
(1,2190)	1:B:111:LEU:HD22	1:B:159:LYS:HG3	13	0.48
(1,2190)	1:B:111:LEU:HD23	1:B:159:LYS:HG2	13	0.48
(1,2190)	1:B:111:LEU:HD23	1:B:159:LYS:HG3	13	0.48
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG21	4	0.48
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG22	4	0.48
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG23	4	0.48
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG21	4	0.48
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG22	4	0.48
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG23	4	0.48
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG21	4	0.48
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG22	4	0.48
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG23	4	0.48
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG21	13	0.48
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG22	13	0.48
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG23	13	0.48
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG21	13	0.48
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG22	13	0.48
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG23	13	0.48
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG21	13	0.48
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG22	13	0.48
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG23	13	0.48
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG21	7	0.48
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG22	7	0.48
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG23	7	0.48
(1,1671)	1:B:156:THR:HA	1:B:111:LEU:HD21	9	0.48
(1,1671)	1:B:156:THR:HA	1:B:111:LEU:HD22	9	0.48
(1,1671)	1:B:156:THR:HA	1:B:111:LEU:HD23	9	0.48
(1,1624)	1:B:111:LEU:HD21	1:B:156:THR:HA	9	0.48
(1,1624)	1:B:111:LEU:HD22	1:B:156:THR:HA	9	0.48
(1,1624)	1:B:111:LEU:HD23	1:B:156:THR:HA	9	0.48
(1,117)	1:A:55:ILE:HA	1:A:58:VAL:HG21	18	0.48
(1,117)	1:A:55:ILE:HA	1:A:58:VAL:HG22	18	0.48
(1,117)	1:A:55:ILE:HA	1:A:58:VAL:HG23	18	0.48
(1,1023)	1:A:22:LEU:HD21	1:A:70:LYS:HB2	1	0.48
(1,1023)	1:A:22:LEU:HD21	1:A:70:LYS:HB3	1	0.48
(1,1023)	1:A:22:LEU:HD22	1:A:70:LYS:HB2	1	0.48
(1,1023)	1:A:22:LEU:HD22	1:A:70:LYS:HB3	1	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1023)	1:A:22:LEU:HD23	1:A:70:LYS:HB2	1	0.48
(1,1023)	1:A:22:LEU:HD23	1:A:70:LYS:HB3	1	0.48
(1,993)	1:A:61:ALA:HB1	1:A:58:VAL:HG21	16	0.47
(1,993)	1:A:61:ALA:HB1	1:A:58:VAL:HG22	16	0.47
(1,993)	1:A:61:ALA:HB1	1:A:58:VAL:HG23	16	0.47
(1,993)	1:A:61:ALA:HB2	1:A:58:VAL:HG21	16	0.47
(1,993)	1:A:61:ALA:HB2	1:A:58:VAL:HG22	16	0.47
(1,993)	1:A:61:ALA:HB2	1:A:58:VAL:HG23	16	0.47
(1,993)	1:A:61:ALA:HB3	1:A:58:VAL:HG21	16	0.47
(1,993)	1:A:61:ALA:HB3	1:A:58:VAL:HG22	16	0.47
(1,993)	1:A:61:ALA:HB3	1:A:58:VAL:HG23	16	0.47
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG21	7	0.47
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG22	7	0.47
(1,748)	1:A:64:GLN:H	1:A:63:VAL:HG23	7	0.47
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD11	14	0.47
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD12	14	0.47
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD13	14	0.47
(1,679)	1:A:13:VAL:HG21	1:A:78:VAL:HG11	11	0.47
(1,679)	1:A:13:VAL:HG21	1:A:78:VAL:HG12	11	0.47
(1,679)	1:A:13:VAL:HG21	1:A:78:VAL:HG13	11	0.47
(1,679)	1:A:13:VAL:HG22	1:A:78:VAL:HG11	11	0.47
(1,679)	1:A:13:VAL:HG22	1:A:78:VAL:HG12	11	0.47
(1,679)	1:A:13:VAL:HG22	1:A:78:VAL:HG13	11	0.47
(1,679)	1:A:13:VAL:HG23	1:A:78:VAL:HG11	11	0.47
(1,679)	1:A:13:VAL:HG23	1:A:78:VAL:HG12	11	0.47
(1,679)	1:A:13:VAL:HG23	1:A:78:VAL:HG13	11	0.47
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG11	18	0.47
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG12	18	0.47
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG13	18	0.47
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG11	18	0.47
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG12	18	0.47
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG13	18	0.47
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG11	18	0.47
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG12	18	0.47
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG13	18	0.47
(1,624)	1:A:22:LEU:HD21	1:A:70:LYS:HG2	2	0.47
(1,624)	1:A:22:LEU:HD21	1:A:70:LYS:HG3	2	0.47
(1,624)	1:A:22:LEU:HD22	1:A:70:LYS:HG2	2	0.47
(1,624)	1:A:22:LEU:HD22	1:A:70:LYS:HG3	2	0.47
(1,624)	1:A:22:LEU:HD23	1:A:70:LYS:HG2	2	0.47
(1,624)	1:A:22:LEU:HD23	1:A:70:LYS:HG3	2	0.47
(1,624)	1:A:22:LEU:HD21	1:A:70:LYS:HG2	18	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,624)	1:A:22:LEU:HD21	1:A:70:LYS:HG3	18	0.47
(1,624)	1:A:22:LEU:HD22	1:A:70:LYS:HG2	18	0.47
(1,624)	1:A:22:LEU:HD22	1:A:70:LYS:HG3	18	0.47
(1,624)	1:A:22:LEU:HD23	1:A:70:LYS:HG2	18	0.47
(1,624)	1:A:22:LEU:HD23	1:A:70:LYS:HG3	18	0.47
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA2	1	0.47
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA3	1	0.47
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA2	1	0.47
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA3	1	0.47
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA2	1	0.47
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA3	1	0.47
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB1	13	0.47
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB2	13	0.47
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB3	13	0.47
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB1	13	0.47
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB2	13	0.47
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB3	13	0.47
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB1	13	0.47
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB2	13	0.47
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB3	13	0.47
(1,2309)	1:B:168:LYS:H	1:B:167:VAL:HG21	9	0.47
(1,2309)	1:B:168:LYS:H	1:B:167:VAL:HG22	9	0.47
(1,2309)	1:B:168:LYS:H	1:B:167:VAL:HG23	9	0.47
(1,2309)	1:B:168:LYS:H	1:B:167:VAL:HG21	14	0.47
(1,2309)	1:B:168:LYS:H	1:B:167:VAL:HG22	14	0.47
(1,2309)	1:B:168:LYS:H	1:B:167:VAL:HG23	14	0.47
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD11	10	0.47
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD12	10	0.47
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD13	10	0.47
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD11	10	0.47
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD12	10	0.47
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD13	10	0.47
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD11	10	0.47
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD12	10	0.47
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD13	10	0.47
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD11	17	0.47
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD12	17	0.47
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD13	17	0.47
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD11	17	0.47
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD12	17	0.47
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD13	17	0.47
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD11	17	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD12	17	0.47
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD13	17	0.47
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG11	13	0.47
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG12	13	0.47
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG13	13	0.47
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG11	13	0.47
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG12	13	0.47
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG13	13	0.47
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG11	13	0.47
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG12	13	0.47
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG13	13	0.47
(1,2243)	1:B:122:VAL:HA	1:B:167:VAL:HG11	8	0.47
(1,2243)	1:B:122:VAL:HA	1:B:167:VAL:HG12	8	0.47
(1,2243)	1:B:122:VAL:HA	1:B:167:VAL:HG13	8	0.47
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG11	7	0.47
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG12	7	0.47
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG13	7	0.47
(1,1752)	1:B:167:VAL:HG11	1:B:122:VAL:HA	8	0.47
(1,1752)	1:B:167:VAL:HG12	1:B:122:VAL:HA	8	0.47
(1,1752)	1:B:167:VAL:HG13	1:B:122:VAL:HA	8	0.47
(1,168)	1:A:55:ILE:HD11	1:A:50:LEU:HD11	16	0.47
(1,168)	1:A:55:ILE:HD11	1:A:50:LEU:HD12	16	0.47
(1,168)	1:A:55:ILE:HD11	1:A:50:LEU:HD13	16	0.47
(1,168)	1:A:55:ILE:HD12	1:A:50:LEU:HD11	16	0.47
(1,168)	1:A:55:ILE:HD12	1:A:50:LEU:HD12	16	0.47
(1,168)	1:A:55:ILE:HD12	1:A:50:LEU:HD13	16	0.47
(1,168)	1:A:55:ILE:HD13	1:A:50:LEU:HD11	16	0.47
(1,168)	1:A:55:ILE:HD13	1:A:50:LEU:HD12	16	0.47
(1,168)	1:A:55:ILE:HD13	1:A:50:LEU:HD13	16	0.47
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG21	12	0.47
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG22	12	0.47
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG23	12	0.47
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG21	12	0.47
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG22	12	0.47
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG23	12	0.47
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG21	12	0.47
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG22	12	0.47
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG23	12	0.47
(1,1047)	1:A:81:GLU:HB2	1:A:78:VAL:HG21	5	0.47
(1,1047)	1:A:81:GLU:HB2	1:A:78:VAL:HG22	5	0.47
(1,1047)	1:A:81:GLU:HB2	1:A:78:VAL:HG23	5	0.47
(1,1047)	1:A:81:GLU:HB3	1:A:78:VAL:HG21	5	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1047)	1:A:81:GLU:HB3	1:A:78:VAL:HG22	5	0.47
(1,1047)	1:A:81:GLU:HB3	1:A:78:VAL:HG23	5	0.47
(1,893)	1:A:66:CYS:H	1:A:22:LEU:HD11	14	0.46
(1,893)	1:A:66:CYS:H	1:A:22:LEU:HD12	14	0.46
(1,893)	1:A:66:CYS:H	1:A:22:LEU:HD13	14	0.46
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB1	16	0.46
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB2	16	0.46
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB3	16	0.46
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB1	16	0.46
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB2	16	0.46
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB3	16	0.46
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB1	16	0.46
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB2	16	0.46
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB3	16	0.46
(1,743)	1:A:79:LYS:H	1:A:78:VAL:HG21	12	0.46
(1,743)	1:A:79:LYS:H	1:A:78:VAL:HG22	12	0.46
(1,743)	1:A:79:LYS:H	1:A:78:VAL:HG23	12	0.46
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD11	17	0.46
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD12	17	0.46
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD13	17	0.46
(1,698)	1:A:29:GLN:HG2	1:A:63:VAL:HG11	15	0.46
(1,698)	1:A:29:GLN:HG2	1:A:63:VAL:HG12	15	0.46
(1,698)	1:A:29:GLN:HG2	1:A:63:VAL:HG13	15	0.46
(1,698)	1:A:29:GLN:HG3	1:A:63:VAL:HG11	15	0.46
(1,698)	1:A:29:GLN:HG3	1:A:63:VAL:HG12	15	0.46
(1,698)	1:A:29:GLN:HG3	1:A:63:VAL:HG13	15	0.46
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG11	16	0.46
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG12	16	0.46
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG13	16	0.46
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG11	16	0.46
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG12	16	0.46
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG13	16	0.46
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG11	16	0.46
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG12	16	0.46
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG13	16	0.46
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG11	2	0.46
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG12	2	0.46
(1,675)	1:A:36:ALA:HA	1:A:13:VAL:HG13	2	0.46
(1,624)	1:A:22:LEU:HD21	1:A:70:LYS:HG2	16	0.46
(1,624)	1:A:22:LEU:HD21	1:A:70:LYS:HG3	16	0.46
(1,624)	1:A:22:LEU:HD22	1:A:70:LYS:HG2	16	0.46
(1,624)	1:A:22:LEU:HD22	1:A:70:LYS:HG3	16	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,624)	1:A:22:LEU:HD23	1:A:70:LYS:HG2	16	0.46
(1,624)	1:A:22:LEU:HD23	1:A:70:LYS:HG3	16	0.46
(1,3065)	1:B:111:LEU:HD11	1:B:112:ALA:H	4	0.46
(1,3065)	1:B:111:LEU:HD12	1:B:112:ALA:H	4	0.46
(1,3065)	1:B:111:LEU:HD13	1:B:112:ALA:H	4	0.46
(1,3063)	1:B:111:LEU:HD21	1:B:111:LEU:H	6	0.46
(1,3063)	1:B:111:LEU:HD22	1:B:111:LEU:H	6	0.46
(1,3063)	1:B:111:LEU:HD23	1:B:111:LEU:H	6	0.46
(1,2992)	1:B:128:LEU:HD11	1:B:128:LEU:H	1	0.46
(1,2992)	1:B:128:LEU:HD12	1:B:128:LEU:H	1	0.46
(1,2992)	1:B:128:LEU:HD13	1:B:128:LEU:H	1	0.46
(1,2992)	1:B:128:LEU:HD11	1:B:128:LEU:H	4	0.46
(1,2992)	1:B:128:LEU:HD12	1:B:128:LEU:H	4	0.46
(1,2992)	1:B:128:LEU:HD13	1:B:128:LEU:H	4	0.46
(1,2953)	1:B:167:VAL:HG21	1:B:126:GLU:H	18	0.46
(1,2953)	1:B:167:VAL:HG22	1:B:126:GLU:H	18	0.46
(1,2953)	1:B:167:VAL:HG23	1:B:126:GLU:H	18	0.46
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG21	18	0.46
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG22	18	0.46
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG23	18	0.46
(1,2309)	1:B:168:LYS:H	1:B:167:VAL:HG21	20	0.46
(1,2309)	1:B:168:LYS:H	1:B:167:VAL:HG22	20	0.46
(1,2309)	1:B:168:LYS:H	1:B:167:VAL:HG23	20	0.46
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG21	8	0.46
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG22	8	0.46
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG23	8	0.46
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD11	4	0.46
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD12	4	0.46
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD13	4	0.46
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD11	1	0.46
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD12	1	0.46
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD13	1	0.46
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD11	4	0.46
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD12	4	0.46
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD13	4	0.46
(1,2201)	1:B:111:LEU:H	1:B:111:LEU:HD21	6	0.46
(1,2201)	1:B:111:LEU:H	1:B:111:LEU:HD22	6	0.46
(1,2201)	1:B:111:LEU:H	1:B:111:LEU:HD23	6	0.46
(1,1737)	1:B:122:VAL:HG21	1:B:147:VAL:HB	8	0.46
(1,1737)	1:B:122:VAL:HG22	1:B:147:VAL:HB	8	0.46
(1,1737)	1:B:122:VAL:HG23	1:B:147:VAL:HB	8	0.46
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG21	20	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG22	20	0.46
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG23	20	0.46
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG21	20	0.46
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG22	20	0.46
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG23	20	0.46
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG21	20	0.46
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG22	20	0.46
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG23	20	0.46
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG11	4	0.46
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG12	4	0.46
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG13	4	0.46
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG21	1	0.46
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG22	1	0.46
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG23	1	0.46
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG21	1	0.46
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG22	1	0.46
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG23	1	0.46
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG21	1	0.46
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG22	1	0.46
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG23	1	0.46
(1,1499)	1:A:22:LEU:HD11	1:A:23:ALA:H	17	0.46
(1,1499)	1:A:22:LEU:HD12	1:A:23:ALA:H	17	0.46
(1,1499)	1:A:22:LEU:HD13	1:A:23:ALA:H	17	0.46
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG11	19	0.46
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG12	19	0.46
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG13	19	0.46
(1,704)	1:A:62:ILE:HG21	1:A:58:VAL:HG11	4	0.45
(1,704)	1:A:62:ILE:HG21	1:A:58:VAL:HG12	4	0.45
(1,704)	1:A:62:ILE:HG21	1:A:58:VAL:HG13	4	0.45
(1,704)	1:A:62:ILE:HG22	1:A:58:VAL:HG11	4	0.45
(1,704)	1:A:62:ILE:HG22	1:A:58:VAL:HG12	4	0.45
(1,704)	1:A:62:ILE:HG22	1:A:58:VAL:HG13	4	0.45
(1,704)	1:A:62:ILE:HG23	1:A:58:VAL:HG11	4	0.45
(1,704)	1:A:62:ILE:HG23	1:A:58:VAL:HG12	4	0.45
(1,704)	1:A:62:ILE:HG23	1:A:58:VAL:HG13	4	0.45
(1,698)	1:A:29:GLN:HG2	1:A:63:VAL:HG11	7	0.45
(1,698)	1:A:29:GLN:HG2	1:A:63:VAL:HG12	7	0.45
(1,698)	1:A:29:GLN:HG2	1:A:63:VAL:HG13	7	0.45
(1,698)	1:A:29:GLN:HG3	1:A:63:VAL:HG11	7	0.45
(1,698)	1:A:29:GLN:HG3	1:A:63:VAL:HG12	7	0.45
(1,698)	1:A:29:GLN:HG3	1:A:63:VAL:HG13	7	0.45
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD11	15	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD12	15	0.45
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD13	15	0.45
(1,58)	1:A:22:LEU:HD21	1:A:67:THR:HA	12	0.45
(1,58)	1:A:22:LEU:HD22	1:A:67:THR:HA	12	0.45
(1,58)	1:A:22:LEU:HD23	1:A:67:THR:HA	12	0.45
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB1	12	0.45
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB2	12	0.45
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB3	12	0.45
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB1	12	0.45
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB2	12	0.45
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB3	12	0.45
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB1	12	0.45
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB2	12	0.45
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB3	12	0.45
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG21	1	0.45
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG22	1	0.45
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG23	1	0.45
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG21	2	0.45
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG22	2	0.45
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG23	2	0.45
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD11	3	0.45
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD12	3	0.45
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD13	3	0.45
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG11	12	0.45
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG12	12	0.45
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG13	12	0.45
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG11	12	0.45
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG12	12	0.45
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG13	12	0.45
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG11	12	0.45
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG12	12	0.45
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG13	12	0.45
(1,2243)	1:B:122:VAL:HA	1:B:167:VAL:HG11	10	0.45
(1,2243)	1:B:122:VAL:HA	1:B:167:VAL:HG12	10	0.45
(1,2243)	1:B:122:VAL:HA	1:B:167:VAL:HG13	10	0.45
(1,2243)	1:B:122:VAL:HA	1:B:167:VAL:HG11	19	0.45
(1,2243)	1:B:122:VAL:HA	1:B:167:VAL:HG12	19	0.45
(1,2243)	1:B:122:VAL:HA	1:B:167:VAL:HG13	19	0.45
(1,2205)	1:B:152:VAL:HG11	1:B:118:GLN:HB2	8	0.45
(1,2205)	1:B:152:VAL:HG11	1:B:118:GLN:HB3	8	0.45
(1,2205)	1:B:152:VAL:HG12	1:B:118:GLN:HB2	8	0.45
(1,2205)	1:B:152:VAL:HG12	1:B:118:GLN:HB3	8	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2205)	1:B:152:VAL:HG13	1:B:118:GLN:HB2	8	0.45
(1,2205)	1:B:152:VAL:HG13	1:B:118:GLN:HB3	8	0.45
(1,1752)	1:B:167:VAL:HG11	1:B:122:VAL:HA	10	0.45
(1,1752)	1:B:167:VAL:HG12	1:B:122:VAL:HA	10	0.45
(1,1752)	1:B:167:VAL:HG13	1:B:122:VAL:HA	10	0.45
(1,1752)	1:B:167:VAL:HG11	1:B:122:VAL:HA	19	0.45
(1,1752)	1:B:167:VAL:HG12	1:B:122:VAL:HA	19	0.45
(1,1752)	1:B:167:VAL:HG13	1:B:122:VAL:HA	19	0.45
(1,1737)	1:B:122:VAL:HG21	1:B:147:VAL:HB	1	0.45
(1,1737)	1:B:122:VAL:HG22	1:B:147:VAL:HB	1	0.45
(1,1737)	1:B:122:VAL:HG23	1:B:147:VAL:HB	1	0.45
(1,1737)	1:B:122:VAL:HG21	1:B:147:VAL:HB	2	0.45
(1,1737)	1:B:122:VAL:HG22	1:B:147:VAL:HB	2	0.45
(1,1737)	1:B:122:VAL:HG23	1:B:147:VAL:HB	2	0.45
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG21	9	0.45
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG22	9	0.45
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG23	9	0.45
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG21	9	0.45
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG22	9	0.45
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG23	9	0.45
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG21	9	0.45
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG22	9	0.45
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG23	9	0.45
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG11	5	0.45
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG12	5	0.45
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG13	5	0.45
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG21	1	0.45
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG22	1	0.45
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG23	1	0.45
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG21	14	0.45
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG22	14	0.45
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG23	14	0.45
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG21	2	0.45
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG22	2	0.45
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG23	2	0.45
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG21	2	0.45
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG22	2	0.45
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG23	2	0.45
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG21	2	0.45
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG22	2	0.45
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG23	2	0.45
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG21	6	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG22	6	0.45
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG23	6	0.45
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG21	6	0.45
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG22	6	0.45
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG23	6	0.45
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG21	6	0.45
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG22	6	0.45
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG23	6	0.45
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG21	10	0.45
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG22	10	0.45
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG23	10	0.45
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG21	10	0.45
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG22	10	0.45
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG23	10	0.45
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG21	10	0.45
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG22	10	0.45
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG23	10	0.45
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG21	13	0.45
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG22	13	0.45
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG23	13	0.45
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG21	13	0.45
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG22	13	0.45
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG23	13	0.45
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG21	13	0.45
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG22	13	0.45
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG23	13	0.45
(1,1426)	1:A:39:LEU:HD11	1:A:39:LEU:H	15	0.45
(1,1426)	1:A:39:LEU:HD12	1:A:39:LEU:H	15	0.45
(1,1426)	1:A:39:LEU:HD13	1:A:39:LEU:H	15	0.45
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG11	7	0.45
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG12	7	0.45
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG13	7	0.45
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD21	12	0.45
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD22	12	0.45
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD23	12	0.45
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG21	1	0.44
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG22	1	0.44
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG23	1	0.44
(1,624)	1:A:22:LEU:HD21	1:A:70:LYS:HG2	17	0.44
(1,624)	1:A:22:LEU:HD21	1:A:70:LYS:HG3	17	0.44
(1,624)	1:A:22:LEU:HD22	1:A:70:LYS:HG2	17	0.44
(1,624)	1:A:22:LEU:HD22	1:A:70:LYS:HG3	17	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,624)	1:A:22:LEU:HD23	1:A:70:LYS:HG2	17	0.44
(1,624)	1:A:22:LEU:HD23	1:A:70:LYS:HG3	17	0.44
(1,58)	1:A:22:LEU:HD21	1:A:67:THR:HA	2	0.44
(1,58)	1:A:22:LEU:HD22	1:A:67:THR:HA	2	0.44
(1,58)	1:A:22:LEU:HD23	1:A:67:THR:HA	2	0.44
(1,2613)	1:B:170:GLU:HB2	1:B:167:VAL:HG21	2	0.44
(1,2613)	1:B:170:GLU:HB2	1:B:167:VAL:HG22	2	0.44
(1,2613)	1:B:170:GLU:HB2	1:B:167:VAL:HG23	2	0.44
(1,2613)	1:B:170:GLU:HB3	1:B:167:VAL:HG21	2	0.44
(1,2613)	1:B:170:GLU:HB3	1:B:167:VAL:HG22	2	0.44
(1,2613)	1:B:170:GLU:HB3	1:B:167:VAL:HG23	2	0.44
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD11	7	0.44
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD12	7	0.44
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD13	7	0.44
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG21	4	0.44
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG22	4	0.44
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG23	4	0.44
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG21	4	0.44
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG22	4	0.44
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG23	4	0.44
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG21	4	0.44
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG22	4	0.44
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG23	4	0.44
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG21	14	0.44
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG22	14	0.44
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG23	14	0.44
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG21	14	0.44
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG22	14	0.44
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG23	14	0.44
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG21	14	0.44
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG22	14	0.44
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG23	14	0.44
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG21	6	0.44
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG22	6	0.44
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG23	6	0.44
(1,2243)	1:B:122:VAL:HA	1:B:167:VAL:HG11	18	0.44
(1,2243)	1:B:122:VAL:HA	1:B:167:VAL:HG12	18	0.44
(1,2243)	1:B:122:VAL:HA	1:B:167:VAL:HG13	18	0.44
(1,1752)	1:B:167:VAL:HG11	1:B:122:VAL:HA	18	0.44
(1,1752)	1:B:167:VAL:HG12	1:B:122:VAL:HA	18	0.44
(1,1752)	1:B:167:VAL:HG13	1:B:122:VAL:HA	18	0.44
(1,1737)	1:B:122:VAL:HG21	1:B:147:VAL:HB	6	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1737)	1:B:122:VAL:HG22	1:B:147:VAL:HB	6	0.44
(1,1737)	1:B:122:VAL:HG23	1:B:147:VAL:HB	6	0.44
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG21	3	0.44
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG22	3	0.44
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG23	3	0.44
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG21	3	0.44
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG22	3	0.44
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG23	3	0.44
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG21	3	0.44
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG22	3	0.44
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG23	3	0.44
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG11	14	0.44
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG12	14	0.44
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG13	14	0.44
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG21	11	0.44
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG22	11	0.44
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG23	11	0.44
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG21	11	0.44
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG22	11	0.44
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG23	11	0.44
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG21	11	0.44
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG22	11	0.44
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG23	11	0.44
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG11	6	0.44
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG12	6	0.44
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG13	6	0.44
(1,1387)	1:A:78:VAL:HG21	1:A:37:GLU:H	1	0.44
(1,1387)	1:A:78:VAL:HG22	1:A:37:GLU:H	1	0.44
(1,1387)	1:A:78:VAL:HG23	1:A:37:GLU:H	1	0.44
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD21	2	0.44
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD22	2	0.44
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD23	2	0.44
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA2	15	0.43
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA3	15	0.43
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA2	15	0.43
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA3	15	0.43
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA2	15	0.43
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA3	15	0.43
(1,743)	1:A:79:LYS:H	1:A:78:VAL:HG21	4	0.43
(1,743)	1:A:79:LYS:H	1:A:78:VAL:HG22	4	0.43
(1,743)	1:A:79:LYS:H	1:A:78:VAL:HG23	4	0.43
(1,740)	1:A:36:ALA:HB1	1:A:78:VAL:HG21	12	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,740)	1:A:36:ALA:HB1	1:A:78:VAL:HG22	12	0.43
(1,740)	1:A:36:ALA:HB1	1:A:78:VAL:HG23	12	0.43
(1,740)	1:A:36:ALA:HB2	1:A:78:VAL:HG21	12	0.43
(1,740)	1:A:36:ALA:HB2	1:A:78:VAL:HG22	12	0.43
(1,740)	1:A:36:ALA:HB2	1:A:78:VAL:HG23	12	0.43
(1,740)	1:A:36:ALA:HB3	1:A:78:VAL:HG21	12	0.43
(1,740)	1:A:36:ALA:HB3	1:A:78:VAL:HG22	12	0.43
(1,740)	1:A:36:ALA:HB3	1:A:78:VAL:HG23	12	0.43
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD11	9	0.43
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD12	9	0.43
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD13	9	0.43
(1,670)	1:A:39:LEU:HD11	1:A:42:LYS:HG2	18	0.43
(1,670)	1:A:39:LEU:HD11	1:A:42:LYS:HG3	18	0.43
(1,670)	1:A:39:LEU:HD12	1:A:42:LYS:HG2	18	0.43
(1,670)	1:A:39:LEU:HD12	1:A:42:LYS:HG3	18	0.43
(1,670)	1:A:39:LEU:HD13	1:A:42:LYS:HG2	18	0.43
(1,670)	1:A:39:LEU:HD13	1:A:42:LYS:HG3	18	0.43
(1,624)	1:A:22:LEU:HD21	1:A:70:LYS:HG2	15	0.43
(1,624)	1:A:22:LEU:HD21	1:A:70:LYS:HG3	15	0.43
(1,624)	1:A:22:LEU:HD22	1:A:70:LYS:HG2	15	0.43
(1,624)	1:A:22:LEU:HD22	1:A:70:LYS:HG3	15	0.43
(1,624)	1:A:22:LEU:HD23	1:A:70:LYS:HG2	15	0.43
(1,624)	1:A:22:LEU:HD23	1:A:70:LYS:HG3	15	0.43
(1,2992)	1:B:128:LEU:HD11	1:B:128:LEU:H	10	0.43
(1,2992)	1:B:128:LEU:HD12	1:B:128:LEU:H	10	0.43
(1,2992)	1:B:128:LEU:HD13	1:B:128:LEU:H	10	0.43
(1,2953)	1:B:167:VAL:HG21	1:B:126:GLU:H	11	0.43
(1,2953)	1:B:167:VAL:HG22	1:B:126:GLU:H	11	0.43
(1,2953)	1:B:167:VAL:HG23	1:B:126:GLU:H	11	0.43
(1,2534)	1:B:139:LEU:HD11	1:B:141:VAL:HG11	6	0.43
(1,2534)	1:B:139:LEU:HD11	1:B:141:VAL:HG12	6	0.43
(1,2534)	1:B:139:LEU:HD11	1:B:141:VAL:HG13	6	0.43
(1,2534)	1:B:139:LEU:HD12	1:B:141:VAL:HG11	6	0.43
(1,2534)	1:B:139:LEU:HD12	1:B:141:VAL:HG12	6	0.43
(1,2534)	1:B:139:LEU:HD12	1:B:141:VAL:HG13	6	0.43
(1,2534)	1:B:139:LEU:HD13	1:B:141:VAL:HG11	6	0.43
(1,2534)	1:B:139:LEU:HD13	1:B:141:VAL:HG12	6	0.43
(1,2534)	1:B:139:LEU:HD13	1:B:141:VAL:HG13	6	0.43
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG21	11	0.43
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG22	11	0.43
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG23	11	0.43
(1,2309)	1:B:168:LYS:H	1:B:167:VAL:HG21	7	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2309)	1:B:168:LYS:H	1:B:167:VAL:HG22	7	0.43
(1,2309)	1:B:168:LYS:H	1:B:167:VAL:HG23	7	0.43
(1,2309)	1:B:168:LYS:H	1:B:167:VAL:HG21	10	0.43
(1,2309)	1:B:168:LYS:H	1:B:167:VAL:HG22	10	0.43
(1,2309)	1:B:168:LYS:H	1:B:167:VAL:HG23	10	0.43
(1,2309)	1:B:168:LYS:H	1:B:167:VAL:HG21	11	0.43
(1,2309)	1:B:168:LYS:H	1:B:167:VAL:HG22	11	0.43
(1,2309)	1:B:168:LYS:H	1:B:167:VAL:HG23	11	0.43
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG21	18	0.43
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG22	18	0.43
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG23	18	0.43
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD11	10	0.43
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD12	10	0.43
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD13	10	0.43
(1,2245)	1:B:102:VAL:HG21	1:B:167:VAL:HG11	20	0.43
(1,2245)	1:B:102:VAL:HG21	1:B:167:VAL:HG12	20	0.43
(1,2245)	1:B:102:VAL:HG21	1:B:167:VAL:HG13	20	0.43
(1,2245)	1:B:102:VAL:HG22	1:B:167:VAL:HG11	20	0.43
(1,2245)	1:B:102:VAL:HG22	1:B:167:VAL:HG12	20	0.43
(1,2245)	1:B:102:VAL:HG22	1:B:167:VAL:HG13	20	0.43
(1,2245)	1:B:102:VAL:HG23	1:B:167:VAL:HG11	20	0.43
(1,2245)	1:B:102:VAL:HG23	1:B:167:VAL:HG12	20	0.43
(1,2245)	1:B:102:VAL:HG23	1:B:167:VAL:HG13	20	0.43
(1,2190)	1:B:111:LEU:HD21	1:B:159:LYS:HG2	10	0.43
(1,2190)	1:B:111:LEU:HD21	1:B:159:LYS:HG3	10	0.43
(1,2190)	1:B:111:LEU:HD22	1:B:159:LYS:HG2	10	0.43
(1,2190)	1:B:111:LEU:HD22	1:B:159:LYS:HG3	10	0.43
(1,2190)	1:B:111:LEU:HD23	1:B:159:LYS:HG2	10	0.43
(1,2190)	1:B:111:LEU:HD23	1:B:159:LYS:HG3	10	0.43
(1,1737)	1:B:122:VAL:HG21	1:B:147:VAL:HB	18	0.43
(1,1737)	1:B:122:VAL:HG22	1:B:147:VAL:HB	18	0.43
(1,1737)	1:B:122:VAL:HG23	1:B:147:VAL:HB	18	0.43
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG11	11	0.43
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG12	11	0.43
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG13	11	0.43
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG11	13	0.43
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG12	13	0.43
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG13	13	0.43
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG11	16	0.43
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG12	16	0.43
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG13	16	0.43
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG11	18	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG12	18	0.43
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG13	18	0.43
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG11	20	0.43
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG12	20	0.43
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG13	20	0.43
(1,1671)	1:B:156:THR:HA	1:B:111:LEU:HD21	13	0.43
(1,1671)	1:B:156:THR:HA	1:B:111:LEU:HD22	13	0.43
(1,1671)	1:B:156:THR:HA	1:B:111:LEU:HD23	13	0.43
(1,1624)	1:B:111:LEU:HD21	1:B:156:THR:HA	13	0.43
(1,1624)	1:B:111:LEU:HD22	1:B:156:THR:HA	13	0.43
(1,1624)	1:B:111:LEU:HD23	1:B:156:THR:HA	13	0.43
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG21	8	0.43
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG22	8	0.43
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG23	8	0.43
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG21	8	0.43
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG22	8	0.43
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG23	8	0.43
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG21	8	0.43
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG22	8	0.43
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG23	8	0.43
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG11	18	0.43
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG12	18	0.43
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG13	18	0.43
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG11	20	0.43
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG12	20	0.43
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG13	20	0.43
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD11	18	0.42
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD12	18	0.42
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD13	18	0.42
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD11	14	0.42
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD12	14	0.42
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD13	14	0.42
(1,58)	1:A:22:LEU:HD21	1:A:67:THR:HA	8	0.42
(1,58)	1:A:22:LEU:HD22	1:A:67:THR:HA	8	0.42
(1,58)	1:A:22:LEU:HD23	1:A:67:THR:HA	8	0.42
(1,3063)	1:B:111:LEU:HD21	1:B:111:LEU:H	18	0.42
(1,3063)	1:B:111:LEU:HD22	1:B:111:LEU:H	18	0.42
(1,3063)	1:B:111:LEU:HD23	1:B:111:LEU:H	18	0.42
(1,2589)	1:B:111:LEU:HD21	1:B:159:LYS:HB2	12	0.42
(1,2589)	1:B:111:LEU:HD21	1:B:159:LYS:HB3	12	0.42
(1,2589)	1:B:111:LEU:HD22	1:B:159:LYS:HB2	12	0.42
(1,2589)	1:B:111:LEU:HD22	1:B:159:LYS:HB3	12	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2589)	1:B:111:LEU:HD23	1:B:159:LYS:HB2	12	0.42
(1,2589)	1:B:111:LEU:HD23	1:B:159:LYS:HB3	12	0.42
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA2	6	0.42
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA3	6	0.42
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA2	6	0.42
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA3	6	0.42
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA2	6	0.42
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA3	6	0.42
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD11	17	0.42
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD12	17	0.42
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD13	17	0.42
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG21	1	0.42
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG22	1	0.42
(1,2337)	1:B:122:VAL:HG11	1:B:151:ILE:HG23	1	0.42
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG21	1	0.42
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG22	1	0.42
(1,2337)	1:B:122:VAL:HG12	1:B:151:ILE:HG23	1	0.42
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG21	1	0.42
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG22	1	0.42
(1,2337)	1:B:122:VAL:HG13	1:B:151:ILE:HG23	1	0.42
(1,2309)	1:B:168:LYS:H	1:B:167:VAL:HG21	6	0.42
(1,2309)	1:B:168:LYS:H	1:B:167:VAL:HG22	6	0.42
(1,2309)	1:B:168:LYS:H	1:B:167:VAL:HG23	6	0.42
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG21	7	0.42
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG22	7	0.42
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG23	7	0.42
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG21	17	0.42
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG22	17	0.42
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG23	17	0.42
(1,2243)	1:B:122:VAL:HA	1:B:167:VAL:HG11	20	0.42
(1,2243)	1:B:122:VAL:HA	1:B:167:VAL:HG12	20	0.42
(1,2243)	1:B:122:VAL:HA	1:B:167:VAL:HG13	20	0.42
(1,2201)	1:B:111:LEU:H	1:B:111:LEU:HD21	18	0.42
(1,2201)	1:B:111:LEU:H	1:B:111:LEU:HD22	18	0.42
(1,2201)	1:B:111:LEU:H	1:B:111:LEU:HD23	18	0.42
(1,2190)	1:B:111:LEU:HD21	1:B:159:LYS:HG2	11	0.42
(1,2190)	1:B:111:LEU:HD21	1:B:159:LYS:HG3	11	0.42
(1,2190)	1:B:111:LEU:HD22	1:B:159:LYS:HG2	11	0.42
(1,2190)	1:B:111:LEU:HD22	1:B:159:LYS:HG3	11	0.42
(1,2190)	1:B:111:LEU:HD23	1:B:159:LYS:HG2	11	0.42
(1,2190)	1:B:111:LEU:HD23	1:B:159:LYS:HG3	11	0.42
(1,2040)	1:B:113:VAL:HG21	1:B:118:GLN:HG2	15	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2040)	1:B:113:VAL:HG21	1:B:118:GLN:HG3	15	0.42
(1,2040)	1:B:113:VAL:HG22	1:B:118:GLN:HG2	15	0.42
(1,2040)	1:B:113:VAL:HG22	1:B:118:GLN:HG3	15	0.42
(1,2040)	1:B:113:VAL:HG23	1:B:118:GLN:HG2	15	0.42
(1,2040)	1:B:113:VAL:HG23	1:B:118:GLN:HG3	15	0.42
(1,2040)	1:B:113:VAL:HG21	1:B:118:GLN:HG2	17	0.42
(1,2040)	1:B:113:VAL:HG21	1:B:118:GLN:HG3	17	0.42
(1,2040)	1:B:113:VAL:HG22	1:B:118:GLN:HG2	17	0.42
(1,2040)	1:B:113:VAL:HG22	1:B:118:GLN:HG3	17	0.42
(1,2040)	1:B:113:VAL:HG23	1:B:118:GLN:HG2	17	0.42
(1,2040)	1:B:113:VAL:HG23	1:B:118:GLN:HG3	17	0.42
(1,2033)	1:B:113:VAL:HG21	1:B:118:GLN:HG2	15	0.42
(1,2033)	1:B:113:VAL:HG21	1:B:118:GLN:HG3	15	0.42
(1,2033)	1:B:113:VAL:HG22	1:B:118:GLN:HG2	15	0.42
(1,2033)	1:B:113:VAL:HG22	1:B:118:GLN:HG3	15	0.42
(1,2033)	1:B:113:VAL:HG23	1:B:118:GLN:HG2	15	0.42
(1,2033)	1:B:113:VAL:HG23	1:B:118:GLN:HG3	15	0.42
(1,2033)	1:B:113:VAL:HG21	1:B:118:GLN:HG2	17	0.42
(1,2033)	1:B:113:VAL:HG21	1:B:118:GLN:HG3	17	0.42
(1,2033)	1:B:113:VAL:HG22	1:B:118:GLN:HG2	17	0.42
(1,2033)	1:B:113:VAL:HG22	1:B:118:GLN:HG3	17	0.42
(1,2033)	1:B:113:VAL:HG23	1:B:118:GLN:HG2	17	0.42
(1,2033)	1:B:113:VAL:HG23	1:B:118:GLN:HG3	17	0.42
(1,1752)	1:B:167:VAL:HG11	1:B:122:VAL:HA	20	0.42
(1,1752)	1:B:167:VAL:HG12	1:B:122:VAL:HA	20	0.42
(1,1752)	1:B:167:VAL:HG13	1:B:122:VAL:HA	20	0.42
(1,1737)	1:B:122:VAL:HG21	1:B:147:VAL:HB	7	0.42
(1,1737)	1:B:122:VAL:HG22	1:B:147:VAL:HB	7	0.42
(1,1737)	1:B:122:VAL:HG23	1:B:147:VAL:HB	7	0.42
(1,1737)	1:B:122:VAL:HG21	1:B:147:VAL:HB	17	0.42
(1,1737)	1:B:122:VAL:HG22	1:B:147:VAL:HB	17	0.42
(1,1737)	1:B:122:VAL:HG23	1:B:147:VAL:HB	17	0.42
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG11	7	0.42
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG12	7	0.42
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG13	7	0.42
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG11	9	0.42
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG12	9	0.42
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG13	9	0.42
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG21	6	0.42
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG22	6	0.42
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG23	6	0.42
(1,167)	1:A:33:VAL:HG21	1:A:78:VAL:HG11	5	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,167)	1:A:33:VAL:HG21	1:A:78:VAL:HG12	5	0.42
(1,167)	1:A:33:VAL:HG21	1:A:78:VAL:HG13	5	0.42
(1,167)	1:A:33:VAL:HG22	1:A:78:VAL:HG11	5	0.42
(1,167)	1:A:33:VAL:HG22	1:A:78:VAL:HG12	5	0.42
(1,167)	1:A:33:VAL:HG22	1:A:78:VAL:HG13	5	0.42
(1,167)	1:A:33:VAL:HG23	1:A:78:VAL:HG11	5	0.42
(1,167)	1:A:33:VAL:HG23	1:A:78:VAL:HG12	5	0.42
(1,167)	1:A:33:VAL:HG23	1:A:78:VAL:HG13	5	0.42
(1,1499)	1:A:22:LEU:HD11	1:A:23:ALA:H	14	0.42
(1,1499)	1:A:22:LEU:HD12	1:A:23:ALA:H	14	0.42
(1,1499)	1:A:22:LEU:HD13	1:A:23:ALA:H	14	0.42
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG11	3	0.42
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG12	3	0.42
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG13	3	0.42
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG11	9	0.42
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG12	9	0.42
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG13	9	0.42
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG11	11	0.42
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG12	11	0.42
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG13	11	0.42
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG11	16	0.42
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG12	16	0.42
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG13	16	0.42
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD21	8	0.42
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD22	8	0.42
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD23	8	0.42
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA2	1	0.41
(1,971)	1:A:52:VAL:HG11	1:A:54:GLY:HA3	1	0.41
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA2	1	0.41
(1,971)	1:A:52:VAL:HG12	1:A:54:GLY:HA3	1	0.41
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA2	1	0.41
(1,971)	1:A:52:VAL:HG13	1:A:54:GLY:HA3	1	0.41
(1,952)	1:A:63:VAL:HG21	1:A:64:GLN:HG2	11	0.41
(1,952)	1:A:63:VAL:HG21	1:A:64:GLN:HG3	11	0.41
(1,952)	1:A:63:VAL:HG22	1:A:64:GLN:HG2	11	0.41
(1,952)	1:A:63:VAL:HG22	1:A:64:GLN:HG3	11	0.41
(1,952)	1:A:63:VAL:HG23	1:A:64:GLN:HG2	11	0.41
(1,952)	1:A:63:VAL:HG23	1:A:64:GLN:HG3	11	0.41
(1,740)	1:A:36:ALA:HB1	1:A:78:VAL:HG21	3	0.41
(1,740)	1:A:36:ALA:HB1	1:A:78:VAL:HG22	3	0.41
(1,740)	1:A:36:ALA:HB1	1:A:78:VAL:HG23	3	0.41
(1,740)	1:A:36:ALA:HB2	1:A:78:VAL:HG21	3	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,740)	1:A:36:ALA:HB2	1:A:78:VAL:HG22	3	0.41
(1,740)	1:A:36:ALA:HB2	1:A:78:VAL:HG23	3	0.41
(1,740)	1:A:36:ALA:HB3	1:A:78:VAL:HG21	3	0.41
(1,740)	1:A:36:ALA:HB3	1:A:78:VAL:HG22	3	0.41
(1,740)	1:A:36:ALA:HB3	1:A:78:VAL:HG23	3	0.41
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD11	12	0.41
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD12	12	0.41
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD13	12	0.41
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD11	8	0.41
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD12	8	0.41
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD13	8	0.41
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD11	19	0.41
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD12	19	0.41
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD13	19	0.41
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD11	19	0.41
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD12	19	0.41
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD13	19	0.41
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD11	19	0.41
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD12	19	0.41
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD13	19	0.41
(1,670)	1:A:39:LEU:HD11	1:A:42:LYS:HG2	5	0.41
(1,670)	1:A:39:LEU:HD11	1:A:42:LYS:HG3	5	0.41
(1,670)	1:A:39:LEU:HD12	1:A:42:LYS:HG2	5	0.41
(1,670)	1:A:39:LEU:HD12	1:A:42:LYS:HG3	5	0.41
(1,670)	1:A:39:LEU:HD13	1:A:42:LYS:HG2	5	0.41
(1,670)	1:A:39:LEU:HD13	1:A:42:LYS:HG3	5	0.41
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG11	13	0.41
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG12	13	0.41
(1,647)	1:A:78:VAL:HG11	1:A:33:VAL:HG13	13	0.41
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG11	13	0.41
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG12	13	0.41
(1,647)	1:A:78:VAL:HG12	1:A:33:VAL:HG13	13	0.41
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG11	13	0.41
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG12	13	0.41
(1,647)	1:A:78:VAL:HG13	1:A:33:VAL:HG13	13	0.41
(1,58)	1:A:22:LEU:HD21	1:A:67:THR:HA	6	0.41
(1,58)	1:A:22:LEU:HD22	1:A:67:THR:HA	6	0.41
(1,58)	1:A:22:LEU:HD23	1:A:67:THR:HA	6	0.41
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD11	5	0.41
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD12	5	0.41
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD13	5	0.41
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD11	5	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD12	5	0.41
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD13	5	0.41
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD11	5	0.41
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD12	5	0.41
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD13	5	0.41
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD11	18	0.41
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD12	18	0.41
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD13	18	0.41
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD11	18	0.41
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD12	18	0.41
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD13	18	0.41
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD11	18	0.41
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD12	18	0.41
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD13	18	0.41
(1,2190)	1:B:111:LEU:HD21	1:B:159:LYS:HG2	4	0.41
(1,2190)	1:B:111:LEU:HD21	1:B:159:LYS:HG3	4	0.41
(1,2190)	1:B:111:LEU:HD22	1:B:159:LYS:HG2	4	0.41
(1,2190)	1:B:111:LEU:HD22	1:B:159:LYS:HG3	4	0.41
(1,2190)	1:B:111:LEU:HD23	1:B:159:LYS:HG2	4	0.41
(1,2190)	1:B:111:LEU:HD23	1:B:159:LYS:HG3	4	0.41
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG11	2	0.41
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG12	2	0.41
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG13	2	0.41
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG11	3	0.41
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG12	3	0.41
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG13	3	0.41
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG11	8	0.41
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG12	8	0.41
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG13	8	0.41
(1,1499)	1:A:22:LEU:HD11	1:A:23:ALA:H	8	0.41
(1,1499)	1:A:22:LEU:HD12	1:A:23:ALA:H	8	0.41
(1,1499)	1:A:22:LEU:HD13	1:A:23:ALA:H	8	0.41
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG11	17	0.41
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG12	17	0.41
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG13	17	0.41
(1,117)	1:A:55:ILE:HA	1:A:58:VAL:HG21	10	0.41
(1,117)	1:A:55:ILE:HA	1:A:58:VAL:HG22	10	0.41
(1,117)	1:A:55:ILE:HA	1:A:58:VAL:HG23	10	0.41
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD21	6	0.41
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD22	6	0.41
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD23	6	0.41
(1,743)	1:A:79:LYS:H	1:A:78:VAL:HG21	17	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,743)	1:A:79:LYS:H	1:A:78:VAL:HG22	17	0.4
(1,743)	1:A:79:LYS:H	1:A:78:VAL:HG23	17	0.4
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD11	4	0.4
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD12	4	0.4
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD13	4	0.4
(1,679)	1:A:13:VAL:HG21	1:A:78:VAL:HG11	4	0.4
(1,679)	1:A:13:VAL:HG21	1:A:78:VAL:HG12	4	0.4
(1,679)	1:A:13:VAL:HG21	1:A:78:VAL:HG13	4	0.4
(1,679)	1:A:13:VAL:HG22	1:A:78:VAL:HG11	4	0.4
(1,679)	1:A:13:VAL:HG22	1:A:78:VAL:HG12	4	0.4
(1,679)	1:A:13:VAL:HG22	1:A:78:VAL:HG13	4	0.4
(1,679)	1:A:13:VAL:HG23	1:A:78:VAL:HG11	4	0.4
(1,679)	1:A:13:VAL:HG23	1:A:78:VAL:HG12	4	0.4
(1,679)	1:A:13:VAL:HG23	1:A:78:VAL:HG13	4	0.4
(1,3065)	1:B:111:LEU:HD11	1:B:112:ALA:H	13	0.4
(1,3065)	1:B:111:LEU:HD12	1:B:112:ALA:H	13	0.4
(1,3065)	1:B:111:LEU:HD13	1:B:112:ALA:H	13	0.4
(1,2992)	1:B:128:LEU:HD11	1:B:128:LEU:H	7	0.4
(1,2992)	1:B:128:LEU:HD12	1:B:128:LEU:H	7	0.4
(1,2992)	1:B:128:LEU:HD13	1:B:128:LEU:H	7	0.4
(1,2459)	1:B:155:CYS:H	1:B:111:LEU:HD11	17	0.4
(1,2459)	1:B:155:CYS:H	1:B:111:LEU:HD12	17	0.4
(1,2459)	1:B:155:CYS:H	1:B:111:LEU:HD13	17	0.4
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG21	19	0.4
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG22	19	0.4
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG23	19	0.4
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG21	19	0.4
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG22	19	0.4
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG23	19	0.4
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG21	19	0.4
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG22	19	0.4
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG23	19	0.4
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD11	13	0.4
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD12	13	0.4
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD13	13	0.4
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD11	12	0.4
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD12	12	0.4
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD13	12	0.4
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD11	12	0.4
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD12	12	0.4
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD13	12	0.4
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD11	12	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD12	12	0.4
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD13	12	0.4
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD11	13	0.4
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD12	13	0.4
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD13	13	0.4
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD11	13	0.4
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD12	13	0.4
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD13	13	0.4
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD11	13	0.4
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD12	13	0.4
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD13	13	0.4
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD11	7	0.4
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD12	7	0.4
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD13	7	0.4
(1,2245)	1:B:102:VAL:HG21	1:B:167:VAL:HG11	19	0.4
(1,2245)	1:B:102:VAL:HG21	1:B:167:VAL:HG12	19	0.4
(1,2245)	1:B:102:VAL:HG21	1:B:167:VAL:HG13	19	0.4
(1,2245)	1:B:102:VAL:HG22	1:B:167:VAL:HG11	19	0.4
(1,2245)	1:B:102:VAL:HG22	1:B:167:VAL:HG12	19	0.4
(1,2245)	1:B:102:VAL:HG22	1:B:167:VAL:HG13	19	0.4
(1,2245)	1:B:102:VAL:HG23	1:B:167:VAL:HG11	19	0.4
(1,2245)	1:B:102:VAL:HG23	1:B:167:VAL:HG12	19	0.4
(1,2245)	1:B:102:VAL:HG23	1:B:167:VAL:HG13	19	0.4
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG11	10	0.4
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG12	10	0.4
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG13	10	0.4
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG11	19	0.4
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG12	19	0.4
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG13	19	0.4
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG21	2	0.4
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG22	2	0.4
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG23	2	0.4
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG11	5	0.4
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG12	5	0.4
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG13	5	0.4
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG11	8	0.4
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG12	8	0.4
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG13	8	0.4
(1,141)	1:A:55:ILE:HG12	1:A:33:VAL:HG21	4	0.4
(1,141)	1:A:55:ILE:HG12	1:A:33:VAL:HG22	4	0.4
(1,141)	1:A:55:ILE:HG12	1:A:33:VAL:HG23	4	0.4
(1,141)	1:A:55:ILE:HG13	1:A:33:VAL:HG21	4	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,141)	1:A:55:ILE:HG13	1:A:33:VAL:HG22	4	0.4
(1,141)	1:A:55:ILE:HG13	1:A:33:VAL:HG23	4	0.4
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB1	14	0.39
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB2	14	0.39
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB3	14	0.39
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB1	14	0.39
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB2	14	0.39
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB3	14	0.39
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB1	14	0.39
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB2	14	0.39
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB3	14	0.39
(1,786)	1:A:33:VAL:HG21	1:A:36:ALA:HB1	9	0.39
(1,786)	1:A:33:VAL:HG21	1:A:36:ALA:HB2	9	0.39
(1,786)	1:A:33:VAL:HG21	1:A:36:ALA:HB3	9	0.39
(1,786)	1:A:33:VAL:HG22	1:A:36:ALA:HB1	9	0.39
(1,786)	1:A:33:VAL:HG22	1:A:36:ALA:HB2	9	0.39
(1,786)	1:A:33:VAL:HG22	1:A:36:ALA:HB3	9	0.39
(1,786)	1:A:33:VAL:HG23	1:A:36:ALA:HB1	9	0.39
(1,786)	1:A:33:VAL:HG23	1:A:36:ALA:HB2	9	0.39
(1,786)	1:A:33:VAL:HG23	1:A:36:ALA:HB3	9	0.39
(1,740)	1:A:36:ALA:HB1	1:A:78:VAL:HG21	9	0.39
(1,740)	1:A:36:ALA:HB1	1:A:78:VAL:HG22	9	0.39
(1,740)	1:A:36:ALA:HB1	1:A:78:VAL:HG23	9	0.39
(1,740)	1:A:36:ALA:HB2	1:A:78:VAL:HG21	9	0.39
(1,740)	1:A:36:ALA:HB2	1:A:78:VAL:HG22	9	0.39
(1,740)	1:A:36:ALA:HB2	1:A:78:VAL:HG23	9	0.39
(1,740)	1:A:36:ALA:HB3	1:A:78:VAL:HG21	9	0.39
(1,740)	1:A:36:ALA:HB3	1:A:78:VAL:HG22	9	0.39
(1,740)	1:A:36:ALA:HB3	1:A:78:VAL:HG23	9	0.39
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD11	17	0.39
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD12	17	0.39
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD13	17	0.39
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG11	14	0.39
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG12	14	0.39
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG13	14	0.39
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG11	14	0.39
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG12	14	0.39
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG13	14	0.39
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG11	14	0.39
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG12	14	0.39
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG13	14	0.39
(1,670)	1:A:39:LEU:HD11	1:A:42:LYS:HG2	13	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,670)	1:A:39:LEU:HD11	1:A:42:LYS:HG3	13	0.39
(1,670)	1:A:39:LEU:HD12	1:A:42:LYS:HG2	13	0.39
(1,670)	1:A:39:LEU:HD12	1:A:42:LYS:HG3	13	0.39
(1,670)	1:A:39:LEU:HD13	1:A:42:LYS:HG2	13	0.39
(1,670)	1:A:39:LEU:HD13	1:A:42:LYS:HG3	13	0.39
(1,639)	1:A:63:VAL:HG11	1:A:29:GLN:HB2	17	0.39
(1,639)	1:A:63:VAL:HG11	1:A:29:GLN:HB3	17	0.39
(1,639)	1:A:63:VAL:HG12	1:A:29:GLN:HB2	17	0.39
(1,639)	1:A:63:VAL:HG12	1:A:29:GLN:HB3	17	0.39
(1,639)	1:A:63:VAL:HG13	1:A:29:GLN:HB2	17	0.39
(1,639)	1:A:63:VAL:HG13	1:A:29:GLN:HB3	17	0.39
(1,624)	1:A:22:LEU:HD21	1:A:70:LYS:HG2	14	0.39
(1,624)	1:A:22:LEU:HD21	1:A:70:LYS:HG3	14	0.39
(1,624)	1:A:22:LEU:HD22	1:A:70:LYS:HG2	14	0.39
(1,624)	1:A:22:LEU:HD22	1:A:70:LYS:HG3	14	0.39
(1,624)	1:A:22:LEU:HD23	1:A:70:LYS:HG2	14	0.39
(1,624)	1:A:22:LEU:HD23	1:A:70:LYS:HG3	14	0.39
(1,2657)	1:B:141:VAL:HG21	1:B:144:ILE:HD11	7	0.39
(1,2657)	1:B:141:VAL:HG21	1:B:144:ILE:HD12	7	0.39
(1,2657)	1:B:141:VAL:HG21	1:B:144:ILE:HD13	7	0.39
(1,2657)	1:B:141:VAL:HG22	1:B:144:ILE:HD11	7	0.39
(1,2657)	1:B:141:VAL:HG22	1:B:144:ILE:HD12	7	0.39
(1,2657)	1:B:141:VAL:HG22	1:B:144:ILE:HD13	7	0.39
(1,2657)	1:B:141:VAL:HG23	1:B:144:ILE:HD11	7	0.39
(1,2657)	1:B:141:VAL:HG23	1:B:144:ILE:HD12	7	0.39
(1,2657)	1:B:141:VAL:HG23	1:B:144:ILE:HD13	7	0.39
(1,2245)	1:B:102:VAL:HG21	1:B:167:VAL:HG11	9	0.39
(1,2245)	1:B:102:VAL:HG21	1:B:167:VAL:HG12	9	0.39
(1,2245)	1:B:102:VAL:HG21	1:B:167:VAL:HG13	9	0.39
(1,2245)	1:B:102:VAL:HG22	1:B:167:VAL:HG11	9	0.39
(1,2245)	1:B:102:VAL:HG22	1:B:167:VAL:HG12	9	0.39
(1,2245)	1:B:102:VAL:HG22	1:B:167:VAL:HG13	9	0.39
(1,2245)	1:B:102:VAL:HG23	1:B:167:VAL:HG11	9	0.39
(1,2245)	1:B:102:VAL:HG23	1:B:167:VAL:HG12	9	0.39
(1,2245)	1:B:102:VAL:HG23	1:B:167:VAL:HG13	9	0.39
(1,2205)	1:B:152:VAL:HG11	1:B:118:GLN:HB2	2	0.39
(1,2205)	1:B:152:VAL:HG11	1:B:118:GLN:HB3	2	0.39
(1,2205)	1:B:152:VAL:HG12	1:B:118:GLN:HB2	2	0.39
(1,2205)	1:B:152:VAL:HG12	1:B:118:GLN:HB3	2	0.39
(1,2205)	1:B:152:VAL:HG13	1:B:118:GLN:HB2	2	0.39
(1,2205)	1:B:152:VAL:HG13	1:B:118:GLN:HB3	2	0.39
(1,2190)	1:B:111:LEU:HD21	1:B:159:LYS:HG2	15	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2190)	1:B:111:LEU:HD21	1:B:159:LYS:HG3	15	0.39
(1,2190)	1:B:111:LEU:HD22	1:B:159:LYS:HG2	15	0.39
(1,2190)	1:B:111:LEU:HD22	1:B:159:LYS:HG3	15	0.39
(1,2190)	1:B:111:LEU:HD23	1:B:159:LYS:HG2	15	0.39
(1,2190)	1:B:111:LEU:HD23	1:B:159:LYS:HG3	15	0.39
(1,1801)	1:B:113:VAL:HG21	1:B:118:GLN:HA	14	0.39
(1,1801)	1:B:113:VAL:HG22	1:B:118:GLN:HA	14	0.39
(1,1801)	1:B:113:VAL:HG23	1:B:118:GLN:HA	14	0.39
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG21	19	0.39
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG22	19	0.39
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG23	19	0.39
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG21	19	0.39
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG22	19	0.39
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG23	19	0.39
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG21	19	0.39
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG22	19	0.39
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG23	19	0.39
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG21	5	0.39
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG22	5	0.39
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG23	5	0.39
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG21	5	0.39
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG22	5	0.39
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG23	5	0.39
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG21	5	0.39
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG22	5	0.39
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG23	5	0.39
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG11	2	0.39
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG12	2	0.39
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG13	2	0.39
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG11	10	0.39
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG12	10	0.39
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG13	10	0.39
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG11	12	0.39
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG12	12	0.39
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG13	12	0.39
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG11	14	0.39
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG12	14	0.39
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG13	14	0.39
(1,856)	1:A:35:PHE:HB2	1:A:39:LEU:HD11	20	0.38
(1,856)	1:A:35:PHE:HB2	1:A:39:LEU:HD12	20	0.38
(1,856)	1:A:35:PHE:HB2	1:A:39:LEU:HD13	20	0.38
(1,856)	1:A:35:PHE:HB3	1:A:39:LEU:HD11	20	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,856)	1:A:35:PHE:HB3	1:A:39:LEU:HD12	20	0.38
(1,856)	1:A:35:PHE:HB3	1:A:39:LEU:HD13	20	0.38
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD11	13	0.38
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD12	13	0.38
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD13	13	0.38
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD11	14	0.38
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD12	14	0.38
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD13	14	0.38
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD11	14	0.38
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD12	14	0.38
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD13	14	0.38
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD11	14	0.38
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD12	14	0.38
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD13	14	0.38
(1,670)	1:A:39:LEU:HD11	1:A:42:LYS:HG2	1	0.38
(1,670)	1:A:39:LEU:HD11	1:A:42:LYS:HG3	1	0.38
(1,670)	1:A:39:LEU:HD12	1:A:42:LYS:HG2	1	0.38
(1,670)	1:A:39:LEU:HD12	1:A:42:LYS:HG3	1	0.38
(1,670)	1:A:39:LEU:HD13	1:A:42:LYS:HG2	1	0.38
(1,670)	1:A:39:LEU:HD13	1:A:42:LYS:HG3	1	0.38
(1,639)	1:A:63:VAL:HG11	1:A:29:GLN:HB2	9	0.38
(1,639)	1:A:63:VAL:HG11	1:A:29:GLN:HB3	9	0.38
(1,639)	1:A:63:VAL:HG12	1:A:29:GLN:HB2	9	0.38
(1,639)	1:A:63:VAL:HG12	1:A:29:GLN:HB3	9	0.38
(1,639)	1:A:63:VAL:HG13	1:A:29:GLN:HB2	9	0.38
(1,639)	1:A:63:VAL:HG13	1:A:29:GLN:HB3	9	0.38
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD11	5	0.38
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD12	5	0.38
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD13	5	0.38
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD11	12	0.38
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD12	12	0.38
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD13	12	0.38
(1,2422)	1:B:124:PHE:HB2	1:B:128:LEU:HD11	10	0.38
(1,2422)	1:B:124:PHE:HB2	1:B:128:LEU:HD12	10	0.38
(1,2422)	1:B:124:PHE:HB2	1:B:128:LEU:HD13	10	0.38
(1,2422)	1:B:124:PHE:HB3	1:B:128:LEU:HD11	10	0.38
(1,2422)	1:B:124:PHE:HB3	1:B:128:LEU:HD12	10	0.38
(1,2422)	1:B:124:PHE:HB3	1:B:128:LEU:HD13	10	0.38
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB1	18	0.38
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB2	18	0.38
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB3	18	0.38
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB1	18	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB2	18	0.38
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB3	18	0.38
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB1	18	0.38
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB2	18	0.38
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB3	18	0.38
(1,2352)	1:B:122:VAL:HG21	1:B:125:ALA:HB1	11	0.38
(1,2352)	1:B:122:VAL:HG21	1:B:125:ALA:HB2	11	0.38
(1,2352)	1:B:122:VAL:HG21	1:B:125:ALA:HB3	11	0.38
(1,2352)	1:B:122:VAL:HG22	1:B:125:ALA:HB1	11	0.38
(1,2352)	1:B:122:VAL:HG22	1:B:125:ALA:HB2	11	0.38
(1,2352)	1:B:122:VAL:HG22	1:B:125:ALA:HB3	11	0.38
(1,2352)	1:B:122:VAL:HG23	1:B:125:ALA:HB1	11	0.38
(1,2352)	1:B:122:VAL:HG23	1:B:125:ALA:HB2	11	0.38
(1,2352)	1:B:122:VAL:HG23	1:B:125:ALA:HB3	11	0.38
(1,235)	1:A:24:VAL:HG21	1:A:29:GLN:HA	2	0.38
(1,235)	1:A:24:VAL:HG22	1:A:29:GLN:HA	2	0.38
(1,235)	1:A:24:VAL:HG23	1:A:29:GLN:HA	2	0.38
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG21	19	0.38
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG22	19	0.38
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG23	19	0.38
(1,2264)	1:B:118:GLN:HG2	1:B:152:VAL:HG11	18	0.38
(1,2264)	1:B:118:GLN:HG2	1:B:152:VAL:HG12	18	0.38
(1,2264)	1:B:118:GLN:HG2	1:B:152:VAL:HG13	18	0.38
(1,2264)	1:B:118:GLN:HG3	1:B:152:VAL:HG11	18	0.38
(1,2264)	1:B:118:GLN:HG3	1:B:152:VAL:HG12	18	0.38
(1,2264)	1:B:118:GLN:HG3	1:B:152:VAL:HG13	18	0.38
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD11	20	0.38
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD12	20	0.38
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD13	20	0.38
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD11	20	0.38
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD12	20	0.38
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD13	20	0.38
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD11	20	0.38
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD12	20	0.38
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD13	20	0.38
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG11	18	0.38
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG12	18	0.38
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG13	18	0.38
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG11	18	0.38
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG12	18	0.38
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG13	18	0.38
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG11	18	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG12	18	0.38
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG13	18	0.38
(1,1801)	1:B:113:VAL:HG21	1:B:118:GLN:HA	9	0.38
(1,1801)	1:B:113:VAL:HG22	1:B:118:GLN:HA	9	0.38
(1,1801)	1:B:113:VAL:HG23	1:B:118:GLN:HA	9	0.38
(1,1737)	1:B:122:VAL:HG21	1:B:147:VAL:HB	19	0.38
(1,1737)	1:B:122:VAL:HG22	1:B:147:VAL:HB	19	0.38
(1,1737)	1:B:122:VAL:HG23	1:B:147:VAL:HB	19	0.38
(1,168)	1:A:55:ILE:HD11	1:A:50:LEU:HD11	8	0.38
(1,168)	1:A:55:ILE:HD11	1:A:50:LEU:HD12	8	0.38
(1,168)	1:A:55:ILE:HD11	1:A:50:LEU:HD13	8	0.38
(1,168)	1:A:55:ILE:HD12	1:A:50:LEU:HD11	8	0.38
(1,168)	1:A:55:ILE:HD12	1:A:50:LEU:HD12	8	0.38
(1,168)	1:A:55:ILE:HD12	1:A:50:LEU:HD13	8	0.38
(1,168)	1:A:55:ILE:HD13	1:A:50:LEU:HD11	8	0.38
(1,168)	1:A:55:ILE:HD13	1:A:50:LEU:HD12	8	0.38
(1,168)	1:A:55:ILE:HD13	1:A:50:LEU:HD13	8	0.38
(1,1676)	1:B:149:PRO:HA	1:B:152:VAL:HG11	12	0.38
(1,1676)	1:B:149:PRO:HA	1:B:152:VAL:HG12	12	0.38
(1,1676)	1:B:149:PRO:HA	1:B:152:VAL:HG13	12	0.38
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG11	4	0.38
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG12	4	0.38
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG13	4	0.38
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG21	7	0.37
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG22	7	0.37
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG23	7	0.37
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG21	7	0.37
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG22	7	0.37
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG23	7	0.37
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG21	7	0.37
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG22	7	0.37
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG23	7	0.37
(1,743)	1:A:79:LYS:H	1:A:78:VAL:HG21	3	0.37
(1,743)	1:A:79:LYS:H	1:A:78:VAL:HG22	3	0.37
(1,743)	1:A:79:LYS:H	1:A:78:VAL:HG23	3	0.37
(1,740)	1:A:36:ALA:HB1	1:A:78:VAL:HG21	11	0.37
(1,740)	1:A:36:ALA:HB1	1:A:78:VAL:HG22	11	0.37
(1,740)	1:A:36:ALA:HB1	1:A:78:VAL:HG23	11	0.37
(1,740)	1:A:36:ALA:HB2	1:A:78:VAL:HG21	11	0.37
(1,740)	1:A:36:ALA:HB2	1:A:78:VAL:HG22	11	0.37
(1,740)	1:A:36:ALA:HB2	1:A:78:VAL:HG23	11	0.37
(1,740)	1:A:36:ALA:HB3	1:A:78:VAL:HG21	11	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,740)	1:A:36:ALA:HB3	1:A:78:VAL:HG22	11	0.37
(1,740)	1:A:36:ALA:HB3	1:A:78:VAL:HG23	11	0.37
(1,474)	1:A:24:VAL:HG21	1:A:29:GLN:HG2	4	0.37
(1,474)	1:A:24:VAL:HG21	1:A:29:GLN:HG3	4	0.37
(1,474)	1:A:24:VAL:HG22	1:A:29:GLN:HG2	4	0.37
(1,474)	1:A:24:VAL:HG22	1:A:29:GLN:HG3	4	0.37
(1,474)	1:A:24:VAL:HG23	1:A:29:GLN:HG2	4	0.37
(1,474)	1:A:24:VAL:HG23	1:A:29:GLN:HG3	4	0.37
(1,467)	1:A:24:VAL:HG21	1:A:29:GLN:HG2	4	0.37
(1,467)	1:A:24:VAL:HG21	1:A:29:GLN:HG3	4	0.37
(1,467)	1:A:24:VAL:HG22	1:A:29:GLN:HG2	4	0.37
(1,467)	1:A:24:VAL:HG22	1:A:29:GLN:HG3	4	0.37
(1,467)	1:A:24:VAL:HG23	1:A:29:GLN:HG2	4	0.37
(1,467)	1:A:24:VAL:HG23	1:A:29:GLN:HG3	4	0.37
(1,2992)	1:B:128:LEU:HD11	1:B:128:LEU:H	13	0.37
(1,2992)	1:B:128:LEU:HD12	1:B:128:LEU:H	13	0.37
(1,2992)	1:B:128:LEU:HD13	1:B:128:LEU:H	13	0.37
(1,2992)	1:B:128:LEU:HD11	1:B:128:LEU:H	17	0.37
(1,2992)	1:B:128:LEU:HD12	1:B:128:LEU:H	17	0.37
(1,2992)	1:B:128:LEU:HD13	1:B:128:LEU:H	17	0.37
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG21	1	0.37
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG22	1	0.37
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG23	1	0.37
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG21	1	0.37
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG22	1	0.37
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG23	1	0.37
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG21	1	0.37
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG22	1	0.37
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG23	1	0.37
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB1	6	0.37
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB2	6	0.37
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB3	6	0.37
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB1	6	0.37
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB2	6	0.37
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB3	6	0.37
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB1	6	0.37
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB2	6	0.37
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB3	6	0.37
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB1	10	0.37
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB2	10	0.37
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB3	10	0.37
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB1	10	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB2	10	0.37
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB3	10	0.37
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB1	10	0.37
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB2	10	0.37
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB3	10	0.37
(1,2309)	1:B:168:LYS:H	1:B:167:VAL:HG21	18	0.37
(1,2309)	1:B:168:LYS:H	1:B:167:VAL:HG22	18	0.37
(1,2309)	1:B:168:LYS:H	1:B:167:VAL:HG23	18	0.37
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG21	14	0.37
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG22	14	0.37
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG23	14	0.37
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD11	17	0.37
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD12	17	0.37
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD13	17	0.37
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD11	13	0.37
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD12	13	0.37
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD13	13	0.37
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD11	17	0.37
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD12	17	0.37
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD13	17	0.37
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG11	6	0.37
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG12	6	0.37
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG13	6	0.37
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG11	6	0.37
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG12	6	0.37
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG13	6	0.37
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG11	6	0.37
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG12	6	0.37
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG13	6	0.37
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG11	10	0.37
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG12	10	0.37
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG13	10	0.37
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG11	10	0.37
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG12	10	0.37
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG13	10	0.37
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG11	10	0.37
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG12	10	0.37
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG13	10	0.37
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG11	3	0.37
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG12	3	0.37
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG13	3	0.37
(1,2236)	1:B:128:LEU:HD11	1:B:131:LYS:HG2	4	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2236)	1:B:128:LEU:HD11	1:B:131:LYS:HG3	4	0.37
(1,2236)	1:B:128:LEU:HD12	1:B:131:LYS:HG2	4	0.37
(1,2236)	1:B:128:LEU:HD12	1:B:131:LYS:HG3	4	0.37
(1,2236)	1:B:128:LEU:HD13	1:B:131:LYS:HG2	4	0.37
(1,2236)	1:B:128:LEU:HD13	1:B:131:LYS:HG3	4	0.37
(1,1737)	1:B:122:VAL:HG21	1:B:147:VAL:HB	14	0.37
(1,1737)	1:B:122:VAL:HG22	1:B:147:VAL:HB	14	0.37
(1,1737)	1:B:122:VAL:HG23	1:B:147:VAL:HB	14	0.37
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG21	8	0.37
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG22	8	0.37
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG23	8	0.37
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG21	8	0.37
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG22	8	0.37
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG23	8	0.37
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG21	8	0.37
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG22	8	0.37
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG23	8	0.37
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG11	12	0.37
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG12	12	0.37
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG13	12	0.37
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG11	15	0.37
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG12	15	0.37
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG13	15	0.37
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG11	17	0.37
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG12	17	0.37
(1,1708)	1:B:141:VAL:HA	1:B:141:VAL:HG13	17	0.37
(1,1707)	1:B:144:ILE:HG12	1:B:122:VAL:HG21	16	0.37
(1,1707)	1:B:144:ILE:HG12	1:B:122:VAL:HG22	16	0.37
(1,1707)	1:B:144:ILE:HG12	1:B:122:VAL:HG23	16	0.37
(1,1707)	1:B:144:ILE:HG13	1:B:122:VAL:HG21	16	0.37
(1,1707)	1:B:144:ILE:HG13	1:B:122:VAL:HG22	16	0.37
(1,1707)	1:B:144:ILE:HG13	1:B:122:VAL:HG23	16	0.37
(1,1671)	1:B:156:THR:HA	1:B:111:LEU:HD21	4	0.37
(1,1671)	1:B:156:THR:HA	1:B:111:LEU:HD22	4	0.37
(1,1671)	1:B:156:THR:HA	1:B:111:LEU:HD23	4	0.37
(1,1624)	1:B:111:LEU:HD21	1:B:156:THR:HA	4	0.37
(1,1624)	1:B:111:LEU:HD22	1:B:156:THR:HA	4	0.37
(1,1624)	1:B:111:LEU:HD23	1:B:156:THR:HA	4	0.37
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG11	13	0.37
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG12	13	0.37
(1,142)	1:A:52:VAL:HA	1:A:52:VAL:HG13	13	0.37
(1,893)	1:A:66:CYS:H	1:A:22:LEU:HD11	13	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,893)	1:A:66:CYS:H	1:A:22:LEU:HD12	13	0.36
(1,893)	1:A:66:CYS:H	1:A:22:LEU:HD13	13	0.36
(1,786)	1:A:33:VAL:HG21	1:A:36:ALA:HB1	3	0.36
(1,786)	1:A:33:VAL:HG21	1:A:36:ALA:HB2	3	0.36
(1,786)	1:A:33:VAL:HG21	1:A:36:ALA:HB3	3	0.36
(1,786)	1:A:33:VAL:HG22	1:A:36:ALA:HB1	3	0.36
(1,786)	1:A:33:VAL:HG22	1:A:36:ALA:HB2	3	0.36
(1,786)	1:A:33:VAL:HG22	1:A:36:ALA:HB3	3	0.36
(1,786)	1:A:33:VAL:HG23	1:A:36:ALA:HB1	3	0.36
(1,786)	1:A:33:VAL:HG23	1:A:36:ALA:HB2	3	0.36
(1,786)	1:A:33:VAL:HG23	1:A:36:ALA:HB3	3	0.36
(1,786)	1:A:33:VAL:HG21	1:A:36:ALA:HB1	11	0.36
(1,786)	1:A:33:VAL:HG21	1:A:36:ALA:HB2	11	0.36
(1,786)	1:A:33:VAL:HG21	1:A:36:ALA:HB3	11	0.36
(1,786)	1:A:33:VAL:HG22	1:A:36:ALA:HB1	11	0.36
(1,786)	1:A:33:VAL:HG22	1:A:36:ALA:HB2	11	0.36
(1,786)	1:A:33:VAL:HG22	1:A:36:ALA:HB3	11	0.36
(1,786)	1:A:33:VAL:HG23	1:A:36:ALA:HB1	11	0.36
(1,786)	1:A:33:VAL:HG23	1:A:36:ALA:HB2	11	0.36
(1,786)	1:A:33:VAL:HG23	1:A:36:ALA:HB3	11	0.36
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD11	10	0.36
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD12	10	0.36
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD13	10	0.36
(1,670)	1:A:39:LEU:HD11	1:A:42:LYS:HG2	10	0.36
(1,670)	1:A:39:LEU:HD11	1:A:42:LYS:HG3	10	0.36
(1,670)	1:A:39:LEU:HD12	1:A:42:LYS:HG2	10	0.36
(1,670)	1:A:39:LEU:HD12	1:A:42:LYS:HG3	10	0.36
(1,670)	1:A:39:LEU:HD13	1:A:42:LYS:HG2	10	0.36
(1,670)	1:A:39:LEU:HD13	1:A:42:LYS:HG3	10	0.36
(1,649)	1:A:30:PRO:HA	1:A:33:VAL:HG11	17	0.36
(1,649)	1:A:30:PRO:HA	1:A:33:VAL:HG12	17	0.36
(1,649)	1:A:30:PRO:HA	1:A:33:VAL:HG13	17	0.36
(1,639)	1:A:63:VAL:HG11	1:A:29:GLN:HB2	18	0.36
(1,639)	1:A:63:VAL:HG11	1:A:29:GLN:HB3	18	0.36
(1,639)	1:A:63:VAL:HG12	1:A:29:GLN:HB2	18	0.36
(1,639)	1:A:63:VAL:HG12	1:A:29:GLN:HB3	18	0.36
(1,639)	1:A:63:VAL:HG13	1:A:29:GLN:HB2	18	0.36
(1,639)	1:A:63:VAL:HG13	1:A:29:GLN:HB3	18	0.36
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD11	13	0.36
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD12	13	0.36
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD13	13	0.36
(1,2309)	1:B:168:LYS:H	1:B:167:VAL:HG21	16	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2309)	1:B:168:LYS:H	1:B:167:VAL:HG22	16	0.36
(1,2309)	1:B:168:LYS:H	1:B:167:VAL:HG23	16	0.36
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG21	20	0.36
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG22	20	0.36
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG23	20	0.36
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG21	20	0.36
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG22	20	0.36
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG23	20	0.36
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG21	20	0.36
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG22	20	0.36
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG23	20	0.36
(1,2236)	1:B:128:LEU:HD11	1:B:131:LYS:HG2	5	0.36
(1,2236)	1:B:128:LEU:HD11	1:B:131:LYS:HG3	5	0.36
(1,2236)	1:B:128:LEU:HD12	1:B:131:LYS:HG2	5	0.36
(1,2236)	1:B:128:LEU:HD12	1:B:131:LYS:HG3	5	0.36
(1,2236)	1:B:128:LEU:HD13	1:B:131:LYS:HG2	5	0.36
(1,2236)	1:B:128:LEU:HD13	1:B:131:LYS:HG3	5	0.36
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG21	12	0.36
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG22	12	0.36
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG23	12	0.36
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG21	16	0.36
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG22	16	0.36
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG23	16	0.36
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG21	17	0.36
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG22	17	0.36
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG23	17	0.36
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG21	18	0.36
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG22	18	0.36
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG23	18	0.36
(1,1028)	1:A:22:LEU:HD21	1:A:70:LYS:HD2	10	0.36
(1,1028)	1:A:22:LEU:HD21	1:A:70:LYS:HD3	10	0.36
(1,1028)	1:A:22:LEU:HD22	1:A:70:LYS:HD2	10	0.36
(1,1028)	1:A:22:LEU:HD22	1:A:70:LYS:HD3	10	0.36
(1,1028)	1:A:22:LEU:HD23	1:A:70:LYS:HD2	10	0.36
(1,1028)	1:A:22:LEU:HD23	1:A:70:LYS:HD3	10	0.36
(1,1023)	1:A:22:LEU:HD21	1:A:70:LYS:HB2	13	0.36
(1,1023)	1:A:22:LEU:HD21	1:A:70:LYS:HB3	13	0.36
(1,1023)	1:A:22:LEU:HD22	1:A:70:LYS:HB2	13	0.36
(1,1023)	1:A:22:LEU:HD22	1:A:70:LYS:HB3	13	0.36
(1,1023)	1:A:22:LEU:HD23	1:A:70:LYS:HB2	13	0.36
(1,1023)	1:A:22:LEU:HD23	1:A:70:LYS:HB3	13	0.36
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD11	19	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD12	19	0.35
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD13	19	0.35
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB1	1	0.35
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB2	1	0.35
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB3	1	0.35
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB1	1	0.35
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB2	1	0.35
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB3	1	0.35
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB1	1	0.35
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB2	1	0.35
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB3	1	0.35
(1,740)	1:A:36:ALA:HB1	1:A:78:VAL:HG21	1	0.35
(1,740)	1:A:36:ALA:HB1	1:A:78:VAL:HG22	1	0.35
(1,740)	1:A:36:ALA:HB1	1:A:78:VAL:HG23	1	0.35
(1,740)	1:A:36:ALA:HB2	1:A:78:VAL:HG21	1	0.35
(1,740)	1:A:36:ALA:HB2	1:A:78:VAL:HG22	1	0.35
(1,740)	1:A:36:ALA:HB2	1:A:78:VAL:HG23	1	0.35
(1,740)	1:A:36:ALA:HB3	1:A:78:VAL:HG21	1	0.35
(1,740)	1:A:36:ALA:HB3	1:A:78:VAL:HG22	1	0.35
(1,740)	1:A:36:ALA:HB3	1:A:78:VAL:HG23	1	0.35
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD11	16	0.35
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD12	16	0.35
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD13	16	0.35
(1,698)	1:A:29:GLN:HG2	1:A:63:VAL:HG11	1	0.35
(1,698)	1:A:29:GLN:HG2	1:A:63:VAL:HG12	1	0.35
(1,698)	1:A:29:GLN:HG2	1:A:63:VAL:HG13	1	0.35
(1,698)	1:A:29:GLN:HG3	1:A:63:VAL:HG11	1	0.35
(1,698)	1:A:29:GLN:HG3	1:A:63:VAL:HG12	1	0.35
(1,698)	1:A:29:GLN:HG3	1:A:63:VAL:HG13	1	0.35
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG11	1	0.35
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG12	1	0.35
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG13	1	0.35
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG11	1	0.35
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG12	1	0.35
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG13	1	0.35
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG11	1	0.35
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG12	1	0.35
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG13	1	0.35
(1,2992)	1:B:128:LEU:HD11	1:B:128:LEU:H	5	0.35
(1,2992)	1:B:128:LEU:HD12	1:B:128:LEU:H	5	0.35
(1,2992)	1:B:128:LEU:HD13	1:B:128:LEU:H	5	0.35
(1,2606)	1:B:167:VAL:HG11	1:B:163:PHE:HA	8	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2606)	1:B:167:VAL:HG12	1:B:163:PHE:HA	8	0.35
(1,2606)	1:B:167:VAL:HG13	1:B:163:PHE:HA	8	0.35
(1,2518)	1:B:152:VAL:HG21	1:B:153:GLN:HG2	9	0.35
(1,2518)	1:B:152:VAL:HG21	1:B:153:GLN:HG3	9	0.35
(1,2518)	1:B:152:VAL:HG22	1:B:153:GLN:HG2	9	0.35
(1,2518)	1:B:152:VAL:HG22	1:B:153:GLN:HG3	9	0.35
(1,2518)	1:B:152:VAL:HG23	1:B:153:GLN:HG2	9	0.35
(1,2518)	1:B:152:VAL:HG23	1:B:153:GLN:HG3	9	0.35
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG21	9	0.35
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG22	9	0.35
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG23	9	0.35
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD11	16	0.35
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD12	16	0.35
(1,2249)	1:B:127:ALA:HB1	1:B:128:LEU:HD13	16	0.35
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD11	16	0.35
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD12	16	0.35
(1,2249)	1:B:127:ALA:HB2	1:B:128:LEU:HD13	16	0.35
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD11	16	0.35
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD12	16	0.35
(1,2249)	1:B:127:ALA:HB3	1:B:128:LEU:HD13	16	0.35
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD11	5	0.35
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD12	5	0.35
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD13	5	0.35
(1,2236)	1:B:128:LEU:HD11	1:B:131:LYS:HG2	10	0.35
(1,2236)	1:B:128:LEU:HD11	1:B:131:LYS:HG3	10	0.35
(1,2236)	1:B:128:LEU:HD12	1:B:131:LYS:HG2	10	0.35
(1,2236)	1:B:128:LEU:HD12	1:B:131:LYS:HG3	10	0.35
(1,2236)	1:B:128:LEU:HD13	1:B:131:LYS:HG2	10	0.35
(1,2236)	1:B:128:LEU:HD13	1:B:131:LYS:HG3	10	0.35
(1,1737)	1:B:122:VAL:HG21	1:B:147:VAL:HB	9	0.35
(1,1737)	1:B:122:VAL:HG22	1:B:147:VAL:HB	9	0.35
(1,1737)	1:B:122:VAL:HG23	1:B:147:VAL:HB	9	0.35
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG21	12	0.35
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG22	12	0.35
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG23	12	0.35
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG21	12	0.35
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG22	12	0.35
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG23	12	0.35
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG21	12	0.35
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG22	12	0.35
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG23	12	0.35
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG21	3	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG22	3	0.35
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG23	3	0.35
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG21	3	0.35
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG22	3	0.35
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG23	3	0.35
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG21	3	0.35
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG22	3	0.35
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG23	3	0.35
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG21	9	0.35
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG22	9	0.35
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG23	9	0.35
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG21	9	0.35
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG22	9	0.35
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG23	9	0.35
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG21	9	0.35
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG22	9	0.35
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG23	9	0.35
(1,856)	1:A:35:PHE:HB2	1:A:39:LEU:HD11	3	0.34
(1,856)	1:A:35:PHE:HB2	1:A:39:LEU:HD12	3	0.34
(1,856)	1:A:35:PHE:HB2	1:A:39:LEU:HD13	3	0.34
(1,856)	1:A:35:PHE:HB3	1:A:39:LEU:HD11	3	0.34
(1,856)	1:A:35:PHE:HB3	1:A:39:LEU:HD12	3	0.34
(1,856)	1:A:35:PHE:HB3	1:A:39:LEU:HD13	3	0.34
(1,743)	1:A:79:LYS:H	1:A:78:VAL:HG21	9	0.34
(1,743)	1:A:79:LYS:H	1:A:78:VAL:HG22	9	0.34
(1,743)	1:A:79:LYS:H	1:A:78:VAL:HG23	9	0.34
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD11	14	0.34
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD12	14	0.34
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD13	14	0.34
(1,670)	1:A:39:LEU:HD11	1:A:42:LYS:HG2	7	0.34
(1,670)	1:A:39:LEU:HD11	1:A:42:LYS:HG3	7	0.34
(1,670)	1:A:39:LEU:HD12	1:A:42:LYS:HG2	7	0.34
(1,670)	1:A:39:LEU:HD12	1:A:42:LYS:HG3	7	0.34
(1,670)	1:A:39:LEU:HD13	1:A:42:LYS:HG2	7	0.34
(1,670)	1:A:39:LEU:HD13	1:A:42:LYS:HG3	7	0.34
(1,58)	1:A:22:LEU:HD21	1:A:67:THR:HA	16	0.34
(1,58)	1:A:22:LEU:HD22	1:A:67:THR:HA	16	0.34
(1,58)	1:A:22:LEU:HD23	1:A:67:THR:HA	16	0.34
(1,2992)	1:B:128:LEU:HD11	1:B:128:LEU:H	18	0.34
(1,2992)	1:B:128:LEU:HD12	1:B:128:LEU:H	18	0.34
(1,2992)	1:B:128:LEU:HD13	1:B:128:LEU:H	18	0.34
(1,2953)	1:B:167:VAL:HG21	1:B:126:GLU:H	10	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2953)	1:B:167:VAL:HG22	1:B:126:GLU:H	10	0.34
(1,2953)	1:B:167:VAL:HG23	1:B:126:GLU:H	10	0.34
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA2	15	0.34
(1,2537)	1:B:141:VAL:HG11	1:B:143:GLY:HA3	15	0.34
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA2	15	0.34
(1,2537)	1:B:141:VAL:HG12	1:B:143:GLY:HA3	15	0.34
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA2	15	0.34
(1,2537)	1:B:141:VAL:HG13	1:B:143:GLY:HA3	15	0.34
(1,2459)	1:B:155:CYS:H	1:B:111:LEU:HD11	11	0.34
(1,2459)	1:B:155:CYS:H	1:B:111:LEU:HD12	11	0.34
(1,2459)	1:B:155:CYS:H	1:B:111:LEU:HD13	11	0.34
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD11	18	0.34
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD12	18	0.34
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD13	18	0.34
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB1	5	0.34
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB2	5	0.34
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB3	5	0.34
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB1	5	0.34
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB2	5	0.34
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB3	5	0.34
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB1	5	0.34
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB2	5	0.34
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB3	5	0.34
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG21	10	0.34
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG22	10	0.34
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG23	10	0.34
(1,2297)	1:B:144:ILE:HD11	1:B:122:VAL:HG21	8	0.34
(1,2297)	1:B:144:ILE:HD11	1:B:122:VAL:HG22	8	0.34
(1,2297)	1:B:144:ILE:HD11	1:B:122:VAL:HG23	8	0.34
(1,2297)	1:B:144:ILE:HD12	1:B:122:VAL:HG21	8	0.34
(1,2297)	1:B:144:ILE:HD12	1:B:122:VAL:HG22	8	0.34
(1,2297)	1:B:144:ILE:HD12	1:B:122:VAL:HG23	8	0.34
(1,2297)	1:B:144:ILE:HD13	1:B:122:VAL:HG21	8	0.34
(1,2297)	1:B:144:ILE:HD13	1:B:122:VAL:HG22	8	0.34
(1,2297)	1:B:144:ILE:HD13	1:B:122:VAL:HG23	8	0.34
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG21	20	0.34
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG22	20	0.34
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG23	20	0.34
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD11	4	0.34
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD12	4	0.34
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD13	4	0.34
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD11	10	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD12	10	0.34
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD13	10	0.34
(1,2264)	1:B:118:GLN:HG2	1:B:152:VAL:HG11	10	0.34
(1,2264)	1:B:118:GLN:HG2	1:B:152:VAL:HG12	10	0.34
(1,2264)	1:B:118:GLN:HG2	1:B:152:VAL:HG13	10	0.34
(1,2264)	1:B:118:GLN:HG3	1:B:152:VAL:HG11	10	0.34
(1,2264)	1:B:118:GLN:HG3	1:B:152:VAL:HG12	10	0.34
(1,2264)	1:B:118:GLN:HG3	1:B:152:VAL:HG13	10	0.34
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD11	18	0.34
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD12	18	0.34
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD13	18	0.34
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG11	5	0.34
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG12	5	0.34
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG13	5	0.34
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG11	5	0.34
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG12	5	0.34
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG13	5	0.34
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG11	5	0.34
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG12	5	0.34
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG13	5	0.34
(1,2236)	1:B:128:LEU:HD11	1:B:131:LYS:HG2	12	0.34
(1,2236)	1:B:128:LEU:HD11	1:B:131:LYS:HG3	12	0.34
(1,2236)	1:B:128:LEU:HD12	1:B:131:LYS:HG2	12	0.34
(1,2236)	1:B:128:LEU:HD12	1:B:131:LYS:HG3	12	0.34
(1,2236)	1:B:128:LEU:HD13	1:B:131:LYS:HG2	12	0.34
(1,2236)	1:B:128:LEU:HD13	1:B:131:LYS:HG3	12	0.34
(1,1737)	1:B:122:VAL:HG21	1:B:147:VAL:HB	20	0.34
(1,1737)	1:B:122:VAL:HG22	1:B:147:VAL:HB	20	0.34
(1,1737)	1:B:122:VAL:HG23	1:B:147:VAL:HB	20	0.34
(1,1426)	1:A:39:LEU:HD11	1:A:39:LEU:H	14	0.34
(1,1426)	1:A:39:LEU:HD12	1:A:39:LEU:H	14	0.34
(1,1426)	1:A:39:LEU:HD13	1:A:39:LEU:H	14	0.34
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD21	16	0.34
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD22	16	0.34
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD23	16	0.34
(1,952)	1:A:63:VAL:HG21	1:A:64:GLN:HG2	10	0.33
(1,952)	1:A:63:VAL:HG21	1:A:64:GLN:HG3	10	0.33
(1,952)	1:A:63:VAL:HG22	1:A:64:GLN:HG2	10	0.33
(1,952)	1:A:63:VAL:HG22	1:A:64:GLN:HG3	10	0.33
(1,952)	1:A:63:VAL:HG23	1:A:64:GLN:HG2	10	0.33
(1,952)	1:A:63:VAL:HG23	1:A:64:GLN:HG3	10	0.33
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG21	6	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG22	6	0.33
(1,771)	1:A:33:VAL:HG11	1:A:62:ILE:HG23	6	0.33
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG21	6	0.33
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG22	6	0.33
(1,771)	1:A:33:VAL:HG12	1:A:62:ILE:HG23	6	0.33
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG21	6	0.33
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG22	6	0.33
(1,771)	1:A:33:VAL:HG13	1:A:62:ILE:HG23	6	0.33
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD11	19	0.33
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD12	19	0.33
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD13	19	0.33
(1,677)	1:A:33:VAL:HA	1:A:78:VAL:HG11	12	0.33
(1,677)	1:A:33:VAL:HA	1:A:78:VAL:HG12	12	0.33
(1,677)	1:A:33:VAL:HA	1:A:78:VAL:HG13	12	0.33
(1,670)	1:A:39:LEU:HD11	1:A:42:LYS:HG2	16	0.33
(1,670)	1:A:39:LEU:HD11	1:A:42:LYS:HG3	16	0.33
(1,670)	1:A:39:LEU:HD12	1:A:42:LYS:HG2	16	0.33
(1,670)	1:A:39:LEU:HD12	1:A:42:LYS:HG3	16	0.33
(1,670)	1:A:39:LEU:HD13	1:A:42:LYS:HG2	16	0.33
(1,670)	1:A:39:LEU:HD13	1:A:42:LYS:HG3	16	0.33
(1,58)	1:A:22:LEU:HD21	1:A:67:THR:HA	15	0.33
(1,58)	1:A:22:LEU:HD22	1:A:67:THR:HA	15	0.33
(1,58)	1:A:22:LEU:HD23	1:A:67:THR:HA	15	0.33
(1,2992)	1:B:128:LEU:HD11	1:B:128:LEU:H	20	0.33
(1,2992)	1:B:128:LEU:HD12	1:B:128:LEU:H	20	0.33
(1,2992)	1:B:128:LEU:HD13	1:B:128:LEU:H	20	0.33
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG21	5	0.33
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG22	5	0.33
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG23	5	0.33
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG21	5	0.33
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG22	5	0.33
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG23	5	0.33
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG21	5	0.33
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG22	5	0.33
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG23	5	0.33
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG21	16	0.33
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG22	16	0.33
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG23	16	0.33
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG21	16	0.33
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG22	16	0.33
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG23	16	0.33
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG21	16	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG22	16	0.33
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG23	16	0.33
(1,2534)	1:B:139:LEU:HD11	1:B:141:VAL:HG11	1	0.33
(1,2534)	1:B:139:LEU:HD11	1:B:141:VAL:HG12	1	0.33
(1,2534)	1:B:139:LEU:HD11	1:B:141:VAL:HG13	1	0.33
(1,2534)	1:B:139:LEU:HD12	1:B:141:VAL:HG11	1	0.33
(1,2534)	1:B:139:LEU:HD12	1:B:141:VAL:HG12	1	0.33
(1,2534)	1:B:139:LEU:HD12	1:B:141:VAL:HG13	1	0.33
(1,2534)	1:B:139:LEU:HD13	1:B:141:VAL:HG11	1	0.33
(1,2534)	1:B:139:LEU:HD13	1:B:141:VAL:HG12	1	0.33
(1,2534)	1:B:139:LEU:HD13	1:B:141:VAL:HG13	1	0.33
(1,2518)	1:B:152:VAL:HG21	1:B:153:GLN:HG2	18	0.33
(1,2518)	1:B:152:VAL:HG21	1:B:153:GLN:HG3	18	0.33
(1,2518)	1:B:152:VAL:HG22	1:B:153:GLN:HG2	18	0.33
(1,2518)	1:B:152:VAL:HG22	1:B:153:GLN:HG3	18	0.33
(1,2518)	1:B:152:VAL:HG23	1:B:153:GLN:HG2	18	0.33
(1,2518)	1:B:152:VAL:HG23	1:B:153:GLN:HG3	18	0.33
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD11	20	0.33
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD12	20	0.33
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD13	20	0.33
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB1	20	0.33
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB2	20	0.33
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB3	20	0.33
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB1	20	0.33
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB2	20	0.33
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB3	20	0.33
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB1	20	0.33
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB2	20	0.33
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB3	20	0.33
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG21	10	0.33
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG22	10	0.33
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG23	10	0.33
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG21	10	0.33
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG22	10	0.33
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG23	10	0.33
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG21	10	0.33
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG22	10	0.33
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG23	10	0.33
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG21	16	0.33
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG22	16	0.33
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG23	16	0.33
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG21	16	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG22	16	0.33
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG23	16	0.33
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG21	16	0.33
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG22	16	0.33
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG23	16	0.33
(1,2264)	1:B:118:GLN:HG2	1:B:152:VAL:HG11	1	0.33
(1,2264)	1:B:118:GLN:HG2	1:B:152:VAL:HG12	1	0.33
(1,2264)	1:B:118:GLN:HG2	1:B:152:VAL:HG13	1	0.33
(1,2264)	1:B:118:GLN:HG3	1:B:152:VAL:HG11	1	0.33
(1,2264)	1:B:118:GLN:HG3	1:B:152:VAL:HG12	1	0.33
(1,2264)	1:B:118:GLN:HG3	1:B:152:VAL:HG13	1	0.33
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD11	20	0.33
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD12	20	0.33
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD13	20	0.33
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG11	20	0.33
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG12	20	0.33
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG13	20	0.33
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG11	20	0.33
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG12	20	0.33
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG13	20	0.33
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG11	20	0.33
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG12	20	0.33
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG13	20	0.33
(1,2243)	1:B:122:VAL:HA	1:B:167:VAL:HG11	3	0.33
(1,2243)	1:B:122:VAL:HA	1:B:167:VAL:HG12	3	0.33
(1,2243)	1:B:122:VAL:HA	1:B:167:VAL:HG13	3	0.33
(1,2236)	1:B:128:LEU:HD11	1:B:131:LYS:HG2	2	0.33
(1,2236)	1:B:128:LEU:HD11	1:B:131:LYS:HG3	2	0.33
(1,2236)	1:B:128:LEU:HD12	1:B:131:LYS:HG2	2	0.33
(1,2236)	1:B:128:LEU:HD12	1:B:131:LYS:HG3	2	0.33
(1,2236)	1:B:128:LEU:HD13	1:B:131:LYS:HG2	2	0.33
(1,2236)	1:B:128:LEU:HD13	1:B:131:LYS:HG3	2	0.33
(1,186)	1:A:78:VAL:HG11	1:A:33:VAL:HA	12	0.33
(1,186)	1:A:78:VAL:HG12	1:A:33:VAL:HA	12	0.33
(1,186)	1:A:78:VAL:HG13	1:A:33:VAL:HA	12	0.33
(1,1752)	1:B:167:VAL:HG11	1:B:122:VAL:HA	3	0.33
(1,1752)	1:B:167:VAL:HG12	1:B:122:VAL:HA	3	0.33
(1,1752)	1:B:167:VAL:HG13	1:B:122:VAL:HA	3	0.33
(1,1671)	1:B:156:THR:HA	1:B:111:LEU:HD21	10	0.33
(1,1671)	1:B:156:THR:HA	1:B:111:LEU:HD22	10	0.33
(1,1671)	1:B:156:THR:HA	1:B:111:LEU:HD23	10	0.33
(1,1624)	1:B:111:LEU:HD21	1:B:156:THR:HA	10	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1624)	1:B:111:LEU:HD22	1:B:156:THR:HA	10	0.33
(1,1624)	1:B:111:LEU:HD23	1:B:156:THR:HA	10	0.33
(1,1426)	1:A:39:LEU:HD11	1:A:39:LEU:H	19	0.33
(1,1426)	1:A:39:LEU:HD12	1:A:39:LEU:H	19	0.33
(1,1426)	1:A:39:LEU:HD13	1:A:39:LEU:H	19	0.33
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD21	15	0.33
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD22	15	0.33
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD23	15	0.33
(1,1023)	1:A:22:LEU:HD21	1:A:70:LYS:HB2	8	0.33
(1,1023)	1:A:22:LEU:HD21	1:A:70:LYS:HB3	8	0.33
(1,1023)	1:A:22:LEU:HD22	1:A:70:LYS:HB2	8	0.33
(1,1023)	1:A:22:LEU:HD22	1:A:70:LYS:HB3	8	0.33
(1,1023)	1:A:22:LEU:HD23	1:A:70:LYS:HB2	8	0.33
(1,1023)	1:A:22:LEU:HD23	1:A:70:LYS:HB3	8	0.33
(1,893)	1:A:66:CYS:H	1:A:22:LEU:HD11	17	0.32
(1,893)	1:A:66:CYS:H	1:A:22:LEU:HD12	17	0.32
(1,893)	1:A:66:CYS:H	1:A:22:LEU:HD13	17	0.32
(1,893)	1:A:66:CYS:H	1:A:22:LEU:HD11	18	0.32
(1,893)	1:A:66:CYS:H	1:A:22:LEU:HD12	18	0.32
(1,893)	1:A:66:CYS:H	1:A:22:LEU:HD13	18	0.32
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB1	11	0.32
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB2	11	0.32
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB3	11	0.32
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB1	11	0.32
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB2	11	0.32
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB3	11	0.32
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB1	11	0.32
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB2	11	0.32
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB3	11	0.32
(1,780)	1:A:52:VAL:HG21	1:A:56:ALA:HB1	1	0.32
(1,780)	1:A:52:VAL:HG21	1:A:56:ALA:HB2	1	0.32
(1,780)	1:A:52:VAL:HG21	1:A:56:ALA:HB3	1	0.32
(1,780)	1:A:52:VAL:HG22	1:A:56:ALA:HB1	1	0.32
(1,780)	1:A:52:VAL:HG22	1:A:56:ALA:HB2	1	0.32
(1,780)	1:A:52:VAL:HG22	1:A:56:ALA:HB3	1	0.32
(1,780)	1:A:52:VAL:HG23	1:A:56:ALA:HB1	1	0.32
(1,780)	1:A:52:VAL:HG23	1:A:56:ALA:HB2	1	0.32
(1,780)	1:A:52:VAL:HG23	1:A:56:ALA:HB3	1	0.32
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG21	7	0.32
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG22	7	0.32
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG23	7	0.32
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG11	11	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG12	11	0.32
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG13	11	0.32
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG11	11	0.32
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG12	11	0.32
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG13	11	0.32
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG11	11	0.32
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG12	11	0.32
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG13	11	0.32
(1,2518)	1:B:152:VAL:HG21	1:B:153:GLN:HG2	14	0.32
(1,2518)	1:B:152:VAL:HG21	1:B:153:GLN:HG3	14	0.32
(1,2518)	1:B:152:VAL:HG22	1:B:153:GLN:HG2	14	0.32
(1,2518)	1:B:152:VAL:HG22	1:B:153:GLN:HG3	14	0.32
(1,2518)	1:B:152:VAL:HG23	1:B:153:GLN:HG2	14	0.32
(1,2518)	1:B:152:VAL:HG23	1:B:153:GLN:HG3	14	0.32
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG21	6	0.32
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG22	6	0.32
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG23	6	0.32
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG21	6	0.32
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG22	6	0.32
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG23	6	0.32
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG21	6	0.32
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG22	6	0.32
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG23	6	0.32
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG21	15	0.32
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG22	15	0.32
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG23	15	0.32
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD11	2	0.32
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD12	2	0.32
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD13	2	0.32
(1,2190)	1:B:111:LEU:HD21	1:B:159:LYS:HG2	17	0.32
(1,2190)	1:B:111:LEU:HD21	1:B:159:LYS:HG3	17	0.32
(1,2190)	1:B:111:LEU:HD22	1:B:159:LYS:HG2	17	0.32
(1,2190)	1:B:111:LEU:HD22	1:B:159:LYS:HG3	17	0.32
(1,2190)	1:B:111:LEU:HD23	1:B:159:LYS:HG2	17	0.32
(1,2190)	1:B:111:LEU:HD23	1:B:159:LYS:HG3	17	0.32
(1,1801)	1:B:113:VAL:HG21	1:B:118:GLN:HA	7	0.32
(1,1801)	1:B:113:VAL:HG22	1:B:118:GLN:HA	7	0.32
(1,1801)	1:B:113:VAL:HG23	1:B:118:GLN:HA	7	0.32
(1,1737)	1:B:122:VAL:HG21	1:B:147:VAL:HB	15	0.32
(1,1737)	1:B:122:VAL:HG22	1:B:147:VAL:HB	15	0.32
(1,1737)	1:B:122:VAL:HG23	1:B:147:VAL:HB	15	0.32
(1,1734)	1:B:144:ILE:HD11	1:B:139:LEU:HD11	15	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1734)	1:B:144:ILE:HD11	1:B:139:LEU:HD12	15	0.32
(1,1734)	1:B:144:ILE:HD11	1:B:139:LEU:HD13	15	0.32
(1,1734)	1:B:144:ILE:HD12	1:B:139:LEU:HD11	15	0.32
(1,1734)	1:B:144:ILE:HD12	1:B:139:LEU:HD12	15	0.32
(1,1734)	1:B:144:ILE:HD12	1:B:139:LEU:HD13	15	0.32
(1,1734)	1:B:144:ILE:HD13	1:B:139:LEU:HD11	15	0.32
(1,1734)	1:B:144:ILE:HD13	1:B:139:LEU:HD12	15	0.32
(1,1734)	1:B:144:ILE:HD13	1:B:139:LEU:HD13	15	0.32
(1,171)	1:A:33:VAL:HG21	1:A:58:VAL:HB	7	0.32
(1,171)	1:A:33:VAL:HG22	1:A:58:VAL:HB	7	0.32
(1,171)	1:A:33:VAL:HG23	1:A:58:VAL:HB	7	0.32
(1,1671)	1:B:156:THR:HA	1:B:111:LEU:HD21	1	0.32
(1,1671)	1:B:156:THR:HA	1:B:111:LEU:HD22	1	0.32
(1,1671)	1:B:156:THR:HA	1:B:111:LEU:HD23	1	0.32
(1,1624)	1:B:111:LEU:HD21	1:B:156:THR:HA	1	0.32
(1,1624)	1:B:111:LEU:HD22	1:B:156:THR:HA	1	0.32
(1,1624)	1:B:111:LEU:HD23	1:B:156:THR:HA	1	0.32
(1,1091)	1:A:52:VAL:HG21	1:A:55:ILE:HD11	16	0.32
(1,1091)	1:A:52:VAL:HG21	1:A:55:ILE:HD12	16	0.32
(1,1091)	1:A:52:VAL:HG21	1:A:55:ILE:HD13	16	0.32
(1,1091)	1:A:52:VAL:HG22	1:A:55:ILE:HD11	16	0.32
(1,1091)	1:A:52:VAL:HG22	1:A:55:ILE:HD12	16	0.32
(1,1091)	1:A:52:VAL:HG22	1:A:55:ILE:HD13	16	0.32
(1,1091)	1:A:52:VAL:HG23	1:A:55:ILE:HD11	16	0.32
(1,1091)	1:A:52:VAL:HG23	1:A:55:ILE:HD12	16	0.32
(1,1091)	1:A:52:VAL:HG23	1:A:55:ILE:HD13	16	0.32
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG21	7	0.31
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG22	7	0.31
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG23	7	0.31
(1,740)	1:A:36:ALA:HB1	1:A:78:VAL:HG21	14	0.31
(1,740)	1:A:36:ALA:HB1	1:A:78:VAL:HG22	14	0.31
(1,740)	1:A:36:ALA:HB1	1:A:78:VAL:HG23	14	0.31
(1,740)	1:A:36:ALA:HB2	1:A:78:VAL:HG21	14	0.31
(1,740)	1:A:36:ALA:HB2	1:A:78:VAL:HG22	14	0.31
(1,740)	1:A:36:ALA:HB2	1:A:78:VAL:HG23	14	0.31
(1,740)	1:A:36:ALA:HB3	1:A:78:VAL:HG21	14	0.31
(1,740)	1:A:36:ALA:HB3	1:A:78:VAL:HG22	14	0.31
(1,740)	1:A:36:ALA:HB3	1:A:78:VAL:HG23	14	0.31
(1,702)	1:A:62:ILE:HG12	1:A:58:VAL:HG11	7	0.31
(1,702)	1:A:62:ILE:HG12	1:A:58:VAL:HG12	7	0.31
(1,702)	1:A:62:ILE:HG12	1:A:58:VAL:HG13	7	0.31
(1,702)	1:A:62:ILE:HG13	1:A:58:VAL:HG11	7	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,702)	1:A:62:ILE:HG13	1:A:58:VAL:HG12	7	0.31
(1,702)	1:A:62:ILE:HG13	1:A:58:VAL:HG13	7	0.31
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD11	6	0.31
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD12	6	0.31
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD13	6	0.31
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD11	6	0.31
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD12	6	0.31
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD13	6	0.31
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD11	6	0.31
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD12	6	0.31
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD13	6	0.31
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD11	9	0.31
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD12	9	0.31
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD13	9	0.31
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD11	9	0.31
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD12	9	0.31
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD13	9	0.31
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD11	9	0.31
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD12	9	0.31
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD13	9	0.31
(1,630)	1:A:22:LEU:HD21	1:A:70:LYS:HG2	5	0.31
(1,630)	1:A:22:LEU:HD21	1:A:70:LYS:HG3	5	0.31
(1,630)	1:A:22:LEU:HD22	1:A:70:LYS:HG2	5	0.31
(1,630)	1:A:22:LEU:HD22	1:A:70:LYS:HG3	5	0.31
(1,630)	1:A:22:LEU:HD23	1:A:70:LYS:HG2	5	0.31
(1,630)	1:A:22:LEU:HD23	1:A:70:LYS:HG3	5	0.31
(1,624)	1:A:22:LEU:HD21	1:A:70:LYS:HG2	4	0.31
(1,624)	1:A:22:LEU:HD21	1:A:70:LYS:HG3	4	0.31
(1,624)	1:A:22:LEU:HD22	1:A:70:LYS:HG2	4	0.31
(1,624)	1:A:22:LEU:HD22	1:A:70:LYS:HG3	4	0.31
(1,624)	1:A:22:LEU:HD23	1:A:70:LYS:HG2	4	0.31
(1,624)	1:A:22:LEU:HD23	1:A:70:LYS:HG3	4	0.31
(1,2992)	1:B:128:LEU:HD11	1:B:128:LEU:H	16	0.31
(1,2992)	1:B:128:LEU:HD12	1:B:128:LEU:H	16	0.31
(1,2992)	1:B:128:LEU:HD13	1:B:128:LEU:H	16	0.31
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB1	11	0.31
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB2	11	0.31
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB3	11	0.31
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB1	11	0.31
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB2	11	0.31
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB3	11	0.31
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB1	11	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB2	11	0.31
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB3	11	0.31
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD11	15	0.31
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD12	15	0.31
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD13	15	0.31
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD11	20	0.31
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD12	20	0.31
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD13	20	0.31
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD11	16	0.31
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD12	16	0.31
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD13	16	0.31
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG11	11	0.31
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG12	11	0.31
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG13	11	0.31
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG11	11	0.31
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG12	11	0.31
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG13	11	0.31
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG11	11	0.31
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG12	11	0.31
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG13	11	0.31
(1,2245)	1:B:102:VAL:HG21	1:B:167:VAL:HG11	6	0.31
(1,2245)	1:B:102:VAL:HG21	1:B:167:VAL:HG12	6	0.31
(1,2245)	1:B:102:VAL:HG21	1:B:167:VAL:HG13	6	0.31
(1,2245)	1:B:102:VAL:HG22	1:B:167:VAL:HG11	6	0.31
(1,2245)	1:B:102:VAL:HG22	1:B:167:VAL:HG12	6	0.31
(1,2245)	1:B:102:VAL:HG22	1:B:167:VAL:HG13	6	0.31
(1,2245)	1:B:102:VAL:HG23	1:B:167:VAL:HG11	6	0.31
(1,2245)	1:B:102:VAL:HG23	1:B:167:VAL:HG12	6	0.31
(1,2245)	1:B:102:VAL:HG23	1:B:167:VAL:HG13	6	0.31
(1,2199)	1:B:111:LEU:HA	1:B:111:LEU:HD21	3	0.31
(1,2199)	1:B:111:LEU:HA	1:B:111:LEU:HD22	3	0.31
(1,2199)	1:B:111:LEU:HA	1:B:111:LEU:HD23	3	0.31
(1,1676)	1:B:149:PRO:HA	1:B:152:VAL:HG11	13	0.31
(1,1676)	1:B:149:PRO:HA	1:B:152:VAL:HG12	13	0.31
(1,1676)	1:B:149:PRO:HA	1:B:152:VAL:HG13	13	0.31
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG21	7	0.31
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG22	7	0.31
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG23	7	0.31
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG21	7	0.31
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG22	7	0.31
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG23	7	0.31
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG21	7	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG22	7	0.31
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG23	7	0.31
(1,1387)	1:A:78:VAL:HG21	1:A:37:GLU:H	7	0.31
(1,1387)	1:A:78:VAL:HG22	1:A:37:GLU:H	7	0.31
(1,1387)	1:A:78:VAL:HG23	1:A:37:GLU:H	7	0.31
(1,1376)	1:A:42:LYS:H	1:A:43:ASP:H	16	0.31
(1,1275)	1:A:43:ASP:H	1:A:42:LYS:H	16	0.31
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG21	1	0.3
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG22	1	0.3
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG23	1	0.3
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD11	2	0.3
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD12	2	0.3
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD13	2	0.3
(1,702)	1:A:62:ILE:HG12	1:A:58:VAL:HG11	4	0.3
(1,702)	1:A:62:ILE:HG12	1:A:58:VAL:HG12	4	0.3
(1,702)	1:A:62:ILE:HG12	1:A:58:VAL:HG13	4	0.3
(1,702)	1:A:62:ILE:HG13	1:A:58:VAL:HG11	4	0.3
(1,702)	1:A:62:ILE:HG13	1:A:58:VAL:HG12	4	0.3
(1,702)	1:A:62:ILE:HG13	1:A:58:VAL:HG13	4	0.3
(1,58)	1:A:22:LEU:HD21	1:A:67:THR:HA	17	0.3
(1,58)	1:A:22:LEU:HD22	1:A:67:THR:HA	17	0.3
(1,58)	1:A:22:LEU:HD23	1:A:67:THR:HA	17	0.3
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD11	16	0.3
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD12	16	0.3
(1,2423)	1:B:127:ALA:H	1:B:128:LEU:HD13	16	0.3
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB1	19	0.3
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB2	19	0.3
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB3	19	0.3
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB1	19	0.3
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB2	19	0.3
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB3	19	0.3
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB1	19	0.3
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB2	19	0.3
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB3	19	0.3
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG21	2	0.3
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG22	2	0.3
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG23	2	0.3
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG21	2	0.3
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG22	2	0.3
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG23	2	0.3
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG21	2	0.3
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG22	2	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG23	2	0.3
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG21	18	0.3
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG22	18	0.3
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG23	18	0.3
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG21	18	0.3
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG22	18	0.3
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG23	18	0.3
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG21	18	0.3
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG22	18	0.3
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG23	18	0.3
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG11	19	0.3
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG12	19	0.3
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG13	19	0.3
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG11	19	0.3
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG12	19	0.3
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG13	19	0.3
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG11	19	0.3
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG12	19	0.3
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG13	19	0.3
(1,2245)	1:B:102:VAL:HG21	1:B:167:VAL:HG11	10	0.3
(1,2245)	1:B:102:VAL:HG21	1:B:167:VAL:HG12	10	0.3
(1,2245)	1:B:102:VAL:HG21	1:B:167:VAL:HG13	10	0.3
(1,2245)	1:B:102:VAL:HG22	1:B:167:VAL:HG11	10	0.3
(1,2245)	1:B:102:VAL:HG22	1:B:167:VAL:HG12	10	0.3
(1,2245)	1:B:102:VAL:HG22	1:B:167:VAL:HG13	10	0.3
(1,2245)	1:B:102:VAL:HG23	1:B:167:VAL:HG11	10	0.3
(1,2245)	1:B:102:VAL:HG23	1:B:167:VAL:HG12	10	0.3
(1,2245)	1:B:102:VAL:HG23	1:B:167:VAL:HG13	10	0.3
(1,2236)	1:B:128:LEU:HD11	1:B:131:LYS:HG2	8	0.3
(1,2236)	1:B:128:LEU:HD11	1:B:131:LYS:HG3	8	0.3
(1,2236)	1:B:128:LEU:HD12	1:B:131:LYS:HG2	8	0.3
(1,2236)	1:B:128:LEU:HD12	1:B:131:LYS:HG3	8	0.3
(1,2236)	1:B:128:LEU:HD13	1:B:131:LYS:HG2	8	0.3
(1,2236)	1:B:128:LEU:HD13	1:B:131:LYS:HG3	8	0.3
(1,171)	1:A:33:VAL:HG21	1:A:58:VAL:HB	1	0.3
(1,171)	1:A:33:VAL:HG22	1:A:58:VAL:HB	1	0.3
(1,171)	1:A:33:VAL:HG23	1:A:58:VAL:HB	1	0.3
(1,16)	1:A:53:GLN:H	1:A:52:VAL:HG11	15	0.3
(1,16)	1:A:53:GLN:H	1:A:52:VAL:HG12	15	0.3
(1,16)	1:A:53:GLN:H	1:A:52:VAL:HG13	15	0.3
(1,1376)	1:A:42:LYS:H	1:A:43:ASP:H	4	0.3
(1,1376)	1:A:42:LYS:H	1:A:43:ASP:H	9	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1299)	1:A:52:VAL:HG11	1:A:53:GLN:H	15	0.3
(1,1299)	1:A:52:VAL:HG12	1:A:53:GLN:H	15	0.3
(1,1299)	1:A:52:VAL:HG13	1:A:53:GLN:H	15	0.3
(1,1275)	1:A:43:ASP:H	1:A:42:LYS:H	4	0.3
(1,1275)	1:A:43:ASP:H	1:A:42:LYS:H	9	0.3
(1,1091)	1:A:52:VAL:HG21	1:A:55:ILE:HD11	8	0.3
(1,1091)	1:A:52:VAL:HG21	1:A:55:ILE:HD12	8	0.3
(1,1091)	1:A:52:VAL:HG21	1:A:55:ILE:HD13	8	0.3
(1,1091)	1:A:52:VAL:HG22	1:A:55:ILE:HD11	8	0.3
(1,1091)	1:A:52:VAL:HG22	1:A:55:ILE:HD12	8	0.3
(1,1091)	1:A:52:VAL:HG22	1:A:55:ILE:HD13	8	0.3
(1,1091)	1:A:52:VAL:HG23	1:A:55:ILE:HD11	8	0.3
(1,1091)	1:A:52:VAL:HG23	1:A:55:ILE:HD12	8	0.3
(1,1091)	1:A:52:VAL:HG23	1:A:55:ILE:HD13	8	0.3
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD21	17	0.3
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD22	17	0.3
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD23	17	0.3
(1,1028)	1:A:22:LEU:HD21	1:A:70:LYS:HD2	9	0.3
(1,1028)	1:A:22:LEU:HD21	1:A:70:LYS:HD3	9	0.3
(1,1028)	1:A:22:LEU:HD22	1:A:70:LYS:HD2	9	0.3
(1,1028)	1:A:22:LEU:HD22	1:A:70:LYS:HD3	9	0.3
(1,1028)	1:A:22:LEU:HD23	1:A:70:LYS:HD2	9	0.3
(1,1028)	1:A:22:LEU:HD23	1:A:70:LYS:HD3	9	0.3
(1,993)	1:A:61:ALA:HB1	1:A:58:VAL:HG21	8	0.29
(1,993)	1:A:61:ALA:HB1	1:A:58:VAL:HG22	8	0.29
(1,993)	1:A:61:ALA:HB1	1:A:58:VAL:HG23	8	0.29
(1,993)	1:A:61:ALA:HB2	1:A:58:VAL:HG21	8	0.29
(1,993)	1:A:61:ALA:HB2	1:A:58:VAL:HG22	8	0.29
(1,993)	1:A:61:ALA:HB2	1:A:58:VAL:HG23	8	0.29
(1,993)	1:A:61:ALA:HB3	1:A:58:VAL:HG21	8	0.29
(1,993)	1:A:61:ALA:HB3	1:A:58:VAL:HG22	8	0.29
(1,993)	1:A:61:ALA:HB3	1:A:58:VAL:HG23	8	0.29
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD11	2	0.29
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD12	2	0.29
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD13	2	0.29
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD11	6	0.29
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD12	6	0.29
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD13	6	0.29
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD11	11	0.29
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD12	11	0.29
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD13	11	0.29
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB1	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB2	9	0.29
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB3	9	0.29
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB1	9	0.29
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB2	9	0.29
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB3	9	0.29
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB1	9	0.29
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB2	9	0.29
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB3	9	0.29
(1,786)	1:A:33:VAL:HG21	1:A:36:ALA:HB1	20	0.29
(1,786)	1:A:33:VAL:HG21	1:A:36:ALA:HB2	20	0.29
(1,786)	1:A:33:VAL:HG21	1:A:36:ALA:HB3	20	0.29
(1,786)	1:A:33:VAL:HG22	1:A:36:ALA:HB1	20	0.29
(1,786)	1:A:33:VAL:HG22	1:A:36:ALA:HB2	20	0.29
(1,786)	1:A:33:VAL:HG22	1:A:36:ALA:HB3	20	0.29
(1,786)	1:A:33:VAL:HG23	1:A:36:ALA:HB1	20	0.29
(1,786)	1:A:33:VAL:HG23	1:A:36:ALA:HB2	20	0.29
(1,786)	1:A:33:VAL:HG23	1:A:36:ALA:HB3	20	0.29
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD11	3	0.29
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD12	3	0.29
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD13	3	0.29
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD11	3	0.29
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD12	3	0.29
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD13	3	0.29
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD11	3	0.29
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD12	3	0.29
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD13	3	0.29
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG11	9	0.29
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG12	9	0.29
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG13	9	0.29
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG11	9	0.29
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG12	9	0.29
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG13	9	0.29
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG11	9	0.29
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG12	9	0.29
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG13	9	0.29
(1,2992)	1:B:128:LEU:HD11	1:B:128:LEU:H	12	0.29
(1,2992)	1:B:128:LEU:HD12	1:B:128:LEU:H	12	0.29
(1,2992)	1:B:128:LEU:HD13	1:B:128:LEU:H	12	0.29
(1,2518)	1:B:152:VAL:HG21	1:B:153:GLN:HG2	16	0.29
(1,2518)	1:B:152:VAL:HG21	1:B:153:GLN:HG3	16	0.29
(1,2518)	1:B:152:VAL:HG22	1:B:153:GLN:HG2	16	0.29
(1,2518)	1:B:152:VAL:HG22	1:B:153:GLN:HG3	16	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2518)	1:B:152:VAL:HG23	1:B:153:GLN:HG2	16	0.29
(1,2518)	1:B:152:VAL:HG23	1:B:153:GLN:HG3	16	0.29
(1,2297)	1:B:144:ILE:HD11	1:B:122:VAL:HG21	3	0.29
(1,2297)	1:B:144:ILE:HD11	1:B:122:VAL:HG22	3	0.29
(1,2297)	1:B:144:ILE:HD11	1:B:122:VAL:HG23	3	0.29
(1,2297)	1:B:144:ILE:HD12	1:B:122:VAL:HG21	3	0.29
(1,2297)	1:B:144:ILE:HD12	1:B:122:VAL:HG22	3	0.29
(1,2297)	1:B:144:ILE:HD12	1:B:122:VAL:HG23	3	0.29
(1,2297)	1:B:144:ILE:HD13	1:B:122:VAL:HG21	3	0.29
(1,2297)	1:B:144:ILE:HD13	1:B:122:VAL:HG22	3	0.29
(1,2297)	1:B:144:ILE:HD13	1:B:122:VAL:HG23	3	0.29
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD11	13	0.29
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD12	13	0.29
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD13	13	0.29
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD11	12	0.29
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD12	12	0.29
(1,2247)	1:B:128:LEU:H	1:B:128:LEU:HD13	12	0.29
(1,2199)	1:B:111:LEU:HA	1:B:111:LEU:HD21	18	0.29
(1,2199)	1:B:111:LEU:HA	1:B:111:LEU:HD22	18	0.29
(1,2199)	1:B:111:LEU:HA	1:B:111:LEU:HD23	18	0.29
(1,2040)	1:B:113:VAL:HG21	1:B:118:GLN:HG2	8	0.29
(1,2040)	1:B:113:VAL:HG21	1:B:118:GLN:HG3	8	0.29
(1,2040)	1:B:113:VAL:HG22	1:B:118:GLN:HG2	8	0.29
(1,2040)	1:B:113:VAL:HG22	1:B:118:GLN:HG3	8	0.29
(1,2040)	1:B:113:VAL:HG23	1:B:118:GLN:HG2	8	0.29
(1,2040)	1:B:113:VAL:HG23	1:B:118:GLN:HG3	8	0.29
(1,2033)	1:B:113:VAL:HG21	1:B:118:GLN:HG2	8	0.29
(1,2033)	1:B:113:VAL:HG21	1:B:118:GLN:HG3	8	0.29
(1,2033)	1:B:113:VAL:HG22	1:B:118:GLN:HG2	8	0.29
(1,2033)	1:B:113:VAL:HG22	1:B:118:GLN:HG3	8	0.29
(1,2033)	1:B:113:VAL:HG23	1:B:118:GLN:HG2	8	0.29
(1,2033)	1:B:113:VAL:HG23	1:B:118:GLN:HG3	8	0.29
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG21	14	0.29
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG22	14	0.29
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG23	14	0.29
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG21	14	0.29
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG22	14	0.29
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG23	14	0.29
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG21	14	0.29
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG22	14	0.29
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG23	14	0.29
(1,1376)	1:A:42:LYS:H	1:A:43:ASP:H	17	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1275)	1:A:43:ASP:H	1:A:42:LYS:H	17	0.29
(2,3)	1:A:3:ALA:H	1:B:143:GLY:HA2	3	0.28
(2,3)	1:A:3:ALA:H	1:B:143:GLY:HA3	3	0.28
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD11	14	0.28
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD12	14	0.28
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD13	14	0.28
(1,740)	1:A:36:ALA:HB1	1:A:78:VAL:HG21	16	0.28
(1,740)	1:A:36:ALA:HB1	1:A:78:VAL:HG22	16	0.28
(1,740)	1:A:36:ALA:HB1	1:A:78:VAL:HG23	16	0.28
(1,740)	1:A:36:ALA:HB2	1:A:78:VAL:HG21	16	0.28
(1,740)	1:A:36:ALA:HB2	1:A:78:VAL:HG22	16	0.28
(1,740)	1:A:36:ALA:HB2	1:A:78:VAL:HG23	16	0.28
(1,740)	1:A:36:ALA:HB3	1:A:78:VAL:HG21	16	0.28
(1,740)	1:A:36:ALA:HB3	1:A:78:VAL:HG22	16	0.28
(1,740)	1:A:36:ALA:HB3	1:A:78:VAL:HG23	16	0.28
(1,679)	1:A:13:VAL:HG21	1:A:78:VAL:HG11	3	0.28
(1,679)	1:A:13:VAL:HG21	1:A:78:VAL:HG12	3	0.28
(1,679)	1:A:13:VAL:HG21	1:A:78:VAL:HG13	3	0.28
(1,679)	1:A:13:VAL:HG22	1:A:78:VAL:HG11	3	0.28
(1,679)	1:A:13:VAL:HG22	1:A:78:VAL:HG12	3	0.28
(1,679)	1:A:13:VAL:HG22	1:A:78:VAL:HG13	3	0.28
(1,679)	1:A:13:VAL:HG23	1:A:78:VAL:HG11	3	0.28
(1,679)	1:A:13:VAL:HG23	1:A:78:VAL:HG12	3	0.28
(1,679)	1:A:13:VAL:HG23	1:A:78:VAL:HG13	3	0.28
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD21	19	0.28
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD22	19	0.28
(1,634)	1:A:19:GLU:HA	1:A:22:LEU:HD23	19	0.28
(1,633)	1:A:22:LEU:HA	1:A:22:LEU:HD21	19	0.28
(1,633)	1:A:22:LEU:HA	1:A:22:LEU:HD22	19	0.28
(1,633)	1:A:22:LEU:HA	1:A:22:LEU:HD23	19	0.28
(1,280)	1:A:22:LEU:HD21	1:A:19:GLU:HA	19	0.28
(1,280)	1:A:22:LEU:HD22	1:A:19:GLU:HA	19	0.28
(1,280)	1:A:22:LEU:HD23	1:A:19:GLU:HA	19	0.28
(1,2657)	1:B:141:VAL:HG21	1:B:144:ILE:HD11	12	0.28
(1,2657)	1:B:141:VAL:HG21	1:B:144:ILE:HD12	12	0.28
(1,2657)	1:B:141:VAL:HG21	1:B:144:ILE:HD13	12	0.28
(1,2657)	1:B:141:VAL:HG22	1:B:144:ILE:HD11	12	0.28
(1,2657)	1:B:141:VAL:HG22	1:B:144:ILE:HD12	12	0.28
(1,2657)	1:B:141:VAL:HG22	1:B:144:ILE:HD13	12	0.28
(1,2657)	1:B:141:VAL:HG23	1:B:144:ILE:HD11	12	0.28
(1,2657)	1:B:141:VAL:HG23	1:B:144:ILE:HD12	12	0.28
(1,2657)	1:B:141:VAL:HG23	1:B:144:ILE:HD13	12	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2518)	1:B:152:VAL:HG21	1:B:153:GLN:HG2	1	0.28
(1,2518)	1:B:152:VAL:HG21	1:B:153:GLN:HG3	1	0.28
(1,2518)	1:B:152:VAL:HG22	1:B:153:GLN:HG2	1	0.28
(1,2518)	1:B:152:VAL:HG22	1:B:153:GLN:HG3	1	0.28
(1,2518)	1:B:152:VAL:HG23	1:B:153:GLN:HG2	1	0.28
(1,2518)	1:B:152:VAL:HG23	1:B:153:GLN:HG3	1	0.28
(1,2518)	1:B:152:VAL:HG21	1:B:153:GLN:HG2	20	0.28
(1,2518)	1:B:152:VAL:HG21	1:B:153:GLN:HG3	20	0.28
(1,2518)	1:B:152:VAL:HG22	1:B:153:GLN:HG2	20	0.28
(1,2518)	1:B:152:VAL:HG22	1:B:153:GLN:HG3	20	0.28
(1,2518)	1:B:152:VAL:HG23	1:B:153:GLN:HG2	20	0.28
(1,2518)	1:B:152:VAL:HG23	1:B:153:GLN:HG3	20	0.28
(1,235)	1:A:24:VAL:HG21	1:A:29:GLN:HA	8	0.28
(1,235)	1:A:24:VAL:HG22	1:A:29:GLN:HA	8	0.28
(1,235)	1:A:24:VAL:HG23	1:A:29:GLN:HA	8	0.28
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG21	3	0.28
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG22	3	0.28
(1,2291)	1:B:147:VAL:HB	1:B:122:VAL:HG23	3	0.28
(1,2199)	1:B:111:LEU:HA	1:B:111:LEU:HD21	6	0.28
(1,2199)	1:B:111:LEU:HA	1:B:111:LEU:HD22	6	0.28
(1,2199)	1:B:111:LEU:HA	1:B:111:LEU:HD23	6	0.28
(1,1737)	1:B:122:VAL:HG21	1:B:147:VAL:HB	3	0.28
(1,1737)	1:B:122:VAL:HG22	1:B:147:VAL:HB	3	0.28
(1,1737)	1:B:122:VAL:HG23	1:B:147:VAL:HB	3	0.28
(1,1731)	1:B:167:VAL:HG11	1:B:151:ILE:HD11	8	0.28
(1,1731)	1:B:167:VAL:HG11	1:B:151:ILE:HD12	8	0.28
(1,1731)	1:B:167:VAL:HG11	1:B:151:ILE:HD13	8	0.28
(1,1731)	1:B:167:VAL:HG12	1:B:151:ILE:HD11	8	0.28
(1,1731)	1:B:167:VAL:HG12	1:B:151:ILE:HD12	8	0.28
(1,1731)	1:B:167:VAL:HG12	1:B:151:ILE:HD13	8	0.28
(1,1731)	1:B:167:VAL:HG13	1:B:151:ILE:HD11	8	0.28
(1,1731)	1:B:167:VAL:HG13	1:B:151:ILE:HD12	8	0.28
(1,1731)	1:B:167:VAL:HG13	1:B:151:ILE:HD13	8	0.28
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG21	2	0.28
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG22	2	0.28
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG23	2	0.28
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG21	2	0.28
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG22	2	0.28
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG23	2	0.28
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG21	2	0.28
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG22	2	0.28
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG23	2	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG21	5	0.28
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG22	5	0.28
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG23	5	0.28
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG21	20	0.28
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG22	20	0.28
(1,160)	1:A:22:LEU:HD11	1:A:67:THR:HG23	20	0.28
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG21	20	0.28
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG22	20	0.28
(1,160)	1:A:22:LEU:HD12	1:A:67:THR:HG23	20	0.28
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG21	20	0.28
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG22	20	0.28
(1,160)	1:A:22:LEU:HD13	1:A:67:THR:HG23	20	0.28
(1,110)	1:A:60:PRO:HA	1:A:63:VAL:HG11	3	0.28
(1,110)	1:A:60:PRO:HA	1:A:63:VAL:HG12	3	0.28
(1,110)	1:A:60:PRO:HA	1:A:63:VAL:HG13	3	0.28
(1,1023)	1:A:22:LEU:HD21	1:A:70:LYS:HB2	6	0.28
(1,1023)	1:A:22:LEU:HD21	1:A:70:LYS:HB3	6	0.28
(1,1023)	1:A:22:LEU:HD22	1:A:70:LYS:HB2	6	0.28
(1,1023)	1:A:22:LEU:HD22	1:A:70:LYS:HB3	6	0.28
(1,1023)	1:A:22:LEU:HD23	1:A:70:LYS:HB2	6	0.28
(1,1023)	1:A:22:LEU:HD23	1:A:70:LYS:HB3	6	0.28
(1,856)	1:A:35:PHE:HB2	1:A:39:LEU:HD11	9	0.27
(1,856)	1:A:35:PHE:HB2	1:A:39:LEU:HD12	9	0.27
(1,856)	1:A:35:PHE:HB2	1:A:39:LEU:HD13	9	0.27
(1,856)	1:A:35:PHE:HB3	1:A:39:LEU:HD11	9	0.27
(1,856)	1:A:35:PHE:HB3	1:A:39:LEU:HD12	9	0.27
(1,856)	1:A:35:PHE:HB3	1:A:39:LEU:HD13	9	0.27
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB1	4	0.27
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB2	4	0.27
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB3	4	0.27
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB1	4	0.27
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB2	4	0.27
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB3	4	0.27
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB1	4	0.27
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB2	4	0.27
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB3	4	0.27
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB1	12	0.27
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB2	12	0.27
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB3	12	0.27
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB1	12	0.27
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB2	12	0.27
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB3	12	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB1	12	0.27
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB2	12	0.27
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB3	12	0.27
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG21	10	0.27
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG22	10	0.27
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG23	10	0.27
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD11	11	0.27
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD12	11	0.27
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD13	11	0.27
(1,698)	1:A:29:GLN:HG2	1:A:63:VAL:HG11	10	0.27
(1,698)	1:A:29:GLN:HG2	1:A:63:VAL:HG12	10	0.27
(1,698)	1:A:29:GLN:HG2	1:A:63:VAL:HG13	10	0.27
(1,698)	1:A:29:GLN:HG3	1:A:63:VAL:HG11	10	0.27
(1,698)	1:A:29:GLN:HG3	1:A:63:VAL:HG12	10	0.27
(1,698)	1:A:29:GLN:HG3	1:A:63:VAL:HG13	10	0.27
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD11	11	0.27
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD12	11	0.27
(1,683)	1:A:38:ALA:HB1	1:A:39:LEU:HD13	11	0.27
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD11	11	0.27
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD12	11	0.27
(1,683)	1:A:38:ALA:HB2	1:A:39:LEU:HD13	11	0.27
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD11	11	0.27
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD12	11	0.27
(1,683)	1:A:38:ALA:HB3	1:A:39:LEU:HD13	11	0.27
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG11	4	0.27
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG12	4	0.27
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG13	4	0.27
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG11	4	0.27
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG12	4	0.27
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG13	4	0.27
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG11	4	0.27
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG12	4	0.27
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG13	4	0.27
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG11	12	0.27
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG12	12	0.27
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG13	12	0.27
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG11	12	0.27
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG12	12	0.27
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG13	12	0.27
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG11	12	0.27
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG12	12	0.27
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG13	12	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,474)	1:A:24:VAL:HG21	1:A:29:GLN:HG2	2	0.27
(1,474)	1:A:24:VAL:HG21	1:A:29:GLN:HG3	2	0.27
(1,474)	1:A:24:VAL:HG22	1:A:29:GLN:HG2	2	0.27
(1,474)	1:A:24:VAL:HG22	1:A:29:GLN:HG3	2	0.27
(1,474)	1:A:24:VAL:HG23	1:A:29:GLN:HG2	2	0.27
(1,474)	1:A:24:VAL:HG23	1:A:29:GLN:HG3	2	0.27
(1,467)	1:A:24:VAL:HG21	1:A:29:GLN:HG2	2	0.27
(1,467)	1:A:24:VAL:HG21	1:A:29:GLN:HG3	2	0.27
(1,467)	1:A:24:VAL:HG22	1:A:29:GLN:HG2	2	0.27
(1,467)	1:A:24:VAL:HG22	1:A:29:GLN:HG3	2	0.27
(1,467)	1:A:24:VAL:HG23	1:A:29:GLN:HG2	2	0.27
(1,467)	1:A:24:VAL:HG23	1:A:29:GLN:HG3	2	0.27
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG21	18	0.27
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG22	18	0.27
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG23	18	0.27
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG21	18	0.27
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG22	18	0.27
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG23	18	0.27
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG21	18	0.27
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG22	18	0.27
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG23	18	0.27
(1,2527)	1:B:140:ASP:H	1:B:139:LEU:HD11	15	0.27
(1,2527)	1:B:140:ASP:H	1:B:139:LEU:HD12	15	0.27
(1,2527)	1:B:140:ASP:H	1:B:139:LEU:HD13	15	0.27
(1,2518)	1:B:152:VAL:HG21	1:B:153:GLN:HG2	6	0.27
(1,2518)	1:B:152:VAL:HG21	1:B:153:GLN:HG3	6	0.27
(1,2518)	1:B:152:VAL:HG22	1:B:153:GLN:HG2	6	0.27
(1,2518)	1:B:152:VAL:HG22	1:B:153:GLN:HG3	6	0.27
(1,2518)	1:B:152:VAL:HG23	1:B:153:GLN:HG2	6	0.27
(1,2518)	1:B:152:VAL:HG23	1:B:153:GLN:HG3	6	0.27
(1,2215)	1:B:119:PRO:HA	1:B:122:VAL:HG11	10	0.27
(1,2215)	1:B:119:PRO:HA	1:B:122:VAL:HG12	10	0.27
(1,2215)	1:B:119:PRO:HA	1:B:122:VAL:HG13	10	0.27
(1,2199)	1:B:111:LEU:HA	1:B:111:LEU:HD21	5	0.27
(1,2199)	1:B:111:LEU:HA	1:B:111:LEU:HD22	5	0.27
(1,2199)	1:B:111:LEU:HA	1:B:111:LEU:HD23	5	0.27
(1,2196)	1:B:111:LEU:HD21	1:B:159:LYS:HG2	19	0.27
(1,2196)	1:B:111:LEU:HD21	1:B:159:LYS:HG3	19	0.27
(1,2196)	1:B:111:LEU:HD22	1:B:159:LYS:HG2	19	0.27
(1,2196)	1:B:111:LEU:HD22	1:B:159:LYS:HG3	19	0.27
(1,2196)	1:B:111:LEU:HD23	1:B:159:LYS:HG2	19	0.27
(1,2196)	1:B:111:LEU:HD23	1:B:159:LYS:HG3	19	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1734)	1:B:144:ILE:HD11	1:B:139:LEU:HD11	4	0.27
(1,1734)	1:B:144:ILE:HD11	1:B:139:LEU:HD12	4	0.27
(1,1734)	1:B:144:ILE:HD11	1:B:139:LEU:HD13	4	0.27
(1,1734)	1:B:144:ILE:HD12	1:B:139:LEU:HD11	4	0.27
(1,1734)	1:B:144:ILE:HD12	1:B:139:LEU:HD12	4	0.27
(1,1734)	1:B:144:ILE:HD12	1:B:139:LEU:HD13	4	0.27
(1,1734)	1:B:144:ILE:HD13	1:B:139:LEU:HD11	4	0.27
(1,1734)	1:B:144:ILE:HD13	1:B:139:LEU:HD12	4	0.27
(1,1734)	1:B:144:ILE:HD13	1:B:139:LEU:HD13	4	0.27
(1,171)	1:A:33:VAL:HG21	1:A:58:VAL:HB	10	0.27
(1,171)	1:A:33:VAL:HG22	1:A:58:VAL:HB	10	0.27
(1,171)	1:A:33:VAL:HG23	1:A:58:VAL:HB	10	0.27
(1,1376)	1:A:42:LYS:H	1:A:43:ASP:H	11	0.27
(1,1275)	1:A:43:ASP:H	1:A:42:LYS:H	11	0.27
(1,1040)	1:A:78:VAL:HG11	1:A:74:PHE:HA	1	0.27
(1,1040)	1:A:78:VAL:HG12	1:A:74:PHE:HA	1	0.27
(1,1040)	1:A:78:VAL:HG13	1:A:74:PHE:HA	1	0.27
(1,1040)	1:A:78:VAL:HG11	1:A:74:PHE:HA	5	0.27
(1,1040)	1:A:78:VAL:HG12	1:A:74:PHE:HA	5	0.27
(1,1040)	1:A:78:VAL:HG13	1:A:74:PHE:HA	5	0.27
(1,801)	1:A:62:ILE:HA	1:A:62:ILE:HD11	17	0.26
(1,801)	1:A:62:ILE:HA	1:A:62:ILE:HD12	17	0.26
(1,801)	1:A:62:ILE:HA	1:A:62:ILE:HD13	17	0.26
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB1	8	0.26
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB2	8	0.26
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB3	8	0.26
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB1	8	0.26
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB2	8	0.26
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB3	8	0.26
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB1	8	0.26
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB2	8	0.26
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB3	8	0.26
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG21	14	0.26
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG22	14	0.26
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG23	14	0.26
(1,740)	1:A:36:ALA:HB1	1:A:78:VAL:HG21	2	0.26
(1,740)	1:A:36:ALA:HB1	1:A:78:VAL:HG22	2	0.26
(1,740)	1:A:36:ALA:HB1	1:A:78:VAL:HG23	2	0.26
(1,740)	1:A:36:ALA:HB2	1:A:78:VAL:HG21	2	0.26
(1,740)	1:A:36:ALA:HB2	1:A:78:VAL:HG22	2	0.26
(1,740)	1:A:36:ALA:HB2	1:A:78:VAL:HG23	2	0.26
(1,740)	1:A:36:ALA:HB3	1:A:78:VAL:HG21	2	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,740)	1:A:36:ALA:HB3	1:A:78:VAL:HG22	2	0.26
(1,740)	1:A:36:ALA:HB3	1:A:78:VAL:HG23	2	0.26
(1,730)	1:A:78:VAL:HG11	1:A:33:VAL:HG21	12	0.26
(1,730)	1:A:78:VAL:HG11	1:A:33:VAL:HG22	12	0.26
(1,730)	1:A:78:VAL:HG11	1:A:33:VAL:HG23	12	0.26
(1,730)	1:A:78:VAL:HG12	1:A:33:VAL:HG21	12	0.26
(1,730)	1:A:78:VAL:HG12	1:A:33:VAL:HG22	12	0.26
(1,730)	1:A:78:VAL:HG12	1:A:33:VAL:HG23	12	0.26
(1,730)	1:A:78:VAL:HG13	1:A:33:VAL:HG21	12	0.26
(1,730)	1:A:78:VAL:HG13	1:A:33:VAL:HG22	12	0.26
(1,730)	1:A:78:VAL:HG13	1:A:33:VAL:HG23	12	0.26
(1,698)	1:A:29:GLN:HG2	1:A:63:VAL:HG11	19	0.26
(1,698)	1:A:29:GLN:HG2	1:A:63:VAL:HG12	19	0.26
(1,698)	1:A:29:GLN:HG2	1:A:63:VAL:HG13	19	0.26
(1,698)	1:A:29:GLN:HG3	1:A:63:VAL:HG11	19	0.26
(1,698)	1:A:29:GLN:HG3	1:A:63:VAL:HG12	19	0.26
(1,698)	1:A:29:GLN:HG3	1:A:63:VAL:HG13	19	0.26
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG11	8	0.26
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG12	8	0.26
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG13	8	0.26
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG11	8	0.26
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG12	8	0.26
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG13	8	0.26
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG11	8	0.26
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG12	8	0.26
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG13	8	0.26
(1,679)	1:A:13:VAL:HG21	1:A:78:VAL:HG11	12	0.26
(1,679)	1:A:13:VAL:HG21	1:A:78:VAL:HG12	12	0.26
(1,679)	1:A:13:VAL:HG21	1:A:78:VAL:HG13	12	0.26
(1,679)	1:A:13:VAL:HG22	1:A:78:VAL:HG11	12	0.26
(1,679)	1:A:13:VAL:HG22	1:A:78:VAL:HG12	12	0.26
(1,679)	1:A:13:VAL:HG22	1:A:78:VAL:HG13	12	0.26
(1,679)	1:A:13:VAL:HG23	1:A:78:VAL:HG11	12	0.26
(1,679)	1:A:13:VAL:HG23	1:A:78:VAL:HG12	12	0.26
(1,679)	1:A:13:VAL:HG23	1:A:78:VAL:HG13	12	0.26
(1,677)	1:A:33:VAL:HA	1:A:78:VAL:HG11	4	0.26
(1,677)	1:A:33:VAL:HA	1:A:78:VAL:HG12	4	0.26
(1,677)	1:A:33:VAL:HA	1:A:78:VAL:HG13	4	0.26
(1,58)	1:A:22:LEU:HD21	1:A:67:THR:HA	14	0.26
(1,58)	1:A:22:LEU:HD22	1:A:67:THR:HA	14	0.26
(1,58)	1:A:22:LEU:HD23	1:A:67:THR:HA	14	0.26
(1,2953)	1:B:167:VAL:HG21	1:B:126:GLU:H	4	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2953)	1:B:167:VAL:HG22	1:B:126:GLU:H	4	0.26
(1,2953)	1:B:167:VAL:HG23	1:B:126:GLU:H	4	0.26
(1,2953)	1:B:167:VAL:HG21	1:B:126:GLU:H	5	0.26
(1,2953)	1:B:167:VAL:HG22	1:B:126:GLU:H	5	0.26
(1,2953)	1:B:167:VAL:HG23	1:B:126:GLU:H	5	0.26
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG21	2	0.26
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG22	2	0.26
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG23	2	0.26
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG21	2	0.26
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG22	2	0.26
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG23	2	0.26
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG21	2	0.26
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG22	2	0.26
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG23	2	0.26
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG21	17	0.26
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG22	17	0.26
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG23	17	0.26
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG21	17	0.26
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG22	17	0.26
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG23	17	0.26
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG21	17	0.26
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG22	17	0.26
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG23	17	0.26
(1,2459)	1:B:155:CYS:H	1:B:111:LEU:HD11	1	0.26
(1,2459)	1:B:155:CYS:H	1:B:111:LEU:HD12	1	0.26
(1,2459)	1:B:155:CYS:H	1:B:111:LEU:HD13	1	0.26
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG21	4	0.26
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG22	4	0.26
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG23	4	0.26
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG21	5	0.26
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG22	5	0.26
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG23	5	0.26
(1,186)	1:A:78:VAL:HG11	1:A:33:VAL:HA	4	0.26
(1,186)	1:A:78:VAL:HG12	1:A:33:VAL:HA	4	0.26
(1,186)	1:A:78:VAL:HG13	1:A:33:VAL:HA	4	0.26
(1,1858)	1:B:167:VAL:HG21	1:B:126:GLU:HA	4	0.26
(1,1858)	1:B:167:VAL:HG22	1:B:126:GLU:HA	4	0.26
(1,1858)	1:B:167:VAL:HG23	1:B:126:GLU:HA	4	0.26
(1,1731)	1:B:167:VAL:HG11	1:B:151:ILE:HD11	3	0.26
(1,1731)	1:B:167:VAL:HG11	1:B:151:ILE:HD12	3	0.26
(1,1731)	1:B:167:VAL:HG11	1:B:151:ILE:HD13	3	0.26
(1,1731)	1:B:167:VAL:HG12	1:B:151:ILE:HD11	3	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1731)	1:B:167:VAL:HG12	1:B:151:ILE:HD12	3	0.26
(1,1731)	1:B:167:VAL:HG12	1:B:151:ILE:HD13	3	0.26
(1,1731)	1:B:167:VAL:HG13	1:B:151:ILE:HD11	3	0.26
(1,1731)	1:B:167:VAL:HG13	1:B:151:ILE:HD12	3	0.26
(1,1731)	1:B:167:VAL:HG13	1:B:151:ILE:HD13	3	0.26
(1,1707)	1:B:144:ILE:HG12	1:B:122:VAL:HG21	8	0.26
(1,1707)	1:B:144:ILE:HG12	1:B:122:VAL:HG22	8	0.26
(1,1707)	1:B:144:ILE:HG12	1:B:122:VAL:HG23	8	0.26
(1,1707)	1:B:144:ILE:HG13	1:B:122:VAL:HG21	8	0.26
(1,1707)	1:B:144:ILE:HG13	1:B:122:VAL:HG22	8	0.26
(1,1707)	1:B:144:ILE:HG13	1:B:122:VAL:HG23	8	0.26
(1,1387)	1:A:78:VAL:HG21	1:A:37:GLU:H	14	0.26
(1,1387)	1:A:78:VAL:HG22	1:A:37:GLU:H	14	0.26
(1,1387)	1:A:78:VAL:HG23	1:A:37:GLU:H	14	0.26
(1,1376)	1:A:42:LYS:H	1:A:43:ASP:H	1	0.26
(1,1376)	1:A:42:LYS:H	1:A:43:ASP:H	18	0.26
(1,1275)	1:A:43:ASP:H	1:A:42:LYS:H	1	0.26
(1,1275)	1:A:43:ASP:H	1:A:42:LYS:H	18	0.26
(1,110)	1:A:60:PRO:HA	1:A:63:VAL:HG11	7	0.26
(1,110)	1:A:60:PRO:HA	1:A:63:VAL:HG12	7	0.26
(1,110)	1:A:60:PRO:HA	1:A:63:VAL:HG13	7	0.26
(1,110)	1:A:60:PRO:HA	1:A:63:VAL:HG11	16	0.26
(1,110)	1:A:60:PRO:HA	1:A:63:VAL:HG12	16	0.26
(1,110)	1:A:60:PRO:HA	1:A:63:VAL:HG13	16	0.26
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD21	14	0.26
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD22	14	0.26
(1,105)	1:A:67:THR:HA	1:A:22:LEU:HD23	14	0.26
(1,1047)	1:A:81:GLU:HB2	1:A:78:VAL:HG21	6	0.26
(1,1047)	1:A:81:GLU:HB2	1:A:78:VAL:HG22	6	0.26
(1,1047)	1:A:81:GLU:HB2	1:A:78:VAL:HG23	6	0.26
(1,1047)	1:A:81:GLU:HB3	1:A:78:VAL:HG21	6	0.26
(1,1047)	1:A:81:GLU:HB3	1:A:78:VAL:HG22	6	0.26
(1,1047)	1:A:81:GLU:HB3	1:A:78:VAL:HG23	6	0.26
(2,10)	1:B:92:ALA:H	1:A:54:GLY:HA2	5	0.25
(2,10)	1:B:92:ALA:H	1:A:54:GLY:HA3	5	0.25
(2,10)	1:B:92:ALA:H	1:A:54:GLY:HA2	12	0.25
(2,10)	1:B:92:ALA:H	1:A:54:GLY:HA3	12	0.25
(1,801)	1:A:62:ILE:HA	1:A:62:ILE:HD11	8	0.25
(1,801)	1:A:62:ILE:HA	1:A:62:ILE:HD12	8	0.25
(1,801)	1:A:62:ILE:HA	1:A:62:ILE:HD13	8	0.25
(1,801)	1:A:62:ILE:HA	1:A:62:ILE:HD11	16	0.25
(1,801)	1:A:62:ILE:HA	1:A:62:ILE:HD12	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,801)	1:A:62:ILE:HA	1:A:62:ILE:HD13	16	0.25
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG21	18	0.25
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG22	18	0.25
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG23	18	0.25
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD11	9	0.25
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD12	9	0.25
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD13	9	0.25
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD11	9	0.25
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD12	9	0.25
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD13	9	0.25
(1,3288)	1:B:102:VAL:H	1:A:49:VAL:HG11	11	0.25
(1,3288)	1:B:102:VAL:H	1:A:49:VAL:HG12	11	0.25
(1,3288)	1:B:102:VAL:H	1:A:49:VAL:HG13	11	0.25
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB1	16	0.25
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB2	16	0.25
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB3	16	0.25
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB1	16	0.25
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB2	16	0.25
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB3	16	0.25
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB1	16	0.25
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB2	16	0.25
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB3	16	0.25
(1,2318)	1:B:125:ALA:HA	1:B:102:VAL:HG21	2	0.25
(1,2318)	1:B:125:ALA:HA	1:B:102:VAL:HG22	2	0.25
(1,2318)	1:B:125:ALA:HA	1:B:102:VAL:HG23	2	0.25
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG21	13	0.25
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG22	13	0.25
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG23	13	0.25
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG21	13	0.25
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG22	13	0.25
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG23	13	0.25
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG21	13	0.25
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG22	13	0.25
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG23	13	0.25
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD11	12	0.25
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD12	12	0.25
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD13	12	0.25
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG11	16	0.25
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG12	16	0.25
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG13	16	0.25
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG11	16	0.25
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG12	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG13	16	0.25
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG11	16	0.25
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG12	16	0.25
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG13	16	0.25
(1,2215)	1:B:119:PRO:HA	1:B:122:VAL:HG11	11	0.25
(1,2215)	1:B:119:PRO:HA	1:B:122:VAL:HG12	11	0.25
(1,2215)	1:B:119:PRO:HA	1:B:122:VAL:HG13	11	0.25
(1,2199)	1:B:111:LEU:HA	1:B:111:LEU:HD21	16	0.25
(1,2199)	1:B:111:LEU:HA	1:B:111:LEU:HD22	16	0.25
(1,2199)	1:B:111:LEU:HA	1:B:111:LEU:HD23	16	0.25
(1,1858)	1:B:167:VAL:HG21	1:B:126:GLU:HA	15	0.25
(1,1858)	1:B:167:VAL:HG22	1:B:126:GLU:HA	15	0.25
(1,1858)	1:B:167:VAL:HG23	1:B:126:GLU:HA	15	0.25
(1,171)	1:A:33:VAL:HG21	1:A:58:VAL:HB	18	0.25
(1,171)	1:A:33:VAL:HG22	1:A:58:VAL:HB	18	0.25
(1,171)	1:A:33:VAL:HG23	1:A:58:VAL:HB	18	0.25
(1,1499)	1:A:22:LEU:HD11	1:A:23:ALA:H	9	0.25
(1,1499)	1:A:22:LEU:HD12	1:A:23:ALA:H	9	0.25
(1,1499)	1:A:22:LEU:HD13	1:A:23:ALA:H	9	0.25
(1,1426)	1:A:39:LEU:HD11	1:A:39:LEU:H	9	0.25
(1,1426)	1:A:39:LEU:HD12	1:A:39:LEU:H	9	0.25
(1,1426)	1:A:39:LEU:HD13	1:A:39:LEU:H	9	0.25
(2,13)	1:B:128:LEU:HG	1:A:39:LEU:HB2	7	0.24
(2,13)	1:B:128:LEU:HG	1:A:39:LEU:HB3	7	0.24
(2,13)	1:B:128:LEU:HG	1:A:39:LEU:HB2	16	0.24
(2,13)	1:B:128:LEU:HG	1:A:39:LEU:HB3	16	0.24
(1,679)	1:A:13:VAL:HG21	1:A:78:VAL:HG11	14	0.24
(1,679)	1:A:13:VAL:HG21	1:A:78:VAL:HG12	14	0.24
(1,679)	1:A:13:VAL:HG21	1:A:78:VAL:HG13	14	0.24
(1,679)	1:A:13:VAL:HG22	1:A:78:VAL:HG11	14	0.24
(1,679)	1:A:13:VAL:HG22	1:A:78:VAL:HG12	14	0.24
(1,679)	1:A:13:VAL:HG22	1:A:78:VAL:HG13	14	0.24
(1,679)	1:A:13:VAL:HG23	1:A:78:VAL:HG11	14	0.24
(1,679)	1:A:13:VAL:HG23	1:A:78:VAL:HG12	14	0.24
(1,679)	1:A:13:VAL:HG23	1:A:78:VAL:HG13	14	0.24
(1,679)	1:A:13:VAL:HG21	1:A:78:VAL:HG11	17	0.24
(1,679)	1:A:13:VAL:HG21	1:A:78:VAL:HG12	17	0.24
(1,679)	1:A:13:VAL:HG21	1:A:78:VAL:HG13	17	0.24
(1,679)	1:A:13:VAL:HG22	1:A:78:VAL:HG11	17	0.24
(1,679)	1:A:13:VAL:HG22	1:A:78:VAL:HG12	17	0.24
(1,679)	1:A:13:VAL:HG22	1:A:78:VAL:HG13	17	0.24
(1,679)	1:A:13:VAL:HG23	1:A:78:VAL:HG11	17	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,679)	1:A:13:VAL:HG23	1:A:78:VAL:HG12	17	0.24
(1,679)	1:A:13:VAL:HG23	1:A:78:VAL:HG13	17	0.24
(1,649)	1:A:30:PRO:HA	1:A:33:VAL:HG11	3	0.24
(1,649)	1:A:30:PRO:HA	1:A:33:VAL:HG12	3	0.24
(1,649)	1:A:30:PRO:HA	1:A:33:VAL:HG13	3	0.24
(1,649)	1:A:30:PRO:HA	1:A:33:VAL:HG11	11	0.24
(1,649)	1:A:30:PRO:HA	1:A:33:VAL:HG12	11	0.24
(1,649)	1:A:30:PRO:HA	1:A:33:VAL:HG13	11	0.24
(1,410)	1:A:77:LYS:HA	1:A:77:LYS:HE2	18	0.24
(1,410)	1:A:77:LYS:HA	1:A:77:LYS:HE3	18	0.24
(1,3176)	1:A:13:VAL:H	1:B:138:VAL:HG11	1	0.24
(1,3176)	1:A:13:VAL:H	1:B:138:VAL:HG12	1	0.24
(1,3176)	1:A:13:VAL:H	1:B:138:VAL:HG13	1	0.24
(1,292)	1:A:78:VAL:HG21	1:A:37:GLU:HA	1	0.24
(1,292)	1:A:78:VAL:HG22	1:A:37:GLU:HA	1	0.24
(1,292)	1:A:78:VAL:HG23	1:A:37:GLU:HA	1	0.24
(1,2646)	1:B:110:PHE:H	1:B:159:LYS:HA	14	0.24
(1,2589)	1:B:111:LEU:HD21	1:B:159:LYS:HB2	8	0.24
(1,2589)	1:B:111:LEU:HD21	1:B:159:LYS:HB3	8	0.24
(1,2589)	1:B:111:LEU:HD22	1:B:159:LYS:HB2	8	0.24
(1,2589)	1:B:111:LEU:HD22	1:B:159:LYS:HB3	8	0.24
(1,2589)	1:B:111:LEU:HD23	1:B:159:LYS:HB2	8	0.24
(1,2589)	1:B:111:LEU:HD23	1:B:159:LYS:HB3	8	0.24
(1,2518)	1:B:152:VAL:HG21	1:B:153:GLN:HG2	19	0.24
(1,2518)	1:B:152:VAL:HG21	1:B:153:GLN:HG3	19	0.24
(1,2518)	1:B:152:VAL:HG22	1:B:153:GLN:HG2	19	0.24
(1,2518)	1:B:152:VAL:HG22	1:B:153:GLN:HG3	19	0.24
(1,2518)	1:B:152:VAL:HG23	1:B:153:GLN:HG2	19	0.24
(1,2518)	1:B:152:VAL:HG23	1:B:153:GLN:HG3	19	0.24
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG21	11	0.24
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG22	11	0.24
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG23	11	0.24
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG21	11	0.24
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG22	11	0.24
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG23	11	0.24
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG21	11	0.24
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG22	11	0.24
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG23	11	0.24
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD11	11	0.24
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD12	11	0.24
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD13	11	0.24
(1,2266)	1:B:171:TRP:H	1:B:147:VAL:HG11	6	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2266)	1:B:171:TRP:H	1:B:147:VAL:HG12	6	0.24
(1,2266)	1:B:171:TRP:H	1:B:147:VAL:HG13	6	0.24
(1,2236)	1:B:128:LEU:HD11	1:B:131:LYS:HG2	14	0.24
(1,2236)	1:B:128:LEU:HD11	1:B:131:LYS:HG3	14	0.24
(1,2236)	1:B:128:LEU:HD12	1:B:131:LYS:HG2	14	0.24
(1,2236)	1:B:128:LEU:HD12	1:B:131:LYS:HG3	14	0.24
(1,2236)	1:B:128:LEU:HD13	1:B:131:LYS:HG2	14	0.24
(1,2236)	1:B:128:LEU:HD13	1:B:131:LYS:HG3	14	0.24
(1,168)	1:A:55:ILE:HD11	1:A:50:LEU:HD11	18	0.24
(1,168)	1:A:55:ILE:HD11	1:A:50:LEU:HD12	18	0.24
(1,168)	1:A:55:ILE:HD11	1:A:50:LEU:HD13	18	0.24
(1,168)	1:A:55:ILE:HD12	1:A:50:LEU:HD11	18	0.24
(1,168)	1:A:55:ILE:HD12	1:A:50:LEU:HD12	18	0.24
(1,168)	1:A:55:ILE:HD12	1:A:50:LEU:HD13	18	0.24
(1,168)	1:A:55:ILE:HD13	1:A:50:LEU:HD11	18	0.24
(1,168)	1:A:55:ILE:HD13	1:A:50:LEU:HD12	18	0.24
(1,168)	1:A:55:ILE:HD13	1:A:50:LEU:HD13	18	0.24
(1,167)	1:A:33:VAL:HG21	1:A:78:VAL:HG11	20	0.24
(1,167)	1:A:33:VAL:HG21	1:A:78:VAL:HG12	20	0.24
(1,167)	1:A:33:VAL:HG21	1:A:78:VAL:HG13	20	0.24
(1,167)	1:A:33:VAL:HG22	1:A:78:VAL:HG11	20	0.24
(1,167)	1:A:33:VAL:HG22	1:A:78:VAL:HG12	20	0.24
(1,167)	1:A:33:VAL:HG22	1:A:78:VAL:HG13	20	0.24
(1,167)	1:A:33:VAL:HG23	1:A:78:VAL:HG11	20	0.24
(1,167)	1:A:33:VAL:HG23	1:A:78:VAL:HG12	20	0.24
(1,167)	1:A:33:VAL:HG23	1:A:78:VAL:HG13	20	0.24
(1,1376)	1:A:42:LYS:H	1:A:43:ASP:H	7	0.24
(1,1275)	1:A:43:ASP:H	1:A:42:LYS:H	7	0.24
(1,1023)	1:A:22:LEU:HD21	1:A:70:LYS:HB2	9	0.24
(1,1023)	1:A:22:LEU:HD21	1:A:70:LYS:HB3	9	0.24
(1,1023)	1:A:22:LEU:HD22	1:A:70:LYS:HB2	9	0.24
(1,1023)	1:A:22:LEU:HD22	1:A:70:LYS:HB3	9	0.24
(1,1023)	1:A:22:LEU:HD23	1:A:70:LYS:HB2	9	0.24
(1,1023)	1:A:22:LEU:HD23	1:A:70:LYS:HB3	9	0.24
(2,6)	1:A:39:LEU:HG	1:B:128:LEU:HB2	6	0.23
(2,6)	1:A:39:LEU:HG	1:B:128:LEU:HB3	6	0.23
(2,6)	1:A:39:LEU:HG	1:B:128:LEU:HB2	9	0.23
(2,6)	1:A:39:LEU:HG	1:B:128:LEU:HB3	9	0.23
(2,3)	1:A:3:ALA:H	1:B:143:GLY:HA2	17	0.23
(2,3)	1:A:3:ALA:H	1:B:143:GLY:HA3	17	0.23
(2,11)	1:B:93:GLN:HE21	1:A:51:ASP:HB2	6	0.23
(2,11)	1:B:93:GLN:HE21	1:A:51:ASP:HB3	6	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,11)	1:B:93:GLN:HE22	1:A:51:ASP:HB2	6	0.23
(2,11)	1:B:93:GLN:HE22	1:A:51:ASP:HB3	6	0.23
(1,856)	1:A:35:PHE:HB2	1:A:39:LEU:HD11	13	0.23
(1,856)	1:A:35:PHE:HB2	1:A:39:LEU:HD12	13	0.23
(1,856)	1:A:35:PHE:HB2	1:A:39:LEU:HD13	13	0.23
(1,856)	1:A:35:PHE:HB3	1:A:39:LEU:HD11	13	0.23
(1,856)	1:A:35:PHE:HB3	1:A:39:LEU:HD12	13	0.23
(1,856)	1:A:35:PHE:HB3	1:A:39:LEU:HD13	13	0.23
(1,801)	1:A:62:ILE:HA	1:A:62:ILE:HD11	13	0.23
(1,801)	1:A:62:ILE:HA	1:A:62:ILE:HD12	13	0.23
(1,801)	1:A:62:ILE:HA	1:A:62:ILE:HD13	13	0.23
(1,698)	1:A:29:GLN:HG2	1:A:63:VAL:HG11	4	0.23
(1,698)	1:A:29:GLN:HG2	1:A:63:VAL:HG12	4	0.23
(1,698)	1:A:29:GLN:HG2	1:A:63:VAL:HG13	4	0.23
(1,698)	1:A:29:GLN:HG3	1:A:63:VAL:HG11	4	0.23
(1,698)	1:A:29:GLN:HG3	1:A:63:VAL:HG12	4	0.23
(1,698)	1:A:29:GLN:HG3	1:A:63:VAL:HG13	4	0.23
(1,2953)	1:B:167:VAL:HG21	1:B:126:GLU:H	15	0.23
(1,2953)	1:B:167:VAL:HG22	1:B:126:GLU:H	15	0.23
(1,2953)	1:B:167:VAL:HG23	1:B:126:GLU:H	15	0.23
(1,2518)	1:B:152:VAL:HG21	1:B:153:GLN:HG2	11	0.23
(1,2518)	1:B:152:VAL:HG21	1:B:153:GLN:HG3	11	0.23
(1,2518)	1:B:152:VAL:HG22	1:B:153:GLN:HG2	11	0.23
(1,2518)	1:B:152:VAL:HG22	1:B:153:GLN:HG3	11	0.23
(1,2518)	1:B:152:VAL:HG23	1:B:153:GLN:HG2	11	0.23
(1,2518)	1:B:152:VAL:HG23	1:B:153:GLN:HG3	11	0.23
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG21	15	0.23
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG22	15	0.23
(1,2311)	1:B:126:GLU:H	1:B:167:VAL:HG23	15	0.23
(1,2296)	1:B:167:VAL:HG11	1:B:122:VAL:HG21	10	0.23
(1,2296)	1:B:167:VAL:HG11	1:B:122:VAL:HG22	10	0.23
(1,2296)	1:B:167:VAL:HG11	1:B:122:VAL:HG23	10	0.23
(1,2296)	1:B:167:VAL:HG12	1:B:122:VAL:HG21	10	0.23
(1,2296)	1:B:167:VAL:HG12	1:B:122:VAL:HG22	10	0.23
(1,2296)	1:B:167:VAL:HG12	1:B:122:VAL:HG23	10	0.23
(1,2296)	1:B:167:VAL:HG13	1:B:122:VAL:HG21	10	0.23
(1,2296)	1:B:167:VAL:HG13	1:B:122:VAL:HG22	10	0.23
(1,2296)	1:B:167:VAL:HG13	1:B:122:VAL:HG23	10	0.23
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD11	8	0.23
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD12	8	0.23
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD13	8	0.23
(1,2243)	1:B:122:VAL:HA	1:B:167:VAL:HG11	14	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2243)	1:B:122:VAL:HA	1:B:167:VAL:HG12	14	0.23
(1,2243)	1:B:122:VAL:HA	1:B:167:VAL:HG13	14	0.23
(1,1752)	1:B:167:VAL:HG11	1:B:122:VAL:HA	14	0.23
(1,1752)	1:B:167:VAL:HG12	1:B:122:VAL:HA	14	0.23
(1,1752)	1:B:167:VAL:HG13	1:B:122:VAL:HA	14	0.23
(1,168)	1:A:55:ILE:HD11	1:A:50:LEU:HD11	14	0.23
(1,168)	1:A:55:ILE:HD11	1:A:50:LEU:HD12	14	0.23
(1,168)	1:A:55:ILE:HD11	1:A:50:LEU:HD13	14	0.23
(1,168)	1:A:55:ILE:HD12	1:A:50:LEU:HD11	14	0.23
(1,168)	1:A:55:ILE:HD12	1:A:50:LEU:HD12	14	0.23
(1,168)	1:A:55:ILE:HD12	1:A:50:LEU:HD13	14	0.23
(1,168)	1:A:55:ILE:HD13	1:A:50:LEU:HD11	14	0.23
(1,168)	1:A:55:ILE:HD13	1:A:50:LEU:HD12	14	0.23
(1,168)	1:A:55:ILE:HD13	1:A:50:LEU:HD13	14	0.23
(1,110)	1:A:60:PRO:HA	1:A:63:VAL:HG11	4	0.23
(1,110)	1:A:60:PRO:HA	1:A:63:VAL:HG12	4	0.23
(1,110)	1:A:60:PRO:HA	1:A:63:VAL:HG13	4	0.23
(2,5)	1:A:1:ALA:HB1	1:B:144:ILE:HD11	20	0.22
(2,5)	1:A:1:ALA:HB1	1:B:144:ILE:HD12	20	0.22
(2,5)	1:A:1:ALA:HB1	1:B:144:ILE:HD13	20	0.22
(2,5)	1:A:1:ALA:HB2	1:B:144:ILE:HD11	20	0.22
(2,5)	1:A:1:ALA:HB2	1:B:144:ILE:HD12	20	0.22
(2,5)	1:A:1:ALA:HB2	1:B:144:ILE:HD13	20	0.22
(2,5)	1:A:1:ALA:HB3	1:B:144:ILE:HD11	20	0.22
(2,5)	1:A:1:ALA:HB3	1:B:144:ILE:HD12	20	0.22
(2,5)	1:A:1:ALA:HB3	1:B:144:ILE:HD13	20	0.22
(2,13)	1:B:128:LEU:HG	1:A:39:LEU:HB2	20	0.22
(2,13)	1:B:128:LEU:HG	1:A:39:LEU:HB3	20	0.22
(2,10)	1:B:92:ALA:H	1:A:54:GLY:HA2	3	0.22
(2,10)	1:B:92:ALA:H	1:A:54:GLY:HA3	3	0.22
(1,952)	1:A:63:VAL:HG21	1:A:64:GLN:HG2	20	0.22
(1,952)	1:A:63:VAL:HG21	1:A:64:GLN:HG3	20	0.22
(1,952)	1:A:63:VAL:HG22	1:A:64:GLN:HG2	20	0.22
(1,952)	1:A:63:VAL:HG22	1:A:64:GLN:HG3	20	0.22
(1,952)	1:A:63:VAL:HG23	1:A:64:GLN:HG2	20	0.22
(1,952)	1:A:63:VAL:HG23	1:A:64:GLN:HG3	20	0.22
(1,893)	1:A:66:CYS:H	1:A:22:LEU:HD11	12	0.22
(1,893)	1:A:66:CYS:H	1:A:22:LEU:HD12	12	0.22
(1,893)	1:A:66:CYS:H	1:A:22:LEU:HD13	12	0.22
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD11	3	0.22
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD12	3	0.22
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD13	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD11	9	0.22
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD12	9	0.22
(1,857)	1:A:38:ALA:H	1:A:39:LEU:HD13	9	0.22
(1,856)	1:A:35:PHE:HB2	1:A:39:LEU:HD11	14	0.22
(1,856)	1:A:35:PHE:HB2	1:A:39:LEU:HD12	14	0.22
(1,856)	1:A:35:PHE:HB2	1:A:39:LEU:HD13	14	0.22
(1,856)	1:A:35:PHE:HB3	1:A:39:LEU:HD11	14	0.22
(1,856)	1:A:35:PHE:HB3	1:A:39:LEU:HD12	14	0.22
(1,856)	1:A:35:PHE:HB3	1:A:39:LEU:HD13	14	0.22
(1,801)	1:A:62:ILE:HA	1:A:62:ILE:HD11	4	0.22
(1,801)	1:A:62:ILE:HA	1:A:62:ILE:HD12	4	0.22
(1,801)	1:A:62:ILE:HA	1:A:62:ILE:HD13	4	0.22
(1,801)	1:A:62:ILE:HA	1:A:62:ILE:HD11	7	0.22
(1,801)	1:A:62:ILE:HA	1:A:62:ILE:HD12	7	0.22
(1,801)	1:A:62:ILE:HA	1:A:62:ILE:HD13	7	0.22
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB1	10	0.22
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB2	10	0.22
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB3	10	0.22
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB1	10	0.22
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB2	10	0.22
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB3	10	0.22
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB1	10	0.22
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB2	10	0.22
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB3	10	0.22
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB1	19	0.22
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB2	19	0.22
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB3	19	0.22
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB1	19	0.22
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB2	19	0.22
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB3	19	0.22
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB1	19	0.22
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB2	19	0.22
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB3	19	0.22
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG21	5	0.22
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG22	5	0.22
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG23	5	0.22
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD11	6	0.22
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD12	6	0.22
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD13	6	0.22
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG11	10	0.22
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG12	10	0.22
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG13	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG11	10	0.22
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG12	10	0.22
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG13	10	0.22
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG11	10	0.22
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG12	10	0.22
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG13	10	0.22
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG11	19	0.22
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG12	19	0.22
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG13	19	0.22
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG11	19	0.22
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG12	19	0.22
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG13	19	0.22
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG11	19	0.22
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG12	19	0.22
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG13	19	0.22
(1,410)	1:A:77:LYS:HA	1:A:77:LYS:HE2	10	0.22
(1,410)	1:A:77:LYS:HA	1:A:77:LYS:HE3	10	0.22
(1,2942)	1:B:131:LYS:H	1:B:132:ASP:H	5	0.22
(1,2942)	1:B:131:LYS:H	1:B:132:ASP:H	11	0.22
(1,292)	1:A:78:VAL:HG21	1:A:37:GLU:HA	19	0.22
(1,292)	1:A:78:VAL:HG22	1:A:37:GLU:HA	19	0.22
(1,292)	1:A:78:VAL:HG23	1:A:37:GLU:HA	19	0.22
(1,2841)	1:B:132:ASP:H	1:B:131:LYS:H	5	0.22
(1,2841)	1:B:132:ASP:H	1:B:131:LYS:H	11	0.22
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG21	3	0.22
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG22	3	0.22
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG23	3	0.22
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG21	3	0.22
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG22	3	0.22
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG23	3	0.22
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG21	3	0.22
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG22	3	0.22
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG23	3	0.22
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG21	10	0.22
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG22	10	0.22
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG23	10	0.22
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG21	10	0.22
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG22	10	0.22
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG23	10	0.22
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG21	10	0.22
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG22	10	0.22
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG23	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2518)	1:B:152:VAL:HG21	1:B:153:GLN:HG2	3	0.22
(1,2518)	1:B:152:VAL:HG21	1:B:153:GLN:HG3	3	0.22
(1,2518)	1:B:152:VAL:HG22	1:B:153:GLN:HG2	3	0.22
(1,2518)	1:B:152:VAL:HG22	1:B:153:GLN:HG3	3	0.22
(1,2518)	1:B:152:VAL:HG23	1:B:153:GLN:HG2	3	0.22
(1,2518)	1:B:152:VAL:HG23	1:B:153:GLN:HG3	3	0.22
(1,2352)	1:B:122:VAL:HG21	1:B:125:ALA:HB1	5	0.22
(1,2352)	1:B:122:VAL:HG21	1:B:125:ALA:HB2	5	0.22
(1,2352)	1:B:122:VAL:HG21	1:B:125:ALA:HB3	5	0.22
(1,2352)	1:B:122:VAL:HG22	1:B:125:ALA:HB1	5	0.22
(1,2352)	1:B:122:VAL:HG22	1:B:125:ALA:HB2	5	0.22
(1,2352)	1:B:122:VAL:HG22	1:B:125:ALA:HB3	5	0.22
(1,2352)	1:B:122:VAL:HG23	1:B:125:ALA:HB1	5	0.22
(1,2352)	1:B:122:VAL:HG23	1:B:125:ALA:HB2	5	0.22
(1,2352)	1:B:122:VAL:HG23	1:B:125:ALA:HB3	5	0.22
(1,2309)	1:B:168:LYS:H	1:B:167:VAL:HG21	2	0.22
(1,2309)	1:B:168:LYS:H	1:B:167:VAL:HG22	2	0.22
(1,2309)	1:B:168:LYS:H	1:B:167:VAL:HG23	2	0.22
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG21	9	0.22
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG22	9	0.22
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG23	9	0.22
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG21	9	0.22
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG22	9	0.22
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG23	9	0.22
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG21	9	0.22
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG22	9	0.22
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG23	9	0.22
(1,2297)	1:B:144:ILE:HD11	1:B:122:VAL:HG21	17	0.22
(1,2297)	1:B:144:ILE:HD11	1:B:122:VAL:HG22	17	0.22
(1,2297)	1:B:144:ILE:HD11	1:B:122:VAL:HG23	17	0.22
(1,2297)	1:B:144:ILE:HD12	1:B:122:VAL:HG21	17	0.22
(1,2297)	1:B:144:ILE:HD12	1:B:122:VAL:HG22	17	0.22
(1,2297)	1:B:144:ILE:HD12	1:B:122:VAL:HG23	17	0.22
(1,2297)	1:B:144:ILE:HD13	1:B:122:VAL:HG21	17	0.22
(1,2297)	1:B:144:ILE:HD13	1:B:122:VAL:HG22	17	0.22
(1,2297)	1:B:144:ILE:HD13	1:B:122:VAL:HG23	17	0.22
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD11	9	0.22
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD12	9	0.22
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD13	9	0.22
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD11	19	0.22
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD12	19	0.22
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD13	19	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG11	12	0.22
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG12	12	0.22
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG13	12	0.22
(1,1858)	1:B:167:VAL:HG21	1:B:126:GLU:HA	13	0.22
(1,1858)	1:B:167:VAL:HG22	1:B:126:GLU:HA	13	0.22
(1,1858)	1:B:167:VAL:HG23	1:B:126:GLU:HA	13	0.22
(1,1858)	1:B:167:VAL:HG21	1:B:126:GLU:HA	17	0.22
(1,1858)	1:B:167:VAL:HG22	1:B:126:GLU:HA	17	0.22
(1,1858)	1:B:167:VAL:HG23	1:B:126:GLU:HA	17	0.22
(1,1734)	1:B:144:ILE:HD11	1:B:139:LEU:HD11	7	0.22
(1,1734)	1:B:144:ILE:HD11	1:B:139:LEU:HD12	7	0.22
(1,1734)	1:B:144:ILE:HD11	1:B:139:LEU:HD13	7	0.22
(1,1734)	1:B:144:ILE:HD12	1:B:139:LEU:HD11	7	0.22
(1,1734)	1:B:144:ILE:HD12	1:B:139:LEU:HD12	7	0.22
(1,1734)	1:B:144:ILE:HD12	1:B:139:LEU:HD13	7	0.22
(1,1734)	1:B:144:ILE:HD13	1:B:139:LEU:HD11	7	0.22
(1,1734)	1:B:144:ILE:HD13	1:B:139:LEU:HD12	7	0.22
(1,1734)	1:B:144:ILE:HD13	1:B:139:LEU:HD13	7	0.22
(1,171)	1:A:33:VAL:HG21	1:A:58:VAL:HB	5	0.22
(1,171)	1:A:33:VAL:HG22	1:A:58:VAL:HB	5	0.22
(1,171)	1:A:33:VAL:HG23	1:A:58:VAL:HB	5	0.22
(1,168)	1:A:55:ILE:HD11	1:A:50:LEU:HD11	17	0.22
(1,168)	1:A:55:ILE:HD11	1:A:50:LEU:HD12	17	0.22
(1,168)	1:A:55:ILE:HD11	1:A:50:LEU:HD13	17	0.22
(1,168)	1:A:55:ILE:HD12	1:A:50:LEU:HD11	17	0.22
(1,168)	1:A:55:ILE:HD12	1:A:50:LEU:HD12	17	0.22
(1,168)	1:A:55:ILE:HD12	1:A:50:LEU:HD13	17	0.22
(1,168)	1:A:55:ILE:HD13	1:A:50:LEU:HD11	17	0.22
(1,168)	1:A:55:ILE:HD13	1:A:50:LEU:HD12	17	0.22
(1,168)	1:A:55:ILE:HD13	1:A:50:LEU:HD13	17	0.22
(1,1676)	1:B:149:PRO:HA	1:B:152:VAL:HG11	4	0.22
(1,1676)	1:B:149:PRO:HA	1:B:152:VAL:HG12	4	0.22
(1,1676)	1:B:149:PRO:HA	1:B:152:VAL:HG13	4	0.22
(1,1671)	1:B:156:THR:HA	1:B:111:LEU:HD21	17	0.22
(1,1671)	1:B:156:THR:HA	1:B:111:LEU:HD22	17	0.22
(1,1671)	1:B:156:THR:HA	1:B:111:LEU:HD23	17	0.22
(1,167)	1:A:33:VAL:HG21	1:A:78:VAL:HG11	3	0.22
(1,167)	1:A:33:VAL:HG21	1:A:78:VAL:HG12	3	0.22
(1,167)	1:A:33:VAL:HG21	1:A:78:VAL:HG13	3	0.22
(1,167)	1:A:33:VAL:HG22	1:A:78:VAL:HG11	3	0.22
(1,167)	1:A:33:VAL:HG22	1:A:78:VAL:HG12	3	0.22
(1,167)	1:A:33:VAL:HG22	1:A:78:VAL:HG13	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,167)	1:A:33:VAL:HG23	1:A:78:VAL:HG11	3	0.22
(1,167)	1:A:33:VAL:HG23	1:A:78:VAL:HG12	3	0.22
(1,167)	1:A:33:VAL:HG23	1:A:78:VAL:HG13	3	0.22
(1,1624)	1:B:111:LEU:HD21	1:B:156:THR:HA	17	0.22
(1,1624)	1:B:111:LEU:HD22	1:B:156:THR:HA	17	0.22
(1,1624)	1:B:111:LEU:HD23	1:B:156:THR:HA	17	0.22
(1,1426)	1:A:39:LEU:HD11	1:A:39:LEU:H	6	0.22
(1,1426)	1:A:39:LEU:HD12	1:A:39:LEU:H	6	0.22
(1,1426)	1:A:39:LEU:HD13	1:A:39:LEU:H	6	0.22
(1,110)	1:A:60:PRO:HA	1:A:63:VAL:HG11	13	0.22
(1,110)	1:A:60:PRO:HA	1:A:63:VAL:HG12	13	0.22
(1,110)	1:A:60:PRO:HA	1:A:63:VAL:HG13	13	0.22
(1,1039)	1:A:77:LYS:HB2	1:A:74:PHE:HA	5	0.22
(1,1039)	1:A:77:LYS:HB3	1:A:74:PHE:HA	5	0.22
(2,6)	1:A:39:LEU:HG	1:B:128:LEU:HB2	14	0.21
(2,6)	1:A:39:LEU:HG	1:B:128:LEU:HB3	14	0.21
(2,6)	1:A:39:LEU:HG	1:B:128:LEU:HB2	19	0.21
(2,6)	1:A:39:LEU:HG	1:B:128:LEU:HB3	19	0.21
(2,13)	1:B:128:LEU:HG	1:A:39:LEU:HB2	1	0.21
(2,13)	1:B:128:LEU:HG	1:A:39:LEU:HB3	1	0.21
(2,13)	1:B:128:LEU:HG	1:A:39:LEU:HB2	10	0.21
(2,13)	1:B:128:LEU:HG	1:A:39:LEU:HB3	10	0.21
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG21	6	0.21
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG22	6	0.21
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG23	6	0.21
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG21	13	0.21
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG22	13	0.21
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG23	13	0.21
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD11	3	0.21
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD12	3	0.21
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD13	3	0.21
(1,704)	1:A:62:ILE:HG21	1:A:58:VAL:HG11	17	0.21
(1,704)	1:A:62:ILE:HG21	1:A:58:VAL:HG12	17	0.21
(1,704)	1:A:62:ILE:HG21	1:A:58:VAL:HG13	17	0.21
(1,704)	1:A:62:ILE:HG22	1:A:58:VAL:HG11	17	0.21
(1,704)	1:A:62:ILE:HG22	1:A:58:VAL:HG12	17	0.21
(1,704)	1:A:62:ILE:HG22	1:A:58:VAL:HG13	17	0.21
(1,704)	1:A:62:ILE:HG23	1:A:58:VAL:HG11	17	0.21
(1,704)	1:A:62:ILE:HG23	1:A:58:VAL:HG12	17	0.21
(1,704)	1:A:62:ILE:HG23	1:A:58:VAL:HG13	17	0.21
(1,670)	1:A:39:LEU:HD11	1:A:42:LYS:HG2	19	0.21
(1,670)	1:A:39:LEU:HD11	1:A:42:LYS:HG3	19	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,670)	1:A:39:LEU:HD12	1:A:42:LYS:HG2	19	0.21
(1,670)	1:A:39:LEU:HD12	1:A:42:LYS:HG3	19	0.21
(1,670)	1:A:39:LEU:HD13	1:A:42:LYS:HG2	19	0.21
(1,670)	1:A:39:LEU:HD13	1:A:42:LYS:HG3	19	0.21
(1,646)	1:A:55:ILE:HG21	1:A:33:VAL:HG11	20	0.21
(1,646)	1:A:55:ILE:HG21	1:A:33:VAL:HG12	20	0.21
(1,646)	1:A:55:ILE:HG21	1:A:33:VAL:HG13	20	0.21
(1,646)	1:A:55:ILE:HG22	1:A:33:VAL:HG11	20	0.21
(1,646)	1:A:55:ILE:HG22	1:A:33:VAL:HG12	20	0.21
(1,646)	1:A:55:ILE:HG22	1:A:33:VAL:HG13	20	0.21
(1,646)	1:A:55:ILE:HG23	1:A:33:VAL:HG11	20	0.21
(1,646)	1:A:55:ILE:HG23	1:A:33:VAL:HG12	20	0.21
(1,646)	1:A:55:ILE:HG23	1:A:33:VAL:HG13	20	0.21
(1,639)	1:A:63:VAL:HG11	1:A:29:GLN:HB2	11	0.21
(1,639)	1:A:63:VAL:HG11	1:A:29:GLN:HB3	11	0.21
(1,639)	1:A:63:VAL:HG12	1:A:29:GLN:HB2	11	0.21
(1,639)	1:A:63:VAL:HG12	1:A:29:GLN:HB3	11	0.21
(1,639)	1:A:63:VAL:HG13	1:A:29:GLN:HB2	11	0.21
(1,639)	1:A:63:VAL:HG13	1:A:29:GLN:HB3	11	0.21
(1,3332)	1:B:139:LEU:HG	1:A:31:THR:H	6	0.21
(1,3312)	1:B:137:ALA:H	1:A:39:LEU:HG	1	0.21
(1,3310)	1:B:139:LEU:HA	1:A:32:ALA:HA	1	0.21
(1,3065)	1:B:111:LEU:HD11	1:B:112:ALA:H	3	0.21
(1,3065)	1:B:111:LEU:HD12	1:B:112:ALA:H	3	0.21
(1,3065)	1:B:111:LEU:HD13	1:B:112:ALA:H	3	0.21
(1,292)	1:A:78:VAL:HG21	1:A:37:GLU:HA	18	0.21
(1,292)	1:A:78:VAL:HG22	1:A:37:GLU:HA	18	0.21
(1,292)	1:A:78:VAL:HG23	1:A:37:GLU:HA	18	0.21
(1,2720)	1:B:113:VAL:HA	1:B:114:ASP:H	17	0.21
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG21	12	0.21
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG22	12	0.21
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG23	12	0.21
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG21	12	0.21
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG22	12	0.21
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG23	12	0.21
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG21	12	0.21
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG22	12	0.21
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG23	12	0.21
(1,2459)	1:B:155:CYS:H	1:B:111:LEU:HD11	4	0.21
(1,2459)	1:B:155:CYS:H	1:B:111:LEU:HD12	4	0.21
(1,2459)	1:B:155:CYS:H	1:B:111:LEU:HD13	4	0.21
(1,2371)	1:B:122:VAL:HG11	1:B:151:ILE:HD11	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2371)	1:B:122:VAL:HG11	1:B:151:ILE:HD12	10	0.21
(1,2371)	1:B:122:VAL:HG11	1:B:151:ILE:HD13	10	0.21
(1,2371)	1:B:122:VAL:HG12	1:B:151:ILE:HD11	10	0.21
(1,2371)	1:B:122:VAL:HG12	1:B:151:ILE:HD12	10	0.21
(1,2371)	1:B:122:VAL:HG12	1:B:151:ILE:HD13	10	0.21
(1,2371)	1:B:122:VAL:HG13	1:B:151:ILE:HD11	10	0.21
(1,2371)	1:B:122:VAL:HG13	1:B:151:ILE:HD12	10	0.21
(1,2371)	1:B:122:VAL:HG13	1:B:151:ILE:HD13	10	0.21
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB1	15	0.21
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB2	15	0.21
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB3	15	0.21
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB1	15	0.21
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB2	15	0.21
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB3	15	0.21
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB1	15	0.21
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB2	15	0.21
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB3	15	0.21
(1,235)	1:A:24:VAL:HG21	1:A:29:GLN:HA	11	0.21
(1,235)	1:A:24:VAL:HG22	1:A:29:GLN:HA	11	0.21
(1,235)	1:A:24:VAL:HG23	1:A:29:GLN:HA	11	0.21
(1,228)	1:A:25:ASP:H	1:A:24:VAL:HA	4	0.21
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD11	3	0.21
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD12	3	0.21
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD13	3	0.21
(1,2266)	1:B:171:TRP:H	1:B:147:VAL:HG11	7	0.21
(1,2266)	1:B:171:TRP:H	1:B:147:VAL:HG12	7	0.21
(1,2266)	1:B:171:TRP:H	1:B:147:VAL:HG13	7	0.21
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG11	15	0.21
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG12	15	0.21
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG13	15	0.21
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG11	15	0.21
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG12	15	0.21
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG13	15	0.21
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG11	15	0.21
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG12	15	0.21
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG13	15	0.21
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG11	1	0.21
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG12	1	0.21
(1,2241)	1:B:125:ALA:HA	1:B:102:VAL:HG13	1	0.21
(1,2205)	1:B:152:VAL:HG11	1:B:118:GLN:HB2	19	0.21
(1,2205)	1:B:152:VAL:HG11	1:B:118:GLN:HB3	19	0.21
(1,2205)	1:B:152:VAL:HG12	1:B:118:GLN:HB2	19	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2205)	1:B:152:VAL:HG12	1:B:118:GLN:HB3	19	0.21
(1,2205)	1:B:152:VAL:HG13	1:B:118:GLN:HB2	19	0.21
(1,2205)	1:B:152:VAL:HG13	1:B:118:GLN:HB3	19	0.21
(1,1794)	1:B:114:ASP:H	1:B:113:VAL:HA	17	0.21
(1,1734)	1:B:144:ILE:HD11	1:B:139:LEU:HD11	11	0.21
(1,1734)	1:B:144:ILE:HD11	1:B:139:LEU:HD12	11	0.21
(1,1734)	1:B:144:ILE:HD11	1:B:139:LEU:HD13	11	0.21
(1,1734)	1:B:144:ILE:HD12	1:B:139:LEU:HD11	11	0.21
(1,1734)	1:B:144:ILE:HD12	1:B:139:LEU:HD12	11	0.21
(1,1734)	1:B:144:ILE:HD12	1:B:139:LEU:HD13	11	0.21
(1,1734)	1:B:144:ILE:HD13	1:B:139:LEU:HD11	11	0.21
(1,1734)	1:B:144:ILE:HD13	1:B:139:LEU:HD12	11	0.21
(1,1734)	1:B:144:ILE:HD13	1:B:139:LEU:HD13	11	0.21
(1,171)	1:A:33:VAL:HG21	1:A:58:VAL:HB	6	0.21
(1,171)	1:A:33:VAL:HG22	1:A:58:VAL:HB	6	0.21
(1,171)	1:A:33:VAL:HG23	1:A:58:VAL:HB	6	0.21
(1,171)	1:A:33:VAL:HG21	1:A:58:VAL:HB	13	0.21
(1,171)	1:A:33:VAL:HG22	1:A:58:VAL:HB	13	0.21
(1,171)	1:A:33:VAL:HG23	1:A:58:VAL:HB	13	0.21
(1,1676)	1:B:149:PRO:HA	1:B:152:VAL:HG11	5	0.21
(1,1676)	1:B:149:PRO:HA	1:B:152:VAL:HG12	5	0.21
(1,1676)	1:B:149:PRO:HA	1:B:152:VAL:HG13	5	0.21
(1,1154)	1:A:24:VAL:HA	1:A:25:ASP:H	4	0.21
(2,6)	1:A:39:LEU:HG	1:B:128:LEU:HB2	3	0.2
(2,6)	1:A:39:LEU:HG	1:B:128:LEU:HB3	3	0.2
(2,4)	1:A:4:GLN:HE21	1:B:140:ASP:HB2	20	0.2
(2,4)	1:A:4:GLN:HE21	1:B:140:ASP:HB3	20	0.2
(2,4)	1:A:4:GLN:HE22	1:B:140:ASP:HB2	20	0.2
(2,4)	1:A:4:GLN:HE22	1:B:140:ASP:HB3	20	0.2
(2,3)	1:A:3:ALA:H	1:B:143:GLY:HA2	15	0.2
(2,3)	1:A:3:ALA:H	1:B:143:GLY:HA3	15	0.2
(2,13)	1:B:128:LEU:HG	1:A:39:LEU:HB2	12	0.2
(2,13)	1:B:128:LEU:HG	1:A:39:LEU:HB3	12	0.2
(2,13)	1:B:128:LEU:HG	1:A:39:LEU:HB2	13	0.2
(2,13)	1:B:128:LEU:HG	1:A:39:LEU:HB3	13	0.2
(2,13)	1:B:128:LEU:HG	1:A:39:LEU:HB2	18	0.2
(2,13)	1:B:128:LEU:HG	1:A:39:LEU:HB3	18	0.2
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG11	11	0.2
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG12	11	0.2
(1,956)	1:A:47:ASP:HB2	1:A:49:VAL:HG13	11	0.2
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG11	11	0.2
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG12	11	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,956)	1:A:47:ASP:HB3	1:A:49:VAL:HG13	11	0.2
(1,856)	1:A:35:PHE:HB2	1:A:39:LEU:HD11	1	0.2
(1,856)	1:A:35:PHE:HB2	1:A:39:LEU:HD12	1	0.2
(1,856)	1:A:35:PHE:HB2	1:A:39:LEU:HD13	1	0.2
(1,856)	1:A:35:PHE:HB3	1:A:39:LEU:HD11	1	0.2
(1,856)	1:A:35:PHE:HB3	1:A:39:LEU:HD12	1	0.2
(1,856)	1:A:35:PHE:HB3	1:A:39:LEU:HD13	1	0.2
(1,801)	1:A:62:ILE:HA	1:A:62:ILE:HD11	6	0.2
(1,801)	1:A:62:ILE:HA	1:A:62:ILE:HD12	6	0.2
(1,801)	1:A:62:ILE:HA	1:A:62:ILE:HD13	6	0.2
(1,731)	1:A:55:ILE:HD11	1:A:33:VAL:HG21	2	0.2
(1,731)	1:A:55:ILE:HD11	1:A:33:VAL:HG22	2	0.2
(1,731)	1:A:55:ILE:HD11	1:A:33:VAL:HG23	2	0.2
(1,731)	1:A:55:ILE:HD12	1:A:33:VAL:HG21	2	0.2
(1,731)	1:A:55:ILE:HD12	1:A:33:VAL:HG22	2	0.2
(1,731)	1:A:55:ILE:HD12	1:A:33:VAL:HG23	2	0.2
(1,731)	1:A:55:ILE:HD13	1:A:33:VAL:HG21	2	0.2
(1,731)	1:A:55:ILE:HD13	1:A:33:VAL:HG22	2	0.2
(1,731)	1:A:55:ILE:HD13	1:A:33:VAL:HG23	2	0.2
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD11	20	0.2
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD12	20	0.2
(1,708)	1:A:23:ALA:H	1:A:22:LEU:HD13	20	0.2
(1,704)	1:A:62:ILE:HG21	1:A:58:VAL:HG11	16	0.2
(1,704)	1:A:62:ILE:HG21	1:A:58:VAL:HG12	16	0.2
(1,704)	1:A:62:ILE:HG21	1:A:58:VAL:HG13	16	0.2
(1,704)	1:A:62:ILE:HG22	1:A:58:VAL:HG11	16	0.2
(1,704)	1:A:62:ILE:HG22	1:A:58:VAL:HG12	16	0.2
(1,704)	1:A:62:ILE:HG22	1:A:58:VAL:HG13	16	0.2
(1,704)	1:A:62:ILE:HG23	1:A:58:VAL:HG11	16	0.2
(1,704)	1:A:62:ILE:HG23	1:A:58:VAL:HG12	16	0.2
(1,704)	1:A:62:ILE:HG23	1:A:58:VAL:HG13	16	0.2
(1,670)	1:A:39:LEU:HD11	1:A:42:LYS:HG2	6	0.2
(1,670)	1:A:39:LEU:HD11	1:A:42:LYS:HG3	6	0.2
(1,670)	1:A:39:LEU:HD12	1:A:42:LYS:HG2	6	0.2
(1,670)	1:A:39:LEU:HD12	1:A:42:LYS:HG3	6	0.2
(1,670)	1:A:39:LEU:HD13	1:A:42:LYS:HG2	6	0.2
(1,670)	1:A:39:LEU:HD13	1:A:42:LYS:HG3	6	0.2
(1,646)	1:A:55:ILE:HG21	1:A:33:VAL:HG11	4	0.2
(1,646)	1:A:55:ILE:HG21	1:A:33:VAL:HG12	4	0.2
(1,646)	1:A:55:ILE:HG21	1:A:33:VAL:HG13	4	0.2
(1,646)	1:A:55:ILE:HG22	1:A:33:VAL:HG11	4	0.2
(1,646)	1:A:55:ILE:HG22	1:A:33:VAL:HG12	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,646)	1:A:55:ILE:HG22	1:A:33:VAL:HG13	4	0.2
(1,646)	1:A:55:ILE:HG23	1:A:33:VAL:HG11	4	0.2
(1,646)	1:A:55:ILE:HG23	1:A:33:VAL:HG12	4	0.2
(1,646)	1:A:55:ILE:HG23	1:A:33:VAL:HG13	4	0.2
(1,556)	1:A:78:VAL:H	1:A:78:VAL:HB	1	0.2
(1,292)	1:A:78:VAL:HG21	1:A:37:GLU:HA	15	0.2
(1,292)	1:A:78:VAL:HG22	1:A:37:GLU:HA	15	0.2
(1,292)	1:A:78:VAL:HG23	1:A:37:GLU:HA	15	0.2
(1,2646)	1:B:110:PHE:H	1:B:159:LYS:HA	6	0.2
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG21	6	0.2
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG22	6	0.2
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG23	6	0.2
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG21	6	0.2
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG22	6	0.2
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG23	6	0.2
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG21	6	0.2
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG22	6	0.2
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG23	6	0.2
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG21	14	0.2
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG22	14	0.2
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG23	14	0.2
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG21	14	0.2
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG22	14	0.2
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG23	14	0.2
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG21	14	0.2
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG22	14	0.2
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG23	14	0.2
(1,2367)	1:B:151:ILE:HA	1:B:151:ILE:HD11	16	0.2
(1,2367)	1:B:151:ILE:HA	1:B:151:ILE:HD12	16	0.2
(1,2367)	1:B:151:ILE:HA	1:B:151:ILE:HD13	16	0.2
(1,2245)	1:B:102:VAL:HG21	1:B:167:VAL:HG11	16	0.2
(1,2245)	1:B:102:VAL:HG21	1:B:167:VAL:HG12	16	0.2
(1,2245)	1:B:102:VAL:HG21	1:B:167:VAL:HG13	16	0.2
(1,2245)	1:B:102:VAL:HG22	1:B:167:VAL:HG11	16	0.2
(1,2245)	1:B:102:VAL:HG22	1:B:167:VAL:HG12	16	0.2
(1,2245)	1:B:102:VAL:HG22	1:B:167:VAL:HG13	16	0.2
(1,2245)	1:B:102:VAL:HG23	1:B:167:VAL:HG11	16	0.2
(1,2245)	1:B:102:VAL:HG23	1:B:167:VAL:HG12	16	0.2
(1,2245)	1:B:102:VAL:HG23	1:B:167:VAL:HG13	16	0.2
(1,2236)	1:B:128:LEU:HD11	1:B:131:LYS:HG2	13	0.2
(1,2236)	1:B:128:LEU:HD11	1:B:131:LYS:HG3	13	0.2
(1,2236)	1:B:128:LEU:HD12	1:B:131:LYS:HG2	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2236)	1:B:128:LEU:HD12	1:B:131:LYS:HG3	13	0.2
(1,2236)	1:B:128:LEU:HD13	1:B:131:LYS:HG2	13	0.2
(1,2236)	1:B:128:LEU:HD13	1:B:131:LYS:HG3	13	0.2
(1,2236)	1:B:128:LEU:HD11	1:B:131:LYS:HG2	18	0.2
(1,2236)	1:B:128:LEU:HD11	1:B:131:LYS:HG3	18	0.2
(1,2236)	1:B:128:LEU:HD12	1:B:131:LYS:HG2	18	0.2
(1,2236)	1:B:128:LEU:HD12	1:B:131:LYS:HG3	18	0.2
(1,2236)	1:B:128:LEU:HD13	1:B:131:LYS:HG2	18	0.2
(1,2236)	1:B:128:LEU:HD13	1:B:131:LYS:HG3	18	0.2
(1,2205)	1:B:152:VAL:HG11	1:B:118:GLN:HB2	11	0.2
(1,2205)	1:B:152:VAL:HG11	1:B:118:GLN:HB3	11	0.2
(1,2205)	1:B:152:VAL:HG12	1:B:118:GLN:HB2	11	0.2
(1,2205)	1:B:152:VAL:HG12	1:B:118:GLN:HB3	11	0.2
(1,2205)	1:B:152:VAL:HG13	1:B:118:GLN:HB2	11	0.2
(1,2205)	1:B:152:VAL:HG13	1:B:118:GLN:HB3	11	0.2
(1,2122)	1:B:167:VAL:H	1:B:167:VAL:HB	15	0.2
(1,1872)	1:B:166:LYS:HG2	1:B:166:LYS:HA	11	0.2
(1,1872)	1:B:166:LYS:HG3	1:B:166:LYS:HA	11	0.2
(1,1858)	1:B:167:VAL:HG21	1:B:126:GLU:HA	5	0.2
(1,1858)	1:B:167:VAL:HG22	1:B:126:GLU:HA	5	0.2
(1,1858)	1:B:167:VAL:HG23	1:B:126:GLU:HA	5	0.2
(1,1858)	1:B:167:VAL:HG21	1:B:126:GLU:HA	12	0.2
(1,1858)	1:B:167:VAL:HG22	1:B:126:GLU:HA	12	0.2
(1,1858)	1:B:167:VAL:HG23	1:B:126:GLU:HA	12	0.2
(1,1834)	1:B:159:LYS:HA	1:B:107:CYS:HA	11	0.2
(1,182)	1:A:57:THR:HA	1:A:57:THR:HB	4	0.2
(1,1739)	1:B:119:PRO:HG2	1:B:148:THR:HA	14	0.2
(1,1739)	1:B:119:PRO:HG3	1:B:148:THR:HA	14	0.2
(1,1499)	1:A:22:LEU:HD11	1:A:23:ALA:H	20	0.2
(1,1499)	1:A:22:LEU:HD12	1:A:23:ALA:H	20	0.2
(1,1499)	1:A:22:LEU:HD13	1:A:23:ALA:H	20	0.2
(1,1371)	1:A:32:ALA:HA	1:A:36:ALA:H	2	0.2
(1,1182)	1:A:88:ASP:H	1:A:89:MET:H	5	0.2
(1,110)	1:A:60:PRO:HA	1:A:63:VAL:HG11	5	0.2
(1,110)	1:A:60:PRO:HA	1:A:63:VAL:HG12	5	0.2
(1,110)	1:A:60:PRO:HA	1:A:63:VAL:HG13	5	0.2
(1,110)	1:A:60:PRO:HA	1:A:63:VAL:HG11	8	0.2
(1,110)	1:A:60:PRO:HA	1:A:63:VAL:HG12	8	0.2
(1,110)	1:A:60:PRO:HA	1:A:63:VAL:HG13	8	0.2
(1,1091)	1:A:52:VAL:HG21	1:A:55:ILE:HD11	17	0.2
(1,1091)	1:A:52:VAL:HG21	1:A:55:ILE:HD12	17	0.2
(1,1091)	1:A:52:VAL:HG21	1:A:55:ILE:HD13	17	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1091)	1:A:52:VAL:HG22	1:A:55:ILE:HD11	17	0.2
(1,1091)	1:A:52:VAL:HG22	1:A:55:ILE:HD12	17	0.2
(1,1091)	1:A:52:VAL:HG22	1:A:55:ILE:HD13	17	0.2
(1,1091)	1:A:52:VAL:HG23	1:A:55:ILE:HD11	17	0.2
(1,1091)	1:A:52:VAL:HG23	1:A:55:ILE:HD12	17	0.2
(1,1091)	1:A:52:VAL:HG23	1:A:55:ILE:HD13	17	0.2
(2,6)	1:A:39:LEU:HG	1:B:128:LEU:HB2	2	0.19
(2,6)	1:A:39:LEU:HG	1:B:128:LEU:HB3	2	0.19
(2,3)	1:A:3:ALA:H	1:B:143:GLY:HA2	10	0.19
(2,3)	1:A:3:ALA:H	1:B:143:GLY:HA3	10	0.19
(2,15)	1:B:94:LYS:HG2	1:A:52:VAL:HA	4	0.19
(2,15)	1:B:94:LYS:HG3	1:A:52:VAL:HA	4	0.19
(2,15)	1:B:94:LYS:HG2	1:A:52:VAL:HA	5	0.19
(2,15)	1:B:94:LYS:HG3	1:A:52:VAL:HA	5	0.19
(2,13)	1:B:128:LEU:HG	1:A:39:LEU:HB2	5	0.19
(2,13)	1:B:128:LEU:HG	1:A:39:LEU:HB3	5	0.19
(1,801)	1:A:62:ILE:HA	1:A:62:ILE:HD11	5	0.19
(1,801)	1:A:62:ILE:HA	1:A:62:ILE:HD12	5	0.19
(1,801)	1:A:62:ILE:HA	1:A:62:ILE:HD13	5	0.19
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD11	1	0.19
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD12	1	0.19
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD13	1	0.19
(1,670)	1:A:39:LEU:HD11	1:A:42:LYS:HG2	20	0.19
(1,670)	1:A:39:LEU:HD11	1:A:42:LYS:HG3	20	0.19
(1,670)	1:A:39:LEU:HD12	1:A:42:LYS:HG2	20	0.19
(1,670)	1:A:39:LEU:HD12	1:A:42:LYS:HG3	20	0.19
(1,670)	1:A:39:LEU:HD13	1:A:42:LYS:HG2	20	0.19
(1,670)	1:A:39:LEU:HD13	1:A:42:LYS:HG3	20	0.19
(1,649)	1:A:30:PRO:HA	1:A:33:VAL:HG11	9	0.19
(1,649)	1:A:30:PRO:HA	1:A:33:VAL:HG12	9	0.19
(1,649)	1:A:30:PRO:HA	1:A:33:VAL:HG13	9	0.19
(1,556)	1:A:78:VAL:H	1:A:78:VAL:HB	14	0.19
(1,556)	1:A:78:VAL:H	1:A:78:VAL:HB	18	0.19
(1,514)	1:A:84:LYS:HE2	1:A:84:LYS:HB2	15	0.19
(1,514)	1:A:84:LYS:HE2	1:A:84:LYS:HB3	15	0.19
(1,514)	1:A:84:LYS:HE3	1:A:84:LYS:HB2	15	0.19
(1,514)	1:A:84:LYS:HE3	1:A:84:LYS:HB3	15	0.19
(1,410)	1:A:77:LYS:HA	1:A:77:LYS:HE2	1	0.19
(1,410)	1:A:77:LYS:HA	1:A:77:LYS:HE3	1	0.19
(1,3290)	1:B:97:ASP:H	1:A:49:VAL:HG11	18	0.19
(1,3290)	1:B:97:ASP:H	1:A:49:VAL:HG12	18	0.19
(1,3290)	1:B:97:ASP:H	1:A:49:VAL:HG13	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3121)	1:B:176:LYS:HB2	1:B:173:LYS:H	9	0.19
(1,3121)	1:B:176:LYS:HB3	1:B:173:LYS:H	9	0.19
(1,3065)	1:B:111:LEU:HD11	1:B:112:ALA:H	7	0.19
(1,3065)	1:B:111:LEU:HD12	1:B:112:ALA:H	7	0.19
(1,3065)	1:B:111:LEU:HD13	1:B:112:ALA:H	7	0.19
(1,292)	1:A:78:VAL:HG21	1:A:37:GLU:HA	14	0.19
(1,292)	1:A:78:VAL:HG22	1:A:37:GLU:HA	14	0.19
(1,292)	1:A:78:VAL:HG23	1:A:37:GLU:HA	14	0.19
(1,2646)	1:B:110:PHE:H	1:B:159:LYS:HA	16	0.19
(1,2646)	1:B:110:PHE:H	1:B:159:LYS:HA	19	0.19
(1,256)	1:A:74:PHE:H	1:A:17:THR:HA	5	0.19
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG21	7	0.19
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG22	7	0.19
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG23	7	0.19
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG21	7	0.19
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG22	7	0.19
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG23	7	0.19
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG21	7	0.19
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG22	7	0.19
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG23	7	0.19
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG21	20	0.19
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG22	20	0.19
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG23	20	0.19
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG21	20	0.19
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG22	20	0.19
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG23	20	0.19
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG21	20	0.19
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG22	20	0.19
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG23	20	0.19
(1,2459)	1:B:155:CYS:H	1:B:111:LEU:HD11	10	0.19
(1,2459)	1:B:155:CYS:H	1:B:111:LEU:HD12	10	0.19
(1,2459)	1:B:155:CYS:H	1:B:111:LEU:HD13	10	0.19
(1,2404)	1:B:131:LYS:HE2	1:B:128:LEU:HA	11	0.19
(1,2404)	1:B:131:LYS:HE3	1:B:128:LEU:HA	11	0.19
(1,2371)	1:B:122:VAL:HG11	1:B:151:ILE:HD11	1	0.19
(1,2371)	1:B:122:VAL:HG11	1:B:151:ILE:HD12	1	0.19
(1,2371)	1:B:122:VAL:HG11	1:B:151:ILE:HD13	1	0.19
(1,2371)	1:B:122:VAL:HG12	1:B:151:ILE:HD11	1	0.19
(1,2371)	1:B:122:VAL:HG12	1:B:151:ILE:HD12	1	0.19
(1,2371)	1:B:122:VAL:HG12	1:B:151:ILE:HD13	1	0.19
(1,2371)	1:B:122:VAL:HG13	1:B:151:ILE:HD11	1	0.19
(1,2371)	1:B:122:VAL:HG13	1:B:151:ILE:HD12	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2371)	1:B:122:VAL:HG13	1:B:151:ILE:HD13	1	0.19
(1,2367)	1:B:151:ILE:HA	1:B:151:ILE:HD11	14	0.19
(1,2367)	1:B:151:ILE:HA	1:B:151:ILE:HD12	14	0.19
(1,2367)	1:B:151:ILE:HA	1:B:151:ILE:HD13	14	0.19
(1,2367)	1:B:151:ILE:HA	1:B:151:ILE:HD11	18	0.19
(1,2367)	1:B:151:ILE:HA	1:B:151:ILE:HD12	18	0.19
(1,2367)	1:B:151:ILE:HA	1:B:151:ILE:HD13	18	0.19
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD11	7	0.19
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD12	7	0.19
(1,2274)	1:B:112:ALA:H	1:B:111:LEU:HD13	7	0.19
(1,2236)	1:B:128:LEU:HD11	1:B:131:LYS:HG2	6	0.19
(1,2236)	1:B:128:LEU:HD11	1:B:131:LYS:HG3	6	0.19
(1,2236)	1:B:128:LEU:HD12	1:B:131:LYS:HG2	6	0.19
(1,2236)	1:B:128:LEU:HD12	1:B:131:LYS:HG3	6	0.19
(1,2236)	1:B:128:LEU:HD13	1:B:131:LYS:HG2	6	0.19
(1,2236)	1:B:128:LEU:HD13	1:B:131:LYS:HG3	6	0.19
(1,2122)	1:B:167:VAL:H	1:B:167:VAL:HB	5	0.19
(1,1932)	1:B:99:LYS:HD2	1:B:101:PRO:HD2	12	0.19
(1,1932)	1:B:99:LYS:HD2	1:B:101:PRO:HD3	12	0.19
(1,1932)	1:B:99:LYS:HD3	1:B:101:PRO:HD2	12	0.19
(1,1932)	1:B:99:LYS:HD3	1:B:101:PRO:HD3	12	0.19
(1,1907)	1:B:102:VAL:HG21	1:B:125:ALA:HA	3	0.19
(1,1907)	1:B:102:VAL:HG22	1:B:125:ALA:HA	3	0.19
(1,1907)	1:B:102:VAL:HG23	1:B:125:ALA:HA	3	0.19
(1,182)	1:A:57:THR:HA	1:A:57:THR:HB	7	0.19
(1,182)	1:A:57:THR:HA	1:A:57:THR:HB	9	0.19
(1,1748)	1:B:146:THR:HA	1:B:146:THR:HB	1	0.19
(1,1748)	1:B:146:THR:HA	1:B:146:THR:HB	6	0.19
(1,1748)	1:B:146:THR:HA	1:B:146:THR:HB	7	0.19
(1,1748)	1:B:146:THR:HA	1:B:146:THR:HB	8	0.19
(1,1748)	1:B:146:THR:HA	1:B:146:THR:HB	9	0.19
(1,1748)	1:B:146:THR:HA	1:B:146:THR:HB	11	0.19
(1,1748)	1:B:146:THR:HA	1:B:146:THR:HB	18	0.19
(1,1748)	1:B:146:THR:HA	1:B:146:THR:HB	19	0.19
(1,173)	1:A:30:PRO:HG2	1:A:59:THR:HA	2	0.19
(1,173)	1:A:30:PRO:HG3	1:A:59:THR:HA	2	0.19
(1,1555)	1:A:87:LYS:HB2	1:A:84:LYS:H	16	0.19
(1,1555)	1:A:87:LYS:HB3	1:A:84:LYS:H	16	0.19
(1,1555)	1:A:87:LYS:HB2	1:A:84:LYS:H	18	0.19
(1,1555)	1:A:87:LYS:HB3	1:A:84:LYS:H	18	0.19
(1,1376)	1:A:42:LYS:H	1:A:43:ASP:H	8	0.19
(1,1275)	1:A:43:ASP:H	1:A:42:LYS:H	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1028)	1:A:22:LEU:HD21	1:A:70:LYS:HD2	1	0.19
(1,1028)	1:A:22:LEU:HD21	1:A:70:LYS:HD3	1	0.19
(1,1028)	1:A:22:LEU:HD22	1:A:70:LYS:HD2	1	0.19
(1,1028)	1:A:22:LEU:HD22	1:A:70:LYS:HD3	1	0.19
(1,1028)	1:A:22:LEU:HD23	1:A:70:LYS:HD2	1	0.19
(1,1028)	1:A:22:LEU:HD23	1:A:70:LYS:HD3	1	0.19
(2,13)	1:B:128:LEU:HG	1:A:39:LEU:HB2	17	0.18
(2,13)	1:B:128:LEU:HG	1:A:39:LEU:HB3	17	0.18
(2,12)	1:B:90:ALA:HB1	1:A:55:ILE:HD11	3	0.18
(2,12)	1:B:90:ALA:HB1	1:A:55:ILE:HD12	3	0.18
(2,12)	1:B:90:ALA:HB1	1:A:55:ILE:HD13	3	0.18
(2,12)	1:B:90:ALA:HB2	1:A:55:ILE:HD11	3	0.18
(2,12)	1:B:90:ALA:HB2	1:A:55:ILE:HD12	3	0.18
(2,12)	1:B:90:ALA:HB2	1:A:55:ILE:HD13	3	0.18
(2,12)	1:B:90:ALA:HB3	1:A:55:ILE:HD11	3	0.18
(2,12)	1:B:90:ALA:HB3	1:A:55:ILE:HD12	3	0.18
(2,12)	1:B:90:ALA:HB3	1:A:55:ILE:HD13	3	0.18
(2,10)	1:B:92:ALA:H	1:A:54:GLY:HA2	9	0.18
(2,10)	1:B:92:ALA:H	1:A:54:GLY:HA3	9	0.18
(2,10)	1:B:92:ALA:H	1:A:54:GLY:HA2	20	0.18
(2,10)	1:B:92:ALA:H	1:A:54:GLY:HA3	20	0.18
(1,893)	1:A:66:CYS:H	1:A:22:LEU:HD11	16	0.18
(1,893)	1:A:66:CYS:H	1:A:22:LEU:HD12	16	0.18
(1,893)	1:A:66:CYS:H	1:A:22:LEU:HD13	16	0.18
(1,786)	1:A:33:VAL:HG21	1:A:36:ALA:HB1	17	0.18
(1,786)	1:A:33:VAL:HG21	1:A:36:ALA:HB2	17	0.18
(1,786)	1:A:33:VAL:HG21	1:A:36:ALA:HB3	17	0.18
(1,786)	1:A:33:VAL:HG22	1:A:36:ALA:HB1	17	0.18
(1,786)	1:A:33:VAL:HG22	1:A:36:ALA:HB2	17	0.18
(1,786)	1:A:33:VAL:HG22	1:A:36:ALA:HB3	17	0.18
(1,786)	1:A:33:VAL:HG23	1:A:36:ALA:HB1	17	0.18
(1,786)	1:A:33:VAL:HG23	1:A:36:ALA:HB2	17	0.18
(1,786)	1:A:33:VAL:HG23	1:A:36:ALA:HB3	17	0.18
(1,740)	1:A:36:ALA:HB1	1:A:78:VAL:HG21	4	0.18
(1,740)	1:A:36:ALA:HB1	1:A:78:VAL:HG22	4	0.18
(1,740)	1:A:36:ALA:HB1	1:A:78:VAL:HG23	4	0.18
(1,740)	1:A:36:ALA:HB2	1:A:78:VAL:HG21	4	0.18
(1,740)	1:A:36:ALA:HB2	1:A:78:VAL:HG22	4	0.18
(1,740)	1:A:36:ALA:HB2	1:A:78:VAL:HG23	4	0.18
(1,740)	1:A:36:ALA:HB3	1:A:78:VAL:HG21	4	0.18
(1,740)	1:A:36:ALA:HB3	1:A:78:VAL:HG22	4	0.18
(1,740)	1:A:36:ALA:HB3	1:A:78:VAL:HG23	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,704)	1:A:62:ILE:HG21	1:A:58:VAL:HG11	8	0.18
(1,704)	1:A:62:ILE:HG21	1:A:58:VAL:HG12	8	0.18
(1,704)	1:A:62:ILE:HG21	1:A:58:VAL:HG13	8	0.18
(1,704)	1:A:62:ILE:HG22	1:A:58:VAL:HG11	8	0.18
(1,704)	1:A:62:ILE:HG22	1:A:58:VAL:HG12	8	0.18
(1,704)	1:A:62:ILE:HG22	1:A:58:VAL:HG13	8	0.18
(1,704)	1:A:62:ILE:HG23	1:A:58:VAL:HG11	8	0.18
(1,704)	1:A:62:ILE:HG23	1:A:58:VAL:HG12	8	0.18
(1,704)	1:A:62:ILE:HG23	1:A:58:VAL:HG13	8	0.18
(1,670)	1:A:39:LEU:HD11	1:A:42:LYS:HG2	15	0.18
(1,670)	1:A:39:LEU:HD11	1:A:42:LYS:HG3	15	0.18
(1,670)	1:A:39:LEU:HD12	1:A:42:LYS:HG2	15	0.18
(1,670)	1:A:39:LEU:HD12	1:A:42:LYS:HG3	15	0.18
(1,670)	1:A:39:LEU:HD13	1:A:42:LYS:HG2	15	0.18
(1,670)	1:A:39:LEU:HD13	1:A:42:LYS:HG3	15	0.18
(1,556)	1:A:78:VAL:H	1:A:78:VAL:HB	5	0.18
(1,556)	1:A:78:VAL:H	1:A:78:VAL:HB	19	0.18
(1,410)	1:A:77:LYS:HA	1:A:77:LYS:HE2	16	0.18
(1,410)	1:A:77:LYS:HA	1:A:77:LYS:HE3	16	0.18
(1,3310)	1:B:139:LEU:HA	1:A:32:ALA:HA	6	0.18
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG21	8	0.18
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG22	8	0.18
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG23	8	0.18
(1,3121)	1:B:176:LYS:HB2	1:B:173:LYS:H	14	0.18
(1,3121)	1:B:176:LYS:HB3	1:B:173:LYS:H	14	0.18
(1,2937)	1:B:121:ALA:HA	1:B:125:ALA:H	13	0.18
(1,292)	1:A:78:VAL:HG21	1:A:37:GLU:HA	5	0.18
(1,292)	1:A:78:VAL:HG22	1:A:37:GLU:HA	5	0.18
(1,292)	1:A:78:VAL:HG23	1:A:37:GLU:HA	5	0.18
(1,292)	1:A:78:VAL:HG21	1:A:37:GLU:HA	10	0.18
(1,292)	1:A:78:VAL:HG22	1:A:37:GLU:HA	10	0.18
(1,292)	1:A:78:VAL:HG23	1:A:37:GLU:HA	10	0.18
(1,2527)	1:B:140:ASP:H	1:B:139:LEU:HD11	10	0.18
(1,2527)	1:B:140:ASP:H	1:B:139:LEU:HD12	10	0.18
(1,2527)	1:B:140:ASP:H	1:B:139:LEU:HD13	10	0.18
(1,2527)	1:B:140:ASP:H	1:B:139:LEU:HD11	11	0.18
(1,2527)	1:B:140:ASP:H	1:B:139:LEU:HD12	11	0.18
(1,2527)	1:B:140:ASP:H	1:B:139:LEU:HD13	11	0.18
(1,2518)	1:B:152:VAL:HG21	1:B:153:GLN:HG2	7	0.18
(1,2518)	1:B:152:VAL:HG21	1:B:153:GLN:HG3	7	0.18
(1,2518)	1:B:152:VAL:HG22	1:B:153:GLN:HG2	7	0.18
(1,2518)	1:B:152:VAL:HG22	1:B:153:GLN:HG3	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2518)	1:B:152:VAL:HG23	1:B:153:GLN:HG2	7	0.18
(1,2518)	1:B:152:VAL:HG23	1:B:153:GLN:HG3	7	0.18
(1,2367)	1:B:151:ILE:HA	1:B:151:ILE:HD11	1	0.18
(1,2367)	1:B:151:ILE:HA	1:B:151:ILE:HD12	1	0.18
(1,2367)	1:B:151:ILE:HA	1:B:151:ILE:HD13	1	0.18
(1,2367)	1:B:151:ILE:HA	1:B:151:ILE:HD11	5	0.18
(1,2367)	1:B:151:ILE:HA	1:B:151:ILE:HD12	5	0.18
(1,2367)	1:B:151:ILE:HA	1:B:151:ILE:HD13	5	0.18
(1,2352)	1:B:122:VAL:HG21	1:B:125:ALA:HB1	10	0.18
(1,2352)	1:B:122:VAL:HG21	1:B:125:ALA:HB2	10	0.18
(1,2352)	1:B:122:VAL:HG21	1:B:125:ALA:HB3	10	0.18
(1,2352)	1:B:122:VAL:HG22	1:B:125:ALA:HB1	10	0.18
(1,2352)	1:B:122:VAL:HG22	1:B:125:ALA:HB2	10	0.18
(1,2352)	1:B:122:VAL:HG22	1:B:125:ALA:HB3	10	0.18
(1,2352)	1:B:122:VAL:HG23	1:B:125:ALA:HB1	10	0.18
(1,2352)	1:B:122:VAL:HG23	1:B:125:ALA:HB2	10	0.18
(1,2352)	1:B:122:VAL:HG23	1:B:125:ALA:HB3	10	0.18
(1,2343)	1:B:166:LYS:HE2	1:B:154:ALA:HB1	9	0.18
(1,2343)	1:B:166:LYS:HE2	1:B:154:ALA:HB2	9	0.18
(1,2343)	1:B:166:LYS:HE2	1:B:154:ALA:HB3	9	0.18
(1,2343)	1:B:166:LYS:HE3	1:B:154:ALA:HB1	9	0.18
(1,2343)	1:B:166:LYS:HE3	1:B:154:ALA:HB2	9	0.18
(1,2343)	1:B:166:LYS:HE3	1:B:154:ALA:HB3	9	0.18
(1,233)	1:A:86:LYS:HG2	1:A:85:ILE:HA	1	0.18
(1,233)	1:A:86:LYS:HG3	1:A:85:ILE:HA	1	0.18
(1,233)	1:A:86:LYS:HG2	1:A:85:ILE:HA	2	0.18
(1,233)	1:A:86:LYS:HG3	1:A:85:ILE:HA	2	0.18
(1,233)	1:A:86:LYS:HG2	1:A:85:ILE:HA	9	0.18
(1,233)	1:A:86:LYS:HG3	1:A:85:ILE:HA	9	0.18
(1,233)	1:A:86:LYS:HG2	1:A:85:ILE:HA	10	0.18
(1,233)	1:A:86:LYS:HG3	1:A:85:ILE:HA	10	0.18
(1,233)	1:A:86:LYS:HG2	1:A:85:ILE:HA	17	0.18
(1,233)	1:A:86:LYS:HG3	1:A:85:ILE:HA	17	0.18
(1,2294)	1:B:126:GLU:HG2	1:B:122:VAL:HG21	6	0.18
(1,2294)	1:B:126:GLU:HG2	1:B:122:VAL:HG22	6	0.18
(1,2294)	1:B:126:GLU:HG2	1:B:122:VAL:HG23	6	0.18
(1,2294)	1:B:126:GLU:HG3	1:B:122:VAL:HG21	6	0.18
(1,2294)	1:B:126:GLU:HG3	1:B:122:VAL:HG22	6	0.18
(1,2294)	1:B:126:GLU:HG3	1:B:122:VAL:HG23	6	0.18
(1,2270)	1:B:151:ILE:HG21	1:B:147:VAL:HG11	16	0.18
(1,2270)	1:B:151:ILE:HG21	1:B:147:VAL:HG12	16	0.18
(1,2270)	1:B:151:ILE:HG21	1:B:147:VAL:HG13	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2270)	1:B:151:ILE:HG22	1:B:147:VAL:HG11	16	0.18
(1,2270)	1:B:151:ILE:HG22	1:B:147:VAL:HG12	16	0.18
(1,2270)	1:B:151:ILE:HG22	1:B:147:VAL:HG13	16	0.18
(1,2270)	1:B:151:ILE:HG23	1:B:147:VAL:HG11	16	0.18
(1,2270)	1:B:151:ILE:HG23	1:B:147:VAL:HG12	16	0.18
(1,2270)	1:B:151:ILE:HG23	1:B:147:VAL:HG13	16	0.18
(1,2270)	1:B:151:ILE:HG21	1:B:147:VAL:HG11	18	0.18
(1,2270)	1:B:151:ILE:HG21	1:B:147:VAL:HG12	18	0.18
(1,2270)	1:B:151:ILE:HG21	1:B:147:VAL:HG13	18	0.18
(1,2270)	1:B:151:ILE:HG22	1:B:147:VAL:HG11	18	0.18
(1,2270)	1:B:151:ILE:HG22	1:B:147:VAL:HG12	18	0.18
(1,2270)	1:B:151:ILE:HG22	1:B:147:VAL:HG13	18	0.18
(1,2270)	1:B:151:ILE:HG23	1:B:147:VAL:HG11	18	0.18
(1,2270)	1:B:151:ILE:HG23	1:B:147:VAL:HG12	18	0.18
(1,2270)	1:B:151:ILE:HG23	1:B:147:VAL:HG13	18	0.18
(1,2122)	1:B:167:VAL:H	1:B:167:VAL:HB	4	0.18
(1,2023)	1:B:151:ILE:H	1:B:151:ILE:HB	3	0.18
(1,2023)	1:B:151:ILE:H	1:B:151:ILE:HB	7	0.18
(1,2023)	1:B:151:ILE:H	1:B:151:ILE:HB	9	0.18
(1,2023)	1:B:151:ILE:H	1:B:151:ILE:HB	10	0.18
(1,2023)	1:B:151:ILE:H	1:B:151:ILE:HB	20	0.18
(1,1834)	1:B:159:LYS:HA	1:B:107:CYS:HA	17	0.18
(1,182)	1:A:57:THR:HA	1:A:57:THR:HB	1	0.18
(1,182)	1:A:57:THR:HA	1:A:57:THR:HB	5	0.18
(1,182)	1:A:57:THR:HA	1:A:57:THR:HB	6	0.18
(1,182)	1:A:57:THR:HA	1:A:57:THR:HB	10	0.18
(1,182)	1:A:57:THR:HA	1:A:57:THR:HB	11	0.18
(1,182)	1:A:57:THR:HA	1:A:57:THR:HB	12	0.18
(1,182)	1:A:57:THR:HA	1:A:57:THR:HB	13	0.18
(1,182)	1:A:57:THR:HA	1:A:57:THR:HB	15	0.18
(1,182)	1:A:57:THR:HA	1:A:57:THR:HB	17	0.18
(1,1801)	1:B:113:VAL:HG21	1:B:118:GLN:HA	19	0.18
(1,1801)	1:B:113:VAL:HG22	1:B:118:GLN:HA	19	0.18
(1,1801)	1:B:113:VAL:HG23	1:B:118:GLN:HA	19	0.18
(1,1799)	1:B:175:LYS:HG2	1:B:174:ILE:HA	11	0.18
(1,1799)	1:B:175:LYS:HG3	1:B:174:ILE:HA	11	0.18
(1,1748)	1:B:146:THR:HA	1:B:146:THR:HB	2	0.18
(1,1748)	1:B:146:THR:HA	1:B:146:THR:HB	3	0.18
(1,1748)	1:B:146:THR:HA	1:B:146:THR:HB	10	0.18
(1,1748)	1:B:146:THR:HA	1:B:146:THR:HB	12	0.18
(1,1748)	1:B:146:THR:HA	1:B:146:THR:HB	14	0.18
(1,1748)	1:B:146:THR:HA	1:B:146:THR:HB	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1748)	1:B:146:THR:HA	1:B:146:THR:HB	17	0.18
(1,1748)	1:B:146:THR:HA	1:B:146:THR:HB	20	0.18
(1,1739)	1:B:119:PRO:HG2	1:B:148:THR:HA	16	0.18
(1,1739)	1:B:119:PRO:HG3	1:B:148:THR:HA	16	0.18
(1,1739)	1:B:119:PRO:HG2	1:B:148:THR:HA	18	0.18
(1,1739)	1:B:119:PRO:HG3	1:B:148:THR:HA	18	0.18
(1,1734)	1:B:144:ILE:HD11	1:B:139:LEU:HD11	12	0.18
(1,1734)	1:B:144:ILE:HD11	1:B:139:LEU:HD12	12	0.18
(1,1734)	1:B:144:ILE:HD11	1:B:139:LEU:HD13	12	0.18
(1,1734)	1:B:144:ILE:HD12	1:B:139:LEU:HD11	12	0.18
(1,1734)	1:B:144:ILE:HD12	1:B:139:LEU:HD12	12	0.18
(1,1734)	1:B:144:ILE:HD12	1:B:139:LEU:HD13	12	0.18
(1,1734)	1:B:144:ILE:HD13	1:B:139:LEU:HD11	12	0.18
(1,1734)	1:B:144:ILE:HD13	1:B:139:LEU:HD12	12	0.18
(1,1734)	1:B:144:ILE:HD13	1:B:139:LEU:HD13	12	0.18
(1,173)	1:A:30:PRO:HG2	1:A:59:THR:HA	8	0.18
(1,173)	1:A:30:PRO:HG3	1:A:59:THR:HA	8	0.18
(1,1555)	1:A:87:LYS:HB2	1:A:84:LYS:H	1	0.18
(1,1555)	1:A:87:LYS:HB3	1:A:84:LYS:H	1	0.18
(1,1555)	1:A:87:LYS:HB2	1:A:84:LYS:H	4	0.18
(1,1555)	1:A:87:LYS:HB3	1:A:84:LYS:H	4	0.18
(1,1555)	1:A:87:LYS:HB2	1:A:84:LYS:H	6	0.18
(1,1555)	1:A:87:LYS:HB3	1:A:84:LYS:H	6	0.18
(1,1555)	1:A:87:LYS:HB2	1:A:84:LYS:H	10	0.18
(1,1555)	1:A:87:LYS:HB3	1:A:84:LYS:H	10	0.18
(1,1376)	1:A:42:LYS:H	1:A:43:ASP:H	15	0.18
(1,1275)	1:A:43:ASP:H	1:A:42:LYS:H	15	0.18
(2,8)	1:A:5:LYS:HG2	1:B:141:VAL:HA	7	0.17
(2,8)	1:A:5:LYS:HG3	1:B:141:VAL:HA	7	0.17
(2,8)	1:A:5:LYS:HG2	1:B:141:VAL:HA	17	0.17
(2,8)	1:A:5:LYS:HG3	1:B:141:VAL:HA	17	0.17
(2,6)	1:A:39:LEU:HG	1:B:128:LEU:HB2	15	0.17
(2,6)	1:A:39:LEU:HG	1:B:128:LEU:HB3	15	0.17
(2,3)	1:A:3:ALA:H	1:B:143:GLY:HA2	8	0.17
(2,3)	1:A:3:ALA:H	1:B:143:GLY:HA3	8	0.17
(2,3)	1:A:3:ALA:H	1:B:143:GLY:HA2	20	0.17
(2,3)	1:A:3:ALA:H	1:B:143:GLY:HA3	20	0.17
(2,15)	1:B:94:LYS:HG2	1:A:52:VAL:HA	8	0.17
(2,15)	1:B:94:LYS:HG3	1:A:52:VAL:HA	8	0.17
(2,15)	1:B:94:LYS:HG2	1:A:52:VAL:HA	10	0.17
(2,15)	1:B:94:LYS:HG3	1:A:52:VAL:HA	10	0.17
(1,961)	1:A:51:ASP:H	1:A:50:LEU:HD11	18	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,961)	1:A:51:ASP:H	1:A:50:LEU:HD12	18	0.17
(1,961)	1:A:51:ASP:H	1:A:50:LEU:HD13	18	0.17
(1,940)	1:A:42:LYS:H	1:A:42:LYS:HD2	1	0.17
(1,940)	1:A:42:LYS:H	1:A:42:LYS:HD3	1	0.17
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB1	5	0.17
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB2	5	0.17
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB3	5	0.17
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB1	5	0.17
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB2	5	0.17
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB3	5	0.17
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB1	5	0.17
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB2	5	0.17
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB3	5	0.17
(1,763)	1:A:10:LYS:HD2	1:A:7:ALA:HB1	6	0.17
(1,763)	1:A:10:LYS:HD2	1:A:7:ALA:HB2	6	0.17
(1,763)	1:A:10:LYS:HD2	1:A:7:ALA:HB3	6	0.17
(1,763)	1:A:10:LYS:HD3	1:A:7:ALA:HB1	6	0.17
(1,763)	1:A:10:LYS:HD3	1:A:7:ALA:HB2	6	0.17
(1,763)	1:A:10:LYS:HD3	1:A:7:ALA:HB3	6	0.17
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG21	16	0.17
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG22	16	0.17
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG23	16	0.17
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD11	5	0.17
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD12	5	0.17
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD13	5	0.17
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD11	3	0.17
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD12	3	0.17
(1,681)	1:A:39:LEU:H	1:A:39:LEU:HD13	3	0.17
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG11	5	0.17
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG12	5	0.17
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG13	5	0.17
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG11	5	0.17
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG12	5	0.17
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG13	5	0.17
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG11	5	0.17
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG12	5	0.17
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG13	5	0.17
(1,670)	1:A:39:LEU:HD11	1:A:42:LYS:HG2	9	0.17
(1,670)	1:A:39:LEU:HD11	1:A:42:LYS:HG3	9	0.17
(1,670)	1:A:39:LEU:HD12	1:A:42:LYS:HG2	9	0.17
(1,670)	1:A:39:LEU:HD12	1:A:42:LYS:HG3	9	0.17
(1,670)	1:A:39:LEU:HD13	1:A:42:LYS:HG2	9	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,670)	1:A:39:LEU:HD13	1:A:42:LYS:HG3	9	0.17
(1,474)	1:A:24:VAL:HG21	1:A:29:GLN:HG2	9	0.17
(1,474)	1:A:24:VAL:HG21	1:A:29:GLN:HG3	9	0.17
(1,474)	1:A:24:VAL:HG22	1:A:29:GLN:HG2	9	0.17
(1,474)	1:A:24:VAL:HG22	1:A:29:GLN:HG3	9	0.17
(1,474)	1:A:24:VAL:HG23	1:A:29:GLN:HG2	9	0.17
(1,474)	1:A:24:VAL:HG23	1:A:29:GLN:HG3	9	0.17
(1,467)	1:A:24:VAL:HG21	1:A:29:GLN:HG2	9	0.17
(1,467)	1:A:24:VAL:HG21	1:A:29:GLN:HG3	9	0.17
(1,467)	1:A:24:VAL:HG22	1:A:29:GLN:HG2	9	0.17
(1,467)	1:A:24:VAL:HG22	1:A:29:GLN:HG3	9	0.17
(1,467)	1:A:24:VAL:HG23	1:A:29:GLN:HG2	9	0.17
(1,467)	1:A:24:VAL:HG23	1:A:29:GLN:HG3	9	0.17
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG21	17	0.17
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG22	17	0.17
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG23	17	0.17
(1,3184)	1:A:28:PHE:HA	1:B:144:ILE:HG21	3	0.17
(1,3184)	1:A:28:PHE:HA	1:B:144:ILE:HG22	3	0.17
(1,3184)	1:A:28:PHE:HA	1:B:144:ILE:HG23	3	0.17
(1,3121)	1:B:176:LYS:HB2	1:B:173:LYS:H	2	0.17
(1,3121)	1:B:176:LYS:HB3	1:B:173:LYS:H	2	0.17
(1,3121)	1:B:176:LYS:HB2	1:B:173:LYS:H	6	0.17
(1,3121)	1:B:176:LYS:HB3	1:B:173:LYS:H	6	0.17
(1,3121)	1:B:176:LYS:HB2	1:B:173:LYS:H	7	0.17
(1,3121)	1:B:176:LYS:HB3	1:B:173:LYS:H	7	0.17
(1,3121)	1:B:176:LYS:HB2	1:B:173:LYS:H	20	0.17
(1,3121)	1:B:176:LYS:HB3	1:B:173:LYS:H	20	0.17
(1,2999)	1:B:104:SER:HA	1:B:104:SER:H	9	0.17
(1,2999)	1:B:104:SER:HA	1:B:104:SER:H	17	0.17
(1,2942)	1:B:131:LYS:H	1:B:132:ASP:H	20	0.17
(1,2928)	1:B:172:ASP:HB2	1:B:173:LYS:H	14	0.17
(1,2928)	1:B:172:ASP:HB3	1:B:173:LYS:H	14	0.17
(1,292)	1:A:78:VAL:HG21	1:A:37:GLU:HA	13	0.17
(1,292)	1:A:78:VAL:HG22	1:A:37:GLU:HA	13	0.17
(1,292)	1:A:78:VAL:HG23	1:A:37:GLU:HA	13	0.17
(1,2851)	1:B:175:LYS:HG2	1:B:176:LYS:H	12	0.17
(1,2851)	1:B:175:LYS:HG3	1:B:176:LYS:H	12	0.17
(1,2851)	1:B:175:LYS:HG2	1:B:176:LYS:H	16	0.17
(1,2851)	1:B:175:LYS:HG3	1:B:176:LYS:H	16	0.17
(1,2841)	1:B:132:ASP:H	1:B:131:LYS:H	20	0.17
(1,28)	1:A:68:GLN:H	1:A:65:ALA:HB1	3	0.17
(1,28)	1:A:68:GLN:H	1:A:65:ALA:HB2	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,28)	1:A:68:GLN:H	1:A:65:ALA:HB3	3	0.17
(1,28)	1:A:68:GLN:H	1:A:65:ALA:HB1	4	0.17
(1,28)	1:A:68:GLN:H	1:A:65:ALA:HB2	4	0.17
(1,28)	1:A:68:GLN:H	1:A:65:ALA:HB3	4	0.17
(1,2681)	1:B:138:VAL:HG11	1:B:139:LEU:H	17	0.17
(1,2681)	1:B:138:VAL:HG12	1:B:139:LEU:H	17	0.17
(1,2681)	1:B:138:VAL:HG13	1:B:139:LEU:H	17	0.17
(1,2681)	1:B:138:VAL:HG11	1:B:139:LEU:H	17	0.17
(1,2681)	1:B:138:VAL:HG12	1:B:139:LEU:H	17	0.17
(1,2681)	1:B:138:VAL:HG13	1:B:139:LEU:H	17	0.17
(1,2681)	1:B:138:VAL:HG11	1:B:139:LEU:H	17	0.17
(1,2681)	1:B:138:VAL:HG12	1:B:139:LEU:H	17	0.17
(1,2681)	1:B:138:VAL:HG13	1:B:139:LEU:H	17	0.17
(1,2646)	1:B:110:PHE:H	1:B:159:LYS:HA	5	0.17
(1,2646)	1:B:110:PHE:H	1:B:159:LYS:HA	20	0.17
(1,2589)	1:B:111:LEU:HD21	1:B:159:LYS:HB2	9	0.17
(1,2589)	1:B:111:LEU:HD21	1:B:159:LYS:HB3	9	0.17
(1,2589)	1:B:111:LEU:HD22	1:B:159:LYS:HB2	9	0.17
(1,2589)	1:B:111:LEU:HD22	1:B:159:LYS:HB3	9	0.17
(1,2589)	1:B:111:LEU:HD23	1:B:159:LYS:HB2	9	0.17
(1,2589)	1:B:111:LEU:HD23	1:B:159:LYS:HB3	9	0.17
(1,2546)	1:B:152:VAL:H	1:B:154:ALA:HB1	17	0.17
(1,2546)	1:B:152:VAL:H	1:B:154:ALA:HB2	17	0.17
(1,2546)	1:B:152:VAL:H	1:B:154:ALA:HB3	17	0.17
(1,233)	1:A:86:LYS:HG2	1:A:85:ILE:HA	6	0.17
(1,233)	1:A:86:LYS:HG3	1:A:85:ILE:HA	6	0.17
(1,233)	1:A:86:LYS:HG2	1:A:85:ILE:HA	8	0.17
(1,233)	1:A:86:LYS:HG3	1:A:85:ILE:HA	8	0.17
(1,233)	1:A:86:LYS:HG2	1:A:85:ILE:HA	11	0.17
(1,233)	1:A:86:LYS:HG3	1:A:85:ILE:HA	11	0.17
(1,233)	1:A:86:LYS:HG2	1:A:85:ILE:HA	18	0.17
(1,233)	1:A:86:LYS:HG3	1:A:85:ILE:HA	18	0.17
(1,2297)	1:B:144:ILE:HD11	1:B:122:VAL:HG21	4	0.17
(1,2297)	1:B:144:ILE:HD11	1:B:122:VAL:HG22	4	0.17
(1,2297)	1:B:144:ILE:HD11	1:B:122:VAL:HG23	4	0.17
(1,2297)	1:B:144:ILE:HD12	1:B:122:VAL:HG21	4	0.17
(1,2297)	1:B:144:ILE:HD12	1:B:122:VAL:HG22	4	0.17
(1,2297)	1:B:144:ILE:HD12	1:B:122:VAL:HG23	4	0.17
(1,2297)	1:B:144:ILE:HD13	1:B:122:VAL:HG21	4	0.17
(1,2297)	1:B:144:ILE:HD13	1:B:122:VAL:HG22	4	0.17
(1,2297)	1:B:144:ILE:HD13	1:B:122:VAL:HG23	4	0.17
(1,2270)	1:B:151:ILE:HG21	1:B:147:VAL:HG11	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2270)	1:B:151:ILE:HG21	1:B:147:VAL:HG12	5	0.17
(1,2270)	1:B:151:ILE:HG21	1:B:147:VAL:HG13	5	0.17
(1,2270)	1:B:151:ILE:HG22	1:B:147:VAL:HG11	5	0.17
(1,2270)	1:B:151:ILE:HG22	1:B:147:VAL:HG12	5	0.17
(1,2270)	1:B:151:ILE:HG22	1:B:147:VAL:HG13	5	0.17
(1,2270)	1:B:151:ILE:HG23	1:B:147:VAL:HG11	5	0.17
(1,2270)	1:B:151:ILE:HG23	1:B:147:VAL:HG12	5	0.17
(1,2270)	1:B:151:ILE:HG23	1:B:147:VAL:HG13	5	0.17
(1,2236)	1:B:128:LEU:HD11	1:B:131:LYS:HG2	1	0.17
(1,2236)	1:B:128:LEU:HD11	1:B:131:LYS:HG3	1	0.17
(1,2236)	1:B:128:LEU:HD12	1:B:131:LYS:HG2	1	0.17
(1,2236)	1:B:128:LEU:HD12	1:B:131:LYS:HG3	1	0.17
(1,2236)	1:B:128:LEU:HD13	1:B:131:LYS:HG2	1	0.17
(1,2236)	1:B:128:LEU:HD13	1:B:131:LYS:HG3	1	0.17
(1,2236)	1:B:128:LEU:HD11	1:B:131:LYS:HG2	15	0.17
(1,2236)	1:B:128:LEU:HD11	1:B:131:LYS:HG3	15	0.17
(1,2236)	1:B:128:LEU:HD12	1:B:131:LYS:HG2	15	0.17
(1,2236)	1:B:128:LEU:HD12	1:B:131:LYS:HG3	15	0.17
(1,2236)	1:B:128:LEU:HD13	1:B:131:LYS:HG2	15	0.17
(1,2236)	1:B:128:LEU:HD13	1:B:131:LYS:HG3	15	0.17
(1,2236)	1:B:128:LEU:HD11	1:B:131:LYS:HG2	19	0.17
(1,2236)	1:B:128:LEU:HD11	1:B:131:LYS:HG3	19	0.17
(1,2236)	1:B:128:LEU:HD12	1:B:131:LYS:HG2	19	0.17
(1,2236)	1:B:128:LEU:HD12	1:B:131:LYS:HG3	19	0.17
(1,2236)	1:B:128:LEU:HD13	1:B:131:LYS:HG2	19	0.17
(1,2236)	1:B:128:LEU:HD13	1:B:131:LYS:HG3	19	0.17
(1,2122)	1:B:167:VAL:H	1:B:167:VAL:HB	1	0.17
(1,2122)	1:B:167:VAL:H	1:B:167:VAL:HB	17	0.17
(1,2023)	1:B:151:ILE:H	1:B:151:ILE:HB	6	0.17
(1,2023)	1:B:151:ILE:H	1:B:151:ILE:HB	12	0.17
(1,2023)	1:B:151:ILE:H	1:B:151:ILE:HB	19	0.17
(1,1858)	1:B:167:VAL:HG21	1:B:126:GLU:HA	1	0.17
(1,1858)	1:B:167:VAL:HG22	1:B:126:GLU:HA	1	0.17
(1,1858)	1:B:167:VAL:HG23	1:B:126:GLU:HA	1	0.17
(1,182)	1:A:57:THR:HA	1:A:57:THR:HB	3	0.17
(1,182)	1:A:57:THR:HA	1:A:57:THR:HB	18	0.17
(1,182)	1:A:57:THR:HA	1:A:57:THR:HB	20	0.17
(1,1799)	1:B:175:LYS:HG2	1:B:174:ILE:HA	3	0.17
(1,1799)	1:B:175:LYS:HG3	1:B:174:ILE:HA	3	0.17
(1,1799)	1:B:175:LYS:HG2	1:B:174:ILE:HA	8	0.17
(1,1799)	1:B:175:LYS:HG3	1:B:174:ILE:HA	8	0.17
(1,1763)	1:B:140:ASP:H	1:B:141:VAL:HA	16	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1763)	1:B:140:ASP:H	1:B:141:VAL:HA	20	0.17
(1,1748)	1:B:146:THR:HA	1:B:146:THR:HB	5	0.17
(1,1748)	1:B:146:THR:HA	1:B:146:THR:HB	16	0.17
(1,1739)	1:B:119:PRO:HG2	1:B:148:THR:HA	4	0.17
(1,1739)	1:B:119:PRO:HG3	1:B:148:THR:HA	4	0.17
(1,1739)	1:B:119:PRO:HG2	1:B:148:THR:HA	13	0.17
(1,1739)	1:B:119:PRO:HG3	1:B:148:THR:HA	13	0.17
(1,1739)	1:B:119:PRO:HG2	1:B:148:THR:HA	17	0.17
(1,1739)	1:B:119:PRO:HG3	1:B:148:THR:HA	17	0.17
(1,173)	1:A:30:PRO:HG2	1:A:59:THR:HA	19	0.17
(1,173)	1:A:30:PRO:HG3	1:A:59:THR:HA	19	0.17
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG21	7	0.17
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG22	7	0.17
(1,1726)	1:B:111:LEU:HD11	1:B:156:THR:HG23	7	0.17
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG21	7	0.17
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG22	7	0.17
(1,1726)	1:B:111:LEU:HD12	1:B:156:THR:HG23	7	0.17
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG21	7	0.17
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG22	7	0.17
(1,1726)	1:B:111:LEU:HD13	1:B:156:THR:HG23	7	0.17
(1,1633)	1:B:127:ALA:HB1	1:B:124:PHE:HA	13	0.17
(1,1633)	1:B:127:ALA:HB2	1:B:124:PHE:HA	13	0.17
(1,1633)	1:B:127:ALA:HB3	1:B:124:PHE:HA	13	0.17
(1,1555)	1:A:87:LYS:HB2	1:A:84:LYS:H	3	0.17
(1,1555)	1:A:87:LYS:HB3	1:A:84:LYS:H	3	0.17
(1,1555)	1:A:87:LYS:HB2	1:A:84:LYS:H	8	0.17
(1,1555)	1:A:87:LYS:HB3	1:A:84:LYS:H	8	0.17
(1,1555)	1:A:87:LYS:HB2	1:A:84:LYS:H	9	0.17
(1,1555)	1:A:87:LYS:HB3	1:A:84:LYS:H	9	0.17
(1,1555)	1:A:87:LYS:HB2	1:A:84:LYS:H	13	0.17
(1,1555)	1:A:87:LYS:HB3	1:A:84:LYS:H	13	0.17
(1,1555)	1:A:87:LYS:HB2	1:A:84:LYS:H	14	0.17
(1,1555)	1:A:87:LYS:HB3	1:A:84:LYS:H	14	0.17
(1,1555)	1:A:87:LYS:HB2	1:A:84:LYS:H	15	0.17
(1,1555)	1:A:87:LYS:HB3	1:A:84:LYS:H	15	0.17
(1,1555)	1:A:87:LYS:HB2	1:A:84:LYS:H	20	0.17
(1,1555)	1:A:87:LYS:HB3	1:A:84:LYS:H	20	0.17
(1,1426)	1:A:39:LEU:HD11	1:A:39:LEU:H	3	0.17
(1,1426)	1:A:39:LEU:HD12	1:A:39:LEU:H	3	0.17
(1,1426)	1:A:39:LEU:HD13	1:A:39:LEU:H	3	0.17
(1,1387)	1:A:78:VAL:HG21	1:A:37:GLU:H	16	0.17
(1,1387)	1:A:78:VAL:HG22	1:A:37:GLU:H	16	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1387)	1:A:78:VAL:HG23	1:A:37:GLU:H	16	0.17
(1,1285)	1:A:86:LYS:HG2	1:A:87:LYS:H	14	0.17
(1,1285)	1:A:86:LYS:HG3	1:A:87:LYS:H	14	0.17
(2,4)	1:A:4:GLN:HE21	1:B:140:ASP:HB2	19	0.16
(2,4)	1:A:4:GLN:HE21	1:B:140:ASP:HB3	19	0.16
(2,4)	1:A:4:GLN:HE22	1:B:140:ASP:HB2	19	0.16
(2,4)	1:A:4:GLN:HE22	1:B:140:ASP:HB3	19	0.16
(1,952)	1:A:63:VAL:HG21	1:A:64:GLN:HG2	12	0.16
(1,952)	1:A:63:VAL:HG21	1:A:64:GLN:HG3	12	0.16
(1,952)	1:A:63:VAL:HG22	1:A:64:GLN:HG2	12	0.16
(1,952)	1:A:63:VAL:HG22	1:A:64:GLN:HG3	12	0.16
(1,952)	1:A:63:VAL:HG23	1:A:64:GLN:HG2	12	0.16
(1,952)	1:A:63:VAL:HG23	1:A:64:GLN:HG3	12	0.16
(1,940)	1:A:42:LYS:H	1:A:42:LYS:HD2	18	0.16
(1,940)	1:A:42:LYS:H	1:A:42:LYS:HD3	18	0.16
(1,893)	1:A:66:CYS:H	1:A:22:LEU:HD11	2	0.16
(1,893)	1:A:66:CYS:H	1:A:22:LEU:HD12	2	0.16
(1,893)	1:A:66:CYS:H	1:A:22:LEU:HD13	2	0.16
(1,769)	1:A:62:ILE:H	1:A:62:ILE:HG21	16	0.16
(1,769)	1:A:62:ILE:H	1:A:62:ILE:HG22	16	0.16
(1,769)	1:A:62:ILE:H	1:A:62:ILE:HG23	16	0.16
(1,769)	1:A:62:ILE:H	1:A:62:ILE:HG21	17	0.16
(1,769)	1:A:62:ILE:H	1:A:62:ILE:HG22	17	0.16
(1,769)	1:A:62:ILE:H	1:A:62:ILE:HG23	17	0.16
(1,747)	1:A:60:PRO:HA	1:A:63:VAL:HG21	8	0.16
(1,747)	1:A:60:PRO:HA	1:A:63:VAL:HG22	8	0.16
(1,747)	1:A:60:PRO:HA	1:A:63:VAL:HG23	8	0.16
(1,740)	1:A:36:ALA:HB1	1:A:78:VAL:HG21	20	0.16
(1,740)	1:A:36:ALA:HB1	1:A:78:VAL:HG22	20	0.16
(1,740)	1:A:36:ALA:HB1	1:A:78:VAL:HG23	20	0.16
(1,740)	1:A:36:ALA:HB2	1:A:78:VAL:HG21	20	0.16
(1,740)	1:A:36:ALA:HB2	1:A:78:VAL:HG22	20	0.16
(1,740)	1:A:36:ALA:HB2	1:A:78:VAL:HG23	20	0.16
(1,740)	1:A:36:ALA:HB3	1:A:78:VAL:HG21	20	0.16
(1,740)	1:A:36:ALA:HB3	1:A:78:VAL:HG22	20	0.16
(1,740)	1:A:36:ALA:HB3	1:A:78:VAL:HG23	20	0.16
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG21	15	0.16
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG22	15	0.16
(1,725)	1:A:58:VAL:HB	1:A:33:VAL:HG23	15	0.16
(1,646)	1:A:55:ILE:HG21	1:A:33:VAL:HG11	17	0.16
(1,646)	1:A:55:ILE:HG21	1:A:33:VAL:HG12	17	0.16
(1,646)	1:A:55:ILE:HG21	1:A:33:VAL:HG13	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,646)	1:A:55:ILE:HG22	1:A:33:VAL:HG11	17	0.16
(1,646)	1:A:55:ILE:HG22	1:A:33:VAL:HG12	17	0.16
(1,646)	1:A:55:ILE:HG22	1:A:33:VAL:HG13	17	0.16
(1,646)	1:A:55:ILE:HG23	1:A:33:VAL:HG11	17	0.16
(1,646)	1:A:55:ILE:HG23	1:A:33:VAL:HG12	17	0.16
(1,646)	1:A:55:ILE:HG23	1:A:33:VAL:HG13	17	0.16
(1,635)	1:A:22:LEU:H	1:A:22:LEU:HD21	10	0.16
(1,635)	1:A:22:LEU:H	1:A:22:LEU:HD22	10	0.16
(1,635)	1:A:22:LEU:H	1:A:22:LEU:HD23	10	0.16
(1,556)	1:A:78:VAL:H	1:A:78:VAL:HB	6	0.16
(1,556)	1:A:78:VAL:H	1:A:78:VAL:HB	8	0.16
(1,556)	1:A:78:VAL:H	1:A:78:VAL:HB	10	0.16
(1,556)	1:A:78:VAL:H	1:A:78:VAL:HB	13	0.16
(1,556)	1:A:78:VAL:H	1:A:78:VAL:HB	15	0.16
(1,497)	1:A:61:ALA:HA	1:A:81:GLU:HG2	13	0.16
(1,497)	1:A:61:ALA:HA	1:A:81:GLU:HG3	13	0.16
(1,474)	1:A:24:VAL:HG21	1:A:29:GLN:HG2	8	0.16
(1,474)	1:A:24:VAL:HG21	1:A:29:GLN:HG3	8	0.16
(1,474)	1:A:24:VAL:HG22	1:A:29:GLN:HG2	8	0.16
(1,474)	1:A:24:VAL:HG22	1:A:29:GLN:HG3	8	0.16
(1,474)	1:A:24:VAL:HG23	1:A:29:GLN:HG2	8	0.16
(1,474)	1:A:24:VAL:HG23	1:A:29:GLN:HG3	8	0.16
(1,467)	1:A:24:VAL:HG21	1:A:29:GLN:HG2	8	0.16
(1,467)	1:A:24:VAL:HG21	1:A:29:GLN:HG3	8	0.16
(1,467)	1:A:24:VAL:HG22	1:A:29:GLN:HG2	8	0.16
(1,467)	1:A:24:VAL:HG22	1:A:29:GLN:HG3	8	0.16
(1,467)	1:A:24:VAL:HG23	1:A:29:GLN:HG2	8	0.16
(1,467)	1:A:24:VAL:HG23	1:A:29:GLN:HG3	8	0.16
(1,410)	1:A:77:LYS:HA	1:A:77:LYS:HE2	19	0.16
(1,410)	1:A:77:LYS:HA	1:A:77:LYS:HE3	19	0.16
(1,366)	1:A:10:LYS:HD2	1:A:12:PRO:HD2	5	0.16
(1,366)	1:A:10:LYS:HD2	1:A:12:PRO:HD3	5	0.16
(1,366)	1:A:10:LYS:HD3	1:A:12:PRO:HD2	5	0.16
(1,366)	1:A:10:LYS:HD3	1:A:12:PRO:HD3	5	0.16
(1,3332)	1:B:139:LEU:HG	1:A:31:THR:H	5	0.16
(1,3332)	1:B:139:LEU:HG	1:A:31:THR:H	10	0.16
(1,3290)	1:B:97:ASP:H	1:A:49:VAL:HG11	7	0.16
(1,3290)	1:B:97:ASP:H	1:A:49:VAL:HG12	7	0.16
(1,3290)	1:B:97:ASP:H	1:A:49:VAL:HG13	7	0.16
(1,3283)	1:B:93:GLN:HB2	1:A:52:VAL:HG11	19	0.16
(1,3283)	1:B:93:GLN:HB2	1:A:52:VAL:HG12	19	0.16
(1,3283)	1:B:93:GLN:HB2	1:A:52:VAL:HG13	19	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3283)	1:B:93:GLN:HB3	1:A:52:VAL:HG11	19	0.16
(1,3283)	1:B:93:GLN:HB3	1:A:52:VAL:HG12	19	0.16
(1,3283)	1:B:93:GLN:HB3	1:A:52:VAL:HG13	19	0.16
(1,3220)	1:A:50:LEU:HG	1:B:120:THR:H	1	0.16
(1,3121)	1:B:176:LYS:HB2	1:B:173:LYS:H	1	0.16
(1,3121)	1:B:176:LYS:HB3	1:B:173:LYS:H	1	0.16
(1,3121)	1:B:176:LYS:HB2	1:B:173:LYS:H	8	0.16
(1,3121)	1:B:176:LYS:HB3	1:B:173:LYS:H	8	0.16
(1,3121)	1:B:176:LYS:HB2	1:B:173:LYS:H	11	0.16
(1,3121)	1:B:176:LYS:HB3	1:B:173:LYS:H	11	0.16
(1,3121)	1:B:176:LYS:HB2	1:B:173:LYS:H	17	0.16
(1,3121)	1:B:176:LYS:HB3	1:B:173:LYS:H	17	0.16
(1,3121)	1:B:176:LYS:HB2	1:B:173:LYS:H	19	0.16
(1,3121)	1:B:176:LYS:HB3	1:B:173:LYS:H	19	0.16
(1,306)	1:A:77:LYS:HG2	1:A:77:LYS:HA	5	0.16
(1,306)	1:A:77:LYS:HG3	1:A:77:LYS:HA	5	0.16
(1,2999)	1:B:104:SER:HA	1:B:104:SER:H	3	0.16
(1,2999)	1:B:104:SER:HA	1:B:104:SER:H	6	0.16
(1,2999)	1:B:104:SER:HA	1:B:104:SER:H	8	0.16
(1,2999)	1:B:104:SER:HA	1:B:104:SER:H	11	0.16
(1,2999)	1:B:104:SER:HA	1:B:104:SER:H	16	0.16
(1,2999)	1:B:104:SER:HA	1:B:104:SER:H	19	0.16
(1,2942)	1:B:131:LYS:H	1:B:132:ASP:H	7	0.16
(1,2942)	1:B:131:LYS:H	1:B:132:ASP:H	9	0.16
(1,2942)	1:B:131:LYS:H	1:B:132:ASP:H	14	0.16
(1,2937)	1:B:121:ALA:HA	1:B:125:ALA:H	12	0.16
(1,292)	1:A:78:VAL:HG21	1:A:37:GLU:HA	6	0.16
(1,292)	1:A:78:VAL:HG22	1:A:37:GLU:HA	6	0.16
(1,292)	1:A:78:VAL:HG23	1:A:37:GLU:HA	6	0.16
(1,2851)	1:B:175:LYS:HG2	1:B:176:LYS:H	2	0.16
(1,2851)	1:B:175:LYS:HG3	1:B:176:LYS:H	2	0.16
(1,2851)	1:B:175:LYS:HG2	1:B:176:LYS:H	3	0.16
(1,2851)	1:B:175:LYS:HG3	1:B:176:LYS:H	3	0.16
(1,2841)	1:B:132:ASP:H	1:B:131:LYS:H	7	0.16
(1,2841)	1:B:132:ASP:H	1:B:131:LYS:H	9	0.16
(1,2841)	1:B:132:ASP:H	1:B:131:LYS:H	14	0.16
(1,2815)	1:B:99:LYS:HA	1:B:99:LYS:H	2	0.16
(1,2815)	1:B:99:LYS:HA	1:B:99:LYS:H	15	0.16
(1,2646)	1:B:110:PHE:H	1:B:159:LYS:HA	2	0.16
(1,2646)	1:B:110:PHE:H	1:B:159:LYS:HA	9	0.16
(1,2589)	1:B:111:LEU:HD21	1:B:159:LYS:HB2	20	0.16
(1,2589)	1:B:111:LEU:HD21	1:B:159:LYS:HB3	20	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2589)	1:B:111:LEU:HD22	1:B:159:LYS:HB2	20	0.16
(1,2589)	1:B:111:LEU:HD22	1:B:159:LYS:HB3	20	0.16
(1,2589)	1:B:111:LEU:HD23	1:B:159:LYS:HB2	20	0.16
(1,2589)	1:B:111:LEU:HD23	1:B:159:LYS:HB3	20	0.16
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG21	15	0.16
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG22	15	0.16
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG23	15	0.16
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG21	15	0.16
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG22	15	0.16
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG23	15	0.16
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG21	15	0.16
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG22	15	0.16
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG23	15	0.16
(1,247)	1:A:22:LEU:HD21	1:A:70:LYS:HA	19	0.16
(1,247)	1:A:22:LEU:HD22	1:A:70:LYS:HA	19	0.16
(1,247)	1:A:22:LEU:HD23	1:A:70:LYS:HA	19	0.16
(1,233)	1:A:86:LYS:HG2	1:A:85:ILE:HA	4	0.16
(1,233)	1:A:86:LYS:HG3	1:A:85:ILE:HA	4	0.16
(1,233)	1:A:86:LYS:HG2	1:A:85:ILE:HA	5	0.16
(1,233)	1:A:86:LYS:HG3	1:A:85:ILE:HA	5	0.16
(1,233)	1:A:86:LYS:HG2	1:A:85:ILE:HA	13	0.16
(1,233)	1:A:86:LYS:HG3	1:A:85:ILE:HA	13	0.16
(1,233)	1:A:86:LYS:HG2	1:A:85:ILE:HA	16	0.16
(1,233)	1:A:86:LYS:HG3	1:A:85:ILE:HA	16	0.16
(1,2328)	1:B:166:LYS:HD2	1:B:161:ALA:HB1	9	0.16
(1,2328)	1:B:166:LYS:HD2	1:B:161:ALA:HB2	9	0.16
(1,2328)	1:B:166:LYS:HD2	1:B:161:ALA:HB3	9	0.16
(1,2328)	1:B:166:LYS:HD3	1:B:161:ALA:HB1	9	0.16
(1,2328)	1:B:166:LYS:HD3	1:B:161:ALA:HB2	9	0.16
(1,2328)	1:B:166:LYS:HD3	1:B:161:ALA:HB3	9	0.16
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG21	1	0.16
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG22	1	0.16
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG23	1	0.16
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG21	1	0.16
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG22	1	0.16
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG23	1	0.16
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG21	1	0.16
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG22	1	0.16
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG23	1	0.16
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG21	12	0.16
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG22	12	0.16
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG23	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG21	12	0.16
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG22	12	0.16
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG23	12	0.16
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG21	12	0.16
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG22	12	0.16
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG23	12	0.16
(1,2297)	1:B:144:ILE:HD11	1:B:122:VAL:HG21	19	0.16
(1,2297)	1:B:144:ILE:HD11	1:B:122:VAL:HG22	19	0.16
(1,2297)	1:B:144:ILE:HD11	1:B:122:VAL:HG23	19	0.16
(1,2297)	1:B:144:ILE:HD12	1:B:122:VAL:HG21	19	0.16
(1,2297)	1:B:144:ILE:HD12	1:B:122:VAL:HG22	19	0.16
(1,2297)	1:B:144:ILE:HD12	1:B:122:VAL:HG23	19	0.16
(1,2297)	1:B:144:ILE:HD13	1:B:122:VAL:HG21	19	0.16
(1,2297)	1:B:144:ILE:HD13	1:B:122:VAL:HG22	19	0.16
(1,2297)	1:B:144:ILE:HD13	1:B:122:VAL:HG23	19	0.16
(1,2294)	1:B:126:GLU:HG2	1:B:122:VAL:HG21	14	0.16
(1,2294)	1:B:126:GLU:HG2	1:B:122:VAL:HG22	14	0.16
(1,2294)	1:B:126:GLU:HG2	1:B:122:VAL:HG23	14	0.16
(1,2294)	1:B:126:GLU:HG3	1:B:122:VAL:HG21	14	0.16
(1,2294)	1:B:126:GLU:HG3	1:B:122:VAL:HG22	14	0.16
(1,2294)	1:B:126:GLU:HG3	1:B:122:VAL:HG23	14	0.16
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD11	14	0.16
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD12	14	0.16
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD13	14	0.16
(1,2270)	1:B:151:ILE:HG21	1:B:147:VAL:HG11	14	0.16
(1,2270)	1:B:151:ILE:HG21	1:B:147:VAL:HG12	14	0.16
(1,2270)	1:B:151:ILE:HG21	1:B:147:VAL:HG13	14	0.16
(1,2270)	1:B:151:ILE:HG22	1:B:147:VAL:HG11	14	0.16
(1,2270)	1:B:151:ILE:HG22	1:B:147:VAL:HG12	14	0.16
(1,2270)	1:B:151:ILE:HG22	1:B:147:VAL:HG13	14	0.16
(1,2270)	1:B:151:ILE:HG23	1:B:147:VAL:HG11	14	0.16
(1,2270)	1:B:151:ILE:HG23	1:B:147:VAL:HG12	14	0.16
(1,2270)	1:B:151:ILE:HG23	1:B:147:VAL:HG13	14	0.16
(1,2236)	1:B:128:LEU:HD11	1:B:131:LYS:HG2	17	0.16
(1,2236)	1:B:128:LEU:HD11	1:B:131:LYS:HG3	17	0.16
(1,2236)	1:B:128:LEU:HD12	1:B:131:LYS:HG2	17	0.16
(1,2236)	1:B:128:LEU:HD12	1:B:131:LYS:HG3	17	0.16
(1,2236)	1:B:128:LEU:HD13	1:B:131:LYS:HG2	17	0.16
(1,2236)	1:B:128:LEU:HD13	1:B:131:LYS:HG3	17	0.16
(1,2101)	1:B:152:VAL:H	1:B:152:VAL:HB	17	0.16
(1,2023)	1:B:151:ILE:H	1:B:151:ILE:HB	11	0.16
(1,197)	1:A:51:ASP:H	1:A:52:VAL:HA	19	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,182)	1:A:57:THR:HA	1:A:57:THR:HB	2	0.16
(1,182)	1:A:57:THR:HA	1:A:57:THR:HB	14	0.16
(1,182)	1:A:57:THR:HA	1:A:57:THR:HB	16	0.16
(1,182)	1:A:57:THR:HA	1:A:57:THR:HB	19	0.16
(1,1799)	1:B:175:LYS:HG2	1:B:174:ILE:HA	16	0.16
(1,1799)	1:B:175:LYS:HG3	1:B:174:ILE:HA	16	0.16
(1,1799)	1:B:175:LYS:HG2	1:B:174:ILE:HA	19	0.16
(1,1799)	1:B:175:LYS:HG3	1:B:174:ILE:HA	19	0.16
(1,1763)	1:B:140:ASP:H	1:B:141:VAL:HA	4	0.16
(1,1748)	1:B:146:THR:HA	1:B:146:THR:HB	13	0.16
(1,1739)	1:B:119:PRO:HG2	1:B:148:THR:HA	5	0.16
(1,1739)	1:B:119:PRO:HG3	1:B:148:THR:HA	5	0.16
(1,1731)	1:B:167:VAL:HG11	1:B:151:ILE:HD11	6	0.16
(1,1731)	1:B:167:VAL:HG11	1:B:151:ILE:HD12	6	0.16
(1,1731)	1:B:167:VAL:HG11	1:B:151:ILE:HD13	6	0.16
(1,1731)	1:B:167:VAL:HG12	1:B:151:ILE:HD11	6	0.16
(1,1731)	1:B:167:VAL:HG12	1:B:151:ILE:HD12	6	0.16
(1,1731)	1:B:167:VAL:HG12	1:B:151:ILE:HD13	6	0.16
(1,1731)	1:B:167:VAL:HG13	1:B:151:ILE:HD11	6	0.16
(1,1731)	1:B:167:VAL:HG13	1:B:151:ILE:HD12	6	0.16
(1,1731)	1:B:167:VAL:HG13	1:B:151:ILE:HD13	6	0.16
(1,173)	1:A:30:PRO:HG2	1:A:59:THR:HA	4	0.16
(1,173)	1:A:30:PRO:HG3	1:A:59:THR:HA	4	0.16
(1,173)	1:A:30:PRO:HG2	1:A:59:THR:HA	6	0.16
(1,173)	1:A:30:PRO:HG3	1:A:59:THR:HA	6	0.16
(1,173)	1:A:30:PRO:HG2	1:A:59:THR:HA	13	0.16
(1,173)	1:A:30:PRO:HG3	1:A:59:THR:HA	13	0.16
(1,173)	1:A:30:PRO:HG2	1:A:59:THR:HA	14	0.16
(1,173)	1:A:30:PRO:HG3	1:A:59:THR:HA	14	0.16
(1,173)	1:A:30:PRO:HG2	1:A:59:THR:HA	16	0.16
(1,173)	1:A:30:PRO:HG3	1:A:59:THR:HA	16	0.16
(1,173)	1:A:30:PRO:HG2	1:A:59:THR:HA	17	0.16
(1,173)	1:A:30:PRO:HG3	1:A:59:THR:HA	17	0.16
(1,173)	1:A:30:PRO:HG2	1:A:59:THR:HA	18	0.16
(1,173)	1:A:30:PRO:HG3	1:A:59:THR:HA	18	0.16
(1,173)	1:A:30:PRO:HG2	1:A:59:THR:HA	20	0.16
(1,173)	1:A:30:PRO:HG3	1:A:59:THR:HA	20	0.16
(1,171)	1:A:33:VAL:HG21	1:A:58:VAL:HB	15	0.16
(1,171)	1:A:33:VAL:HG22	1:A:58:VAL:HB	15	0.16
(1,171)	1:A:33:VAL:HG23	1:A:58:VAL:HB	15	0.16
(1,1707)	1:B:144:ILE:HG12	1:B:122:VAL:HG21	3	0.16
(1,1707)	1:B:144:ILE:HG12	1:B:122:VAL:HG22	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1707)	1:B:144:ILE:HG12	1:B:122:VAL:HG23	3	0.16
(1,1707)	1:B:144:ILE:HG13	1:B:122:VAL:HG21	3	0.16
(1,1707)	1:B:144:ILE:HG13	1:B:122:VAL:HG22	3	0.16
(1,1707)	1:B:144:ILE:HG13	1:B:122:VAL:HG23	3	0.16
(1,1633)	1:B:127:ALA:HB1	1:B:124:PHE:HA	12	0.16
(1,1633)	1:B:127:ALA:HB2	1:B:124:PHE:HA	12	0.16
(1,1633)	1:B:127:ALA:HB3	1:B:124:PHE:HA	12	0.16
(1,1555)	1:A:87:LYS:HB2	1:A:84:LYS:H	11	0.16
(1,1555)	1:A:87:LYS:HB3	1:A:84:LYS:H	11	0.16
(1,1555)	1:A:87:LYS:HB2	1:A:84:LYS:H	12	0.16
(1,1555)	1:A:87:LYS:HB3	1:A:84:LYS:H	12	0.16
(1,1555)	1:A:87:LYS:HB2	1:A:84:LYS:H	17	0.16
(1,1555)	1:A:87:LYS:HB3	1:A:84:LYS:H	17	0.16
(1,1555)	1:A:87:LYS:HB2	1:A:84:LYS:H	19	0.16
(1,1555)	1:A:87:LYS:HB3	1:A:84:LYS:H	19	0.16
(1,1497)	1:A:22:LEU:HD21	1:A:22:LEU:H	10	0.16
(1,1497)	1:A:22:LEU:HD22	1:A:22:LEU:H	10	0.16
(1,1497)	1:A:22:LEU:HD23	1:A:22:LEU:H	10	0.16
(1,1433)	1:A:15:SER:HA	1:A:15:SER:H	1	0.16
(1,1433)	1:A:15:SER:HA	1:A:15:SER:H	4	0.16
(1,1433)	1:A:15:SER:HA	1:A:15:SER:H	7	0.16
(1,1433)	1:A:15:SER:HA	1:A:15:SER:H	11	0.16
(1,1433)	1:A:15:SER:HA	1:A:15:SER:H	12	0.16
(1,1433)	1:A:15:SER:HA	1:A:15:SER:H	15	0.16
(1,1433)	1:A:15:SER:HA	1:A:15:SER:H	16	0.16
(1,1433)	1:A:15:SER:HA	1:A:15:SER:H	17	0.16
(1,1371)	1:A:32:ALA:HA	1:A:36:ALA:H	19	0.16
(1,1249)	1:A:10:LYS:HA	1:A:10:LYS:H	11	0.16
(1,1227)	1:A:62:ILE:HG21	1:A:62:ILE:H	16	0.16
(1,1227)	1:A:62:ILE:HG22	1:A:62:ILE:H	16	0.16
(1,1227)	1:A:62:ILE:HG23	1:A:62:ILE:H	16	0.16
(1,1227)	1:A:62:ILE:HG21	1:A:62:ILE:H	17	0.16
(1,1227)	1:A:62:ILE:HG22	1:A:62:ILE:H	17	0.16
(1,1227)	1:A:62:ILE:HG23	1:A:62:ILE:H	17	0.16
(1,110)	1:A:60:PRO:HA	1:A:63:VAL:HG11	6	0.16
(1,110)	1:A:60:PRO:HA	1:A:63:VAL:HG12	6	0.16
(1,110)	1:A:60:PRO:HA	1:A:63:VAL:HG13	6	0.16
(2,3)	1:A:3:ALA:H	1:B:143:GLY:HA2	9	0.15
(2,3)	1:A:3:ALA:H	1:B:143:GLY:HA3	9	0.15
(2,3)	1:A:3:ALA:H	1:B:143:GLY:HA2	11	0.15
(2,3)	1:A:3:ALA:H	1:B:143:GLY:HA3	11	0.15
(2,15)	1:B:94:LYS:HG2	1:A:52:VAL:HA	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,15)	1:B:94:LYS:HG3	1:A:52:VAL:HA	12	0.15
(2,10)	1:B:92:ALA:H	1:A:54:GLY:HA2	4	0.15
(2,10)	1:B:92:ALA:H	1:A:54:GLY:HA3	4	0.15
(2,10)	1:B:92:ALA:H	1:A:54:GLY:HA2	6	0.15
(2,10)	1:B:92:ALA:H	1:A:54:GLY:HA3	6	0.15
(2,10)	1:B:92:ALA:H	1:A:54:GLY:HA2	15	0.15
(2,10)	1:B:92:ALA:H	1:A:54:GLY:HA3	15	0.15
(1,848)	1:A:77:LYS:H	1:A:74:PHE:HA	5	0.15
(1,769)	1:A:62:ILE:H	1:A:62:ILE:HG21	4	0.15
(1,769)	1:A:62:ILE:H	1:A:62:ILE:HG22	4	0.15
(1,769)	1:A:62:ILE:H	1:A:62:ILE:HG23	4	0.15
(1,769)	1:A:62:ILE:H	1:A:62:ILE:HG21	7	0.15
(1,769)	1:A:62:ILE:H	1:A:62:ILE:HG22	7	0.15
(1,769)	1:A:62:ILE:H	1:A:62:ILE:HG23	7	0.15
(1,769)	1:A:62:ILE:H	1:A:62:ILE:HG21	8	0.15
(1,769)	1:A:62:ILE:H	1:A:62:ILE:HG22	8	0.15
(1,769)	1:A:62:ILE:H	1:A:62:ILE:HG23	8	0.15
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD11	6	0.15
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD12	6	0.15
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD13	6	0.15
(1,702)	1:A:62:ILE:HG12	1:A:58:VAL:HG11	10	0.15
(1,702)	1:A:62:ILE:HG12	1:A:58:VAL:HG12	10	0.15
(1,702)	1:A:62:ILE:HG12	1:A:58:VAL:HG13	10	0.15
(1,702)	1:A:62:ILE:HG13	1:A:58:VAL:HG11	10	0.15
(1,702)	1:A:62:ILE:HG13	1:A:58:VAL:HG12	10	0.15
(1,702)	1:A:62:ILE:HG13	1:A:58:VAL:HG13	10	0.15
(1,70)	1:A:70:LYS:HD2	1:A:19:GLU:HA	9	0.15
(1,70)	1:A:70:LYS:HD3	1:A:19:GLU:HA	9	0.15
(1,679)	1:A:13:VAL:HG21	1:A:78:VAL:HG11	19	0.15
(1,679)	1:A:13:VAL:HG21	1:A:78:VAL:HG12	19	0.15
(1,679)	1:A:13:VAL:HG21	1:A:78:VAL:HG13	19	0.15
(1,679)	1:A:13:VAL:HG22	1:A:78:VAL:HG11	19	0.15
(1,679)	1:A:13:VAL:HG22	1:A:78:VAL:HG12	19	0.15
(1,679)	1:A:13:VAL:HG22	1:A:78:VAL:HG13	19	0.15
(1,679)	1:A:13:VAL:HG23	1:A:78:VAL:HG11	19	0.15
(1,679)	1:A:13:VAL:HG23	1:A:78:VAL:HG12	19	0.15
(1,679)	1:A:13:VAL:HG23	1:A:78:VAL:HG13	19	0.15
(1,646)	1:A:55:ILE:HG21	1:A:33:VAL:HG11	9	0.15
(1,646)	1:A:55:ILE:HG21	1:A:33:VAL:HG12	9	0.15
(1,646)	1:A:55:ILE:HG21	1:A:33:VAL:HG13	9	0.15
(1,646)	1:A:55:ILE:HG22	1:A:33:VAL:HG11	9	0.15
(1,646)	1:A:55:ILE:HG22	1:A:33:VAL:HG12	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,646)	1:A:55:ILE:HG22	1:A:33:VAL:HG13	9	0.15
(1,646)	1:A:55:ILE:HG23	1:A:33:VAL:HG11	9	0.15
(1,646)	1:A:55:ILE:HG23	1:A:33:VAL:HG12	9	0.15
(1,646)	1:A:55:ILE:HG23	1:A:33:VAL:HG13	9	0.15
(1,556)	1:A:78:VAL:H	1:A:78:VAL:HB	16	0.15
(1,501)	1:A:27:SER:H	1:A:26:GLU:HG2	13	0.15
(1,501)	1:A:27:SER:H	1:A:26:GLU:HG3	13	0.15
(1,501)	1:A:27:SER:H	1:A:26:GLU:HG2	19	0.15
(1,501)	1:A:27:SER:H	1:A:26:GLU:HG3	19	0.15
(1,497)	1:A:61:ALA:HA	1:A:81:GLU:HG2	5	0.15
(1,497)	1:A:61:ALA:HA	1:A:81:GLU:HG3	5	0.15
(1,497)	1:A:61:ALA:HA	1:A:81:GLU:HG2	6	0.15
(1,497)	1:A:61:ALA:HA	1:A:81:GLU:HG3	6	0.15
(1,420)	1:A:24:VAL:HG21	1:A:25:ASP:HB2	17	0.15
(1,420)	1:A:24:VAL:HG21	1:A:25:ASP:HB3	17	0.15
(1,420)	1:A:24:VAL:HG22	1:A:25:ASP:HB2	17	0.15
(1,420)	1:A:24:VAL:HG22	1:A:25:ASP:HB3	17	0.15
(1,420)	1:A:24:VAL:HG23	1:A:25:ASP:HB2	17	0.15
(1,420)	1:A:24:VAL:HG23	1:A:25:ASP:HB3	17	0.15
(1,3332)	1:B:139:LEU:HG	1:A:31:THR:H	8	0.15
(1,3312)	1:B:137:ALA:H	1:A:39:LEU:HG	4	0.15
(1,3312)	1:B:137:ALA:H	1:A:39:LEU:HG	15	0.15
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG21	11	0.15
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG22	11	0.15
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG23	11	0.15
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG21	16	0.15
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG22	16	0.15
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG23	16	0.15
(1,3290)	1:B:97:ASP:H	1:A:49:VAL:HG11	17	0.15
(1,3290)	1:B:97:ASP:H	1:A:49:VAL:HG12	17	0.15
(1,3290)	1:B:97:ASP:H	1:A:49:VAL:HG13	17	0.15
(1,3264)	1:B:101:PRO:HA	1:A:49:VAL:HB	17	0.15
(1,3236)	1:A:52:VAL:HG11	1:B:113:VAL:H	15	0.15
(1,3236)	1:A:52:VAL:HG12	1:B:113:VAL:H	15	0.15
(1,3236)	1:A:52:VAL:HG13	1:B:113:VAL:H	15	0.15
(1,3121)	1:B:176:LYS:HB2	1:B:173:LYS:H	4	0.15
(1,3121)	1:B:176:LYS:HB3	1:B:173:LYS:H	4	0.15
(1,3121)	1:B:176:LYS:HB2	1:B:173:LYS:H	5	0.15
(1,3121)	1:B:176:LYS:HB3	1:B:173:LYS:H	5	0.15
(1,3121)	1:B:176:LYS:HB2	1:B:173:LYS:H	13	0.15
(1,3121)	1:B:176:LYS:HB3	1:B:173:LYS:H	13	0.15
(1,3121)	1:B:176:LYS:HB2	1:B:173:LYS:H	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3121)	1:B:176:LYS:HB3	1:B:173:LYS:H	18	0.15
(1,2999)	1:B:104:SER:HA	1:B:104:SER:H	4	0.15
(1,2999)	1:B:104:SER:HA	1:B:104:SER:H	15	0.15
(1,2942)	1:B:131:LYS:H	1:B:132:ASP:H	10	0.15
(1,2942)	1:B:131:LYS:H	1:B:132:ASP:H	15	0.15
(1,2851)	1:B:175:LYS:HG2	1:B:176:LYS:H	8	0.15
(1,2851)	1:B:175:LYS:HG3	1:B:176:LYS:H	8	0.15
(1,2851)	1:B:175:LYS:HG2	1:B:176:LYS:H	11	0.15
(1,2851)	1:B:175:LYS:HG3	1:B:176:LYS:H	11	0.15
(1,2851)	1:B:175:LYS:HG2	1:B:176:LYS:H	17	0.15
(1,2851)	1:B:175:LYS:HG3	1:B:176:LYS:H	17	0.15
(1,2841)	1:B:132:ASP:H	1:B:131:LYS:H	10	0.15
(1,2841)	1:B:132:ASP:H	1:B:131:LYS:H	15	0.15
(1,2815)	1:B:99:LYS:HA	1:B:99:LYS:H	7	0.15
(1,2646)	1:B:110:PHE:H	1:B:159:LYS:HA	1	0.15
(1,2646)	1:B:110:PHE:H	1:B:159:LYS:HA	8	0.15
(1,2646)	1:B:110:PHE:H	1:B:159:LYS:HA	12	0.15
(1,2646)	1:B:110:PHE:H	1:B:159:LYS:HA	13	0.15
(1,2646)	1:B:110:PHE:H	1:B:159:LYS:HA	15	0.15
(1,2646)	1:B:110:PHE:H	1:B:159:LYS:HA	18	0.15
(1,2644)	1:B:175:LYS:HG2	1:B:176:LYS:HA	4	0.15
(1,2644)	1:B:175:LYS:HG3	1:B:176:LYS:HA	4	0.15
(1,2641)	1:B:175:LYS:HA	1:B:175:LYS:HD2	14	0.15
(1,2641)	1:B:175:LYS:HA	1:B:175:LYS:HD3	14	0.15
(1,2605)	1:B:166:LYS:HB2	1:B:163:PHE:HA	2	0.15
(1,2605)	1:B:166:LYS:HB3	1:B:163:PHE:HA	2	0.15
(1,2598)	1:B:159:LYS:HG2	1:B:160:GLN:HG2	18	0.15
(1,2598)	1:B:159:LYS:HG2	1:B:160:GLN:HG3	18	0.15
(1,2598)	1:B:159:LYS:HG3	1:B:160:GLN:HG2	18	0.15
(1,2598)	1:B:159:LYS:HG3	1:B:160:GLN:HG3	18	0.15
(1,2546)	1:B:152:VAL:H	1:B:154:ALA:HB1	15	0.15
(1,2546)	1:B:152:VAL:H	1:B:154:ALA:HB2	15	0.15
(1,2546)	1:B:152:VAL:H	1:B:154:ALA:HB3	15	0.15
(1,2518)	1:B:152:VAL:HG21	1:B:153:GLN:HG2	2	0.15
(1,2518)	1:B:152:VAL:HG21	1:B:153:GLN:HG3	2	0.15
(1,2518)	1:B:152:VAL:HG22	1:B:153:GLN:HG2	2	0.15
(1,2518)	1:B:152:VAL:HG22	1:B:153:GLN:HG3	2	0.15
(1,2518)	1:B:152:VAL:HG23	1:B:153:GLN:HG2	2	0.15
(1,2518)	1:B:152:VAL:HG23	1:B:153:GLN:HG3	2	0.15
(1,2459)	1:B:155:CYS:H	1:B:111:LEU:HD11	13	0.15
(1,2459)	1:B:155:CYS:H	1:B:111:LEU:HD12	13	0.15
(1,2459)	1:B:155:CYS:H	1:B:111:LEU:HD13	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,233)	1:A:86:LYS:HG2	1:A:85:ILE:HA	20	0.15
(1,233)	1:A:86:LYS:HG3	1:A:85:ILE:HA	20	0.15
(1,2329)	1:B:99:LYS:HD2	1:B:96:ALA:HB1	2	0.15
(1,2329)	1:B:99:LYS:HD2	1:B:96:ALA:HB2	2	0.15
(1,2329)	1:B:99:LYS:HD2	1:B:96:ALA:HB3	2	0.15
(1,2329)	1:B:99:LYS:HD3	1:B:96:ALA:HB1	2	0.15
(1,2329)	1:B:99:LYS:HD3	1:B:96:ALA:HB2	2	0.15
(1,2329)	1:B:99:LYS:HD3	1:B:96:ALA:HB3	2	0.15
(1,2329)	1:B:99:LYS:HD2	1:B:96:ALA:HB1	7	0.15
(1,2329)	1:B:99:LYS:HD2	1:B:96:ALA:HB2	7	0.15
(1,2329)	1:B:99:LYS:HD2	1:B:96:ALA:HB3	7	0.15
(1,2329)	1:B:99:LYS:HD3	1:B:96:ALA:HB1	7	0.15
(1,2329)	1:B:99:LYS:HD3	1:B:96:ALA:HB2	7	0.15
(1,2329)	1:B:99:LYS:HD3	1:B:96:ALA:HB3	7	0.15
(1,2329)	1:B:99:LYS:HD2	1:B:96:ALA:HB1	20	0.15
(1,2329)	1:B:99:LYS:HD2	1:B:96:ALA:HB2	20	0.15
(1,2329)	1:B:99:LYS:HD2	1:B:96:ALA:HB3	20	0.15
(1,2329)	1:B:99:LYS:HD3	1:B:96:ALA:HB1	20	0.15
(1,2329)	1:B:99:LYS:HD3	1:B:96:ALA:HB2	20	0.15
(1,2329)	1:B:99:LYS:HD3	1:B:96:ALA:HB3	20	0.15
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG21	4	0.15
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG22	4	0.15
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG23	4	0.15
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG21	4	0.15
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG22	4	0.15
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG23	4	0.15
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG21	4	0.15
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG22	4	0.15
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG23	4	0.15
(1,2212)	1:B:144:ILE:HG21	1:B:122:VAL:HG11	10	0.15
(1,2212)	1:B:144:ILE:HG21	1:B:122:VAL:HG12	10	0.15
(1,2212)	1:B:144:ILE:HG21	1:B:122:VAL:HG13	10	0.15
(1,2212)	1:B:144:ILE:HG22	1:B:122:VAL:HG11	10	0.15
(1,2212)	1:B:144:ILE:HG22	1:B:122:VAL:HG12	10	0.15
(1,2212)	1:B:144:ILE:HG22	1:B:122:VAL:HG13	10	0.15
(1,2212)	1:B:144:ILE:HG23	1:B:122:VAL:HG11	10	0.15
(1,2212)	1:B:144:ILE:HG23	1:B:122:VAL:HG12	10	0.15
(1,2212)	1:B:144:ILE:HG23	1:B:122:VAL:HG13	10	0.15
(1,2212)	1:B:144:ILE:HG21	1:B:122:VAL:HG11	11	0.15
(1,2212)	1:B:144:ILE:HG21	1:B:122:VAL:HG12	11	0.15
(1,2212)	1:B:144:ILE:HG21	1:B:122:VAL:HG13	11	0.15
(1,2212)	1:B:144:ILE:HG22	1:B:122:VAL:HG11	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2212)	1:B:144:ILE:HG22	1:B:122:VAL:HG12	11	0.15
(1,2212)	1:B:144:ILE:HG22	1:B:122:VAL:HG13	11	0.15
(1,2212)	1:B:144:ILE:HG23	1:B:122:VAL:HG11	11	0.15
(1,2212)	1:B:144:ILE:HG23	1:B:122:VAL:HG12	11	0.15
(1,2212)	1:B:144:ILE:HG23	1:B:122:VAL:HG13	11	0.15
(1,2122)	1:B:167:VAL:H	1:B:167:VAL:HB	13	0.15
(1,2101)	1:B:152:VAL:H	1:B:152:VAL:HB	5	0.15
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG2	20	0.15
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG3	20	0.15
(1,2063)	1:B:150:ALA:HA	1:B:170:GLU:HG2	4	0.15
(1,2063)	1:B:150:ALA:HA	1:B:170:GLU:HG3	4	0.15
(1,2063)	1:B:150:ALA:HA	1:B:170:GLU:HG2	5	0.15
(1,2063)	1:B:150:ALA:HA	1:B:170:GLU:HG3	5	0.15
(1,2023)	1:B:151:ILE:H	1:B:151:ILE:HB	15	0.15
(1,2023)	1:B:151:ILE:H	1:B:151:ILE:HB	17	0.15
(1,2007)	1:B:159:LYS:HA	1:B:110:PHE:HB2	3	0.15
(1,2007)	1:B:159:LYS:HA	1:B:110:PHE:HB3	3	0.15
(1,197)	1:A:51:ASP:H	1:A:52:VAL:HA	7	0.15
(1,1932)	1:B:99:LYS:HD2	1:B:101:PRO:HD2	9	0.15
(1,1932)	1:B:99:LYS:HD2	1:B:101:PRO:HD3	9	0.15
(1,1932)	1:B:99:LYS:HD3	1:B:101:PRO:HD2	9	0.15
(1,1932)	1:B:99:LYS:HD3	1:B:101:PRO:HD3	9	0.15
(1,182)	1:A:57:THR:HA	1:A:57:THR:HB	8	0.15
(1,1813)	1:B:111:LEU:HD21	1:B:159:LYS:HA	18	0.15
(1,1813)	1:B:111:LEU:HD22	1:B:159:LYS:HA	18	0.15
(1,1813)	1:B:111:LEU:HD23	1:B:159:LYS:HA	18	0.15
(1,1799)	1:B:175:LYS:HG2	1:B:174:ILE:HA	5	0.15
(1,1799)	1:B:175:LYS:HG3	1:B:174:ILE:HA	5	0.15
(1,1799)	1:B:175:LYS:HG2	1:B:174:ILE:HA	7	0.15
(1,1799)	1:B:175:LYS:HG3	1:B:174:ILE:HA	7	0.15
(1,1799)	1:B:175:LYS:HG2	1:B:174:ILE:HA	9	0.15
(1,1799)	1:B:175:LYS:HG3	1:B:174:ILE:HA	9	0.15
(1,1799)	1:B:175:LYS:HG2	1:B:174:ILE:HA	18	0.15
(1,1799)	1:B:175:LYS:HG3	1:B:174:ILE:HA	18	0.15
(1,1748)	1:B:146:THR:HA	1:B:146:THR:HB	4	0.15
(1,1739)	1:B:119:PRO:HG2	1:B:148:THR:HA	1	0.15
(1,1739)	1:B:119:PRO:HG3	1:B:148:THR:HA	1	0.15
(1,1739)	1:B:119:PRO:HG2	1:B:148:THR:HA	7	0.15
(1,1739)	1:B:119:PRO:HG3	1:B:148:THR:HA	7	0.15
(1,1739)	1:B:119:PRO:HG2	1:B:148:THR:HA	15	0.15
(1,1739)	1:B:119:PRO:HG3	1:B:148:THR:HA	15	0.15
(1,1739)	1:B:119:PRO:HG2	1:B:148:THR:HA	20	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1739)	1:B:119:PRO:HG3	1:B:148:THR:HA	20	0.15
(1,173)	1:A:30:PRO:HG2	1:A:59:THR:HA	1	0.15
(1,173)	1:A:30:PRO:HG3	1:A:59:THR:HA	1	0.15
(1,173)	1:A:30:PRO:HG2	1:A:59:THR:HA	7	0.15
(1,173)	1:A:30:PRO:HG3	1:A:59:THR:HA	7	0.15
(1,173)	1:A:30:PRO:HG2	1:A:59:THR:HA	9	0.15
(1,173)	1:A:30:PRO:HG3	1:A:59:THR:HA	9	0.15
(1,168)	1:A:55:ILE:HD11	1:A:50:LEU:HD11	19	0.15
(1,168)	1:A:55:ILE:HD11	1:A:50:LEU:HD12	19	0.15
(1,168)	1:A:55:ILE:HD11	1:A:50:LEU:HD13	19	0.15
(1,168)	1:A:55:ILE:HD12	1:A:50:LEU:HD11	19	0.15
(1,168)	1:A:55:ILE:HD12	1:A:50:LEU:HD12	19	0.15
(1,168)	1:A:55:ILE:HD12	1:A:50:LEU:HD13	19	0.15
(1,168)	1:A:55:ILE:HD13	1:A:50:LEU:HD11	19	0.15
(1,168)	1:A:55:ILE:HD13	1:A:50:LEU:HD12	19	0.15
(1,168)	1:A:55:ILE:HD13	1:A:50:LEU:HD13	19	0.15
(1,1633)	1:B:127:ALA:HB1	1:B:124:PHE:HA	7	0.15
(1,1633)	1:B:127:ALA:HB2	1:B:124:PHE:HA	7	0.15
(1,1633)	1:B:127:ALA:HB3	1:B:124:PHE:HA	7	0.15
(1,1555)	1:A:87:LYS:HB2	1:A:84:LYS:H	2	0.15
(1,1555)	1:A:87:LYS:HB3	1:A:84:LYS:H	2	0.15
(1,1555)	1:A:87:LYS:HB2	1:A:84:LYS:H	5	0.15
(1,1555)	1:A:87:LYS:HB3	1:A:84:LYS:H	5	0.15
(1,1481)	1:A:17:THR:H	1:A:16:TRP:H	11	0.15
(1,1433)	1:A:15:SER:HA	1:A:15:SER:H	3	0.15
(1,1433)	1:A:15:SER:HA	1:A:15:SER:H	6	0.15
(1,1433)	1:A:15:SER:HA	1:A:15:SER:H	8	0.15
(1,1433)	1:A:15:SER:HA	1:A:15:SER:H	18	0.15
(1,1433)	1:A:15:SER:HA	1:A:15:SER:H	19	0.15
(1,1433)	1:A:15:SER:HA	1:A:15:SER:H	20	0.15
(1,1376)	1:A:42:LYS:H	1:A:43:ASP:H	14	0.15
(1,1371)	1:A:32:ALA:HA	1:A:36:ALA:H	14	0.15
(1,1304)	1:A:41:ASN:HA	1:A:41:ASN:H	1	0.15
(1,1304)	1:A:41:ASN:HA	1:A:41:ASN:H	4	0.15
(1,1304)	1:A:41:ASN:HA	1:A:41:ASN:H	9	0.15
(1,1304)	1:A:41:ASN:HA	1:A:41:ASN:H	11	0.15
(1,1304)	1:A:41:ASN:HA	1:A:41:ASN:H	16	0.15
(1,1304)	1:A:41:ASN:HA	1:A:41:ASN:H	18	0.15
(1,1292)	1:A:7:ALA:HB1	1:A:9:ASN:H	1	0.15
(1,1292)	1:A:7:ALA:HB2	1:A:9:ASN:H	1	0.15
(1,1292)	1:A:7:ALA:HB3	1:A:9:ASN:H	1	0.15
(1,1285)	1:A:86:LYS:HG2	1:A:87:LYS:H	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1285)	1:A:86:LYS:HG3	1:A:87:LYS:H	2	0.15
(1,1285)	1:A:86:LYS:HG2	1:A:87:LYS:H	5	0.15
(1,1285)	1:A:86:LYS:HG3	1:A:87:LYS:H	5	0.15
(1,1275)	1:A:43:ASP:H	1:A:42:LYS:H	14	0.15
(1,1267)	1:A:61:ALA:HA	1:A:61:ALA:H	5	0.15
(1,1267)	1:A:61:ALA:HA	1:A:61:ALA:H	6	0.15
(1,1267)	1:A:61:ALA:HA	1:A:61:ALA:H	13	0.15
(1,1249)	1:A:10:LYS:HA	1:A:10:LYS:H	4	0.15
(1,1227)	1:A:62:ILE:HG21	1:A:62:ILE:H	4	0.15
(1,1227)	1:A:62:ILE:HG22	1:A:62:ILE:H	4	0.15
(1,1227)	1:A:62:ILE:HG23	1:A:62:ILE:H	4	0.15
(1,1227)	1:A:62:ILE:HG21	1:A:62:ILE:H	7	0.15
(1,1227)	1:A:62:ILE:HG22	1:A:62:ILE:H	7	0.15
(1,1227)	1:A:62:ILE:HG23	1:A:62:ILE:H	7	0.15
(1,1227)	1:A:62:ILE:HG21	1:A:62:ILE:H	8	0.15
(1,1227)	1:A:62:ILE:HG22	1:A:62:ILE:H	8	0.15
(1,1227)	1:A:62:ILE:HG23	1:A:62:ILE:H	8	0.15
(1,110)	1:A:60:PRO:HA	1:A:63:VAL:HG11	2	0.15
(1,110)	1:A:60:PRO:HA	1:A:63:VAL:HG12	2	0.15
(1,110)	1:A:60:PRO:HA	1:A:63:VAL:HG13	2	0.15
(2,5)	1:A:1:ALA:HB1	1:B:144:ILE:HD11	13	0.14
(2,5)	1:A:1:ALA:HB1	1:B:144:ILE:HD12	13	0.14
(2,5)	1:A:1:ALA:HB1	1:B:144:ILE:HD13	13	0.14
(2,5)	1:A:1:ALA:HB2	1:B:144:ILE:HD11	13	0.14
(2,5)	1:A:1:ALA:HB2	1:B:144:ILE:HD12	13	0.14
(2,5)	1:A:1:ALA:HB2	1:B:144:ILE:HD13	13	0.14
(2,5)	1:A:1:ALA:HB3	1:B:144:ILE:HD11	13	0.14
(2,5)	1:A:1:ALA:HB3	1:B:144:ILE:HD12	13	0.14
(2,5)	1:A:1:ALA:HB3	1:B:144:ILE:HD13	13	0.14
(2,4)	1:A:4:GLN:HE21	1:B:140:ASP:HB2	18	0.14
(2,4)	1:A:4:GLN:HE21	1:B:140:ASP:HB3	18	0.14
(2,4)	1:A:4:GLN:HE22	1:B:140:ASP:HB2	18	0.14
(2,4)	1:A:4:GLN:HE22	1:B:140:ASP:HB3	18	0.14
(2,3)	1:A:3:ALA:H	1:B:143:GLY:HA2	1	0.14
(2,3)	1:A:3:ALA:H	1:B:143:GLY:HA3	1	0.14
(2,15)	1:B:94:LYS:HG2	1:A:52:VAL:HA	2	0.14
(2,15)	1:B:94:LYS:HG3	1:A:52:VAL:HA	2	0.14
(2,12)	1:B:90:ALA:HB1	1:A:55:ILE:HD11	15	0.14
(2,12)	1:B:90:ALA:HB1	1:A:55:ILE:HD12	15	0.14
(2,12)	1:B:90:ALA:HB1	1:A:55:ILE:HD13	15	0.14
(2,12)	1:B:90:ALA:HB2	1:A:55:ILE:HD11	15	0.14
(2,12)	1:B:90:ALA:HB2	1:A:55:ILE:HD12	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,12)	1:B:90:ALA:HB2	1:A:55:ILE:HD13	15	0.14
(2,12)	1:B:90:ALA:HB3	1:A:55:ILE:HD11	15	0.14
(2,12)	1:B:90:ALA:HB3	1:A:55:ILE:HD12	15	0.14
(2,12)	1:B:90:ALA:HB3	1:A:55:ILE:HD13	15	0.14
(2,12)	1:B:90:ALA:HB1	1:A:55:ILE:HD11	19	0.14
(2,12)	1:B:90:ALA:HB1	1:A:55:ILE:HD12	19	0.14
(2,12)	1:B:90:ALA:HB1	1:A:55:ILE:HD13	19	0.14
(2,12)	1:B:90:ALA:HB2	1:A:55:ILE:HD11	19	0.14
(2,12)	1:B:90:ALA:HB2	1:A:55:ILE:HD12	19	0.14
(2,12)	1:B:90:ALA:HB2	1:A:55:ILE:HD13	19	0.14
(2,12)	1:B:90:ALA:HB3	1:A:55:ILE:HD11	19	0.14
(2,12)	1:B:90:ALA:HB3	1:A:55:ILE:HD12	19	0.14
(2,12)	1:B:90:ALA:HB3	1:A:55:ILE:HD13	19	0.14
(2,10)	1:B:92:ALA:H	1:A:54:GLY:HA2	11	0.14
(2,10)	1:B:92:ALA:H	1:A:54:GLY:HA3	11	0.14
(1,980)	1:A:63:VAL:H	1:A:65:ALA:HB1	11	0.14
(1,980)	1:A:63:VAL:H	1:A:65:ALA:HB2	11	0.14
(1,980)	1:A:63:VAL:H	1:A:65:ALA:HB3	11	0.14
(1,961)	1:A:51:ASP:H	1:A:50:LEU:HD11	2	0.14
(1,961)	1:A:51:ASP:H	1:A:50:LEU:HD12	2	0.14
(1,961)	1:A:51:ASP:H	1:A:50:LEU:HD13	2	0.14
(1,952)	1:A:63:VAL:HG21	1:A:64:GLN:HG2	8	0.14
(1,952)	1:A:63:VAL:HG21	1:A:64:GLN:HG3	8	0.14
(1,952)	1:A:63:VAL:HG22	1:A:64:GLN:HG2	8	0.14
(1,952)	1:A:63:VAL:HG22	1:A:64:GLN:HG3	8	0.14
(1,952)	1:A:63:VAL:HG23	1:A:64:GLN:HG2	8	0.14
(1,952)	1:A:63:VAL:HG23	1:A:64:GLN:HG3	8	0.14
(1,952)	1:A:63:VAL:HG21	1:A:64:GLN:HG2	9	0.14
(1,952)	1:A:63:VAL:HG21	1:A:64:GLN:HG3	9	0.14
(1,952)	1:A:63:VAL:HG22	1:A:64:GLN:HG2	9	0.14
(1,952)	1:A:63:VAL:HG22	1:A:64:GLN:HG3	9	0.14
(1,952)	1:A:63:VAL:HG23	1:A:64:GLN:HG2	9	0.14
(1,952)	1:A:63:VAL:HG23	1:A:64:GLN:HG3	9	0.14
(1,778)	1:A:68:GLN:HG2	1:A:65:ALA:HB1	9	0.14
(1,778)	1:A:68:GLN:HG2	1:A:65:ALA:HB2	9	0.14
(1,778)	1:A:68:GLN:HG2	1:A:65:ALA:HB3	9	0.14
(1,778)	1:A:68:GLN:HG3	1:A:65:ALA:HB1	9	0.14
(1,778)	1:A:68:GLN:HG3	1:A:65:ALA:HB2	9	0.14
(1,778)	1:A:68:GLN:HG3	1:A:65:ALA:HB3	9	0.14
(1,743)	1:A:79:LYS:H	1:A:78:VAL:HG21	20	0.14
(1,743)	1:A:79:LYS:H	1:A:78:VAL:HG22	20	0.14
(1,743)	1:A:79:LYS:H	1:A:78:VAL:HG23	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,740)	1:A:36:ALA:HB1	1:A:78:VAL:HG21	17	0.14
(1,740)	1:A:36:ALA:HB1	1:A:78:VAL:HG22	17	0.14
(1,740)	1:A:36:ALA:HB1	1:A:78:VAL:HG23	17	0.14
(1,740)	1:A:36:ALA:HB2	1:A:78:VAL:HG21	17	0.14
(1,740)	1:A:36:ALA:HB2	1:A:78:VAL:HG22	17	0.14
(1,740)	1:A:36:ALA:HB2	1:A:78:VAL:HG23	17	0.14
(1,740)	1:A:36:ALA:HB3	1:A:78:VAL:HG21	17	0.14
(1,740)	1:A:36:ALA:HB3	1:A:78:VAL:HG22	17	0.14
(1,740)	1:A:36:ALA:HB3	1:A:78:VAL:HG23	17	0.14
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD11	7	0.14
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD12	7	0.14
(1,709)	1:A:22:LEU:H	1:A:22:LEU:HD13	7	0.14
(1,670)	1:A:39:LEU:HD11	1:A:42:LYS:HG2	2	0.14
(1,670)	1:A:39:LEU:HD11	1:A:42:LYS:HG3	2	0.14
(1,670)	1:A:39:LEU:HD12	1:A:42:LYS:HG2	2	0.14
(1,670)	1:A:39:LEU:HD12	1:A:42:LYS:HG3	2	0.14
(1,670)	1:A:39:LEU:HD13	1:A:42:LYS:HG2	2	0.14
(1,670)	1:A:39:LEU:HD13	1:A:42:LYS:HG3	2	0.14
(1,649)	1:A:30:PRO:HA	1:A:33:VAL:HG11	12	0.14
(1,649)	1:A:30:PRO:HA	1:A:33:VAL:HG12	12	0.14
(1,649)	1:A:30:PRO:HA	1:A:33:VAL:HG13	12	0.14
(1,630)	1:A:22:LEU:HD21	1:A:70:LYS:HG2	10	0.14
(1,630)	1:A:22:LEU:HD21	1:A:70:LYS:HG3	10	0.14
(1,630)	1:A:22:LEU:HD22	1:A:70:LYS:HG2	10	0.14
(1,630)	1:A:22:LEU:HD22	1:A:70:LYS:HG3	10	0.14
(1,630)	1:A:22:LEU:HD23	1:A:70:LYS:HG2	10	0.14
(1,630)	1:A:22:LEU:HD23	1:A:70:LYS:HG3	10	0.14
(1,501)	1:A:27:SER:H	1:A:26:GLU:HG2	8	0.14
(1,501)	1:A:27:SER:H	1:A:26:GLU:HG3	8	0.14
(1,501)	1:A:27:SER:H	1:A:26:GLU:HG2	18	0.14
(1,501)	1:A:27:SER:H	1:A:26:GLU:HG3	18	0.14
(1,497)	1:A:61:ALA:HA	1:A:81:GLU:HG2	8	0.14
(1,497)	1:A:61:ALA:HA	1:A:81:GLU:HG3	8	0.14
(1,474)	1:A:24:VAL:HG21	1:A:29:GLN:HG2	6	0.14
(1,474)	1:A:24:VAL:HG21	1:A:29:GLN:HG3	6	0.14
(1,474)	1:A:24:VAL:HG22	1:A:29:GLN:HG2	6	0.14
(1,474)	1:A:24:VAL:HG22	1:A:29:GLN:HG3	6	0.14
(1,474)	1:A:24:VAL:HG23	1:A:29:GLN:HG2	6	0.14
(1,474)	1:A:24:VAL:HG23	1:A:29:GLN:HG3	6	0.14
(1,467)	1:A:24:VAL:HG21	1:A:29:GLN:HG2	6	0.14
(1,467)	1:A:24:VAL:HG21	1:A:29:GLN:HG3	6	0.14
(1,467)	1:A:24:VAL:HG22	1:A:29:GLN:HG2	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,467)	1:A:24:VAL:HG22	1:A:29:GLN:HG3	6	0.14
(1,467)	1:A:24:VAL:HG23	1:A:29:GLN:HG2	6	0.14
(1,467)	1:A:24:VAL:HG23	1:A:29:GLN:HG3	6	0.14
(1,457)	1:A:62:ILE:H	1:A:62:ILE:HB	1	0.14
(1,457)	1:A:62:ILE:H	1:A:62:ILE:HB	12	0.14
(1,408)	1:A:22:LEU:HD21	1:A:70:LYS:HE2	20	0.14
(1,408)	1:A:22:LEU:HD21	1:A:70:LYS:HE3	20	0.14
(1,408)	1:A:22:LEU:HD22	1:A:70:LYS:HE2	20	0.14
(1,408)	1:A:22:LEU:HD22	1:A:70:LYS:HE3	20	0.14
(1,408)	1:A:22:LEU:HD23	1:A:70:LYS:HE2	20	0.14
(1,408)	1:A:22:LEU:HD23	1:A:70:LYS:HE3	20	0.14
(1,341)	1:A:13:VAL:HG21	1:A:36:ALA:HA	7	0.14
(1,341)	1:A:13:VAL:HG22	1:A:36:ALA:HA	7	0.14
(1,341)	1:A:13:VAL:HG23	1:A:36:ALA:HA	7	0.14
(1,3332)	1:B:139:LEU:HG	1:A:31:THR:H	14	0.14
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG21	4	0.14
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG22	4	0.14
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG23	4	0.14
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG21	12	0.14
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG22	12	0.14
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG23	12	0.14
(1,327)	1:A:22:LEU:HG	1:A:22:LEU:HA	20	0.14
(1,3220)	1:A:50:LEU:HG	1:B:120:THR:H	15	0.14
(1,3220)	1:A:50:LEU:HG	1:B:120:THR:H	17	0.14
(1,3184)	1:A:28:PHE:HA	1:B:144:ILE:HG21	4	0.14
(1,3184)	1:A:28:PHE:HA	1:B:144:ILE:HG22	4	0.14
(1,3184)	1:A:28:PHE:HA	1:B:144:ILE:HG23	4	0.14
(1,3184)	1:A:28:PHE:HA	1:B:144:ILE:HG21	8	0.14
(1,3184)	1:A:28:PHE:HA	1:B:144:ILE:HG22	8	0.14
(1,3184)	1:A:28:PHE:HA	1:B:144:ILE:HG23	8	0.14
(1,3184)	1:A:28:PHE:HA	1:B:144:ILE:HG21	11	0.14
(1,3184)	1:A:28:PHE:HA	1:B:144:ILE:HG22	11	0.14
(1,3184)	1:A:28:PHE:HA	1:B:144:ILE:HG23	11	0.14
(1,3184)	1:A:28:PHE:HA	1:B:144:ILE:HG21	12	0.14
(1,3184)	1:A:28:PHE:HA	1:B:144:ILE:HG22	12	0.14
(1,3184)	1:A:28:PHE:HA	1:B:144:ILE:HG23	12	0.14
(1,3121)	1:B:176:LYS:HB2	1:B:173:LYS:H	3	0.14
(1,3121)	1:B:176:LYS:HB3	1:B:173:LYS:H	3	0.14
(1,3121)	1:B:176:LYS:HB2	1:B:173:LYS:H	10	0.14
(1,3121)	1:B:176:LYS:HB3	1:B:173:LYS:H	10	0.14
(1,3121)	1:B:176:LYS:HB2	1:B:173:LYS:H	15	0.14
(1,3121)	1:B:176:LYS:HB3	1:B:173:LYS:H	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2999)	1:B:104:SER:HA	1:B:104:SER:H	1	0.14
(1,2999)	1:B:104:SER:HA	1:B:104:SER:H	12	0.14
(1,2999)	1:B:104:SER:HA	1:B:104:SER:H	18	0.14
(1,2999)	1:B:104:SER:HA	1:B:104:SER:H	20	0.14
(1,2970)	1:B:156:THR:HA	1:B:156:THR:H	1	0.14
(1,2970)	1:B:156:THR:HA	1:B:156:THR:H	3	0.14
(1,2970)	1:B:156:THR:HA	1:B:156:THR:H	4	0.14
(1,2970)	1:B:156:THR:HA	1:B:156:THR:H	18	0.14
(1,2970)	1:B:156:THR:HA	1:B:156:THR:H	20	0.14
(1,2942)	1:B:131:LYS:H	1:B:132:ASP:H	1	0.14
(1,2942)	1:B:131:LYS:H	1:B:132:ASP:H	13	0.14
(1,2942)	1:B:131:LYS:H	1:B:132:ASP:H	17	0.14
(1,2942)	1:B:131:LYS:H	1:B:132:ASP:H	19	0.14
(1,2937)	1:B:121:ALA:HA	1:B:125:ALA:H	17	0.14
(1,292)	1:A:78:VAL:HG21	1:A:37:GLU:HA	16	0.14
(1,292)	1:A:78:VAL:HG22	1:A:37:GLU:HA	16	0.14
(1,292)	1:A:78:VAL:HG23	1:A:37:GLU:HA	16	0.14
(1,2870)	1:B:130:ASN:HA	1:B:130:ASN:H	7	0.14
(1,2851)	1:B:175:LYS:HG2	1:B:176:LYS:H	1	0.14
(1,2851)	1:B:175:LYS:HG3	1:B:176:LYS:H	1	0.14
(1,2851)	1:B:175:LYS:HG2	1:B:176:LYS:H	4	0.14
(1,2851)	1:B:175:LYS:HG3	1:B:176:LYS:H	4	0.14
(1,2851)	1:B:175:LYS:HG2	1:B:176:LYS:H	5	0.14
(1,2851)	1:B:175:LYS:HG3	1:B:176:LYS:H	5	0.14
(1,2851)	1:B:175:LYS:HG2	1:B:176:LYS:H	9	0.14
(1,2851)	1:B:175:LYS:HG3	1:B:176:LYS:H	9	0.14
(1,2851)	1:B:175:LYS:HG2	1:B:176:LYS:H	15	0.14
(1,2851)	1:B:175:LYS:HG3	1:B:176:LYS:H	15	0.14
(1,2841)	1:B:132:ASP:H	1:B:131:LYS:H	1	0.14
(1,2841)	1:B:132:ASP:H	1:B:131:LYS:H	13	0.14
(1,2841)	1:B:132:ASP:H	1:B:131:LYS:H	17	0.14
(1,2841)	1:B:132:ASP:H	1:B:131:LYS:H	19	0.14
(1,2815)	1:B:99:LYS:HA	1:B:99:LYS:H	5	0.14
(1,2815)	1:B:99:LYS:HA	1:B:99:LYS:H	13	0.14
(1,2815)	1:B:99:LYS:HA	1:B:99:LYS:H	14	0.14
(1,2793)	1:B:151:ILE:HG21	1:B:151:ILE:H	5	0.14
(1,2793)	1:B:151:ILE:HG22	1:B:151:ILE:H	5	0.14
(1,2793)	1:B:151:ILE:HG23	1:B:151:ILE:H	5	0.14
(1,2793)	1:B:151:ILE:HG21	1:B:151:ILE:H	18	0.14
(1,2793)	1:B:151:ILE:HG22	1:B:151:ILE:H	18	0.14
(1,2793)	1:B:151:ILE:HG23	1:B:151:ILE:H	18	0.14
(1,2646)	1:B:110:PHE:H	1:B:159:LYS:HA	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2646)	1:B:110:PHE:H	1:B:159:LYS:HA	10	0.14
(1,2644)	1:B:175:LYS:HG2	1:B:176:LYS:HA	3	0.14
(1,2644)	1:B:175:LYS:HG3	1:B:176:LYS:HA	3	0.14
(1,2644)	1:B:175:LYS:HG2	1:B:176:LYS:HA	10	0.14
(1,2644)	1:B:175:LYS:HG3	1:B:176:LYS:HA	10	0.14
(1,2641)	1:B:175:LYS:HA	1:B:175:LYS:HD2	4	0.14
(1,2641)	1:B:175:LYS:HA	1:B:175:LYS:HD3	4	0.14
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG21	11	0.14
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG22	11	0.14
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG23	11	0.14
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG21	11	0.14
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG22	11	0.14
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG23	11	0.14
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG21	11	0.14
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG22	11	0.14
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG23	11	0.14
(1,2546)	1:B:152:VAL:H	1:B:154:ALA:HB1	8	0.14
(1,2546)	1:B:152:VAL:H	1:B:154:ALA:HB2	8	0.14
(1,2546)	1:B:152:VAL:H	1:B:154:ALA:HB3	8	0.14
(1,2546)	1:B:152:VAL:H	1:B:154:ALA:HB1	9	0.14
(1,2546)	1:B:152:VAL:H	1:B:154:ALA:HB2	9	0.14
(1,2546)	1:B:152:VAL:H	1:B:154:ALA:HB3	9	0.14
(1,2511)	1:B:102:VAL:HG21	1:B:164:LYS:HD2	7	0.14
(1,2511)	1:B:102:VAL:HG21	1:B:164:LYS:HD3	7	0.14
(1,2511)	1:B:102:VAL:HG22	1:B:164:LYS:HD2	7	0.14
(1,2511)	1:B:102:VAL:HG22	1:B:164:LYS:HD3	7	0.14
(1,2511)	1:B:102:VAL:HG23	1:B:164:LYS:HD2	7	0.14
(1,2511)	1:B:102:VAL:HG23	1:B:164:LYS:HD3	7	0.14
(1,2511)	1:B:102:VAL:HG21	1:B:164:LYS:HD2	18	0.14
(1,2511)	1:B:102:VAL:HG21	1:B:164:LYS:HD3	18	0.14
(1,2511)	1:B:102:VAL:HG22	1:B:164:LYS:HD2	18	0.14
(1,2511)	1:B:102:VAL:HG22	1:B:164:LYS:HD3	18	0.14
(1,2511)	1:B:102:VAL:HG23	1:B:164:LYS:HD2	18	0.14
(1,2511)	1:B:102:VAL:HG23	1:B:164:LYS:HD3	18	0.14
(1,2422)	1:B:124:PHE:HB2	1:B:128:LEU:HD11	13	0.14
(1,2422)	1:B:124:PHE:HB2	1:B:128:LEU:HD12	13	0.14
(1,2422)	1:B:124:PHE:HB2	1:B:128:LEU:HD13	13	0.14
(1,2422)	1:B:124:PHE:HB3	1:B:128:LEU:HD11	13	0.14
(1,2422)	1:B:124:PHE:HB3	1:B:128:LEU:HD12	13	0.14
(1,2422)	1:B:124:PHE:HB3	1:B:128:LEU:HD13	13	0.14
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB1	3	0.14
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB2	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB3	3	0.14
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB1	3	0.14
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB2	3	0.14
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB3	3	0.14
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB1	3	0.14
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB2	3	0.14
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB3	3	0.14
(1,2335)	1:B:151:ILE:H	1:B:151:ILE:HG21	5	0.14
(1,2335)	1:B:151:ILE:H	1:B:151:ILE:HG22	5	0.14
(1,2335)	1:B:151:ILE:H	1:B:151:ILE:HG23	5	0.14
(1,2335)	1:B:151:ILE:H	1:B:151:ILE:HG21	18	0.14
(1,2335)	1:B:151:ILE:H	1:B:151:ILE:HG22	18	0.14
(1,2335)	1:B:151:ILE:H	1:B:151:ILE:HG23	18	0.14
(1,233)	1:A:86:LYS:HG2	1:A:85:ILE:HA	7	0.14
(1,233)	1:A:86:LYS:HG3	1:A:85:ILE:HA	7	0.14
(1,233)	1:A:86:LYS:HG2	1:A:85:ILE:HA	12	0.14
(1,233)	1:A:86:LYS:HG3	1:A:85:ILE:HA	12	0.14
(1,233)	1:A:86:LYS:HG2	1:A:85:ILE:HA	14	0.14
(1,233)	1:A:86:LYS:HG3	1:A:85:ILE:HA	14	0.14
(1,233)	1:A:86:LYS:HG2	1:A:85:ILE:HA	15	0.14
(1,233)	1:A:86:LYS:HG3	1:A:85:ILE:HA	15	0.14
(1,2329)	1:B:99:LYS:HD2	1:B:96:ALA:HB1	14	0.14
(1,2329)	1:B:99:LYS:HD2	1:B:96:ALA:HB2	14	0.14
(1,2329)	1:B:99:LYS:HD2	1:B:96:ALA:HB3	14	0.14
(1,2329)	1:B:99:LYS:HD3	1:B:96:ALA:HB1	14	0.14
(1,2329)	1:B:99:LYS:HD3	1:B:96:ALA:HB2	14	0.14
(1,2329)	1:B:99:LYS:HD3	1:B:96:ALA:HB3	14	0.14
(1,2329)	1:B:99:LYS:HD2	1:B:96:ALA:HB1	15	0.14
(1,2329)	1:B:99:LYS:HD2	1:B:96:ALA:HB2	15	0.14
(1,2329)	1:B:99:LYS:HD2	1:B:96:ALA:HB3	15	0.14
(1,2329)	1:B:99:LYS:HD3	1:B:96:ALA:HB1	15	0.14
(1,2329)	1:B:99:LYS:HD3	1:B:96:ALA:HB2	15	0.14
(1,2329)	1:B:99:LYS:HD3	1:B:96:ALA:HB3	15	0.14
(1,2328)	1:B:166:LYS:HD2	1:B:161:ALA:HB1	14	0.14
(1,2328)	1:B:166:LYS:HD2	1:B:161:ALA:HB2	14	0.14
(1,2328)	1:B:166:LYS:HD2	1:B:161:ALA:HB3	14	0.14
(1,2328)	1:B:166:LYS:HD3	1:B:161:ALA:HB1	14	0.14
(1,2328)	1:B:166:LYS:HD3	1:B:161:ALA:HB2	14	0.14
(1,2328)	1:B:166:LYS:HD3	1:B:161:ALA:HB3	14	0.14
(1,2270)	1:B:151:ILE:HG21	1:B:147:VAL:HG11	1	0.14
(1,2270)	1:B:151:ILE:HG21	1:B:147:VAL:HG12	1	0.14
(1,2270)	1:B:151:ILE:HG21	1:B:147:VAL:HG13	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2270)	1:B:151:ILE:HG22	1:B:147:VAL:HG11	1	0.14
(1,2270)	1:B:151:ILE:HG22	1:B:147:VAL:HG12	1	0.14
(1,2270)	1:B:151:ILE:HG22	1:B:147:VAL:HG13	1	0.14
(1,2270)	1:B:151:ILE:HG23	1:B:147:VAL:HG11	1	0.14
(1,2270)	1:B:151:ILE:HG23	1:B:147:VAL:HG12	1	0.14
(1,2270)	1:B:151:ILE:HG23	1:B:147:VAL:HG13	1	0.14
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG11	3	0.14
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG12	3	0.14
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG13	3	0.14
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG11	3	0.14
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG12	3	0.14
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG13	3	0.14
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG11	3	0.14
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG12	3	0.14
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG13	3	0.14
(1,2245)	1:B:102:VAL:HG21	1:B:167:VAL:HG11	14	0.14
(1,2245)	1:B:102:VAL:HG21	1:B:167:VAL:HG12	14	0.14
(1,2245)	1:B:102:VAL:HG21	1:B:167:VAL:HG13	14	0.14
(1,2245)	1:B:102:VAL:HG22	1:B:167:VAL:HG11	14	0.14
(1,2245)	1:B:102:VAL:HG22	1:B:167:VAL:HG12	14	0.14
(1,2245)	1:B:102:VAL:HG22	1:B:167:VAL:HG13	14	0.14
(1,2245)	1:B:102:VAL:HG23	1:B:167:VAL:HG11	14	0.14
(1,2245)	1:B:102:VAL:HG23	1:B:167:VAL:HG12	14	0.14
(1,2245)	1:B:102:VAL:HG23	1:B:167:VAL:HG13	14	0.14
(1,2236)	1:B:128:LEU:HD11	1:B:131:LYS:HG2	7	0.14
(1,2236)	1:B:128:LEU:HD11	1:B:131:LYS:HG3	7	0.14
(1,2236)	1:B:128:LEU:HD12	1:B:131:LYS:HG2	7	0.14
(1,2236)	1:B:128:LEU:HD12	1:B:131:LYS:HG3	7	0.14
(1,2236)	1:B:128:LEU:HD13	1:B:131:LYS:HG2	7	0.14
(1,2236)	1:B:128:LEU:HD13	1:B:131:LYS:HG3	7	0.14
(1,2205)	1:B:152:VAL:HG11	1:B:118:GLN:HB2	20	0.14
(1,2205)	1:B:152:VAL:HG11	1:B:118:GLN:HB3	20	0.14
(1,2205)	1:B:152:VAL:HG12	1:B:118:GLN:HB2	20	0.14
(1,2205)	1:B:152:VAL:HG12	1:B:118:GLN:HB3	20	0.14
(1,2205)	1:B:152:VAL:HG13	1:B:118:GLN:HB2	20	0.14
(1,2205)	1:B:152:VAL:HG13	1:B:118:GLN:HB3	20	0.14
(1,2143)	1:B:102:VAL:H	1:B:102:VAL:HB	11	0.14
(1,2143)	1:B:102:VAL:H	1:B:102:VAL:HB	12	0.14
(1,2143)	1:B:102:VAL:H	1:B:102:VAL:HB	19	0.14
(1,2101)	1:B:152:VAL:H	1:B:152:VAL:HB	4	0.14
(1,2101)	1:B:152:VAL:H	1:B:152:VAL:HB	13	0.14
(1,2101)	1:B:152:VAL:H	1:B:152:VAL:HB	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG2	2	0.14
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG3	2	0.14
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG2	8	0.14
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG3	8	0.14
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG2	18	0.14
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG3	18	0.14
(1,2023)	1:B:151:ILE:H	1:B:151:ILE:HB	8	0.14
(1,197)	1:A:51:ASP:H	1:A:52:VAL:HA	17	0.14
(1,197)	1:A:51:ASP:H	1:A:52:VAL:HA	20	0.14
(1,1932)	1:B:99:LYS:HD2	1:B:101:PRO:HD2	11	0.14
(1,1932)	1:B:99:LYS:HD2	1:B:101:PRO:HD3	11	0.14
(1,1932)	1:B:99:LYS:HD3	1:B:101:PRO:HD2	11	0.14
(1,1932)	1:B:99:LYS:HD3	1:B:101:PRO:HD3	11	0.14
(1,1799)	1:B:175:LYS:HG2	1:B:174:ILE:HA	1	0.14
(1,1799)	1:B:175:LYS:HG3	1:B:174:ILE:HA	1	0.14
(1,1799)	1:B:175:LYS:HG2	1:B:174:ILE:HA	6	0.14
(1,1799)	1:B:175:LYS:HG3	1:B:174:ILE:HA	6	0.14
(1,1799)	1:B:175:LYS:HG2	1:B:174:ILE:HA	14	0.14
(1,1799)	1:B:175:LYS:HG3	1:B:174:ILE:HA	14	0.14
(1,1799)	1:B:175:LYS:HG2	1:B:174:ILE:HA	20	0.14
(1,1799)	1:B:175:LYS:HG3	1:B:174:ILE:HA	20	0.14
(1,1763)	1:B:140:ASP:H	1:B:141:VAL:HA	5	0.14
(1,1763)	1:B:140:ASP:H	1:B:141:VAL:HA	15	0.14
(1,1739)	1:B:119:PRO:HG2	1:B:148:THR:HA	3	0.14
(1,1739)	1:B:119:PRO:HG3	1:B:148:THR:HA	3	0.14
(1,1739)	1:B:119:PRO:HG2	1:B:148:THR:HA	6	0.14
(1,1739)	1:B:119:PRO:HG3	1:B:148:THR:HA	6	0.14
(1,1739)	1:B:119:PRO:HG2	1:B:148:THR:HA	8	0.14
(1,1739)	1:B:119:PRO:HG3	1:B:148:THR:HA	8	0.14
(1,1739)	1:B:119:PRO:HG2	1:B:148:THR:HA	10	0.14
(1,1739)	1:B:119:PRO:HG3	1:B:148:THR:HA	10	0.14
(1,1739)	1:B:119:PRO:HG2	1:B:148:THR:HA	19	0.14
(1,1739)	1:B:119:PRO:HG3	1:B:148:THR:HA	19	0.14
(1,173)	1:A:30:PRO:HG2	1:A:59:THR:HA	5	0.14
(1,173)	1:A:30:PRO:HG3	1:A:59:THR:HA	5	0.14
(1,173)	1:A:30:PRO:HG2	1:A:59:THR:HA	15	0.14
(1,173)	1:A:30:PRO:HG3	1:A:59:THR:HA	15	0.14
(1,1594)	1:B:157:GLN:H	1:B:154:ALA:HB1	15	0.14
(1,1594)	1:B:157:GLN:H	1:B:154:ALA:HB2	15	0.14
(1,1594)	1:B:157:GLN:H	1:B:154:ALA:HB3	15	0.14
(1,1555)	1:A:87:LYS:HB2	1:A:84:LYS:H	7	0.14
(1,1555)	1:A:87:LYS:HB3	1:A:84:LYS:H	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1481)	1:A:17:THR:H	1:A:16:TRP:H	4	0.14
(1,1433)	1:A:15:SER:HA	1:A:15:SER:H	13	0.14
(1,1433)	1:A:15:SER:HA	1:A:15:SER:H	14	0.14
(1,1405)	1:A:67:THR:HG21	1:A:67:THR:H	9	0.14
(1,1405)	1:A:67:THR:HG22	1:A:67:THR:H	9	0.14
(1,1405)	1:A:67:THR:HG23	1:A:67:THR:H	9	0.14
(1,1404)	1:A:67:THR:HA	1:A:67:THR:H	7	0.14
(1,1404)	1:A:67:THR:HA	1:A:67:THR:H	8	0.14
(1,1376)	1:A:42:LYS:H	1:A:43:ASP:H	5	0.14
(1,1376)	1:A:42:LYS:H	1:A:43:ASP:H	10	0.14
(1,1371)	1:A:32:ALA:HA	1:A:36:ALA:H	6	0.14
(1,1304)	1:A:41:ASN:HA	1:A:41:ASN:H	10	0.14
(1,1304)	1:A:41:ASN:HA	1:A:41:ASN:H	15	0.14
(1,1304)	1:A:41:ASN:HA	1:A:41:ASN:H	17	0.14
(1,1304)	1:A:41:ASN:HA	1:A:41:ASN:H	20	0.14
(1,1303)	1:A:20:ASP:HA	1:A:20:ASP:H	7	0.14
(1,1285)	1:A:86:LYS:HG2	1:A:87:LYS:H	6	0.14
(1,1285)	1:A:86:LYS:HG3	1:A:87:LYS:H	6	0.14
(1,1285)	1:A:86:LYS:HG2	1:A:87:LYS:H	17	0.14
(1,1285)	1:A:86:LYS:HG3	1:A:87:LYS:H	17	0.14
(1,1276)	1:A:64:GLN:HA	1:A:64:GLN:H	18	0.14
(1,1275)	1:A:43:ASP:H	1:A:42:LYS:H	5	0.14
(1,1275)	1:A:43:ASP:H	1:A:42:LYS:H	10	0.14
(1,1267)	1:A:61:ALA:HA	1:A:61:ALA:H	2	0.14
(1,1267)	1:A:61:ALA:HA	1:A:61:ALA:H	7	0.14
(1,1267)	1:A:61:ALA:HA	1:A:61:ALA:H	8	0.14
(1,1267)	1:A:61:ALA:HA	1:A:61:ALA:H	14	0.14
(1,1267)	1:A:61:ALA:HA	1:A:61:ALA:H	15	0.14
(1,1267)	1:A:61:ALA:HA	1:A:61:ALA:H	16	0.14
(1,1267)	1:A:61:ALA:HA	1:A:61:ALA:H	19	0.14
(1,1249)	1:A:10:LYS:HA	1:A:10:LYS:H	1	0.14
(1,1249)	1:A:10:LYS:HA	1:A:10:LYS:H	19	0.14
(1,1186)	1:A:48:ALA:HA	1:A:48:ALA:H	6	0.14
(1,1186)	1:A:48:ALA:HA	1:A:48:ALA:H	12	0.14
(1,1182)	1:A:88:ASP:H	1:A:89:MET:H	11	0.14
(1,1115)	1:A:49:VAL:HG11	1:A:50:LEU:H	2	0.14
(1,1115)	1:A:49:VAL:HG12	1:A:50:LEU:H	2	0.14
(1,1115)	1:A:49:VAL:HG13	1:A:50:LEU:H	2	0.14
(1,1115)	1:A:49:VAL:HG11	1:A:50:LEU:H	2	0.14
(1,1115)	1:A:49:VAL:HG12	1:A:50:LEU:H	2	0.14
(1,1115)	1:A:49:VAL:HG13	1:A:50:LEU:H	2	0.14
(1,1115)	1:A:49:VAL:HG11	1:A:50:LEU:H	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1115)	1:A:49:VAL:HG12	1:A:50:LEU:H	2	0.14
(1,1115)	1:A:49:VAL:HG13	1:A:50:LEU:H	2	0.14
(1,1115)	1:A:49:VAL:HG11	1:A:50:LEU:H	15	0.14
(1,1115)	1:A:49:VAL:HG12	1:A:50:LEU:H	15	0.14
(1,1115)	1:A:49:VAL:HG13	1:A:50:LEU:H	15	0.14
(1,1115)	1:A:49:VAL:HG11	1:A:50:LEU:H	15	0.14
(1,1115)	1:A:49:VAL:HG12	1:A:50:LEU:H	15	0.14
(1,1115)	1:A:49:VAL:HG13	1:A:50:LEU:H	15	0.14
(1,1115)	1:A:49:VAL:HG11	1:A:50:LEU:H	15	0.14
(1,1115)	1:A:49:VAL:HG12	1:A:50:LEU:H	15	0.14
(1,1115)	1:A:49:VAL:HG13	1:A:50:LEU:H	15	0.14
(1,1091)	1:A:52:VAL:HG21	1:A:55:ILE:HD11	14	0.14
(1,1091)	1:A:52:VAL:HG21	1:A:55:ILE:HD12	14	0.14
(1,1091)	1:A:52:VAL:HG21	1:A:55:ILE:HD13	14	0.14
(1,1091)	1:A:52:VAL:HG22	1:A:55:ILE:HD11	14	0.14
(1,1091)	1:A:52:VAL:HG22	1:A:55:ILE:HD12	14	0.14
(1,1091)	1:A:52:VAL:HG22	1:A:55:ILE:HD13	14	0.14
(1,1091)	1:A:52:VAL:HG23	1:A:55:ILE:HD11	14	0.14
(1,1091)	1:A:52:VAL:HG23	1:A:55:ILE:HD12	14	0.14
(1,1091)	1:A:52:VAL:HG23	1:A:55:ILE:HD13	14	0.14
(1,1078)	1:A:86:LYS:HG2	1:A:87:LYS:HA	2	0.14
(1,1078)	1:A:86:LYS:HG3	1:A:87:LYS:HA	2	0.14
(1,1078)	1:A:86:LYS:HG2	1:A:87:LYS:HA	11	0.14
(1,1078)	1:A:86:LYS:HG3	1:A:87:LYS:HA	11	0.14
(1,1032)	1:A:70:LYS:HG2	1:A:71:GLN:HG2	7	0.14
(1,1032)	1:A:70:LYS:HG2	1:A:71:GLN:HG3	7	0.14
(1,1032)	1:A:70:LYS:HG3	1:A:71:GLN:HG2	7	0.14
(1,1032)	1:A:70:LYS:HG3	1:A:71:GLN:HG3	7	0.14
(1,1032)	1:A:70:LYS:HG2	1:A:71:GLN:HG2	16	0.14
(1,1032)	1:A:70:LYS:HG2	1:A:71:GLN:HG3	16	0.14
(1,1032)	1:A:70:LYS:HG3	1:A:71:GLN:HG2	16	0.14
(1,1032)	1:A:70:LYS:HG3	1:A:71:GLN:HG3	16	0.14
(1,1023)	1:A:22:LEU:HD21	1:A:70:LYS:HB2	11	0.14
(1,1023)	1:A:22:LEU:HD21	1:A:70:LYS:HB3	11	0.14
(1,1023)	1:A:22:LEU:HD22	1:A:70:LYS:HB2	11	0.14
(1,1023)	1:A:22:LEU:HD22	1:A:70:LYS:HB3	11	0.14
(1,1023)	1:A:22:LEU:HD23	1:A:70:LYS:HB2	11	0.14
(1,1023)	1:A:22:LEU:HD23	1:A:70:LYS:HB3	11	0.14
(1,1023)	1:A:22:LEU:HD21	1:A:70:LYS:HB2	12	0.14
(1,1023)	1:A:22:LEU:HD21	1:A:70:LYS:HB3	12	0.14
(1,1023)	1:A:22:LEU:HD22	1:A:70:LYS:HB2	12	0.14
(1,1023)	1:A:22:LEU:HD22	1:A:70:LYS:HB3	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1023)	1:A:22:LEU:HD23	1:A:70:LYS:HB2	12	0.14
(1,1023)	1:A:22:LEU:HD23	1:A:70:LYS:HB3	12	0.14
(2,3)	1:A:3:ALA:H	1:B:143:GLY:HA2	12	0.13
(2,3)	1:A:3:ALA:H	1:B:143:GLY:HA3	12	0.13
(2,3)	1:A:3:ALA:H	1:B:143:GLY:HA2	14	0.13
(2,3)	1:A:3:ALA:H	1:B:143:GLY:HA3	14	0.13
(2,3)	1:A:3:ALA:H	1:B:143:GLY:HA2	16	0.13
(2,3)	1:A:3:ALA:H	1:B:143:GLY:HA3	16	0.13
(2,15)	1:B:94:LYS:HG2	1:A:52:VAL:HA	3	0.13
(2,15)	1:B:94:LYS:HG3	1:A:52:VAL:HA	3	0.13
(2,13)	1:B:128:LEU:HG	1:A:39:LEU:HB2	4	0.13
(2,13)	1:B:128:LEU:HG	1:A:39:LEU:HB3	4	0.13
(2,13)	1:B:128:LEU:HG	1:A:39:LEU:HB2	8	0.13
(2,13)	1:B:128:LEU:HG	1:A:39:LEU:HB3	8	0.13
(2,10)	1:B:92:ALA:H	1:A:54:GLY:HA2	7	0.13
(2,10)	1:B:92:ALA:H	1:A:54:GLY:HA3	7	0.13
(1,980)	1:A:63:VAL:H	1:A:65:ALA:HB1	9	0.13
(1,980)	1:A:63:VAL:H	1:A:65:ALA:HB2	9	0.13
(1,980)	1:A:63:VAL:H	1:A:65:ALA:HB3	9	0.13
(1,980)	1:A:63:VAL:H	1:A:65:ALA:HB1	15	0.13
(1,980)	1:A:63:VAL:H	1:A:65:ALA:HB2	15	0.13
(1,980)	1:A:63:VAL:H	1:A:65:ALA:HB3	15	0.13
(1,980)	1:A:63:VAL:H	1:A:65:ALA:HB1	18	0.13
(1,980)	1:A:63:VAL:H	1:A:65:ALA:HB2	18	0.13
(1,980)	1:A:63:VAL:H	1:A:65:ALA:HB3	18	0.13
(1,940)	1:A:42:LYS:H	1:A:42:LYS:HD2	9	0.13
(1,940)	1:A:42:LYS:H	1:A:42:LYS:HD3	9	0.13
(1,893)	1:A:66:CYS:H	1:A:22:LEU:HD11	6	0.13
(1,893)	1:A:66:CYS:H	1:A:22:LEU:HD12	6	0.13
(1,893)	1:A:66:CYS:H	1:A:22:LEU:HD13	6	0.13
(1,769)	1:A:62:ILE:H	1:A:62:ILE:HG21	13	0.13
(1,769)	1:A:62:ILE:H	1:A:62:ILE:HG22	13	0.13
(1,769)	1:A:62:ILE:H	1:A:62:ILE:HG23	13	0.13
(1,763)	1:A:10:LYS:HD2	1:A:7:ALA:HB1	1	0.13
(1,763)	1:A:10:LYS:HD2	1:A:7:ALA:HB2	1	0.13
(1,763)	1:A:10:LYS:HD2	1:A:7:ALA:HB3	1	0.13
(1,763)	1:A:10:LYS:HD3	1:A:7:ALA:HB1	1	0.13
(1,763)	1:A:10:LYS:HD3	1:A:7:ALA:HB2	1	0.13
(1,763)	1:A:10:LYS:HD3	1:A:7:ALA:HB3	1	0.13
(1,730)	1:A:78:VAL:HG11	1:A:33:VAL:HG21	4	0.13
(1,730)	1:A:78:VAL:HG11	1:A:33:VAL:HG22	4	0.13
(1,730)	1:A:78:VAL:HG11	1:A:33:VAL:HG23	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,730)	1:A:78:VAL:HG12	1:A:33:VAL:HG21	4	0.13
(1,730)	1:A:78:VAL:HG12	1:A:33:VAL:HG22	4	0.13
(1,730)	1:A:78:VAL:HG12	1:A:33:VAL:HG23	4	0.13
(1,730)	1:A:78:VAL:HG13	1:A:33:VAL:HG21	4	0.13
(1,730)	1:A:78:VAL:HG13	1:A:33:VAL:HG22	4	0.13
(1,730)	1:A:78:VAL:HG13	1:A:33:VAL:HG23	4	0.13
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD11	20	0.13
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD12	20	0.13
(1,707)	1:A:29:GLN:HG2	1:A:22:LEU:HD13	20	0.13
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD11	20	0.13
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD12	20	0.13
(1,707)	1:A:29:GLN:HG3	1:A:22:LEU:HD13	20	0.13
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG11	3	0.13
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG12	3	0.13
(1,699)	1:A:59:THR:HG21	1:A:63:VAL:HG13	3	0.13
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG11	3	0.13
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG12	3	0.13
(1,699)	1:A:59:THR:HG22	1:A:63:VAL:HG13	3	0.13
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG11	3	0.13
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG12	3	0.13
(1,699)	1:A:59:THR:HG23	1:A:63:VAL:HG13	3	0.13
(1,512)	1:A:81:GLU:HA	1:A:84:LYS:HB2	6	0.13
(1,512)	1:A:81:GLU:HA	1:A:84:LYS:HB3	6	0.13
(1,501)	1:A:27:SER:H	1:A:26:GLU:HG2	2	0.13
(1,501)	1:A:27:SER:H	1:A:26:GLU:HG3	2	0.13
(1,501)	1:A:27:SER:H	1:A:26:GLU:HG2	4	0.13
(1,501)	1:A:27:SER:H	1:A:26:GLU:HG3	4	0.13
(1,501)	1:A:27:SER:H	1:A:26:GLU:HG2	7	0.13
(1,501)	1:A:27:SER:H	1:A:26:GLU:HG3	7	0.13
(1,501)	1:A:27:SER:H	1:A:26:GLU:HG2	11	0.13
(1,501)	1:A:27:SER:H	1:A:26:GLU:HG3	11	0.13
(1,501)	1:A:27:SER:H	1:A:26:GLU:HG2	12	0.13
(1,501)	1:A:27:SER:H	1:A:26:GLU:HG3	12	0.13
(1,501)	1:A:27:SER:H	1:A:26:GLU:HG2	17	0.13
(1,501)	1:A:27:SER:H	1:A:26:GLU:HG3	17	0.13
(1,501)	1:A:27:SER:H	1:A:26:GLU:HG2	20	0.13
(1,501)	1:A:27:SER:H	1:A:26:GLU:HG3	20	0.13
(1,497)	1:A:61:ALA:HA	1:A:81:GLU:HG2	16	0.13
(1,497)	1:A:61:ALA:HA	1:A:81:GLU:HG3	16	0.13
(1,474)	1:A:24:VAL:HG21	1:A:29:GLN:HG2	5	0.13
(1,474)	1:A:24:VAL:HG21	1:A:29:GLN:HG3	5	0.13
(1,474)	1:A:24:VAL:HG22	1:A:29:GLN:HG2	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,474)	1:A:24:VAL:HG22	1:A:29:GLN:HG3	5	0.13
(1,474)	1:A:24:VAL:HG23	1:A:29:GLN:HG2	5	0.13
(1,474)	1:A:24:VAL:HG23	1:A:29:GLN:HG3	5	0.13
(1,467)	1:A:24:VAL:HG21	1:A:29:GLN:HG2	5	0.13
(1,467)	1:A:24:VAL:HG21	1:A:29:GLN:HG3	5	0.13
(1,467)	1:A:24:VAL:HG22	1:A:29:GLN:HG2	5	0.13
(1,467)	1:A:24:VAL:HG22	1:A:29:GLN:HG3	5	0.13
(1,467)	1:A:24:VAL:HG23	1:A:29:GLN:HG2	5	0.13
(1,467)	1:A:24:VAL:HG23	1:A:29:GLN:HG3	5	0.13
(1,457)	1:A:62:ILE:H	1:A:62:ILE:HB	9	0.13
(1,457)	1:A:62:ILE:H	1:A:62:ILE:HB	20	0.13
(1,420)	1:A:24:VAL:HG21	1:A:25:ASP:HB2	18	0.13
(1,420)	1:A:24:VAL:HG21	1:A:25:ASP:HB3	18	0.13
(1,420)	1:A:24:VAL:HG22	1:A:25:ASP:HB2	18	0.13
(1,420)	1:A:24:VAL:HG22	1:A:25:ASP:HB3	18	0.13
(1,420)	1:A:24:VAL:HG23	1:A:25:ASP:HB2	18	0.13
(1,420)	1:A:24:VAL:HG23	1:A:25:ASP:HB3	18	0.13
(1,411)	1:A:85:ILE:HA	1:A:84:LYS:HE2	3	0.13
(1,411)	1:A:85:ILE:HA	1:A:84:LYS:HE3	3	0.13
(1,349)	1:A:62:ILE:H	1:A:61:ALA:HA	7	0.13
(1,349)	1:A:62:ILE:H	1:A:61:ALA:HA	12	0.13
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG21	13	0.13
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG22	13	0.13
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG23	13	0.13
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG21	14	0.13
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG22	14	0.13
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG23	14	0.13
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG21	20	0.13
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG22	20	0.13
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG23	20	0.13
(1,3264)	1:B:101:PRO:HA	1:A:49:VAL:HB	9	0.13
(1,3220)	1:A:50:LEU:HG	1:B:120:THR:H	2	0.13
(1,3220)	1:A:50:LEU:HG	1:B:120:THR:H	13	0.13
(1,3220)	1:A:50:LEU:HG	1:B:120:THR:H	20	0.13
(1,3178)	1:A:8:ASP:H	1:B:138:VAL:HG11	8	0.13
(1,3178)	1:A:8:ASP:H	1:B:138:VAL:HG12	8	0.13
(1,3178)	1:A:8:ASP:H	1:B:138:VAL:HG13	8	0.13
(1,3152)	1:A:12:PRO:HA	1:B:138:VAL:HB	15	0.13
(1,3121)	1:B:176:LYS:HB2	1:B:173:LYS:H	12	0.13
(1,3121)	1:B:176:LYS:HB3	1:B:173:LYS:H	12	0.13
(1,3047)	1:B:106:THR:H	1:B:105:TRP:H	16	0.13
(1,3003)	1:B:120:THR:HA	1:B:120:THR:H	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2999)	1:B:104:SER:HA	1:B:104:SER:H	2	0.13
(1,2999)	1:B:104:SER:HA	1:B:104:SER:H	5	0.13
(1,2999)	1:B:104:SER:HA	1:B:104:SER:H	7	0.13
(1,2999)	1:B:104:SER:HA	1:B:104:SER:H	10	0.13
(1,2989)	1:B:128:LEU:HA	1:B:128:LEU:H	5	0.13
(1,2989)	1:B:128:LEU:HA	1:B:128:LEU:H	8	0.13
(1,2989)	1:B:128:LEU:HA	1:B:128:LEU:H	10	0.13
(1,2989)	1:B:128:LEU:HA	1:B:128:LEU:H	13	0.13
(1,2989)	1:B:128:LEU:HA	1:B:128:LEU:H	16	0.13
(1,2970)	1:B:156:THR:HA	1:B:156:THR:H	5	0.13
(1,2970)	1:B:156:THR:HA	1:B:156:THR:H	8	0.13
(1,2970)	1:B:156:THR:HA	1:B:156:THR:H	9	0.13
(1,2970)	1:B:156:THR:HA	1:B:156:THR:H	10	0.13
(1,2970)	1:B:156:THR:HA	1:B:156:THR:H	11	0.13
(1,2970)	1:B:156:THR:HA	1:B:156:THR:H	12	0.13
(1,2970)	1:B:156:THR:HA	1:B:156:THR:H	13	0.13
(1,2970)	1:B:156:THR:HA	1:B:156:THR:H	15	0.13
(1,2970)	1:B:156:THR:HA	1:B:156:THR:H	16	0.13
(1,2970)	1:B:156:THR:HA	1:B:156:THR:H	17	0.13
(1,2962)	1:B:174:ILE:HA	1:B:174:ILE:H	14	0.13
(1,2942)	1:B:131:LYS:H	1:B:132:ASP:H	16	0.13
(1,2937)	1:B:121:ALA:HA	1:B:125:ALA:H	8	0.13
(1,2937)	1:B:121:ALA:HA	1:B:125:ALA:H	18	0.13
(1,2929)	1:B:173:LYS:HA	1:B:173:LYS:H	14	0.13
(1,2907)	1:B:97:ASP:HA	1:B:97:ASP:H	1	0.13
(1,2870)	1:B:130:ASN:HA	1:B:130:ASN:H	2	0.13
(1,2870)	1:B:130:ASN:HA	1:B:130:ASN:H	9	0.13
(1,2870)	1:B:130:ASN:HA	1:B:130:ASN:H	10	0.13
(1,2870)	1:B:130:ASN:HA	1:B:130:ASN:H	11	0.13
(1,2870)	1:B:130:ASN:HA	1:B:130:ASN:H	12	0.13
(1,2870)	1:B:130:ASN:HA	1:B:130:ASN:H	13	0.13
(1,2870)	1:B:130:ASN:HA	1:B:130:ASN:H	14	0.13
(1,2870)	1:B:130:ASN:HA	1:B:130:ASN:H	19	0.13
(1,2851)	1:B:175:LYS:HG2	1:B:176:LYS:H	6	0.13
(1,2851)	1:B:175:LYS:HG3	1:B:176:LYS:H	6	0.13
(1,2851)	1:B:175:LYS:HG2	1:B:176:LYS:H	7	0.13
(1,2851)	1:B:175:LYS:HG3	1:B:176:LYS:H	7	0.13
(1,2851)	1:B:175:LYS:HG2	1:B:176:LYS:H	13	0.13
(1,2851)	1:B:175:LYS:HG3	1:B:176:LYS:H	13	0.13
(1,2851)	1:B:175:LYS:HG2	1:B:176:LYS:H	19	0.13
(1,2851)	1:B:175:LYS:HG3	1:B:176:LYS:H	19	0.13
(1,2851)	1:B:175:LYS:HG2	1:B:176:LYS:H	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2851)	1:B:175:LYS:HG3	1:B:176:LYS:H	20	0.13
(1,2841)	1:B:132:ASP:H	1:B:131:LYS:H	16	0.13
(1,2815)	1:B:99:LYS:HA	1:B:99:LYS:H	3	0.13
(1,2815)	1:B:99:LYS:HA	1:B:99:LYS:H	6	0.13
(1,2815)	1:B:99:LYS:HA	1:B:99:LYS:H	10	0.13
(1,2793)	1:B:151:ILE:HG21	1:B:151:ILE:H	14	0.13
(1,2793)	1:B:151:ILE:HG22	1:B:151:ILE:H	14	0.13
(1,2793)	1:B:151:ILE:HG23	1:B:151:ILE:H	14	0.13
(1,2793)	1:B:151:ILE:HG21	1:B:151:ILE:H	16	0.13
(1,2793)	1:B:151:ILE:HG22	1:B:151:ILE:H	16	0.13
(1,2793)	1:B:151:ILE:HG23	1:B:151:ILE:H	16	0.13
(1,2752)	1:B:137:ALA:HA	1:B:137:ALA:H	2	0.13
(1,2752)	1:B:137:ALA:HA	1:B:137:ALA:H	11	0.13
(1,2752)	1:B:137:ALA:HA	1:B:137:ALA:H	12	0.13
(1,2752)	1:B:137:ALA:HA	1:B:137:ALA:H	13	0.13
(1,2752)	1:B:137:ALA:HA	1:B:137:ALA:H	17	0.13
(1,2752)	1:B:137:ALA:HA	1:B:137:ALA:H	18	0.13
(1,2702)	1:B:147:VAL:HA	1:B:147:VAL:H	4	0.13
(1,2673)	1:B:102:VAL:HG21	1:B:103:ASN:H	11	0.13
(1,2673)	1:B:102:VAL:HG22	1:B:103:ASN:H	11	0.13
(1,2673)	1:B:102:VAL:HG23	1:B:103:ASN:H	11	0.13
(1,2644)	1:B:175:LYS:HG2	1:B:176:LYS:HA	16	0.13
(1,2644)	1:B:175:LYS:HG3	1:B:176:LYS:HA	16	0.13
(1,2598)	1:B:159:LYS:HG2	1:B:160:GLN:HG2	1	0.13
(1,2598)	1:B:159:LYS:HG2	1:B:160:GLN:HG3	1	0.13
(1,2598)	1:B:159:LYS:HG3	1:B:160:GLN:HG2	1	0.13
(1,2598)	1:B:159:LYS:HG3	1:B:160:GLN:HG3	1	0.13
(1,2598)	1:B:159:LYS:HG2	1:B:160:GLN:HG2	12	0.13
(1,2598)	1:B:159:LYS:HG2	1:B:160:GLN:HG3	12	0.13
(1,2598)	1:B:159:LYS:HG3	1:B:160:GLN:HG2	12	0.13
(1,2598)	1:B:159:LYS:HG3	1:B:160:GLN:HG3	12	0.13
(1,2598)	1:B:159:LYS:HG2	1:B:160:GLN:HG2	13	0.13
(1,2598)	1:B:159:LYS:HG2	1:B:160:GLN:HG3	13	0.13
(1,2598)	1:B:159:LYS:HG3	1:B:160:GLN:HG2	13	0.13
(1,2598)	1:B:159:LYS:HG3	1:B:160:GLN:HG3	13	0.13
(1,2589)	1:B:111:LEU:HD21	1:B:159:LYS:HB2	1	0.13
(1,2589)	1:B:111:LEU:HD21	1:B:159:LYS:HB3	1	0.13
(1,2589)	1:B:111:LEU:HD22	1:B:159:LYS:HB2	1	0.13
(1,2589)	1:B:111:LEU:HD22	1:B:159:LYS:HB3	1	0.13
(1,2589)	1:B:111:LEU:HD23	1:B:159:LYS:HB2	1	0.13
(1,2589)	1:B:111:LEU:HD23	1:B:159:LYS:HB3	1	0.13
(1,2546)	1:B:152:VAL:H	1:B:154:ALA:HB1	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2546)	1:B:152:VAL:H	1:B:154:ALA:HB2	2	0.13
(1,2546)	1:B:152:VAL:H	1:B:154:ALA:HB3	2	0.13
(1,2546)	1:B:152:VAL:H	1:B:154:ALA:HB1	7	0.13
(1,2546)	1:B:152:VAL:H	1:B:154:ALA:HB2	7	0.13
(1,2546)	1:B:152:VAL:H	1:B:154:ALA:HB3	7	0.13
(1,2527)	1:B:140:ASP:H	1:B:139:LEU:HD11	3	0.13
(1,2527)	1:B:140:ASP:H	1:B:139:LEU:HD12	3	0.13
(1,2527)	1:B:140:ASP:H	1:B:139:LEU:HD13	3	0.13
(1,2371)	1:B:122:VAL:HG11	1:B:151:ILE:HD11	14	0.13
(1,2371)	1:B:122:VAL:HG11	1:B:151:ILE:HD12	14	0.13
(1,2371)	1:B:122:VAL:HG11	1:B:151:ILE:HD13	14	0.13
(1,2371)	1:B:122:VAL:HG12	1:B:151:ILE:HD11	14	0.13
(1,2371)	1:B:122:VAL:HG12	1:B:151:ILE:HD12	14	0.13
(1,2371)	1:B:122:VAL:HG12	1:B:151:ILE:HD13	14	0.13
(1,2371)	1:B:122:VAL:HG13	1:B:151:ILE:HD11	14	0.13
(1,2371)	1:B:122:VAL:HG13	1:B:151:ILE:HD12	14	0.13
(1,2371)	1:B:122:VAL:HG13	1:B:151:ILE:HD13	14	0.13
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB1	14	0.13
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB2	14	0.13
(1,2354)	1:B:167:VAL:HG11	1:B:125:ALA:HB3	14	0.13
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB1	14	0.13
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB2	14	0.13
(1,2354)	1:B:167:VAL:HG12	1:B:125:ALA:HB3	14	0.13
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB1	14	0.13
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB2	14	0.13
(1,2354)	1:B:167:VAL:HG13	1:B:125:ALA:HB3	14	0.13
(1,2344)	1:B:157:GLN:HG2	1:B:154:ALA:HB1	9	0.13
(1,2344)	1:B:157:GLN:HG2	1:B:154:ALA:HB2	9	0.13
(1,2344)	1:B:157:GLN:HG2	1:B:154:ALA:HB3	9	0.13
(1,2344)	1:B:157:GLN:HG3	1:B:154:ALA:HB1	9	0.13
(1,2344)	1:B:157:GLN:HG3	1:B:154:ALA:HB2	9	0.13
(1,2344)	1:B:157:GLN:HG3	1:B:154:ALA:HB3	9	0.13
(1,2343)	1:B:166:LYS:HE2	1:B:154:ALA:HB1	18	0.13
(1,2343)	1:B:166:LYS:HE2	1:B:154:ALA:HB2	18	0.13
(1,2343)	1:B:166:LYS:HE2	1:B:154:ALA:HB3	18	0.13
(1,2343)	1:B:166:LYS:HE3	1:B:154:ALA:HB1	18	0.13
(1,2343)	1:B:166:LYS:HE3	1:B:154:ALA:HB2	18	0.13
(1,2343)	1:B:166:LYS:HE3	1:B:154:ALA:HB3	18	0.13
(1,2335)	1:B:151:ILE:H	1:B:151:ILE:HG21	14	0.13
(1,2335)	1:B:151:ILE:H	1:B:151:ILE:HG22	14	0.13
(1,2335)	1:B:151:ILE:H	1:B:151:ILE:HG23	14	0.13
(1,2335)	1:B:151:ILE:H	1:B:151:ILE:HG21	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2335)	1:B:151:ILE:H	1:B:151:ILE:HG22	16	0.13
(1,2335)	1:B:151:ILE:H	1:B:151:ILE:HG23	16	0.13
(1,233)	1:A:86:LYS:HG2	1:A:85:ILE:HA	3	0.13
(1,233)	1:A:86:LYS:HG3	1:A:85:ILE:HA	3	0.13
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG21	3	0.13
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG22	3	0.13
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG23	3	0.13
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG21	3	0.13
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG22	3	0.13
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG23	3	0.13
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG21	3	0.13
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG22	3	0.13
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG23	3	0.13
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG21	7	0.13
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG22	7	0.13
(1,2306)	1:B:125:ALA:HB1	1:B:167:VAL:HG23	7	0.13
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG21	7	0.13
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG22	7	0.13
(1,2306)	1:B:125:ALA:HB2	1:B:167:VAL:HG23	7	0.13
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG21	7	0.13
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG22	7	0.13
(1,2306)	1:B:125:ALA:HB3	1:B:167:VAL:HG23	7	0.13
(1,2294)	1:B:126:GLU:HG2	1:B:122:VAL:HG21	20	0.13
(1,2294)	1:B:126:GLU:HG2	1:B:122:VAL:HG22	20	0.13
(1,2294)	1:B:126:GLU:HG2	1:B:122:VAL:HG23	20	0.13
(1,2294)	1:B:126:GLU:HG3	1:B:122:VAL:HG21	20	0.13
(1,2294)	1:B:126:GLU:HG3	1:B:122:VAL:HG22	20	0.13
(1,2294)	1:B:126:GLU:HG3	1:B:122:VAL:HG23	20	0.13
(1,2281)	1:B:107:CYS:H	1:B:106:THR:HG21	20	0.13
(1,2281)	1:B:107:CYS:H	1:B:106:THR:HG22	20	0.13
(1,2281)	1:B:107:CYS:H	1:B:106:THR:HG23	20	0.13
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD11	1	0.13
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD12	1	0.13
(1,2275)	1:B:111:LEU:H	1:B:111:LEU:HD13	1	0.13
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD11	3	0.13
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD12	3	0.13
(1,2273)	1:B:118:GLN:HG2	1:B:111:LEU:HD13	3	0.13
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD11	3	0.13
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD12	3	0.13
(1,2273)	1:B:118:GLN:HG3	1:B:111:LEU:HD13	3	0.13
(1,2268)	1:B:151:ILE:HG12	1:B:147:VAL:HG11	3	0.13
(1,2268)	1:B:151:ILE:HG12	1:B:147:VAL:HG12	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2268)	1:B:151:ILE:HG12	1:B:147:VAL:HG13	3	0.13
(1,2268)	1:B:151:ILE:HG13	1:B:147:VAL:HG11	3	0.13
(1,2268)	1:B:151:ILE:HG13	1:B:147:VAL:HG12	3	0.13
(1,2268)	1:B:151:ILE:HG13	1:B:147:VAL:HG13	3	0.13
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG11	14	0.13
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG12	14	0.13
(1,2246)	1:B:125:ALA:HB1	1:B:167:VAL:HG13	14	0.13
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG11	14	0.13
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG12	14	0.13
(1,2246)	1:B:125:ALA:HB2	1:B:167:VAL:HG13	14	0.13
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG11	14	0.13
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG12	14	0.13
(1,2246)	1:B:125:ALA:HB3	1:B:167:VAL:HG13	14	0.13
(1,2205)	1:B:152:VAL:HG11	1:B:118:GLN:HB2	9	0.13
(1,2205)	1:B:152:VAL:HG11	1:B:118:GLN:HB3	9	0.13
(1,2205)	1:B:152:VAL:HG12	1:B:118:GLN:HB2	9	0.13
(1,2205)	1:B:152:VAL:HG12	1:B:118:GLN:HB3	9	0.13
(1,2205)	1:B:152:VAL:HG13	1:B:118:GLN:HB2	9	0.13
(1,2205)	1:B:152:VAL:HG13	1:B:118:GLN:HB3	9	0.13
(1,2143)	1:B:102:VAL:H	1:B:102:VAL:HB	16	0.13
(1,2143)	1:B:102:VAL:H	1:B:102:VAL:HB	17	0.13
(1,2143)	1:B:102:VAL:H	1:B:102:VAL:HB	18	0.13
(1,2122)	1:B:167:VAL:H	1:B:167:VAL:HB	12	0.13
(1,2101)	1:B:152:VAL:H	1:B:152:VAL:HB	12	0.13
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG2	1	0.13
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG3	1	0.13
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG2	3	0.13
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG3	3	0.13
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG2	5	0.13
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG3	5	0.13
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG2	9	0.13
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG3	9	0.13
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG2	11	0.13
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG3	11	0.13
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG2	12	0.13
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG3	12	0.13
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG2	13	0.13
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG3	13	0.13
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG2	17	0.13
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG3	17	0.13
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG2	19	0.13
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG3	19	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2063)	1:B:150:ALA:HA	1:B:170:GLU:HG2	1	0.13
(1,2063)	1:B:150:ALA:HA	1:B:170:GLU:HG3	1	0.13
(1,197)	1:A:51:ASP:H	1:A:52:VAL:HA	6	0.13
(1,197)	1:A:51:ASP:H	1:A:52:VAL:HA	11	0.13
(1,197)	1:A:51:ASP:H	1:A:52:VAL:HA	18	0.13
(1,1932)	1:B:99:LYS:HD2	1:B:101:PRO:HD2	3	0.13
(1,1932)	1:B:99:LYS:HD2	1:B:101:PRO:HD3	3	0.13
(1,1932)	1:B:99:LYS:HD3	1:B:101:PRO:HD2	3	0.13
(1,1932)	1:B:99:LYS:HD3	1:B:101:PRO:HD3	3	0.13
(1,1932)	1:B:99:LYS:HD2	1:B:101:PRO:HD2	19	0.13
(1,1932)	1:B:99:LYS:HD2	1:B:101:PRO:HD3	19	0.13
(1,1932)	1:B:99:LYS:HD3	1:B:101:PRO:HD2	19	0.13
(1,1932)	1:B:99:LYS:HD3	1:B:101:PRO:HD3	19	0.13
(1,1915)	1:B:151:ILE:H	1:B:150:ALA:HA	12	0.13
(1,1799)	1:B:175:LYS:HG2	1:B:174:ILE:HA	2	0.13
(1,1799)	1:B:175:LYS:HG3	1:B:174:ILE:HA	2	0.13
(1,1799)	1:B:175:LYS:HG2	1:B:174:ILE:HA	13	0.13
(1,1799)	1:B:175:LYS:HG3	1:B:174:ILE:HA	13	0.13
(1,1799)	1:B:175:LYS:HG2	1:B:174:ILE:HA	17	0.13
(1,1799)	1:B:175:LYS:HG3	1:B:174:ILE:HA	17	0.13
(1,1763)	1:B:140:ASP:H	1:B:141:VAL:HA	10	0.13
(1,1739)	1:B:119:PRO:HG2	1:B:148:THR:HA	2	0.13
(1,1739)	1:B:119:PRO:HG3	1:B:148:THR:HA	2	0.13
(1,1739)	1:B:119:PRO:HG2	1:B:148:THR:HA	12	0.13
(1,1739)	1:B:119:PRO:HG3	1:B:148:THR:HA	12	0.13
(1,173)	1:A:30:PRO:HG2	1:A:59:THR:HA	3	0.13
(1,173)	1:A:30:PRO:HG3	1:A:59:THR:HA	3	0.13
(1,173)	1:A:30:PRO:HG2	1:A:59:THR:HA	11	0.13
(1,173)	1:A:30:PRO:HG3	1:A:59:THR:HA	11	0.13
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG21	13	0.13
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG22	13	0.13
(1,1683)	1:B:144:ILE:HA	1:B:147:VAL:HG23	13	0.13
(1,1633)	1:B:127:ALA:HB1	1:B:124:PHE:HA	5	0.13
(1,1633)	1:B:127:ALA:HB2	1:B:124:PHE:HA	5	0.13
(1,1633)	1:B:127:ALA:HB3	1:B:124:PHE:HA	5	0.13
(1,1633)	1:B:127:ALA:HB1	1:B:124:PHE:HA	20	0.13
(1,1633)	1:B:127:ALA:HB2	1:B:124:PHE:HA	20	0.13
(1,1633)	1:B:127:ALA:HB3	1:B:124:PHE:HA	20	0.13
(1,1481)	1:A:17:THR:H	1:A:16:TRP:H	10	0.13
(1,1481)	1:A:17:THR:H	1:A:16:TRP:H	13	0.13
(1,1433)	1:A:15:SER:HA	1:A:15:SER:H	2	0.13
(1,1433)	1:A:15:SER:HA	1:A:15:SER:H	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1433)	1:A:15:SER:HA	1:A:15:SER:H	10	0.13
(1,1423)	1:A:39:LEU:HA	1:A:39:LEU:H	2	0.13
(1,1405)	1:A:67:THR:HG21	1:A:67:THR:H	20	0.13
(1,1405)	1:A:67:THR:HG22	1:A:67:THR:H	20	0.13
(1,1405)	1:A:67:THR:HG23	1:A:67:THR:H	20	0.13
(1,1404)	1:A:67:THR:HA	1:A:67:THR:H	2	0.13
(1,1404)	1:A:67:THR:HA	1:A:67:THR:H	3	0.13
(1,1404)	1:A:67:THR:HA	1:A:67:THR:H	6	0.13
(1,1404)	1:A:67:THR:HA	1:A:67:THR:H	11	0.13
(1,1404)	1:A:67:THR:HA	1:A:67:THR:H	12	0.13
(1,1404)	1:A:67:THR:HA	1:A:67:THR:H	15	0.13
(1,1404)	1:A:67:THR:HA	1:A:67:THR:H	16	0.13
(1,1404)	1:A:67:THR:HA	1:A:67:THR:H	18	0.13
(1,1404)	1:A:67:THR:HA	1:A:67:THR:H	19	0.13
(1,1376)	1:A:42:LYS:H	1:A:43:ASP:H	2	0.13
(1,1304)	1:A:41:ASN:HA	1:A:41:ASN:H	3	0.13
(1,1304)	1:A:41:ASN:HA	1:A:41:ASN:H	12	0.13
(1,1304)	1:A:41:ASN:HA	1:A:41:ASN:H	19	0.13
(1,1285)	1:A:86:LYS:HG2	1:A:87:LYS:H	10	0.13
(1,1285)	1:A:86:LYS:HG3	1:A:87:LYS:H	10	0.13
(1,1285)	1:A:86:LYS:HG2	1:A:87:LYS:H	15	0.13
(1,1285)	1:A:86:LYS:HG3	1:A:87:LYS:H	15	0.13
(1,1285)	1:A:86:LYS:HG2	1:A:87:LYS:H	16	0.13
(1,1285)	1:A:86:LYS:HG3	1:A:87:LYS:H	16	0.13
(1,1285)	1:A:86:LYS:HG2	1:A:87:LYS:H	18	0.13
(1,1285)	1:A:86:LYS:HG3	1:A:87:LYS:H	18	0.13
(1,1285)	1:A:86:LYS:HG2	1:A:87:LYS:H	19	0.13
(1,1285)	1:A:86:LYS:HG3	1:A:87:LYS:H	19	0.13
(1,1285)	1:A:86:LYS:HG2	1:A:87:LYS:H	20	0.13
(1,1285)	1:A:86:LYS:HG3	1:A:87:LYS:H	20	0.13
(1,1276)	1:A:64:GLN:HA	1:A:64:GLN:H	2	0.13
(1,1276)	1:A:64:GLN:HA	1:A:64:GLN:H	15	0.13
(1,1276)	1:A:64:GLN:HA	1:A:64:GLN:H	17	0.13
(1,1275)	1:A:43:ASP:H	1:A:42:LYS:H	2	0.13
(1,1267)	1:A:61:ALA:HA	1:A:61:ALA:H	1	0.13
(1,1267)	1:A:61:ALA:HA	1:A:61:ALA:H	3	0.13
(1,1267)	1:A:61:ALA:HA	1:A:61:ALA:H	4	0.13
(1,1267)	1:A:61:ALA:HA	1:A:61:ALA:H	9	0.13
(1,1267)	1:A:61:ALA:HA	1:A:61:ALA:H	12	0.13
(1,1267)	1:A:61:ALA:HA	1:A:61:ALA:H	17	0.13
(1,1267)	1:A:61:ALA:HA	1:A:61:ALA:H	18	0.13
(1,1267)	1:A:61:ALA:HA	1:A:61:ALA:H	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1249)	1:A:10:LYS:HA	1:A:10:LYS:H	2	0.13
(1,1249)	1:A:10:LYS:HA	1:A:10:LYS:H	5	0.13
(1,1249)	1:A:10:LYS:HA	1:A:10:LYS:H	15	0.13
(1,1249)	1:A:10:LYS:HA	1:A:10:LYS:H	17	0.13
(1,1227)	1:A:62:ILE:HG21	1:A:62:ILE:H	13	0.13
(1,1227)	1:A:62:ILE:HG22	1:A:62:ILE:H	13	0.13
(1,1227)	1:A:62:ILE:HG23	1:A:62:ILE:H	13	0.13
(1,1186)	1:A:48:ALA:HA	1:A:48:ALA:H	1	0.13
(1,1186)	1:A:48:ALA:HA	1:A:48:ALA:H	3	0.13
(1,1186)	1:A:48:ALA:HA	1:A:48:ALA:H	7	0.13
(1,1186)	1:A:48:ALA:HA	1:A:48:ALA:H	15	0.13
(1,1186)	1:A:48:ALA:HA	1:A:48:ALA:H	16	0.13
(1,1186)	1:A:48:ALA:HA	1:A:48:ALA:H	17	0.13
(1,1136)	1:A:58:VAL:HA	1:A:58:VAL:H	2	0.13
(1,1136)	1:A:58:VAL:HA	1:A:58:VAL:H	16	0.13
(1,1136)	1:A:58:VAL:HA	1:A:58:VAL:H	19	0.13
(1,1115)	1:A:49:VAL:HG11	1:A:50:LEU:H	1	0.13
(1,1115)	1:A:49:VAL:HG12	1:A:50:LEU:H	1	0.13
(1,1115)	1:A:49:VAL:HG13	1:A:50:LEU:H	1	0.13
(1,1115)	1:A:49:VAL:HG11	1:A:50:LEU:H	1	0.13
(1,1115)	1:A:49:VAL:HG12	1:A:50:LEU:H	1	0.13
(1,1115)	1:A:49:VAL:HG13	1:A:50:LEU:H	1	0.13
(1,1115)	1:A:49:VAL:HG11	1:A:50:LEU:H	1	0.13
(1,1115)	1:A:49:VAL:HG12	1:A:50:LEU:H	1	0.13
(1,1115)	1:A:49:VAL:HG13	1:A:50:LEU:H	1	0.13
(1,110)	1:A:60:PRO:HA	1:A:63:VAL:HG11	14	0.13
(1,110)	1:A:60:PRO:HA	1:A:63:VAL:HG12	14	0.13
(1,110)	1:A:60:PRO:HA	1:A:63:VAL:HG13	14	0.13
(1,1065)	1:A:88:ASP:H	1:A:86:LYS:HA	11	0.13
(1,1032)	1:A:70:LYS:HG2	1:A:71:GLN:HG2	19	0.13
(1,1032)	1:A:70:LYS:HG2	1:A:71:GLN:HG3	19	0.13
(1,1032)	1:A:70:LYS:HG3	1:A:71:GLN:HG2	19	0.13
(1,1032)	1:A:70:LYS:HG3	1:A:71:GLN:HG3	19	0.13
(2,8)	1:A:5:LYS:HG2	1:B:141:VAL:HA	3	0.12
(2,8)	1:A:5:LYS:HG3	1:B:141:VAL:HA	3	0.12
(2,6)	1:A:39:LEU:HG	1:B:128:LEU:HB2	11	0.12
(2,6)	1:A:39:LEU:HG	1:B:128:LEU:HB3	11	0.12
(2,3)	1:A:3:ALA:H	1:B:143:GLY:HA2	4	0.12
(2,3)	1:A:3:ALA:H	1:B:143:GLY:HA3	4	0.12
(2,15)	1:B:94:LYS:HG2	1:A:52:VAL:HA	13	0.12
(2,15)	1:B:94:LYS:HG3	1:A:52:VAL:HA	13	0.12
(2,10)	1:B:92:ALA:H	1:A:54:GLY:HA2	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,10)	1:B:92:ALA:H	1:A:54:GLY:HA3	13	0.12
(1,993)	1:A:61:ALA:HB1	1:A:58:VAL:HG21	11	0.12
(1,993)	1:A:61:ALA:HB1	1:A:58:VAL:HG22	11	0.12
(1,993)	1:A:61:ALA:HB1	1:A:58:VAL:HG23	11	0.12
(1,993)	1:A:61:ALA:HB2	1:A:58:VAL:HG21	11	0.12
(1,993)	1:A:61:ALA:HB2	1:A:58:VAL:HG22	11	0.12
(1,993)	1:A:61:ALA:HB2	1:A:58:VAL:HG23	11	0.12
(1,993)	1:A:61:ALA:HB3	1:A:58:VAL:HG21	11	0.12
(1,993)	1:A:61:ALA:HB3	1:A:58:VAL:HG22	11	0.12
(1,993)	1:A:61:ALA:HB3	1:A:58:VAL:HG23	11	0.12
(1,993)	1:A:61:ALA:HB1	1:A:58:VAL:HG21	18	0.12
(1,993)	1:A:61:ALA:HB1	1:A:58:VAL:HG22	18	0.12
(1,993)	1:A:61:ALA:HB1	1:A:58:VAL:HG23	18	0.12
(1,993)	1:A:61:ALA:HB2	1:A:58:VAL:HG21	18	0.12
(1,993)	1:A:61:ALA:HB2	1:A:58:VAL:HG22	18	0.12
(1,993)	1:A:61:ALA:HB2	1:A:58:VAL:HG23	18	0.12
(1,993)	1:A:61:ALA:HB3	1:A:58:VAL:HG21	18	0.12
(1,993)	1:A:61:ALA:HB3	1:A:58:VAL:HG22	18	0.12
(1,993)	1:A:61:ALA:HB3	1:A:58:VAL:HG23	18	0.12
(1,983)	1:A:58:VAL:HB	1:A:57:THR:HB	3	0.12
(1,980)	1:A:63:VAL:H	1:A:65:ALA:HB1	2	0.12
(1,980)	1:A:63:VAL:H	1:A:65:ALA:HB2	2	0.12
(1,980)	1:A:63:VAL:H	1:A:65:ALA:HB3	2	0.12
(1,961)	1:A:51:ASP:H	1:A:50:LEU:HD11	17	0.12
(1,961)	1:A:51:ASP:H	1:A:50:LEU:HD12	17	0.12
(1,961)	1:A:51:ASP:H	1:A:50:LEU:HD13	17	0.12
(1,808)	1:A:85:ILE:HA	1:A:85:ILE:HD11	11	0.12
(1,808)	1:A:85:ILE:HA	1:A:85:ILE:HD12	11	0.12
(1,808)	1:A:85:ILE:HA	1:A:85:ILE:HD13	11	0.12
(1,805)	1:A:33:VAL:HG11	1:A:62:ILE:HD11	13	0.12
(1,805)	1:A:33:VAL:HG11	1:A:62:ILE:HD12	13	0.12
(1,805)	1:A:33:VAL:HG11	1:A:62:ILE:HD13	13	0.12
(1,805)	1:A:33:VAL:HG12	1:A:62:ILE:HD11	13	0.12
(1,805)	1:A:33:VAL:HG12	1:A:62:ILE:HD12	13	0.12
(1,805)	1:A:33:VAL:HG12	1:A:62:ILE:HD13	13	0.12
(1,805)	1:A:33:VAL:HG13	1:A:62:ILE:HD11	13	0.12
(1,805)	1:A:33:VAL:HG13	1:A:62:ILE:HD12	13	0.12
(1,805)	1:A:33:VAL:HG13	1:A:62:ILE:HD13	13	0.12
(1,805)	1:A:33:VAL:HG11	1:A:62:ILE:HD11	14	0.12
(1,805)	1:A:33:VAL:HG11	1:A:62:ILE:HD12	14	0.12
(1,805)	1:A:33:VAL:HG11	1:A:62:ILE:HD13	14	0.12
(1,805)	1:A:33:VAL:HG12	1:A:62:ILE:HD11	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,805)	1:A:33:VAL:HG12	1:A:62:ILE:HD12	14	0.12
(1,805)	1:A:33:VAL:HG12	1:A:62:ILE:HD13	14	0.12
(1,805)	1:A:33:VAL:HG13	1:A:62:ILE:HD11	14	0.12
(1,805)	1:A:33:VAL:HG13	1:A:62:ILE:HD12	14	0.12
(1,805)	1:A:33:VAL:HG13	1:A:62:ILE:HD13	14	0.12
(1,794)	1:A:84:LYS:HG2	1:A:61:ALA:HB1	12	0.12
(1,794)	1:A:84:LYS:HG2	1:A:61:ALA:HB2	12	0.12
(1,794)	1:A:84:LYS:HG2	1:A:61:ALA:HB3	12	0.12
(1,794)	1:A:84:LYS:HG3	1:A:61:ALA:HB1	12	0.12
(1,794)	1:A:84:LYS:HG3	1:A:61:ALA:HB2	12	0.12
(1,794)	1:A:84:LYS:HG3	1:A:61:ALA:HB3	12	0.12
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB1	17	0.12
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB2	17	0.12
(1,788)	1:A:78:VAL:HG11	1:A:36:ALA:HB3	17	0.12
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB1	17	0.12
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB2	17	0.12
(1,788)	1:A:78:VAL:HG12	1:A:36:ALA:HB3	17	0.12
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB1	17	0.12
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB2	17	0.12
(1,788)	1:A:78:VAL:HG13	1:A:36:ALA:HB3	17	0.12
(1,785)	1:A:75:LYS:HB2	1:A:36:ALA:HB1	14	0.12
(1,785)	1:A:75:LYS:HB2	1:A:36:ALA:HB2	14	0.12
(1,785)	1:A:75:LYS:HB2	1:A:36:ALA:HB3	14	0.12
(1,785)	1:A:75:LYS:HB3	1:A:36:ALA:HB1	14	0.12
(1,785)	1:A:75:LYS:HB3	1:A:36:ALA:HB2	14	0.12
(1,785)	1:A:75:LYS:HB3	1:A:36:ALA:HB3	14	0.12
(1,769)	1:A:62:ILE:H	1:A:62:ILE:HG21	5	0.12
(1,769)	1:A:62:ILE:H	1:A:62:ILE:HG22	5	0.12
(1,769)	1:A:62:ILE:H	1:A:62:ILE:HG23	5	0.12
(1,769)	1:A:62:ILE:H	1:A:62:ILE:HG21	6	0.12
(1,769)	1:A:62:ILE:H	1:A:62:ILE:HG22	6	0.12
(1,769)	1:A:62:ILE:H	1:A:62:ILE:HG23	6	0.12
(1,763)	1:A:10:LYS:HD2	1:A:7:ALA:HB1	9	0.12
(1,763)	1:A:10:LYS:HD2	1:A:7:ALA:HB2	9	0.12
(1,763)	1:A:10:LYS:HD2	1:A:7:ALA:HB3	9	0.12
(1,763)	1:A:10:LYS:HD3	1:A:7:ALA:HB1	9	0.12
(1,763)	1:A:10:LYS:HD3	1:A:7:ALA:HB2	9	0.12
(1,763)	1:A:10:LYS:HD3	1:A:7:ALA:HB3	9	0.12
(1,763)	1:A:10:LYS:HD2	1:A:7:ALA:HB1	11	0.12
(1,763)	1:A:10:LYS:HD2	1:A:7:ALA:HB2	11	0.12
(1,763)	1:A:10:LYS:HD2	1:A:7:ALA:HB3	11	0.12
(1,763)	1:A:10:LYS:HD3	1:A:7:ALA:HB1	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,763)	1:A:10:LYS:HD3	1:A:7:ALA:HB2	11	0.12
(1,763)	1:A:10:LYS:HD3	1:A:7:ALA:HB3	11	0.12
(1,763)	1:A:10:LYS:HD2	1:A:7:ALA:HB1	19	0.12
(1,763)	1:A:10:LYS:HD2	1:A:7:ALA:HB2	19	0.12
(1,763)	1:A:10:LYS:HD2	1:A:7:ALA:HB3	19	0.12
(1,763)	1:A:10:LYS:HD3	1:A:7:ALA:HB1	19	0.12
(1,763)	1:A:10:LYS:HD3	1:A:7:ALA:HB2	19	0.12
(1,763)	1:A:10:LYS:HD3	1:A:7:ALA:HB3	19	0.12
(1,747)	1:A:60:PRO:HA	1:A:63:VAL:HG21	7	0.12
(1,747)	1:A:60:PRO:HA	1:A:63:VAL:HG22	7	0.12
(1,747)	1:A:60:PRO:HA	1:A:63:VAL:HG23	7	0.12
(1,703)	1:A:61:ALA:HB1	1:A:58:VAL:HG11	5	0.12
(1,703)	1:A:61:ALA:HB1	1:A:58:VAL:HG12	5	0.12
(1,703)	1:A:61:ALA:HB1	1:A:58:VAL:HG13	5	0.12
(1,703)	1:A:61:ALA:HB2	1:A:58:VAL:HG11	5	0.12
(1,703)	1:A:61:ALA:HB2	1:A:58:VAL:HG12	5	0.12
(1,703)	1:A:61:ALA:HB2	1:A:58:VAL:HG13	5	0.12
(1,703)	1:A:61:ALA:HB3	1:A:58:VAL:HG11	5	0.12
(1,703)	1:A:61:ALA:HB3	1:A:58:VAL:HG12	5	0.12
(1,703)	1:A:61:ALA:HB3	1:A:58:VAL:HG13	5	0.12
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG11	17	0.12
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG12	17	0.12
(1,680)	1:A:36:ALA:HB1	1:A:78:VAL:HG13	17	0.12
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG11	17	0.12
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG12	17	0.12
(1,680)	1:A:36:ALA:HB2	1:A:78:VAL:HG13	17	0.12
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG11	17	0.12
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG12	17	0.12
(1,680)	1:A:36:ALA:HB3	1:A:78:VAL:HG13	17	0.12
(1,664)	1:A:43:ASP:H	1:A:42:LYS:HG2	11	0.12
(1,664)	1:A:43:ASP:H	1:A:42:LYS:HG3	11	0.12
(1,646)	1:A:55:ILE:HG21	1:A:33:VAL:HG11	3	0.12
(1,646)	1:A:55:ILE:HG21	1:A:33:VAL:HG12	3	0.12
(1,646)	1:A:55:ILE:HG21	1:A:33:VAL:HG13	3	0.12
(1,646)	1:A:55:ILE:HG22	1:A:33:VAL:HG11	3	0.12
(1,646)	1:A:55:ILE:HG22	1:A:33:VAL:HG12	3	0.12
(1,646)	1:A:55:ILE:HG22	1:A:33:VAL:HG13	3	0.12
(1,646)	1:A:55:ILE:HG23	1:A:33:VAL:HG11	3	0.12
(1,646)	1:A:55:ILE:HG23	1:A:33:VAL:HG12	3	0.12
(1,646)	1:A:55:ILE:HG23	1:A:33:VAL:HG13	3	0.12
(1,646)	1:A:55:ILE:HG21	1:A:33:VAL:HG11	11	0.12
(1,646)	1:A:55:ILE:HG21	1:A:33:VAL:HG12	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,646)	1:A:55:ILE:HG21	1:A:33:VAL:HG13	11	0.12
(1,646)	1:A:55:ILE:HG22	1:A:33:VAL:HG11	11	0.12
(1,646)	1:A:55:ILE:HG22	1:A:33:VAL:HG12	11	0.12
(1,646)	1:A:55:ILE:HG22	1:A:33:VAL:HG13	11	0.12
(1,646)	1:A:55:ILE:HG23	1:A:33:VAL:HG11	11	0.12
(1,646)	1:A:55:ILE:HG23	1:A:33:VAL:HG12	11	0.12
(1,646)	1:A:55:ILE:HG23	1:A:33:VAL:HG13	11	0.12
(1,646)	1:A:55:ILE:HG21	1:A:33:VAL:HG11	12	0.12
(1,646)	1:A:55:ILE:HG21	1:A:33:VAL:HG12	12	0.12
(1,646)	1:A:55:ILE:HG21	1:A:33:VAL:HG13	12	0.12
(1,646)	1:A:55:ILE:HG22	1:A:33:VAL:HG11	12	0.12
(1,646)	1:A:55:ILE:HG22	1:A:33:VAL:HG12	12	0.12
(1,646)	1:A:55:ILE:HG22	1:A:33:VAL:HG13	12	0.12
(1,646)	1:A:55:ILE:HG23	1:A:33:VAL:HG11	12	0.12
(1,646)	1:A:55:ILE:HG23	1:A:33:VAL:HG12	12	0.12
(1,646)	1:A:55:ILE:HG23	1:A:33:VAL:HG13	12	0.12
(1,630)	1:A:22:LEU:HD21	1:A:70:LYS:HG2	7	0.12
(1,630)	1:A:22:LEU:HD21	1:A:70:LYS:HG3	7	0.12
(1,630)	1:A:22:LEU:HD22	1:A:70:LYS:HG2	7	0.12
(1,630)	1:A:22:LEU:HD22	1:A:70:LYS:HG3	7	0.12
(1,630)	1:A:22:LEU:HD23	1:A:70:LYS:HG2	7	0.12
(1,630)	1:A:22:LEU:HD23	1:A:70:LYS:HG3	7	0.12
(1,515)	1:A:84:LYS:HD2	1:A:84:LYS:HB2	3	0.12
(1,515)	1:A:84:LYS:HD2	1:A:84:LYS:HB3	3	0.12
(1,515)	1:A:84:LYS:HD3	1:A:84:LYS:HB2	3	0.12
(1,515)	1:A:84:LYS:HD3	1:A:84:LYS:HB3	3	0.12
(1,512)	1:A:81:GLU:HA	1:A:84:LYS:HB2	1	0.12
(1,512)	1:A:81:GLU:HA	1:A:84:LYS:HB3	1	0.12
(1,512)	1:A:81:GLU:HA	1:A:84:LYS:HB2	3	0.12
(1,512)	1:A:81:GLU:HA	1:A:84:LYS:HB3	3	0.12
(1,512)	1:A:81:GLU:HA	1:A:84:LYS:HB2	9	0.12
(1,512)	1:A:81:GLU:HA	1:A:84:LYS:HB3	9	0.12
(1,512)	1:A:81:GLU:HA	1:A:84:LYS:HB2	20	0.12
(1,512)	1:A:81:GLU:HA	1:A:84:LYS:HB3	20	0.12
(1,501)	1:A:27:SER:H	1:A:26:GLU:HG2	3	0.12
(1,501)	1:A:27:SER:H	1:A:26:GLU:HG3	3	0.12
(1,501)	1:A:27:SER:H	1:A:26:GLU:HG2	5	0.12
(1,501)	1:A:27:SER:H	1:A:26:GLU:HG3	5	0.12
(1,501)	1:A:27:SER:H	1:A:26:GLU:HG2	9	0.12
(1,501)	1:A:27:SER:H	1:A:26:GLU:HG3	9	0.12
(1,501)	1:A:27:SER:H	1:A:26:GLU:HG2	10	0.12
(1,501)	1:A:27:SER:H	1:A:26:GLU:HG3	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,497)	1:A:61:ALA:HA	1:A:81:GLU:HG2	3	0.12
(1,497)	1:A:61:ALA:HA	1:A:81:GLU:HG3	3	0.12
(1,497)	1:A:61:ALA:HA	1:A:81:GLU:HG2	14	0.12
(1,497)	1:A:61:ALA:HA	1:A:81:GLU:HG3	14	0.12
(1,457)	1:A:62:ILE:H	1:A:62:ILE:HB	10	0.12
(1,420)	1:A:24:VAL:HG21	1:A:25:ASP:HB2	19	0.12
(1,420)	1:A:24:VAL:HG21	1:A:25:ASP:HB3	19	0.12
(1,420)	1:A:24:VAL:HG22	1:A:25:ASP:HB2	19	0.12
(1,420)	1:A:24:VAL:HG22	1:A:25:ASP:HB3	19	0.12
(1,420)	1:A:24:VAL:HG23	1:A:25:ASP:HB2	19	0.12
(1,420)	1:A:24:VAL:HG23	1:A:25:ASP:HB3	19	0.12
(1,420)	1:A:24:VAL:HG21	1:A:25:ASP:HB2	20	0.12
(1,420)	1:A:24:VAL:HG21	1:A:25:ASP:HB3	20	0.12
(1,420)	1:A:24:VAL:HG22	1:A:25:ASP:HB2	20	0.12
(1,420)	1:A:24:VAL:HG22	1:A:25:ASP:HB3	20	0.12
(1,420)	1:A:24:VAL:HG23	1:A:25:ASP:HB2	20	0.12
(1,420)	1:A:24:VAL:HG23	1:A:25:ASP:HB3	20	0.12
(1,412)	1:A:14:ASN:HD21	1:A:75:LYS:HE2	12	0.12
(1,412)	1:A:14:ASN:HD21	1:A:75:LYS:HE3	12	0.12
(1,412)	1:A:14:ASN:HD22	1:A:75:LYS:HE2	12	0.12
(1,412)	1:A:14:ASN:HD22	1:A:75:LYS:HE3	12	0.12
(1,411)	1:A:85:ILE:HA	1:A:84:LYS:HE2	12	0.12
(1,411)	1:A:85:ILE:HA	1:A:84:LYS:HE3	12	0.12
(1,366)	1:A:10:LYS:HD2	1:A:12:PRO:HD2	17	0.12
(1,366)	1:A:10:LYS:HD2	1:A:12:PRO:HD3	17	0.12
(1,366)	1:A:10:LYS:HD3	1:A:12:PRO:HD2	17	0.12
(1,366)	1:A:10:LYS:HD3	1:A:12:PRO:HD3	17	0.12
(1,361)	1:A:23:ALA:H	1:A:23:ALA:HA	4	0.12
(1,349)	1:A:62:ILE:H	1:A:61:ALA:HA	1	0.12
(1,349)	1:A:62:ILE:H	1:A:61:ALA:HA	3	0.12
(1,349)	1:A:62:ILE:H	1:A:61:ALA:HA	8	0.12
(1,349)	1:A:62:ILE:H	1:A:61:ALA:HA	15	0.12
(1,349)	1:A:62:ILE:H	1:A:61:ALA:HA	16	0.12
(1,349)	1:A:62:ILE:H	1:A:61:ALA:HA	19	0.12
(1,349)	1:A:62:ILE:H	1:A:61:ALA:HA	20	0.12
(1,341)	1:A:13:VAL:HG21	1:A:36:ALA:HA	5	0.12
(1,341)	1:A:13:VAL:HG22	1:A:36:ALA:HA	5	0.12
(1,341)	1:A:13:VAL:HG23	1:A:36:ALA:HA	5	0.12
(1,3332)	1:B:139:LEU:HG	1:A:31:THR:H	1	0.12
(1,3332)	1:B:139:LEU:HG	1:A:31:THR:H	2	0.12
(1,3332)	1:B:139:LEU:HG	1:A:31:THR:H	18	0.12
(1,3312)	1:B:137:ALA:H	1:A:39:LEU:HG	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3310)	1:B:139:LEU:HA	1:A:32:ALA:HA	14	0.12
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG21	5	0.12
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG22	5	0.12
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG23	5	0.12
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG21	9	0.12
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG22	9	0.12
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG23	9	0.12
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG21	10	0.12
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG22	10	0.12
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG23	10	0.12
(1,3290)	1:B:97:ASP:H	1:A:49:VAL:HG11	16	0.12
(1,3290)	1:B:97:ASP:H	1:A:49:VAL:HG12	16	0.12
(1,3290)	1:B:97:ASP:H	1:A:49:VAL:HG13	16	0.12
(1,3288)	1:B:102:VAL:H	1:A:49:VAL:HG11	3	0.12
(1,3288)	1:B:102:VAL:H	1:A:49:VAL:HG12	3	0.12
(1,3288)	1:B:102:VAL:H	1:A:49:VAL:HG13	3	0.12
(1,3220)	1:A:50:LEU:HG	1:B:120:THR:H	8	0.12
(1,3220)	1:A:50:LEU:HG	1:B:120:THR:H	12	0.12
(1,3220)	1:A:50:LEU:HG	1:B:120:THR:H	14	0.12
(1,3220)	1:A:50:LEU:HG	1:B:120:THR:H	18	0.12
(1,3200)	1:A:48:ALA:H	1:B:128:LEU:HG	4	0.12
(1,3198)	1:A:50:LEU:HA	1:B:121:ALA:HA	2	0.12
(1,3184)	1:A:28:PHE:HA	1:B:144:ILE:HG21	7	0.12
(1,3184)	1:A:28:PHE:HA	1:B:144:ILE:HG22	7	0.12
(1,3184)	1:A:28:PHE:HA	1:B:144:ILE:HG23	7	0.12
(1,3184)	1:A:28:PHE:HA	1:B:144:ILE:HG21	10	0.12
(1,3184)	1:A:28:PHE:HA	1:B:144:ILE:HG22	10	0.12
(1,3184)	1:A:28:PHE:HA	1:B:144:ILE:HG23	10	0.12
(1,3184)	1:A:28:PHE:HA	1:B:144:ILE:HG21	19	0.12
(1,3184)	1:A:28:PHE:HA	1:B:144:ILE:HG22	19	0.12
(1,3184)	1:A:28:PHE:HA	1:B:144:ILE:HG23	19	0.12
(1,3152)	1:A:12:PRO:HA	1:B:138:VAL:HB	2	0.12
(1,3152)	1:A:12:PRO:HA	1:B:138:VAL:HB	8	0.12
(1,3121)	1:B:176:LYS:HB2	1:B:173:LYS:H	16	0.12
(1,3121)	1:B:176:LYS:HB3	1:B:173:LYS:H	16	0.12
(1,3104)	1:B:162:ASN:H	1:B:161:ALA:H	6	0.12
(1,306)	1:A:77:LYS:HG2	1:A:77:LYS:HA	7	0.12
(1,306)	1:A:77:LYS:HG3	1:A:77:LYS:HA	7	0.12
(1,3047)	1:B:106:THR:H	1:B:105:TRP:H	6	0.12
(1,3047)	1:B:106:THR:H	1:B:105:TRP:H	19	0.12
(1,3011)	1:B:160:GLN:HA	1:B:160:GLN:H	3	0.12
(1,3011)	1:B:160:GLN:HA	1:B:160:GLN:H	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3011)	1:B:160:GLN:HA	1:B:160:GLN:H	12	0.12
(1,3011)	1:B:160:GLN:HA	1:B:160:GLN:H	13	0.12
(1,2999)	1:B:104:SER:HA	1:B:104:SER:H	13	0.12
(1,2989)	1:B:128:LEU:HA	1:B:128:LEU:H	1	0.12
(1,2989)	1:B:128:LEU:HA	1:B:128:LEU:H	4	0.12
(1,2989)	1:B:128:LEU:HA	1:B:128:LEU:H	7	0.12
(1,2989)	1:B:128:LEU:HA	1:B:128:LEU:H	18	0.12
(1,2989)	1:B:128:LEU:HA	1:B:128:LEU:H	20	0.12
(1,2971)	1:B:156:THR:HG21	1:B:156:THR:H	7	0.12
(1,2971)	1:B:156:THR:HG22	1:B:156:THR:H	7	0.12
(1,2971)	1:B:156:THR:HG23	1:B:156:THR:H	7	0.12
(1,2970)	1:B:156:THR:HA	1:B:156:THR:H	2	0.12
(1,2970)	1:B:156:THR:HA	1:B:156:THR:H	6	0.12
(1,2970)	1:B:156:THR:HA	1:B:156:THR:H	14	0.12
(1,2970)	1:B:156:THR:HA	1:B:156:THR:H	19	0.12
(1,2937)	1:B:121:ALA:HA	1:B:125:ALA:H	2	0.12
(1,2937)	1:B:121:ALA:HA	1:B:125:ALA:H	7	0.12
(1,2907)	1:B:97:ASP:HA	1:B:97:ASP:H	3	0.12
(1,2907)	1:B:97:ASP:HA	1:B:97:ASP:H	16	0.12
(1,2893)	1:B:112:ALA:HA	1:B:112:ALA:H	2	0.12
(1,2884)	1:B:166:LYS:HD2	1:B:158:ASP:H	14	0.12
(1,2884)	1:B:166:LYS:HD3	1:B:158:ASP:H	14	0.12
(1,2870)	1:B:130:ASN:HA	1:B:130:ASN:H	5	0.12
(1,2870)	1:B:130:ASN:HA	1:B:130:ASN:H	6	0.12
(1,2870)	1:B:130:ASN:HA	1:B:130:ASN:H	17	0.12
(1,2870)	1:B:130:ASN:HA	1:B:130:ASN:H	20	0.12
(1,2851)	1:B:175:LYS:HG2	1:B:176:LYS:H	10	0.12
(1,2851)	1:B:175:LYS:HG3	1:B:176:LYS:H	10	0.12
(1,2851)	1:B:175:LYS:HG2	1:B:176:LYS:H	18	0.12
(1,2851)	1:B:175:LYS:HG3	1:B:176:LYS:H	18	0.12
(1,2842)	1:B:153:GLN:HA	1:B:153:GLN:H	15	0.12
(1,2842)	1:B:153:GLN:HA	1:B:153:GLN:H	17	0.12
(1,2833)	1:B:150:ALA:HA	1:B:150:ALA:H	4	0.12
(1,2833)	1:B:150:ALA:HA	1:B:150:ALA:H	5	0.12
(1,2833)	1:B:150:ALA:HA	1:B:150:ALA:H	10	0.12
(1,2833)	1:B:150:ALA:HA	1:B:150:ALA:H	17	0.12
(1,2815)	1:B:99:LYS:HA	1:B:99:LYS:H	4	0.12
(1,2815)	1:B:99:LYS:HA	1:B:99:LYS:H	9	0.12
(1,2793)	1:B:151:ILE:HG21	1:B:151:ILE:H	1	0.12
(1,2793)	1:B:151:ILE:HG22	1:B:151:ILE:H	1	0.12
(1,2793)	1:B:151:ILE:HG23	1:B:151:ILE:H	1	0.12
(1,2763)	1:B:141:VAL:HA	1:B:144:ILE:H	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2752)	1:B:137:ALA:HA	1:B:137:ALA:H	3	0.12
(1,2752)	1:B:137:ALA:HA	1:B:137:ALA:H	9	0.12
(1,2752)	1:B:137:ALA:HA	1:B:137:ALA:H	14	0.12
(1,2748)	1:B:177:ASP:H	1:B:178:MET:H	15	0.12
(1,2702)	1:B:147:VAL:HA	1:B:147:VAL:H	13	0.12
(1,2702)	1:B:147:VAL:HA	1:B:147:VAL:H	15	0.12
(1,2681)	1:B:138:VAL:HG11	1:B:139:LEU:H	14	0.12
(1,2681)	1:B:138:VAL:HG12	1:B:139:LEU:H	14	0.12
(1,2681)	1:B:138:VAL:HG13	1:B:139:LEU:H	14	0.12
(1,2681)	1:B:138:VAL:HG11	1:B:139:LEU:H	14	0.12
(1,2681)	1:B:138:VAL:HG12	1:B:139:LEU:H	14	0.12
(1,2681)	1:B:138:VAL:HG13	1:B:139:LEU:H	14	0.12
(1,2681)	1:B:138:VAL:HG11	1:B:139:LEU:H	14	0.12
(1,2681)	1:B:138:VAL:HG12	1:B:139:LEU:H	14	0.12
(1,2681)	1:B:138:VAL:HG13	1:B:139:LEU:H	14	0.12
(1,2681)	1:B:138:VAL:HG11	1:B:139:LEU:H	14	0.12
(1,2681)	1:B:138:VAL:HG12	1:B:139:LEU:H	14	0.12
(1,2681)	1:B:138:VAL:HG13	1:B:139:LEU:H	14	0.12
(1,2681)	1:B:138:VAL:HG11	1:B:139:LEU:H	18	0.12
(1,2681)	1:B:138:VAL:HG12	1:B:139:LEU:H	18	0.12
(1,2681)	1:B:138:VAL:HG13	1:B:139:LEU:H	18	0.12
(1,2681)	1:B:138:VAL:HG11	1:B:139:LEU:H	18	0.12
(1,2681)	1:B:138:VAL:HG12	1:B:139:LEU:H	18	0.12
(1,2681)	1:B:138:VAL:HG13	1:B:139:LEU:H	18	0.12
(1,2681)	1:B:138:VAL:HG11	1:B:139:LEU:H	18	0.12
(1,2681)	1:B:138:VAL:HG12	1:B:139:LEU:H	18	0.12
(1,2681)	1:B:138:VAL:HG13	1:B:139:LEU:H	18	0.12
(1,2644)	1:B:175:LYS:HG2	1:B:176:LYS:HA	9	0.12
(1,2644)	1:B:175:LYS:HG3	1:B:176:LYS:HA	9	0.12
(1,2641)	1:B:175:LYS:HA	1:B:175:LYS:HD2	10	0.12
(1,2641)	1:B:175:LYS:HA	1:B:175:LYS:HD3	10	0.12
(1,2598)	1:B:159:LYS:HG2	1:B:160:GLN:HG2	4	0.12
(1,2598)	1:B:159:LYS:HG2	1:B:160:GLN:HG3	4	0.12
(1,2598)	1:B:159:LYS:HG3	1:B:160:GLN:HG2	4	0.12
(1,2598)	1:B:159:LYS:HG3	1:B:160:GLN:HG3	4	0.12
(1,2598)	1:B:159:LYS:HG2	1:B:160:GLN:HG2	9	0.12
(1,2598)	1:B:159:LYS:HG2	1:B:160:GLN:HG3	9	0.12
(1,2598)	1:B:159:LYS:HG3	1:B:160:GLN:HG2	9	0.12
(1,2598)	1:B:159:LYS:HG3	1:B:160:GLN:HG3	9	0.12
(1,2598)	1:B:159:LYS:HG2	1:B:160:GLN:HG2	10	0.12
(1,2598)	1:B:159:LYS:HG2	1:B:160:GLN:HG3	10	0.12
(1,2598)	1:B:159:LYS:HG3	1:B:160:GLN:HG2	10	0.12
(1,2598)	1:B:159:LYS:HG3	1:B:160:GLN:HG3	10	0.12
(1,2598)	1:B:159:LYS:HG2	1:B:160:GLN:HG2	11	0.12
(1,2598)	1:B:159:LYS:HG2	1:B:160:GLN:HG3	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2598)	1:B:159:LYS:HG3	1:B:160:GLN:HG2	11	0.12
(1,2598)	1:B:159:LYS:HG3	1:B:160:GLN:HG3	11	0.12
(1,2589)	1:B:111:LEU:HD21	1:B:159:LYS:HB2	11	0.12
(1,2589)	1:B:111:LEU:HD21	1:B:159:LYS:HB3	11	0.12
(1,2589)	1:B:111:LEU:HD22	1:B:159:LYS:HB2	11	0.12
(1,2589)	1:B:111:LEU:HD22	1:B:159:LYS:HB3	11	0.12
(1,2589)	1:B:111:LEU:HD23	1:B:159:LYS:HB2	11	0.12
(1,2589)	1:B:111:LEU:HD23	1:B:159:LYS:HB3	11	0.12
(1,2589)	1:B:111:LEU:HD21	1:B:159:LYS:HB2	13	0.12
(1,2589)	1:B:111:LEU:HD21	1:B:159:LYS:HB3	13	0.12
(1,2589)	1:B:111:LEU:HD22	1:B:159:LYS:HB2	13	0.12
(1,2589)	1:B:111:LEU:HD22	1:B:159:LYS:HB3	13	0.12
(1,2589)	1:B:111:LEU:HD23	1:B:159:LYS:HB2	13	0.12
(1,2589)	1:B:111:LEU:HD23	1:B:159:LYS:HB3	13	0.12
(1,2565)	1:B:150:ALA:H	1:B:148:THR:HG21	1	0.12
(1,2565)	1:B:150:ALA:H	1:B:148:THR:HG22	1	0.12
(1,2565)	1:B:150:ALA:H	1:B:148:THR:HG23	1	0.12
(1,2546)	1:B:152:VAL:H	1:B:154:ALA:HB1	6	0.12
(1,2546)	1:B:152:VAL:H	1:B:154:ALA:HB2	6	0.12
(1,2546)	1:B:152:VAL:H	1:B:154:ALA:HB3	6	0.12
(1,2546)	1:B:152:VAL:H	1:B:154:ALA:HB1	20	0.12
(1,2546)	1:B:152:VAL:H	1:B:154:ALA:HB2	20	0.12
(1,2546)	1:B:152:VAL:H	1:B:154:ALA:HB3	20	0.12
(1,2527)	1:B:140:ASP:H	1:B:139:LEU:HD11	16	0.12
(1,2527)	1:B:140:ASP:H	1:B:139:LEU:HD12	16	0.12
(1,2527)	1:B:140:ASP:H	1:B:139:LEU:HD13	16	0.12
(1,2518)	1:B:152:VAL:HG21	1:B:153:GLN:HG2	8	0.12
(1,2518)	1:B:152:VAL:HG21	1:B:153:GLN:HG3	8	0.12
(1,2518)	1:B:152:VAL:HG22	1:B:153:GLN:HG2	8	0.12
(1,2518)	1:B:152:VAL:HG22	1:B:153:GLN:HG3	8	0.12
(1,2518)	1:B:152:VAL:HG23	1:B:153:GLN:HG2	8	0.12
(1,2518)	1:B:152:VAL:HG23	1:B:153:GLN:HG3	8	0.12
(1,2518)	1:B:152:VAL:HG21	1:B:153:GLN:HG2	10	0.12
(1,2518)	1:B:152:VAL:HG21	1:B:153:GLN:HG3	10	0.12
(1,2518)	1:B:152:VAL:HG22	1:B:153:GLN:HG2	10	0.12
(1,2518)	1:B:152:VAL:HG22	1:B:153:GLN:HG3	10	0.12
(1,2518)	1:B:152:VAL:HG23	1:B:153:GLN:HG2	10	0.12
(1,2518)	1:B:152:VAL:HG23	1:B:153:GLN:HG3	10	0.12
(1,2477)	1:B:120:THR:H	1:B:118:GLN:HG2	3	0.12
(1,2477)	1:B:120:THR:H	1:B:118:GLN:HG3	3	0.12
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD11	1	0.12
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD12	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD13	1	0.12
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD11	2	0.12
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD12	2	0.12
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD13	2	0.12
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD11	3	0.12
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD12	3	0.12
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD13	3	0.12
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD11	6	0.12
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD12	6	0.12
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD13	6	0.12
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD11	7	0.12
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD12	7	0.12
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD13	7	0.12
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD11	9	0.12
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD12	9	0.12
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD13	9	0.12
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD11	16	0.12
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD12	16	0.12
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD13	16	0.12
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD11	17	0.12
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD12	17	0.12
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD13	17	0.12
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD11	18	0.12
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD12	18	0.12
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD13	18	0.12
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD11	20	0.12
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD12	20	0.12
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD13	20	0.12
(1,2371)	1:B:122:VAL:HG11	1:B:151:ILE:HD11	18	0.12
(1,2371)	1:B:122:VAL:HG11	1:B:151:ILE:HD12	18	0.12
(1,2371)	1:B:122:VAL:HG11	1:B:151:ILE:HD13	18	0.12
(1,2371)	1:B:122:VAL:HG12	1:B:151:ILE:HD11	18	0.12
(1,2371)	1:B:122:VAL:HG12	1:B:151:ILE:HD12	18	0.12
(1,2371)	1:B:122:VAL:HG12	1:B:151:ILE:HD13	18	0.12
(1,2371)	1:B:122:VAL:HG13	1:B:151:ILE:HD11	18	0.12
(1,2371)	1:B:122:VAL:HG13	1:B:151:ILE:HD12	18	0.12
(1,2371)	1:B:122:VAL:HG13	1:B:151:ILE:HD13	18	0.12
(1,2360)	1:B:173:LYS:HG2	1:B:150:ALA:HB1	10	0.12
(1,2360)	1:B:173:LYS:HG2	1:B:150:ALA:HB2	10	0.12
(1,2360)	1:B:173:LYS:HG2	1:B:150:ALA:HB3	10	0.12
(1,2360)	1:B:173:LYS:HG3	1:B:150:ALA:HB1	10	0.12
(1,2360)	1:B:173:LYS:HG3	1:B:150:ALA:HB2	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2360)	1:B:173:LYS:HG3	1:B:150:ALA:HB3	10	0.12
(1,2343)	1:B:166:LYS:HE2	1:B:154:ALA:HB1	1	0.12
(1,2343)	1:B:166:LYS:HE2	1:B:154:ALA:HB2	1	0.12
(1,2343)	1:B:166:LYS:HE2	1:B:154:ALA:HB3	1	0.12
(1,2343)	1:B:166:LYS:HE3	1:B:154:ALA:HB1	1	0.12
(1,2343)	1:B:166:LYS:HE3	1:B:154:ALA:HB2	1	0.12
(1,2343)	1:B:166:LYS:HE3	1:B:154:ALA:HB3	1	0.12
(1,2335)	1:B:151:ILE:H	1:B:151:ILE:HG21	1	0.12
(1,2335)	1:B:151:ILE:H	1:B:151:ILE:HG22	1	0.12
(1,2335)	1:B:151:ILE:H	1:B:151:ILE:HG23	1	0.12
(1,233)	1:A:86:LYS:HG2	1:A:85:ILE:HA	19	0.12
(1,233)	1:A:86:LYS:HG3	1:A:85:ILE:HA	19	0.12
(1,232)	1:A:85:ILE:HD11	1:A:85:ILE:HA	11	0.12
(1,232)	1:A:85:ILE:HD12	1:A:85:ILE:HA	11	0.12
(1,232)	1:A:85:ILE:HD13	1:A:85:ILE:HA	11	0.12
(1,2277)	1:B:105:TRP:HA	1:B:106:THR:HG21	20	0.12
(1,2277)	1:B:105:TRP:HA	1:B:106:THR:HG22	20	0.12
(1,2277)	1:B:105:TRP:HA	1:B:106:THR:HG23	20	0.12
(1,2268)	1:B:151:ILE:HG12	1:B:147:VAL:HG11	6	0.12
(1,2268)	1:B:151:ILE:HG12	1:B:147:VAL:HG12	6	0.12
(1,2268)	1:B:151:ILE:HG12	1:B:147:VAL:HG13	6	0.12
(1,2268)	1:B:151:ILE:HG13	1:B:147:VAL:HG11	6	0.12
(1,2268)	1:B:151:ILE:HG13	1:B:147:VAL:HG12	6	0.12
(1,2268)	1:B:151:ILE:HG13	1:B:147:VAL:HG13	6	0.12
(1,2268)	1:B:151:ILE:HG12	1:B:147:VAL:HG11	7	0.12
(1,2268)	1:B:151:ILE:HG12	1:B:147:VAL:HG12	7	0.12
(1,2268)	1:B:151:ILE:HG12	1:B:147:VAL:HG13	7	0.12
(1,2268)	1:B:151:ILE:HG13	1:B:147:VAL:HG11	7	0.12
(1,2268)	1:B:151:ILE:HG13	1:B:147:VAL:HG12	7	0.12
(1,2268)	1:B:151:ILE:HG13	1:B:147:VAL:HG13	7	0.12
(1,2268)	1:B:151:ILE:HG12	1:B:147:VAL:HG11	9	0.12
(1,2268)	1:B:151:ILE:HG12	1:B:147:VAL:HG12	9	0.12
(1,2268)	1:B:151:ILE:HG12	1:B:147:VAL:HG13	9	0.12
(1,2268)	1:B:151:ILE:HG13	1:B:147:VAL:HG11	9	0.12
(1,2268)	1:B:151:ILE:HG13	1:B:147:VAL:HG12	9	0.12
(1,2268)	1:B:151:ILE:HG13	1:B:147:VAL:HG13	9	0.12
(1,2268)	1:B:151:ILE:HG12	1:B:147:VAL:HG11	11	0.12
(1,2268)	1:B:151:ILE:HG12	1:B:147:VAL:HG12	11	0.12
(1,2268)	1:B:151:ILE:HG12	1:B:147:VAL:HG13	11	0.12
(1,2268)	1:B:151:ILE:HG13	1:B:147:VAL:HG11	11	0.12
(1,2268)	1:B:151:ILE:HG13	1:B:147:VAL:HG12	11	0.12
(1,2268)	1:B:151:ILE:HG13	1:B:147:VAL:HG13	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2268)	1:B:151:ILE:HG12	1:B:147:VAL:HG11	12	0.12
(1,2268)	1:B:151:ILE:HG12	1:B:147:VAL:HG12	12	0.12
(1,2268)	1:B:151:ILE:HG12	1:B:147:VAL:HG13	12	0.12
(1,2268)	1:B:151:ILE:HG13	1:B:147:VAL:HG11	12	0.12
(1,2268)	1:B:151:ILE:HG13	1:B:147:VAL:HG12	12	0.12
(1,2268)	1:B:151:ILE:HG13	1:B:147:VAL:HG13	12	0.12
(1,2268)	1:B:151:ILE:HG12	1:B:147:VAL:HG11	19	0.12
(1,2268)	1:B:151:ILE:HG12	1:B:147:VAL:HG12	19	0.12
(1,2268)	1:B:151:ILE:HG12	1:B:147:VAL:HG13	19	0.12
(1,2268)	1:B:151:ILE:HG13	1:B:147:VAL:HG11	19	0.12
(1,2268)	1:B:151:ILE:HG13	1:B:147:VAL:HG12	19	0.12
(1,2268)	1:B:151:ILE:HG13	1:B:147:VAL:HG13	19	0.12
(1,2143)	1:B:102:VAL:H	1:B:102:VAL:HB	2	0.12
(1,2143)	1:B:102:VAL:H	1:B:102:VAL:HB	3	0.12
(1,2143)	1:B:102:VAL:H	1:B:102:VAL:HB	6	0.12
(1,2143)	1:B:102:VAL:H	1:B:102:VAL:HB	7	0.12
(1,2143)	1:B:102:VAL:H	1:B:102:VAL:HB	14	0.12
(1,2093)	1:B:131:LYS:HE2	1:B:131:LYS:HB2	5	0.12
(1,2093)	1:B:131:LYS:HE2	1:B:131:LYS:HB3	5	0.12
(1,2093)	1:B:131:LYS:HE3	1:B:131:LYS:HB2	5	0.12
(1,2093)	1:B:131:LYS:HE3	1:B:131:LYS:HB3	5	0.12
(1,2078)	1:B:170:GLU:HA	1:B:173:LYS:HB2	11	0.12
(1,2078)	1:B:170:GLU:HA	1:B:173:LYS:HB3	11	0.12
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG2	4	0.12
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG3	4	0.12
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG2	6	0.12
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG3	6	0.12
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG2	7	0.12
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG3	7	0.12
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG2	14	0.12
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG3	14	0.12
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG2	15	0.12
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG3	15	0.12
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG2	16	0.12
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG3	16	0.12
(1,2063)	1:B:150:ALA:HA	1:B:170:GLU:HG2	10	0.12
(1,2063)	1:B:150:ALA:HA	1:B:170:GLU:HG3	10	0.12
(1,2063)	1:B:150:ALA:HA	1:B:170:GLU:HG2	12	0.12
(1,2063)	1:B:150:ALA:HA	1:B:170:GLU:HG3	12	0.12
(1,2063)	1:B:150:ALA:HA	1:B:170:GLU:HG2	15	0.12
(1,2063)	1:B:150:ALA:HA	1:B:170:GLU:HG3	15	0.12
(1,2063)	1:B:150:ALA:HA	1:B:170:GLU:HG2	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2063)	1:B:150:ALA:HA	1:B:170:GLU:HG3	16	0.12
(1,2063)	1:B:150:ALA:HA	1:B:170:GLU:HG2	17	0.12
(1,2063)	1:B:150:ALA:HA	1:B:170:GLU:HG3	17	0.12
(1,2063)	1:B:150:ALA:HA	1:B:170:GLU:HG2	18	0.12
(1,2063)	1:B:150:ALA:HA	1:B:170:GLU:HG3	18	0.12
(1,2040)	1:B:113:VAL:HG21	1:B:118:GLN:HG2	14	0.12
(1,2040)	1:B:113:VAL:HG21	1:B:118:GLN:HG3	14	0.12
(1,2040)	1:B:113:VAL:HG22	1:B:118:GLN:HG2	14	0.12
(1,2040)	1:B:113:VAL:HG22	1:B:118:GLN:HG3	14	0.12
(1,2040)	1:B:113:VAL:HG23	1:B:118:GLN:HG2	14	0.12
(1,2040)	1:B:113:VAL:HG23	1:B:118:GLN:HG3	14	0.12
(1,2033)	1:B:113:VAL:HG21	1:B:118:GLN:HG2	14	0.12
(1,2033)	1:B:113:VAL:HG21	1:B:118:GLN:HG3	14	0.12
(1,2033)	1:B:113:VAL:HG22	1:B:118:GLN:HG2	14	0.12
(1,2033)	1:B:113:VAL:HG22	1:B:118:GLN:HG3	14	0.12
(1,2033)	1:B:113:VAL:HG23	1:B:118:GLN:HG2	14	0.12
(1,2033)	1:B:113:VAL:HG23	1:B:118:GLN:HG3	14	0.12
(1,2023)	1:B:151:ILE:H	1:B:151:ILE:HB	2	0.12
(1,1977)	1:B:174:ILE:HA	1:B:173:LYS:HE2	4	0.12
(1,1977)	1:B:174:ILE:HA	1:B:173:LYS:HE3	4	0.12
(1,1977)	1:B:174:ILE:HA	1:B:173:LYS:HE2	10	0.12
(1,1977)	1:B:174:ILE:HA	1:B:173:LYS:HE3	10	0.12
(1,197)	1:A:51:ASP:H	1:A:52:VAL:HA	15	0.12
(1,1932)	1:B:99:LYS:HD2	1:B:101:PRO:HD2	4	0.12
(1,1932)	1:B:99:LYS:HD2	1:B:101:PRO:HD3	4	0.12
(1,1932)	1:B:99:LYS:HD3	1:B:101:PRO:HD2	4	0.12
(1,1932)	1:B:99:LYS:HD3	1:B:101:PRO:HD3	4	0.12
(1,1927)	1:B:112:ALA:H	1:B:112:ALA:HA	2	0.12
(1,1915)	1:B:151:ILE:H	1:B:150:ALA:HA	5	0.12
(1,1915)	1:B:151:ILE:H	1:B:150:ALA:HA	6	0.12
(1,1915)	1:B:151:ILE:H	1:B:150:ALA:HA	8	0.12
(1,1915)	1:B:151:ILE:H	1:B:150:ALA:HA	9	0.12
(1,1915)	1:B:151:ILE:H	1:B:150:ALA:HA	10	0.12
(1,1915)	1:B:151:ILE:H	1:B:150:ALA:HA	11	0.12
(1,1915)	1:B:151:ILE:H	1:B:150:ALA:HA	16	0.12
(1,1915)	1:B:151:ILE:H	1:B:150:ALA:HA	19	0.12
(1,1915)	1:B:151:ILE:H	1:B:150:ALA:HA	20	0.12
(1,1799)	1:B:175:LYS:HG2	1:B:174:ILE:HA	10	0.12
(1,1799)	1:B:175:LYS:HG3	1:B:174:ILE:HA	10	0.12
(1,1798)	1:B:174:ILE:HD11	1:B:174:ILE:HA	1	0.12
(1,1798)	1:B:174:ILE:HD12	1:B:174:ILE:HA	1	0.12
(1,1798)	1:B:174:ILE:HD13	1:B:174:ILE:HA	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1798)	1:B:174:ILE:HD11	1:B:174:ILE:HA	2	0.12
(1,1798)	1:B:174:ILE:HD12	1:B:174:ILE:HA	2	0.12
(1,1798)	1:B:174:ILE:HD13	1:B:174:ILE:HA	2	0.12
(1,1798)	1:B:174:ILE:HD11	1:B:174:ILE:HA	3	0.12
(1,1798)	1:B:174:ILE:HD12	1:B:174:ILE:HA	3	0.12
(1,1798)	1:B:174:ILE:HD13	1:B:174:ILE:HA	3	0.12
(1,1798)	1:B:174:ILE:HD11	1:B:174:ILE:HA	6	0.12
(1,1798)	1:B:174:ILE:HD12	1:B:174:ILE:HA	6	0.12
(1,1798)	1:B:174:ILE:HD13	1:B:174:ILE:HA	6	0.12
(1,1798)	1:B:174:ILE:HD11	1:B:174:ILE:HA	7	0.12
(1,1798)	1:B:174:ILE:HD12	1:B:174:ILE:HA	7	0.12
(1,1798)	1:B:174:ILE:HD13	1:B:174:ILE:HA	7	0.12
(1,1798)	1:B:174:ILE:HD11	1:B:174:ILE:HA	9	0.12
(1,1798)	1:B:174:ILE:HD12	1:B:174:ILE:HA	9	0.12
(1,1798)	1:B:174:ILE:HD13	1:B:174:ILE:HA	9	0.12
(1,1798)	1:B:174:ILE:HD11	1:B:174:ILE:HA	16	0.12
(1,1798)	1:B:174:ILE:HD12	1:B:174:ILE:HA	16	0.12
(1,1798)	1:B:174:ILE:HD13	1:B:174:ILE:HA	16	0.12
(1,1798)	1:B:174:ILE:HD11	1:B:174:ILE:HA	17	0.12
(1,1798)	1:B:174:ILE:HD12	1:B:174:ILE:HA	17	0.12
(1,1798)	1:B:174:ILE:HD13	1:B:174:ILE:HA	17	0.12
(1,1798)	1:B:174:ILE:HD11	1:B:174:ILE:HA	18	0.12
(1,1798)	1:B:174:ILE:HD12	1:B:174:ILE:HA	18	0.12
(1,1798)	1:B:174:ILE:HD13	1:B:174:ILE:HA	18	0.12
(1,1798)	1:B:174:ILE:HD11	1:B:174:ILE:HA	20	0.12
(1,1798)	1:B:174:ILE:HD12	1:B:174:ILE:HA	20	0.12
(1,1798)	1:B:174:ILE:HD13	1:B:174:ILE:HA	20	0.12
(1,1763)	1:B:140:ASP:H	1:B:141:VAL:HA	7	0.12
(1,1763)	1:B:140:ASP:H	1:B:141:VAL:HA	13	0.12
(1,1763)	1:B:140:ASP:H	1:B:141:VAL:HA	14	0.12
(1,1739)	1:B:119:PRO:HG2	1:B:148:THR:HA	9	0.12
(1,1739)	1:B:119:PRO:HG3	1:B:148:THR:HA	9	0.12
(1,1736)	1:B:128:LEU:HG	1:B:127:ALA:HB1	2	0.12
(1,1736)	1:B:128:LEU:HG	1:B:127:ALA:HB2	2	0.12
(1,1736)	1:B:128:LEU:HG	1:B:127:ALA:HB3	2	0.12
(1,173)	1:A:30:PRO:HG2	1:A:59:THR:HA	12	0.12
(1,173)	1:A:30:PRO:HG3	1:A:59:THR:HA	12	0.12
(1,1633)	1:B:127:ALA:HB1	1:B:124:PHE:HA	16	0.12
(1,1633)	1:B:127:ALA:HB2	1:B:124:PHE:HA	16	0.12
(1,1633)	1:B:127:ALA:HB3	1:B:124:PHE:HA	16	0.12
(1,1633)	1:B:127:ALA:HB1	1:B:124:PHE:HA	18	0.12
(1,1633)	1:B:127:ALA:HB2	1:B:124:PHE:HA	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1633)	1:B:127:ALA:HB3	1:B:124:PHE:HA	18	0.12
(1,1540)	1:A:75:LYS:H	1:A:74:PHE:H	6	0.12
(1,1538)	1:A:73:ASN:H	1:A:72:ALA:H	10	0.12
(1,1517)	1:A:42:LYS:HG2	1:A:43:ASP:H	11	0.12
(1,1517)	1:A:42:LYS:HG3	1:A:43:ASP:H	11	0.12
(1,1481)	1:A:17:THR:H	1:A:16:TRP:H	6	0.12
(1,1481)	1:A:17:THR:H	1:A:16:TRP:H	12	0.12
(1,1445)	1:A:71:GLN:HA	1:A:71:GLN:H	7	0.12
(1,1437)	1:A:31:THR:HA	1:A:31:THR:H	1	0.12
(1,1437)	1:A:31:THR:HA	1:A:31:THR:H	3	0.12
(1,1437)	1:A:31:THR:HA	1:A:31:THR:H	6	0.12
(1,1437)	1:A:31:THR:HA	1:A:31:THR:H	9	0.12
(1,1437)	1:A:31:THR:HA	1:A:31:THR:H	15	0.12
(1,1437)	1:A:31:THR:HA	1:A:31:THR:H	20	0.12
(1,1423)	1:A:39:LEU:HA	1:A:39:LEU:H	8	0.12
(1,1423)	1:A:39:LEU:HA	1:A:39:LEU:H	9	0.12
(1,1423)	1:A:39:LEU:HA	1:A:39:LEU:H	15	0.12
(1,1423)	1:A:39:LEU:HA	1:A:39:LEU:H	19	0.12
(1,1405)	1:A:67:THR:HG21	1:A:67:THR:H	14	0.12
(1,1405)	1:A:67:THR:HG22	1:A:67:THR:H	14	0.12
(1,1405)	1:A:67:THR:HG23	1:A:67:THR:H	14	0.12
(1,1404)	1:A:67:THR:HA	1:A:67:THR:H	1	0.12
(1,1404)	1:A:67:THR:HA	1:A:67:THR:H	5	0.12
(1,1404)	1:A:67:THR:HA	1:A:67:THR:H	9	0.12
(1,1404)	1:A:67:THR:HA	1:A:67:THR:H	10	0.12
(1,1404)	1:A:67:THR:HA	1:A:67:THR:H	14	0.12
(1,1404)	1:A:67:THR:HA	1:A:67:THR:H	17	0.12
(1,1376)	1:A:42:LYS:H	1:A:43:ASP:H	6	0.12
(1,1376)	1:A:42:LYS:H	1:A:43:ASP:H	20	0.12
(1,1327)	1:A:23:ALA:HA	1:A:23:ALA:H	4	0.12
(1,1322)	1:A:70:LYS:HA	1:A:69:ASP:H	3	0.12
(1,1304)	1:A:41:ASN:HA	1:A:41:ASN:H	2	0.12
(1,1304)	1:A:41:ASN:HA	1:A:41:ASN:H	14	0.12
(1,1285)	1:A:86:LYS:HG2	1:A:87:LYS:H	3	0.12
(1,1285)	1:A:86:LYS:HG3	1:A:87:LYS:H	3	0.12
(1,1285)	1:A:86:LYS:HG2	1:A:87:LYS:H	7	0.12
(1,1285)	1:A:86:LYS:HG3	1:A:87:LYS:H	7	0.12
(1,1285)	1:A:86:LYS:HG2	1:A:87:LYS:H	11	0.12
(1,1285)	1:A:86:LYS:HG3	1:A:87:LYS:H	11	0.12
(1,1285)	1:A:86:LYS:HG2	1:A:87:LYS:H	13	0.12
(1,1285)	1:A:86:LYS:HG3	1:A:87:LYS:H	13	0.12
(1,1276)	1:A:64:GLN:HA	1:A:64:GLN:H	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1276)	1:A:64:GLN:HA	1:A:64:GLN:H	9	0.12
(1,1276)	1:A:64:GLN:HA	1:A:64:GLN:H	12	0.12
(1,1276)	1:A:64:GLN:HA	1:A:64:GLN:H	14	0.12
(1,1275)	1:A:43:ASP:H	1:A:42:LYS:H	6	0.12
(1,1275)	1:A:43:ASP:H	1:A:42:LYS:H	20	0.12
(1,1227)	1:A:62:ILE:HG21	1:A:62:ILE:H	5	0.12
(1,1227)	1:A:62:ILE:HG22	1:A:62:ILE:H	5	0.12
(1,1227)	1:A:62:ILE:HG23	1:A:62:ILE:H	5	0.12
(1,1227)	1:A:62:ILE:HG21	1:A:62:ILE:H	6	0.12
(1,1227)	1:A:62:ILE:HG22	1:A:62:ILE:H	6	0.12
(1,1227)	1:A:62:ILE:HG23	1:A:62:ILE:H	6	0.12
(1,1222)	1:A:85:ILE:HG21	1:A:86:LYS:H	7	0.12
(1,1222)	1:A:85:ILE:HG22	1:A:86:LYS:H	7	0.12
(1,1222)	1:A:85:ILE:HG23	1:A:86:LYS:H	7	0.12
(1,1186)	1:A:48:ALA:HA	1:A:48:ALA:H	8	0.12
(1,1186)	1:A:48:ALA:HA	1:A:48:ALA:H	13	0.12
(1,1186)	1:A:48:ALA:HA	1:A:48:ALA:H	20	0.12
(1,1117)	1:A:55:ILE:HA	1:A:58:VAL:HG21	8	0.12
(1,1117)	1:A:55:ILE:HA	1:A:58:VAL:HG22	8	0.12
(1,1117)	1:A:55:ILE:HA	1:A:58:VAL:HG23	8	0.12
(1,1136)	1:A:58:VAL:HA	1:A:58:VAL:H	8	0.12
(1,1136)	1:A:58:VAL:HA	1:A:58:VAL:H	14	0.12
(1,1078)	1:A:86:LYS:HG2	1:A:87:LYS:HA	5	0.12
(1,1078)	1:A:86:LYS:HG3	1:A:87:LYS:HA	5	0.12
(1,1078)	1:A:86:LYS:HG2	1:A:87:LYS:HA	17	0.12
(1,1078)	1:A:86:LYS:HG3	1:A:87:LYS:HA	17	0.12
(1,1065)	1:A:88:ASP:H	1:A:86:LYS:HA	2	0.12
(1,1065)	1:A:88:ASP:H	1:A:86:LYS:HA	5	0.12
(1,1056)	1:A:78:VAL:HG21	1:A:82:TRP:HB2	17	0.12
(1,1056)	1:A:78:VAL:HG21	1:A:82:TRP:HB3	17	0.12
(1,1056)	1:A:78:VAL:HG22	1:A:82:TRP:HB2	17	0.12
(1,1056)	1:A:78:VAL:HG22	1:A:82:TRP:HB3	17	0.12
(1,1056)	1:A:78:VAL:HG23	1:A:82:TRP:HB2	17	0.12
(1,1056)	1:A:78:VAL:HG23	1:A:82:TRP:HB3	17	0.12
(1,1032)	1:A:70:LYS:HG2	1:A:71:GLN:HG2	2	0.12
(1,1032)	1:A:70:LYS:HG2	1:A:71:GLN:HG3	2	0.12
(1,1032)	1:A:70:LYS:HG3	1:A:71:GLN:HG2	2	0.12
(1,1032)	1:A:70:LYS:HG3	1:A:71:GLN:HG3	2	0.12
(1,1023)	1:A:22:LEU:HD21	1:A:70:LYS:HB2	17	0.12
(1,1023)	1:A:22:LEU:HD21	1:A:70:LYS:HB3	17	0.12
(1,1023)	1:A:22:LEU:HD22	1:A:70:LYS:HB2	17	0.12
(1,1023)	1:A:22:LEU:HD22	1:A:70:LYS:HB3	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1023)	1:A:22:LEU:HD23	1:A:70:LYS:HB2	17	0.12
(1,1023)	1:A:22:LEU:HD23	1:A:70:LYS:HB3	17	0.12
(2,6)	1:A:39:LEU:HG	1:B:128:LEU:HB2	5	0.11
(2,6)	1:A:39:LEU:HG	1:B:128:LEU:HB3	5	0.11
(2,3)	1:A:3:ALA:H	1:B:143:GLY:HA2	5	0.11
(2,3)	1:A:3:ALA:H	1:B:143:GLY:HA3	5	0.11
(2,12)	1:B:90:ALA:HB1	1:A:55:ILE:HD11	5	0.11
(2,12)	1:B:90:ALA:HB1	1:A:55:ILE:HD12	5	0.11
(2,12)	1:B:90:ALA:HB1	1:A:55:ILE:HD13	5	0.11
(2,12)	1:B:90:ALA:HB2	1:A:55:ILE:HD11	5	0.11
(2,12)	1:B:90:ALA:HB2	1:A:55:ILE:HD12	5	0.11
(2,12)	1:B:90:ALA:HB2	1:A:55:ILE:HD13	5	0.11
(2,12)	1:B:90:ALA:HB3	1:A:55:ILE:HD11	5	0.11
(2,12)	1:B:90:ALA:HB3	1:A:55:ILE:HD12	5	0.11
(2,12)	1:B:90:ALA:HB3	1:A:55:ILE:HD13	5	0.11
(1,983)	1:A:58:VAL:HB	1:A:57:THR:HB	13	0.11
(1,980)	1:A:63:VAL:H	1:A:65:ALA:HB1	5	0.11
(1,980)	1:A:63:VAL:H	1:A:65:ALA:HB2	5	0.11
(1,980)	1:A:63:VAL:H	1:A:65:ALA:HB3	5	0.11
(1,980)	1:A:63:VAL:H	1:A:65:ALA:HB1	6	0.11
(1,980)	1:A:63:VAL:H	1:A:65:ALA:HB2	6	0.11
(1,980)	1:A:63:VAL:H	1:A:65:ALA:HB3	6	0.11
(1,980)	1:A:63:VAL:H	1:A:65:ALA:HB1	10	0.11
(1,980)	1:A:63:VAL:H	1:A:65:ALA:HB2	10	0.11
(1,980)	1:A:63:VAL:H	1:A:65:ALA:HB3	10	0.11
(1,980)	1:A:63:VAL:H	1:A:65:ALA:HB1	12	0.11
(1,980)	1:A:63:VAL:H	1:A:65:ALA:HB2	12	0.11
(1,980)	1:A:63:VAL:H	1:A:65:ALA:HB3	12	0.11
(1,980)	1:A:63:VAL:H	1:A:65:ALA:HB1	17	0.11
(1,980)	1:A:63:VAL:H	1:A:65:ALA:HB2	17	0.11
(1,980)	1:A:63:VAL:H	1:A:65:ALA:HB3	17	0.11
(1,980)	1:A:63:VAL:H	1:A:65:ALA:HB1	20	0.11
(1,980)	1:A:63:VAL:H	1:A:65:ALA:HB2	20	0.11
(1,980)	1:A:63:VAL:H	1:A:65:ALA:HB3	20	0.11
(1,96)	1:A:85:ILE:HA	1:A:85:ILE:HB	3	0.11
(1,96)	1:A:85:ILE:HA	1:A:85:ILE:HB	15	0.11
(1,952)	1:A:63:VAL:HG21	1:A:64:GLN:HG2	17	0.11
(1,952)	1:A:63:VAL:HG21	1:A:64:GLN:HG3	17	0.11
(1,952)	1:A:63:VAL:HG22	1:A:64:GLN:HG2	17	0.11
(1,952)	1:A:63:VAL:HG22	1:A:64:GLN:HG3	17	0.11
(1,952)	1:A:63:VAL:HG23	1:A:64:GLN:HG2	17	0.11
(1,952)	1:A:63:VAL:HG23	1:A:64:GLN:HG3	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,920)	1:A:33:VAL:HB	1:A:32:ALA:HB1	11	0.11
(1,920)	1:A:33:VAL:HB	1:A:32:ALA:HB2	11	0.11
(1,920)	1:A:33:VAL:HB	1:A:32:ALA:HB3	11	0.11
(1,911)	1:A:31:THR:H	1:A:29:GLN:HG2	3	0.11
(1,911)	1:A:31:THR:H	1:A:29:GLN:HG3	3	0.11
(1,838)	1:A:42:LYS:HE2	1:A:39:LEU:HA	5	0.11
(1,838)	1:A:42:LYS:HE3	1:A:39:LEU:HA	5	0.11
(1,808)	1:A:85:ILE:HA	1:A:85:ILE:HD11	2	0.11
(1,808)	1:A:85:ILE:HA	1:A:85:ILE:HD12	2	0.11
(1,808)	1:A:85:ILE:HA	1:A:85:ILE:HD13	2	0.11
(1,808)	1:A:85:ILE:HA	1:A:85:ILE:HD11	4	0.11
(1,808)	1:A:85:ILE:HA	1:A:85:ILE:HD12	4	0.11
(1,808)	1:A:85:ILE:HA	1:A:85:ILE:HD13	4	0.11
(1,808)	1:A:85:ILE:HA	1:A:85:ILE:HD11	5	0.11
(1,808)	1:A:85:ILE:HA	1:A:85:ILE:HD12	5	0.11
(1,808)	1:A:85:ILE:HA	1:A:85:ILE:HD13	5	0.11
(1,808)	1:A:85:ILE:HA	1:A:85:ILE:HD11	6	0.11
(1,808)	1:A:85:ILE:HA	1:A:85:ILE:HD12	6	0.11
(1,808)	1:A:85:ILE:HA	1:A:85:ILE:HD13	6	0.11
(1,808)	1:A:85:ILE:HA	1:A:85:ILE:HD11	10	0.11
(1,808)	1:A:85:ILE:HA	1:A:85:ILE:HD12	10	0.11
(1,808)	1:A:85:ILE:HA	1:A:85:ILE:HD13	10	0.11
(1,808)	1:A:85:ILE:HA	1:A:85:ILE:HD11	14	0.11
(1,808)	1:A:85:ILE:HA	1:A:85:ILE:HD12	14	0.11
(1,808)	1:A:85:ILE:HA	1:A:85:ILE:HD13	14	0.11
(1,808)	1:A:85:ILE:HA	1:A:85:ILE:HD11	16	0.11
(1,808)	1:A:85:ILE:HA	1:A:85:ILE:HD12	16	0.11
(1,808)	1:A:85:ILE:HA	1:A:85:ILE:HD13	16	0.11
(1,808)	1:A:85:ILE:HA	1:A:85:ILE:HD11	17	0.11
(1,808)	1:A:85:ILE:HA	1:A:85:ILE:HD12	17	0.11
(1,808)	1:A:85:ILE:HA	1:A:85:ILE:HD13	17	0.11
(1,808)	1:A:85:ILE:HA	1:A:85:ILE:HD11	18	0.11
(1,808)	1:A:85:ILE:HA	1:A:85:ILE:HD12	18	0.11
(1,808)	1:A:85:ILE:HA	1:A:85:ILE:HD13	18	0.11
(1,805)	1:A:33:VAL:HG11	1:A:62:ILE:HD11	17	0.11
(1,805)	1:A:33:VAL:HG11	1:A:62:ILE:HD12	17	0.11
(1,805)	1:A:33:VAL:HG11	1:A:62:ILE:HD13	17	0.11
(1,805)	1:A:33:VAL:HG12	1:A:62:ILE:HD11	17	0.11
(1,805)	1:A:33:VAL:HG12	1:A:62:ILE:HD12	17	0.11
(1,805)	1:A:33:VAL:HG12	1:A:62:ILE:HD13	17	0.11
(1,805)	1:A:33:VAL:HG13	1:A:62:ILE:HD11	17	0.11
(1,805)	1:A:33:VAL:HG13	1:A:62:ILE:HD12	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,805)	1:A:33:VAL:HG13	1:A:62:ILE:HD13	17	0.11
(1,777)	1:A:77:LYS:HE2	1:A:65:ALA:HB1	5	0.11
(1,777)	1:A:77:LYS:HE2	1:A:65:ALA:HB2	5	0.11
(1,777)	1:A:77:LYS:HE2	1:A:65:ALA:HB3	5	0.11
(1,777)	1:A:77:LYS:HE3	1:A:65:ALA:HB1	5	0.11
(1,777)	1:A:77:LYS:HE3	1:A:65:ALA:HB2	5	0.11
(1,777)	1:A:77:LYS:HE3	1:A:65:ALA:HB3	5	0.11
(1,762)	1:A:77:LYS:HD2	1:A:72:ALA:HB1	2	0.11
(1,762)	1:A:77:LYS:HD2	1:A:72:ALA:HB2	2	0.11
(1,762)	1:A:77:LYS:HD2	1:A:72:ALA:HB3	2	0.11
(1,762)	1:A:77:LYS:HD3	1:A:72:ALA:HB1	2	0.11
(1,762)	1:A:77:LYS:HD3	1:A:72:ALA:HB2	2	0.11
(1,762)	1:A:77:LYS:HD3	1:A:72:ALA:HB3	2	0.11
(1,747)	1:A:60:PRO:HA	1:A:63:VAL:HG21	20	0.11
(1,747)	1:A:60:PRO:HA	1:A:63:VAL:HG22	20	0.11
(1,747)	1:A:60:PRO:HA	1:A:63:VAL:HG23	20	0.11
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG21	10	0.11
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG22	10	0.11
(1,745)	1:A:37:GLU:H	1:A:78:VAL:HG23	10	0.11
(1,728)	1:A:37:GLU:HG2	1:A:33:VAL:HG21	7	0.11
(1,728)	1:A:37:GLU:HG2	1:A:33:VAL:HG22	7	0.11
(1,728)	1:A:37:GLU:HG2	1:A:33:VAL:HG23	7	0.11
(1,728)	1:A:37:GLU:HG3	1:A:33:VAL:HG21	7	0.11
(1,728)	1:A:37:GLU:HG3	1:A:33:VAL:HG22	7	0.11
(1,728)	1:A:37:GLU:HG3	1:A:33:VAL:HG23	7	0.11
(1,703)	1:A:61:ALA:HB1	1:A:58:VAL:HG11	6	0.11
(1,703)	1:A:61:ALA:HB1	1:A:58:VAL:HG12	6	0.11
(1,703)	1:A:61:ALA:HB1	1:A:58:VAL:HG13	6	0.11
(1,703)	1:A:61:ALA:HB2	1:A:58:VAL:HG11	6	0.11
(1,703)	1:A:61:ALA:HB2	1:A:58:VAL:HG12	6	0.11
(1,703)	1:A:61:ALA:HB2	1:A:58:VAL:HG13	6	0.11
(1,703)	1:A:61:ALA:HB3	1:A:58:VAL:HG11	6	0.11
(1,703)	1:A:61:ALA:HB3	1:A:58:VAL:HG12	6	0.11
(1,703)	1:A:61:ALA:HB3	1:A:58:VAL:HG13	6	0.11
(1,676)	1:A:36:ALA:HB1	1:A:13:VAL:HG11	8	0.11
(1,676)	1:A:36:ALA:HB1	1:A:13:VAL:HG12	8	0.11
(1,676)	1:A:36:ALA:HB1	1:A:13:VAL:HG13	8	0.11
(1,676)	1:A:36:ALA:HB2	1:A:13:VAL:HG11	8	0.11
(1,676)	1:A:36:ALA:HB2	1:A:13:VAL:HG12	8	0.11
(1,676)	1:A:36:ALA:HB2	1:A:13:VAL:HG13	8	0.11
(1,676)	1:A:36:ALA:HB3	1:A:13:VAL:HG11	8	0.11
(1,676)	1:A:36:ALA:HB3	1:A:13:VAL:HG12	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,676)	1:A:36:ALA:HB3	1:A:13:VAL:HG13	8	0.11
(1,664)	1:A:43:ASP:H	1:A:42:LYS:HG2	1	0.11
(1,664)	1:A:43:ASP:H	1:A:42:LYS:HG3	1	0.11
(1,664)	1:A:43:ASP:H	1:A:42:LYS:HG2	18	0.11
(1,664)	1:A:43:ASP:H	1:A:42:LYS:HG3	18	0.11
(1,65)	1:A:85:ILE:HB	1:A:85:ILE:HA	3	0.11
(1,65)	1:A:85:ILE:HB	1:A:85:ILE:HA	15	0.11
(1,639)	1:A:63:VAL:HG11	1:A:29:GLN:HB2	4	0.11
(1,639)	1:A:63:VAL:HG11	1:A:29:GLN:HB3	4	0.11
(1,639)	1:A:63:VAL:HG12	1:A:29:GLN:HB2	4	0.11
(1,639)	1:A:63:VAL:HG12	1:A:29:GLN:HB3	4	0.11
(1,639)	1:A:63:VAL:HG13	1:A:29:GLN:HB2	4	0.11
(1,639)	1:A:63:VAL:HG13	1:A:29:GLN:HB3	4	0.11
(1,512)	1:A:81:GLU:HA	1:A:84:LYS:HB2	5	0.11
(1,512)	1:A:81:GLU:HA	1:A:84:LYS:HB3	5	0.11
(1,512)	1:A:81:GLU:HA	1:A:84:LYS:HB2	8	0.11
(1,512)	1:A:81:GLU:HA	1:A:84:LYS:HB3	8	0.11
(1,512)	1:A:81:GLU:HA	1:A:84:LYS:HB2	10	0.11
(1,512)	1:A:81:GLU:HA	1:A:84:LYS:HB3	10	0.11
(1,501)	1:A:27:SER:H	1:A:26:GLU:HG2	1	0.11
(1,501)	1:A:27:SER:H	1:A:26:GLU:HG3	1	0.11
(1,501)	1:A:27:SER:H	1:A:26:GLU:HG2	6	0.11
(1,501)	1:A:27:SER:H	1:A:26:GLU:HG3	6	0.11
(1,501)	1:A:27:SER:H	1:A:26:GLU:HG2	14	0.11
(1,501)	1:A:27:SER:H	1:A:26:GLU:HG3	14	0.11
(1,501)	1:A:27:SER:H	1:A:26:GLU:HG2	16	0.11
(1,501)	1:A:27:SER:H	1:A:26:GLU:HG3	16	0.11
(1,497)	1:A:61:ALA:HA	1:A:81:GLU:HG2	2	0.11
(1,497)	1:A:61:ALA:HA	1:A:81:GLU:HG3	2	0.11
(1,497)	1:A:61:ALA:HA	1:A:81:GLU:HG2	4	0.11
(1,497)	1:A:61:ALA:HA	1:A:81:GLU:HG3	4	0.11
(1,497)	1:A:61:ALA:HA	1:A:81:GLU:HG2	12	0.11
(1,497)	1:A:61:ALA:HA	1:A:81:GLU:HG3	12	0.11
(1,497)	1:A:61:ALA:HA	1:A:81:GLU:HG2	15	0.11
(1,497)	1:A:61:ALA:HA	1:A:81:GLU:HG3	15	0.11
(1,497)	1:A:61:ALA:HA	1:A:81:GLU:HG2	17	0.11
(1,497)	1:A:61:ALA:HA	1:A:81:GLU:HG3	17	0.11
(1,497)	1:A:61:ALA:HA	1:A:81:GLU:HG2	19	0.11
(1,497)	1:A:61:ALA:HA	1:A:81:GLU:HG3	19	0.11
(1,457)	1:A:62:ILE:H	1:A:62:ILE:HB	11	0.11
(1,457)	1:A:62:ILE:H	1:A:62:ILE:HB	15	0.11
(1,457)	1:A:62:ILE:H	1:A:62:ILE:HB	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,420)	1:A:24:VAL:HG21	1:A:25:ASP:HB2	15	0.11
(1,420)	1:A:24:VAL:HG21	1:A:25:ASP:HB3	15	0.11
(1,420)	1:A:24:VAL:HG22	1:A:25:ASP:HB2	15	0.11
(1,420)	1:A:24:VAL:HG22	1:A:25:ASP:HB3	15	0.11
(1,420)	1:A:24:VAL:HG23	1:A:25:ASP:HB2	15	0.11
(1,420)	1:A:24:VAL:HG23	1:A:25:ASP:HB3	15	0.11
(1,366)	1:A:10:LYS:HD2	1:A:12:PRO:HD2	9	0.11
(1,366)	1:A:10:LYS:HD2	1:A:12:PRO:HD3	9	0.11
(1,366)	1:A:10:LYS:HD3	1:A:12:PRO:HD2	9	0.11
(1,366)	1:A:10:LYS:HD3	1:A:12:PRO:HD3	9	0.11
(1,361)	1:A:23:ALA:H	1:A:23:ALA:HA	2	0.11
(1,361)	1:A:23:ALA:H	1:A:23:ALA:HA	10	0.11
(1,361)	1:A:23:ALA:H	1:A:23:ALA:HA	13	0.11
(1,361)	1:A:23:ALA:H	1:A:23:ALA:HA	19	0.11
(1,349)	1:A:62:ILE:H	1:A:61:ALA:HA	2	0.11
(1,349)	1:A:62:ILE:H	1:A:61:ALA:HA	4	0.11
(1,349)	1:A:62:ILE:H	1:A:61:ALA:HA	9	0.11
(1,349)	1:A:62:ILE:H	1:A:61:ALA:HA	14	0.11
(1,349)	1:A:62:ILE:H	1:A:61:ALA:HA	17	0.11
(1,349)	1:A:62:ILE:H	1:A:61:ALA:HA	18	0.11
(1,3339)	1:B:128:LEU:HD11	1:A:39:LEU:HB2	11	0.11
(1,3339)	1:B:128:LEU:HD11	1:A:39:LEU:HB3	11	0.11
(1,3339)	1:B:128:LEU:HD12	1:A:39:LEU:HB2	11	0.11
(1,3339)	1:B:128:LEU:HD12	1:A:39:LEU:HB3	11	0.11
(1,3339)	1:B:128:LEU:HD13	1:A:39:LEU:HB2	11	0.11
(1,3339)	1:B:128:LEU:HD13	1:A:39:LEU:HB3	11	0.11
(1,3312)	1:B:137:ALA:H	1:A:39:LEU:HG	6	0.11
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG21	18	0.11
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG22	18	0.11
(1,3296)	1:B:117:PHE:HA	1:A:55:ILE:HG23	18	0.11
(1,3290)	1:B:97:ASP:H	1:A:49:VAL:HG11	8	0.11
(1,3290)	1:B:97:ASP:H	1:A:49:VAL:HG12	8	0.11
(1,3290)	1:B:97:ASP:H	1:A:49:VAL:HG13	8	0.11
(1,3289)	1:B:100:LYS:H	1:A:49:VAL:HG11	5	0.11
(1,3289)	1:B:100:LYS:H	1:A:49:VAL:HG12	5	0.11
(1,3289)	1:B:100:LYS:H	1:A:49:VAL:HG13	5	0.11
(1,3288)	1:B:102:VAL:H	1:A:49:VAL:HG11	12	0.11
(1,3288)	1:B:102:VAL:H	1:A:49:VAL:HG12	12	0.11
(1,3288)	1:B:102:VAL:H	1:A:49:VAL:HG13	12	0.11
(1,3220)	1:A:50:LEU:HG	1:B:120:THR:H	4	0.11
(1,3220)	1:A:50:LEU:HG	1:B:120:THR:H	7	0.11
(1,3220)	1:A:50:LEU:HG	1:B:120:THR:H	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3220)	1:A:50:LEU:HG	1:B:120:THR:H	16	0.11
(1,3218)	1:A:50:LEU:HG	1:B:120:THR:HB	8	0.11
(1,3216)	1:A:49:VAL:HG11	1:B:100:LYS:H	5	0.11
(1,3216)	1:A:49:VAL:HG12	1:B:100:LYS:H	5	0.11
(1,3216)	1:A:49:VAL:HG13	1:B:100:LYS:H	5	0.11
(1,3200)	1:A:48:ALA:H	1:B:128:LEU:HG	2	0.11
(1,3200)	1:A:48:ALA:H	1:B:128:LEU:HG	10	0.11
(1,3184)	1:A:28:PHE:HA	1:B:144:ILE:HG21	9	0.11
(1,3184)	1:A:28:PHE:HA	1:B:144:ILE:HG22	9	0.11
(1,3184)	1:A:28:PHE:HA	1:B:144:ILE:HG23	9	0.11
(1,3184)	1:A:28:PHE:HA	1:B:144:ILE:HG21	17	0.11
(1,3184)	1:A:28:PHE:HA	1:B:144:ILE:HG22	17	0.11
(1,3184)	1:A:28:PHE:HA	1:B:144:ILE:HG23	17	0.11
(1,3184)	1:A:28:PHE:HA	1:B:144:ILE:HG21	18	0.11
(1,3184)	1:A:28:PHE:HA	1:B:144:ILE:HG22	18	0.11
(1,3184)	1:A:28:PHE:HA	1:B:144:ILE:HG23	18	0.11
(1,3178)	1:A:8:ASP:H	1:B:138:VAL:HG11	13	0.11
(1,3178)	1:A:8:ASP:H	1:B:138:VAL:HG12	13	0.11
(1,3178)	1:A:8:ASP:H	1:B:138:VAL:HG13	13	0.11
(1,3104)	1:B:162:ASN:H	1:B:161:ALA:H	4	0.11
(1,3104)	1:B:162:ASN:H	1:B:161:ALA:H	14	0.11
(1,3104)	1:B:162:ASN:H	1:B:161:ALA:H	15	0.11
(1,3084)	1:B:133:LYS:HG2	1:B:132:ASP:H	4	0.11
(1,3084)	1:B:133:LYS:HG3	1:B:132:ASP:H	4	0.11
(1,3047)	1:B:106:THR:H	1:B:105:TRP:H	1	0.11
(1,3011)	1:B:160:GLN:HA	1:B:160:GLN:H	5	0.11
(1,3011)	1:B:160:GLN:HA	1:B:160:GLN:H	10	0.11
(1,3011)	1:B:160:GLN:HA	1:B:160:GLN:H	11	0.11
(1,3011)	1:B:160:GLN:HA	1:B:160:GLN:H	20	0.11
(1,3003)	1:B:120:THR:HA	1:B:120:THR:H	4	0.11
(1,3003)	1:B:120:THR:HA	1:B:120:THR:H	5	0.11
(1,3003)	1:B:120:THR:HA	1:B:120:THR:H	6	0.11
(1,3003)	1:B:120:THR:HA	1:B:120:THR:H	7	0.11
(1,3003)	1:B:120:THR:HA	1:B:120:THR:H	15	0.11
(1,3003)	1:B:120:THR:HA	1:B:120:THR:H	16	0.11
(1,2999)	1:B:104:SER:HA	1:B:104:SER:H	14	0.11
(1,2989)	1:B:128:LEU:HA	1:B:128:LEU:H	3	0.11
(1,2989)	1:B:128:LEU:HA	1:B:128:LEU:H	11	0.11
(1,2989)	1:B:128:LEU:HA	1:B:128:LEU:H	14	0.11
(1,2989)	1:B:128:LEU:HA	1:B:128:LEU:H	17	0.11
(1,2971)	1:B:156:THR:HG21	1:B:156:THR:H	11	0.11
(1,2971)	1:B:156:THR:HG22	1:B:156:THR:H	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2971)	1:B:156:THR:HG23	1:B:156:THR:H	11	0.11
(1,2970)	1:B:156:THR:HA	1:B:156:THR:H	7	0.11
(1,2942)	1:B:131:LYS:H	1:B:132:ASP:H	3	0.11
(1,2942)	1:B:131:LYS:H	1:B:132:ASP:H	6	0.11
(1,2907)	1:B:97:ASP:HA	1:B:97:ASP:H	18	0.11
(1,2893)	1:B:112:ALA:HA	1:B:112:ALA:H	8	0.11
(1,2893)	1:B:112:ALA:HA	1:B:112:ALA:H	17	0.11
(1,2870)	1:B:130:ASN:HA	1:B:130:ASN:H	1	0.11
(1,2870)	1:B:130:ASN:HA	1:B:130:ASN:H	8	0.11
(1,2870)	1:B:130:ASN:HA	1:B:130:ASN:H	16	0.11
(1,2870)	1:B:130:ASN:HA	1:B:130:ASN:H	18	0.11
(1,2869)	1:B:109:ASP:HA	1:B:109:ASP:H	1	0.11
(1,2869)	1:B:109:ASP:HA	1:B:109:ASP:H	5	0.11
(1,2842)	1:B:153:GLN:HA	1:B:153:GLN:H	4	0.11
(1,2842)	1:B:153:GLN:HA	1:B:153:GLN:H	10	0.11
(1,2842)	1:B:153:GLN:HA	1:B:153:GLN:H	11	0.11
(1,2841)	1:B:132:ASP:H	1:B:131:LYS:H	3	0.11
(1,2841)	1:B:132:ASP:H	1:B:131:LYS:H	6	0.11
(1,2839)	1:B:131:LYS:HA	1:B:131:LYS:H	4	0.11
(1,2839)	1:B:131:LYS:HA	1:B:131:LYS:H	8	0.11
(1,2839)	1:B:131:LYS:HA	1:B:131:LYS:H	11	0.11
(1,2833)	1:B:150:ALA:HA	1:B:150:ALA:H	12	0.11
(1,2833)	1:B:150:ALA:HA	1:B:150:ALA:H	13	0.11
(1,2833)	1:B:150:ALA:HA	1:B:150:ALA:H	15	0.11
(1,2780)	1:B:166:LYS:HA	1:B:166:LYS:H	6	0.11
(1,2780)	1:B:166:LYS:HA	1:B:166:LYS:H	16	0.11
(1,2752)	1:B:137:ALA:HA	1:B:137:ALA:H	7	0.11
(1,2733)	1:B:104:SER:HA	1:B:105:TRP:H	10	0.11
(1,2681)	1:B:138:VAL:HG11	1:B:139:LEU:H	10	0.11
(1,2681)	1:B:138:VAL:HG12	1:B:139:LEU:H	10	0.11
(1,2681)	1:B:138:VAL:HG13	1:B:139:LEU:H	10	0.11
(1,2681)	1:B:138:VAL:HG11	1:B:139:LEU:H	10	0.11
(1,2681)	1:B:138:VAL:HG12	1:B:139:LEU:H	10	0.11
(1,2681)	1:B:138:VAL:HG13	1:B:139:LEU:H	10	0.11
(1,2681)	1:B:138:VAL:HG11	1:B:139:LEU:H	10	0.11
(1,2681)	1:B:138:VAL:HG12	1:B:139:LEU:H	10	0.11
(1,2681)	1:B:138:VAL:HG13	1:B:139:LEU:H	10	0.11
(1,2644)	1:B:175:LYS:HG2	1:B:176:LYS:HA	8	0.11
(1,2644)	1:B:175:LYS:HG3	1:B:176:LYS:HA	8	0.11
(1,2644)	1:B:175:LYS:HG2	1:B:176:LYS:HA	11	0.11
(1,2644)	1:B:175:LYS:HG3	1:B:176:LYS:HA	11	0.11
(1,2644)	1:B:175:LYS:HG2	1:B:176:LYS:HA	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2644)	1:B:175:LYS:HG3	1:B:176:LYS:HA	15	0.11
(1,2598)	1:B:159:LYS:HG2	1:B:160:GLN:HG2	3	0.11
(1,2598)	1:B:159:LYS:HG2	1:B:160:GLN:HG3	3	0.11
(1,2598)	1:B:159:LYS:HG3	1:B:160:GLN:HG2	3	0.11
(1,2598)	1:B:159:LYS:HG3	1:B:160:GLN:HG3	3	0.11
(1,2598)	1:B:159:LYS:HG2	1:B:160:GLN:HG2	5	0.11
(1,2598)	1:B:159:LYS:HG2	1:B:160:GLN:HG3	5	0.11
(1,2598)	1:B:159:LYS:HG3	1:B:160:GLN:HG2	5	0.11
(1,2598)	1:B:159:LYS:HG3	1:B:160:GLN:HG3	5	0.11
(1,2565)	1:B:150:ALA:H	1:B:148:THR:HG21	14	0.11
(1,2565)	1:B:150:ALA:H	1:B:148:THR:HG22	14	0.11
(1,2565)	1:B:150:ALA:H	1:B:148:THR:HG23	14	0.11
(1,2565)	1:B:150:ALA:H	1:B:148:THR:HG21	20	0.11
(1,2565)	1:B:150:ALA:H	1:B:148:THR:HG22	20	0.11
(1,2565)	1:B:150:ALA:H	1:B:148:THR:HG23	20	0.11
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG21	9	0.11
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG22	9	0.11
(1,2559)	1:B:150:ALA:HB1	1:B:147:VAL:HG23	9	0.11
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG21	9	0.11
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG22	9	0.11
(1,2559)	1:B:150:ALA:HB2	1:B:147:VAL:HG23	9	0.11
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG21	9	0.11
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG22	9	0.11
(1,2559)	1:B:150:ALA:HB3	1:B:147:VAL:HG23	9	0.11
(1,2546)	1:B:152:VAL:H	1:B:154:ALA:HB1	10	0.11
(1,2546)	1:B:152:VAL:H	1:B:154:ALA:HB2	10	0.11
(1,2546)	1:B:152:VAL:H	1:B:154:ALA:HB3	10	0.11
(1,2546)	1:B:152:VAL:H	1:B:154:ALA:HB1	11	0.11
(1,2546)	1:B:152:VAL:H	1:B:154:ALA:HB2	11	0.11
(1,2546)	1:B:152:VAL:H	1:B:154:ALA:HB3	11	0.11
(1,2546)	1:B:152:VAL:H	1:B:154:ALA:HB1	16	0.11
(1,2546)	1:B:152:VAL:H	1:B:154:ALA:HB2	16	0.11
(1,2546)	1:B:152:VAL:H	1:B:154:ALA:HB3	16	0.11
(1,2546)	1:B:152:VAL:H	1:B:154:ALA:HB1	19	0.11
(1,2546)	1:B:152:VAL:H	1:B:154:ALA:HB2	19	0.11
(1,2546)	1:B:152:VAL:H	1:B:154:ALA:HB3	19	0.11
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD11	5	0.11
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD12	5	0.11
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD13	5	0.11
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD11	11	0.11
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD12	11	0.11
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD13	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD11	12	0.11
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD12	12	0.11
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD13	12	0.11
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD11	15	0.11
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD12	15	0.11
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD13	15	0.11
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD11	19	0.11
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD12	19	0.11
(1,2374)	1:B:174:ILE:HA	1:B:174:ILE:HD13	19	0.11
(1,2367)	1:B:151:ILE:HA	1:B:151:ILE:HD11	7	0.11
(1,2367)	1:B:151:ILE:HA	1:B:151:ILE:HD12	7	0.11
(1,2367)	1:B:151:ILE:HA	1:B:151:ILE:HD13	7	0.11
(1,2351)	1:B:164:LYS:HB2	1:B:125:ALA:HB1	11	0.11
(1,2351)	1:B:164:LYS:HB2	1:B:125:ALA:HB2	11	0.11
(1,2351)	1:B:164:LYS:HB2	1:B:125:ALA:HB3	11	0.11
(1,2351)	1:B:164:LYS:HB3	1:B:125:ALA:HB1	11	0.11
(1,2351)	1:B:164:LYS:HB3	1:B:125:ALA:HB2	11	0.11
(1,2351)	1:B:164:LYS:HB3	1:B:125:ALA:HB3	11	0.11
(1,2328)	1:B:166:LYS:HD2	1:B:161:ALA:HB1	1	0.11
(1,2328)	1:B:166:LYS:HD2	1:B:161:ALA:HB2	1	0.11
(1,2328)	1:B:166:LYS:HD2	1:B:161:ALA:HB3	1	0.11
(1,2328)	1:B:166:LYS:HD3	1:B:161:ALA:HB1	1	0.11
(1,2328)	1:B:166:LYS:HD3	1:B:161:ALA:HB2	1	0.11
(1,2328)	1:B:166:LYS:HD3	1:B:161:ALA:HB3	1	0.11
(1,232)	1:A:85:ILE:HD11	1:A:85:ILE:HA	2	0.11
(1,232)	1:A:85:ILE:HD12	1:A:85:ILE:HA	2	0.11
(1,232)	1:A:85:ILE:HD13	1:A:85:ILE:HA	2	0.11
(1,232)	1:A:85:ILE:HD11	1:A:85:ILE:HA	4	0.11
(1,232)	1:A:85:ILE:HD12	1:A:85:ILE:HA	4	0.11
(1,232)	1:A:85:ILE:HD13	1:A:85:ILE:HA	4	0.11
(1,232)	1:A:85:ILE:HD11	1:A:85:ILE:HA	5	0.11
(1,232)	1:A:85:ILE:HD12	1:A:85:ILE:HA	5	0.11
(1,232)	1:A:85:ILE:HD13	1:A:85:ILE:HA	5	0.11
(1,232)	1:A:85:ILE:HD11	1:A:85:ILE:HA	6	0.11
(1,232)	1:A:85:ILE:HD12	1:A:85:ILE:HA	6	0.11
(1,232)	1:A:85:ILE:HD13	1:A:85:ILE:HA	6	0.11
(1,232)	1:A:85:ILE:HD11	1:A:85:ILE:HA	10	0.11
(1,232)	1:A:85:ILE:HD12	1:A:85:ILE:HA	10	0.11
(1,232)	1:A:85:ILE:HD13	1:A:85:ILE:HA	10	0.11
(1,232)	1:A:85:ILE:HD11	1:A:85:ILE:HA	14	0.11
(1,232)	1:A:85:ILE:HD12	1:A:85:ILE:HA	14	0.11
(1,232)	1:A:85:ILE:HD13	1:A:85:ILE:HA	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,232)	1:A:85:ILE:HD11	1:A:85:ILE:HA	16	0.11
(1,232)	1:A:85:ILE:HD12	1:A:85:ILE:HA	16	0.11
(1,232)	1:A:85:ILE:HD13	1:A:85:ILE:HA	16	0.11
(1,232)	1:A:85:ILE:HD11	1:A:85:ILE:HA	17	0.11
(1,232)	1:A:85:ILE:HD12	1:A:85:ILE:HA	17	0.11
(1,232)	1:A:85:ILE:HD13	1:A:85:ILE:HA	17	0.11
(1,232)	1:A:85:ILE:HD11	1:A:85:ILE:HA	18	0.11
(1,232)	1:A:85:ILE:HD12	1:A:85:ILE:HA	18	0.11
(1,232)	1:A:85:ILE:HD13	1:A:85:ILE:HA	18	0.11
(1,2294)	1:B:126:GLU:HG2	1:B:122:VAL:HG21	13	0.11
(1,2294)	1:B:126:GLU:HG2	1:B:122:VAL:HG22	13	0.11
(1,2294)	1:B:126:GLU:HG2	1:B:122:VAL:HG23	13	0.11
(1,2294)	1:B:126:GLU:HG3	1:B:122:VAL:HG21	13	0.11
(1,2294)	1:B:126:GLU:HG3	1:B:122:VAL:HG22	13	0.11
(1,2294)	1:B:126:GLU:HG3	1:B:122:VAL:HG23	13	0.11
(1,2277)	1:B:105:TRP:HA	1:B:106:THR:HG21	12	0.11
(1,2277)	1:B:105:TRP:HA	1:B:106:THR:HG22	12	0.11
(1,2277)	1:B:105:TRP:HA	1:B:106:THR:HG23	12	0.11
(1,2268)	1:B:151:ILE:HG12	1:B:147:VAL:HG11	8	0.11
(1,2268)	1:B:151:ILE:HG12	1:B:147:VAL:HG12	8	0.11
(1,2268)	1:B:151:ILE:HG12	1:B:147:VAL:HG13	8	0.11
(1,2268)	1:B:151:ILE:HG13	1:B:147:VAL:HG11	8	0.11
(1,2268)	1:B:151:ILE:HG13	1:B:147:VAL:HG12	8	0.11
(1,2268)	1:B:151:ILE:HG13	1:B:147:VAL:HG13	8	0.11
(1,2268)	1:B:151:ILE:HG12	1:B:147:VAL:HG11	15	0.11
(1,2268)	1:B:151:ILE:HG12	1:B:147:VAL:HG12	15	0.11
(1,2268)	1:B:151:ILE:HG12	1:B:147:VAL:HG13	15	0.11
(1,2268)	1:B:151:ILE:HG13	1:B:147:VAL:HG11	15	0.11
(1,2268)	1:B:151:ILE:HG13	1:B:147:VAL:HG12	15	0.11
(1,2268)	1:B:151:ILE:HG13	1:B:147:VAL:HG13	15	0.11
(1,2268)	1:B:151:ILE:HG12	1:B:147:VAL:HG11	20	0.11
(1,2268)	1:B:151:ILE:HG12	1:B:147:VAL:HG12	20	0.11
(1,2268)	1:B:151:ILE:HG12	1:B:147:VAL:HG13	20	0.11
(1,2268)	1:B:151:ILE:HG13	1:B:147:VAL:HG11	20	0.11
(1,2268)	1:B:151:ILE:HG13	1:B:147:VAL:HG12	20	0.11
(1,2268)	1:B:151:ILE:HG13	1:B:147:VAL:HG13	20	0.11
(1,2236)	1:B:128:LEU:HD11	1:B:131:LYS:HG2	9	0.11
(1,2236)	1:B:128:LEU:HD11	1:B:131:LYS:HG3	9	0.11
(1,2236)	1:B:128:LEU:HD12	1:B:131:LYS:HG2	9	0.11
(1,2236)	1:B:128:LEU:HD12	1:B:131:LYS:HG3	9	0.11
(1,2236)	1:B:128:LEU:HD13	1:B:131:LYS:HG2	9	0.11
(1,2236)	1:B:128:LEU:HD13	1:B:131:LYS:HG3	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2212)	1:B:144:ILE:HG21	1:B:122:VAL:HG11	5	0.11
(1,2212)	1:B:144:ILE:HG21	1:B:122:VAL:HG12	5	0.11
(1,2212)	1:B:144:ILE:HG21	1:B:122:VAL:HG13	5	0.11
(1,2212)	1:B:144:ILE:HG22	1:B:122:VAL:HG11	5	0.11
(1,2212)	1:B:144:ILE:HG22	1:B:122:VAL:HG12	5	0.11
(1,2212)	1:B:144:ILE:HG22	1:B:122:VAL:HG13	5	0.11
(1,2212)	1:B:144:ILE:HG23	1:B:122:VAL:HG11	5	0.11
(1,2212)	1:B:144:ILE:HG23	1:B:122:VAL:HG12	5	0.11
(1,2212)	1:B:144:ILE:HG23	1:B:122:VAL:HG13	5	0.11
(1,2143)	1:B:102:VAL:H	1:B:102:VAL:HB	9	0.11
(1,2143)	1:B:102:VAL:H	1:B:102:VAL:HB	10	0.11
(1,2143)	1:B:102:VAL:H	1:B:102:VAL:HB	20	0.11
(1,2122)	1:B:167:VAL:H	1:B:167:VAL:HB	8	0.11
(1,2081)	1:B:173:LYS:HD2	1:B:173:LYS:HB2	4	0.11
(1,2081)	1:B:173:LYS:HD2	1:B:173:LYS:HB3	4	0.11
(1,2081)	1:B:173:LYS:HD3	1:B:173:LYS:HB2	4	0.11
(1,2081)	1:B:173:LYS:HD3	1:B:173:LYS:HB3	4	0.11
(1,2081)	1:B:173:LYS:HD2	1:B:173:LYS:HB2	10	0.11
(1,2081)	1:B:173:LYS:HD2	1:B:173:LYS:HB3	10	0.11
(1,2081)	1:B:173:LYS:HD3	1:B:173:LYS:HB2	10	0.11
(1,2081)	1:B:173:LYS:HD3	1:B:173:LYS:HB3	10	0.11
(1,2080)	1:B:173:LYS:HE2	1:B:173:LYS:HB2	6	0.11
(1,2080)	1:B:173:LYS:HE2	1:B:173:LYS:HB3	6	0.11
(1,2080)	1:B:173:LYS:HE3	1:B:173:LYS:HB2	6	0.11
(1,2080)	1:B:173:LYS:HE3	1:B:173:LYS:HB3	6	0.11
(1,2080)	1:B:173:LYS:HE2	1:B:173:LYS:HB2	17	0.11
(1,2080)	1:B:173:LYS:HE2	1:B:173:LYS:HB3	17	0.11
(1,2080)	1:B:173:LYS:HE3	1:B:173:LYS:HB2	17	0.11
(1,2080)	1:B:173:LYS:HE3	1:B:173:LYS:HB3	17	0.11
(1,2078)	1:B:170:GLU:HA	1:B:173:LYS:HB2	13	0.11
(1,2078)	1:B:170:GLU:HA	1:B:173:LYS:HB3	13	0.11
(1,2078)	1:B:170:GLU:HA	1:B:173:LYS:HB2	15	0.11
(1,2078)	1:B:170:GLU:HA	1:B:173:LYS:HB3	15	0.11
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG2	10	0.11
(1,2067)	1:B:116:SER:H	1:B:115:GLU:HG3	10	0.11
(1,2063)	1:B:150:ALA:HA	1:B:170:GLU:HG2	3	0.11
(1,2063)	1:B:150:ALA:HA	1:B:170:GLU:HG3	3	0.11
(1,2063)	1:B:150:ALA:HA	1:B:170:GLU:HG2	11	0.11
(1,2063)	1:B:150:ALA:HA	1:B:170:GLU:HG3	11	0.11
(1,2063)	1:B:150:ALA:HA	1:B:170:GLU:HG2	14	0.11
(1,2063)	1:B:150:ALA:HA	1:B:170:GLU:HG3	14	0.11
(1,2063)	1:B:150:ALA:HA	1:B:170:GLU:HG2	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2063)	1:B:150:ALA:HA	1:B:170:GLU:HG3	20	0.11
(1,197)	1:A:51:ASP:H	1:A:52:VAL:HA	9	0.11
(1,197)	1:A:51:ASP:H	1:A:52:VAL:HA	16	0.11
(1,1932)	1:B:99:LYS:HD2	1:B:101:PRO:HD2	16	0.11
(1,1932)	1:B:99:LYS:HD2	1:B:101:PRO:HD3	16	0.11
(1,1932)	1:B:99:LYS:HD3	1:B:101:PRO:HD2	16	0.11
(1,1932)	1:B:99:LYS:HD3	1:B:101:PRO:HD3	16	0.11
(1,1927)	1:B:112:ALA:H	1:B:112:ALA:HA	8	0.11
(1,1927)	1:B:112:ALA:H	1:B:112:ALA:HA	17	0.11
(1,1915)	1:B:151:ILE:H	1:B:150:ALA:HA	1	0.11
(1,1915)	1:B:151:ILE:H	1:B:150:ALA:HA	2	0.11
(1,1915)	1:B:151:ILE:H	1:B:150:ALA:HA	3	0.11
(1,1915)	1:B:151:ILE:H	1:B:150:ALA:HA	7	0.11
(1,1915)	1:B:151:ILE:H	1:B:150:ALA:HA	13	0.11
(1,1915)	1:B:151:ILE:H	1:B:150:ALA:HA	14	0.11
(1,1915)	1:B:151:ILE:H	1:B:150:ALA:HA	15	0.11
(1,1915)	1:B:151:ILE:H	1:B:150:ALA:HA	17	0.11
(1,1915)	1:B:151:ILE:H	1:B:150:ALA:HA	18	0.11
(1,1893)	1:B:111:LEU:HG	1:B:111:LEU:HA	7	0.11
(1,1869)	1:B:170:GLU:H	1:B:170:GLU:HA	14	0.11
(1,1867)	1:B:131:LYS:H	1:B:131:LYS:HA	4	0.11
(1,1867)	1:B:131:LYS:H	1:B:131:LYS:HA	8	0.11
(1,1867)	1:B:131:LYS:H	1:B:131:LYS:HA	11	0.11
(1,1822)	1:B:163:PHE:H	1:B:106:THR:HA	2	0.11
(1,1798)	1:B:174:ILE:HD11	1:B:174:ILE:HA	5	0.11
(1,1798)	1:B:174:ILE:HD12	1:B:174:ILE:HA	5	0.11
(1,1798)	1:B:174:ILE:HD13	1:B:174:ILE:HA	5	0.11
(1,1798)	1:B:174:ILE:HD11	1:B:174:ILE:HA	11	0.11
(1,1798)	1:B:174:ILE:HD12	1:B:174:ILE:HA	11	0.11
(1,1798)	1:B:174:ILE:HD13	1:B:174:ILE:HA	11	0.11
(1,1798)	1:B:174:ILE:HD11	1:B:174:ILE:HA	12	0.11
(1,1798)	1:B:174:ILE:HD12	1:B:174:ILE:HA	12	0.11
(1,1798)	1:B:174:ILE:HD13	1:B:174:ILE:HA	12	0.11
(1,1798)	1:B:174:ILE:HD11	1:B:174:ILE:HA	15	0.11
(1,1798)	1:B:174:ILE:HD12	1:B:174:ILE:HA	15	0.11
(1,1798)	1:B:174:ILE:HD13	1:B:174:ILE:HA	15	0.11
(1,1798)	1:B:174:ILE:HD11	1:B:174:ILE:HA	19	0.11
(1,1798)	1:B:174:ILE:HD12	1:B:174:ILE:HA	19	0.11
(1,1798)	1:B:174:ILE:HD13	1:B:174:ILE:HA	19	0.11
(1,1763)	1:B:140:ASP:H	1:B:141:VAL:HA	8	0.11
(1,1763)	1:B:140:ASP:H	1:B:141:VAL:HA	18	0.11
(1,1739)	1:B:119:PRO:HG2	1:B:148:THR:HA	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1739)	1:B:119:PRO:HG3	1:B:148:THR:HA	11	0.11
(1,1736)	1:B:128:LEU:HG	1:B:127:ALA:HB1	4	0.11
(1,1736)	1:B:128:LEU:HG	1:B:127:ALA:HB2	4	0.11
(1,1736)	1:B:128:LEU:HG	1:B:127:ALA:HB3	4	0.11
(1,1707)	1:B:144:ILE:HG12	1:B:122:VAL:HG21	17	0.11
(1,1707)	1:B:144:ILE:HG12	1:B:122:VAL:HG22	17	0.11
(1,1707)	1:B:144:ILE:HG12	1:B:122:VAL:HG23	17	0.11
(1,1707)	1:B:144:ILE:HG13	1:B:122:VAL:HG21	17	0.11
(1,1707)	1:B:144:ILE:HG13	1:B:122:VAL:HG22	17	0.11
(1,1707)	1:B:144:ILE:HG13	1:B:122:VAL:HG23	17	0.11
(1,1676)	1:B:149:PRO:HA	1:B:152:VAL:HG11	15	0.11
(1,1676)	1:B:149:PRO:HA	1:B:152:VAL:HG12	15	0.11
(1,1676)	1:B:149:PRO:HA	1:B:152:VAL:HG13	15	0.11
(1,1662)	1:B:174:ILE:HA	1:B:174:ILE:HB	17	0.11
(1,1644)	1:B:176:LYS:HG2	1:B:176:LYS:HA	16	0.11
(1,1644)	1:B:176:LYS:HG3	1:B:176:LYS:HA	16	0.11
(1,1631)	1:B:174:ILE:HB	1:B:174:ILE:HA	17	0.11
(1,1538)	1:A:73:ASN:H	1:A:72:ALA:H	1	0.11
(1,1538)	1:A:73:ASN:H	1:A:72:ALA:H	2	0.11
(1,1538)	1:A:73:ASN:H	1:A:72:ALA:H	6	0.11
(1,1538)	1:A:73:ASN:H	1:A:72:ALA:H	18	0.11
(1,1517)	1:A:42:LYS:HG2	1:A:43:ASP:H	1	0.11
(1,1517)	1:A:42:LYS:HG3	1:A:43:ASP:H	1	0.11
(1,1517)	1:A:42:LYS:HG2	1:A:43:ASP:H	18	0.11
(1,1517)	1:A:42:LYS:HG3	1:A:43:ASP:H	18	0.11
(1,1481)	1:A:17:THR:H	1:A:16:TRP:H	9	0.11
(1,1445)	1:A:71:GLN:HA	1:A:71:GLN:H	1	0.11
(1,1445)	1:A:71:GLN:HA	1:A:71:GLN:H	2	0.11
(1,1445)	1:A:71:GLN:HA	1:A:71:GLN:H	3	0.11
(1,1445)	1:A:71:GLN:HA	1:A:71:GLN:H	5	0.11
(1,1445)	1:A:71:GLN:HA	1:A:71:GLN:H	8	0.11
(1,1445)	1:A:71:GLN:HA	1:A:71:GLN:H	9	0.11
(1,1445)	1:A:71:GLN:HA	1:A:71:GLN:H	14	0.11
(1,1445)	1:A:71:GLN:HA	1:A:71:GLN:H	16	0.11
(1,1445)	1:A:71:GLN:HA	1:A:71:GLN:H	17	0.11
(1,1445)	1:A:71:GLN:HA	1:A:71:GLN:H	18	0.11
(1,1445)	1:A:71:GLN:HA	1:A:71:GLN:H	19	0.11
(1,1437)	1:A:31:THR:HA	1:A:31:THR:H	2	0.11
(1,1437)	1:A:31:THR:HA	1:A:31:THR:H	4	0.11
(1,1437)	1:A:31:THR:HA	1:A:31:THR:H	5	0.11
(1,1437)	1:A:31:THR:HA	1:A:31:THR:H	7	0.11
(1,1437)	1:A:31:THR:HA	1:A:31:THR:H	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1437)	1:A:31:THR:HA	1:A:31:THR:H	11	0.11
(1,1437)	1:A:31:THR:HA	1:A:31:THR:H	12	0.11
(1,1433)	1:A:15:SER:HA	1:A:15:SER:H	9	0.11
(1,1423)	1:A:39:LEU:HA	1:A:39:LEU:H	14	0.11
(1,1405)	1:A:67:THR:HG21	1:A:67:THR:H	1	0.11
(1,1405)	1:A:67:THR:HG22	1:A:67:THR:H	1	0.11
(1,1405)	1:A:67:THR:HG23	1:A:67:THR:H	1	0.11
(1,1405)	1:A:67:THR:HG21	1:A:67:THR:H	10	0.11
(1,1405)	1:A:67:THR:HG22	1:A:67:THR:H	10	0.11
(1,1405)	1:A:67:THR:HG23	1:A:67:THR:H	10	0.11
(1,1405)	1:A:67:THR:HG21	1:A:67:THR:H	13	0.11
(1,1405)	1:A:67:THR:HG22	1:A:67:THR:H	13	0.11
(1,1405)	1:A:67:THR:HG23	1:A:67:THR:H	13	0.11
(1,1404)	1:A:67:THR:HA	1:A:67:THR:H	4	0.11
(1,1404)	1:A:67:THR:HA	1:A:67:THR:H	13	0.11
(1,1404)	1:A:67:THR:HA	1:A:67:THR:H	20	0.11
(1,1387)	1:A:78:VAL:HG21	1:A:37:GLU:H	10	0.11
(1,1387)	1:A:78:VAL:HG22	1:A:37:GLU:H	10	0.11
(1,1387)	1:A:78:VAL:HG23	1:A:37:GLU:H	10	0.11
(1,1376)	1:A:42:LYS:H	1:A:43:ASP:H	19	0.11
(1,1327)	1:A:23:ALA:HA	1:A:23:ALA:H	2	0.11
(1,1327)	1:A:23:ALA:HA	1:A:23:ALA:H	10	0.11
(1,1327)	1:A:23:ALA:HA	1:A:23:ALA:H	13	0.11
(1,1327)	1:A:23:ALA:HA	1:A:23:ALA:H	19	0.11
(1,1322)	1:A:70:LYS:HA	1:A:69:ASP:H	5	0.11
(1,1304)	1:A:41:ASN:HA	1:A:41:ASN:H	5	0.11
(1,1304)	1:A:41:ASN:HA	1:A:41:ASN:H	6	0.11
(1,1304)	1:A:41:ASN:HA	1:A:41:ASN:H	7	0.11
(1,1304)	1:A:41:ASN:HA	1:A:41:ASN:H	13	0.11
(1,1285)	1:A:86:LYS:HG2	1:A:87:LYS:H	1	0.11
(1,1285)	1:A:86:LYS:HG3	1:A:87:LYS:H	1	0.11
(1,1285)	1:A:86:LYS:HG2	1:A:87:LYS:H	4	0.11
(1,1285)	1:A:86:LYS:HG3	1:A:87:LYS:H	4	0.11
(1,1285)	1:A:86:LYS:HG2	1:A:87:LYS:H	8	0.11
(1,1285)	1:A:86:LYS:HG3	1:A:87:LYS:H	8	0.11
(1,1285)	1:A:86:LYS:HG2	1:A:87:LYS:H	9	0.11
(1,1285)	1:A:86:LYS:HG3	1:A:87:LYS:H	9	0.11
(1,1276)	1:A:64:GLN:HA	1:A:64:GLN:H	1	0.11
(1,1276)	1:A:64:GLN:HA	1:A:64:GLN:H	6	0.11
(1,1276)	1:A:64:GLN:HA	1:A:64:GLN:H	7	0.11
(1,1276)	1:A:64:GLN:HA	1:A:64:GLN:H	8	0.11
(1,1276)	1:A:64:GLN:HA	1:A:64:GLN:H	11	0.11

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1276)	1:A:64:GLN:HA	1:A:64:GLN:H	13	0.11
(1,1276)	1:A:64:GLN:HA	1:A:64:GLN:H	16	0.11
(1,1276)	1:A:64:GLN:HA	1:A:64:GLN:H	19	0.11
(1,1276)	1:A:64:GLN:HA	1:A:64:GLN:H	20	0.11
(1,1275)	1:A:43:ASP:H	1:A:42:LYS:H	19	0.11
(1,1249)	1:A:10:LYS:HA	1:A:10:LYS:H	10	0.11
(1,1249)	1:A:10:LYS:HA	1:A:10:LYS:H	12	0.11
(1,1222)	1:A:85:ILE:HG21	1:A:86:LYS:H	12	0.11
(1,1222)	1:A:85:ILE:HG22	1:A:86:LYS:H	12	0.11
(1,1222)	1:A:85:ILE:HG23	1:A:86:LYS:H	12	0.11
(1,1222)	1:A:85:ILE:HG21	1:A:86:LYS:H	19	0.11
(1,1222)	1:A:85:ILE:HG22	1:A:86:LYS:H	19	0.11
(1,1222)	1:A:85:ILE:HG23	1:A:86:LYS:H	19	0.11
(1,1186)	1:A:48:ALA:HA	1:A:48:ALA:H	9	0.11
(1,1182)	1:A:88:ASP:H	1:A:89:MET:H	6	0.11
(1,1182)	1:A:88:ASP:H	1:A:89:MET:H	18	0.11
(1,1136)	1:A:58:VAL:HA	1:A:58:VAL:H	9	0.11
(1,1136)	1:A:58:VAL:HA	1:A:58:VAL:H	18	0.11
(1,1115)	1:A:49:VAL:HG11	1:A:50:LEU:H	17	0.11
(1,1115)	1:A:49:VAL:HG12	1:A:50:LEU:H	17	0.11
(1,1115)	1:A:49:VAL:HG13	1:A:50:LEU:H	17	0.11
(1,1115)	1:A:49:VAL:HG11	1:A:50:LEU:H	17	0.11
(1,1115)	1:A:49:VAL:HG12	1:A:50:LEU:H	17	0.11
(1,1115)	1:A:49:VAL:HG13	1:A:50:LEU:H	17	0.11
(1,1115)	1:A:49:VAL:HG11	1:A:50:LEU:H	17	0.11
(1,1115)	1:A:49:VAL:HG12	1:A:50:LEU:H	17	0.11
(1,1115)	1:A:49:VAL:HG13	1:A:50:LEU:H	17	0.11
(1,1080)	1:A:21:PHE:H	1:A:70:LYS:HA	5	0.11
(1,1078)	1:A:86:LYS:HG2	1:A:87:LYS:HA	6	0.11
(1,1078)	1:A:86:LYS:HG3	1:A:87:LYS:HA	6	0.11
(1,1078)	1:A:86:LYS:HG2	1:A:87:LYS:HA	20	0.11
(1,1078)	1:A:86:LYS:HG3	1:A:87:LYS:HA	20	0.11
(1,1039)	1:A:77:LYS:HB2	1:A:74:PHE:HA	9	0.11
(1,1039)	1:A:77:LYS:HB3	1:A:74:PHE:HA	9	0.11
(1,1032)	1:A:70:LYS:HG2	1:A:71:GLN:HG2	13	0.11
(1,1032)	1:A:70:LYS:HG2	1:A:71:GLN:HG3	13	0.11
(1,1032)	1:A:70:LYS:HG3	1:A:71:GLN:HG2	13	0.11
(1,1032)	1:A:70:LYS:HG3	1:A:71:GLN:HG3	13	0.11
(1,1032)	1:A:70:LYS:HG2	1:A:71:GLN:HG2	18	0.11
(1,1032)	1:A:70:LYS:HG2	1:A:71:GLN:HG3	18	0.11
(1,1032)	1:A:70:LYS:HG3	1:A:71:GLN:HG2	18	0.11
(1,1032)	1:A:70:LYS:HG3	1:A:71:GLN:HG3	18	0.11

## 10 Dihedral-angle violation analysis

No dihedral-angle restraints found