



# Full wwPDB NMR Structure Validation Report ⓘ

Dec 25, 2024 – 04:30 PM EST

PDB ID : 6XOR  
BMRB ID : 30768  
Title : Structure of the Self-Association Domain of Swallow  
Authors : Loening, N.M.; Barbar, E.  
Deposited on : 2020-07-07

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 : 20231227.v01 (using entries in the PDB archive December 27th 2023)  
wwPDB-RCI : v\_1n\_11\_5\_13\_A (Berjanski et al., 2005)  
PANAV : Wang et al. (2010)  
wwPDB-ShiftChecker : v1.2  
BMRB Restraints Analysis : v1.2  
Ideal geometry (proteins) : Engh & Huber (2001)  
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)  
Validation Pipeline (wwPDB-VP) : 2.40

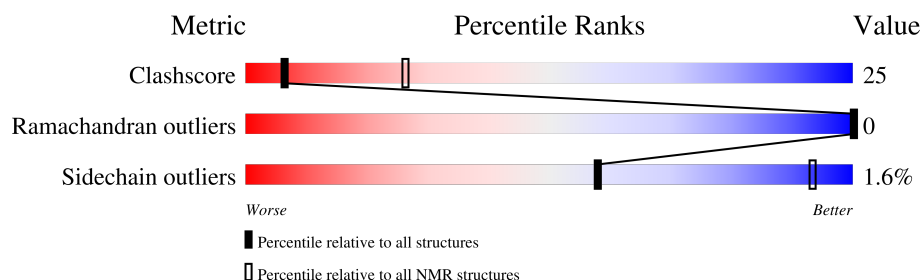
# 1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

*SOLUTION NMR*

The overall completeness of chemical shifts assignment is 47%.

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



Metric	Whole archive (#Entries)	NMR archive (#Entries)
Clashscore	210492	14027
Ramachandran outliers	207382	12486
Sidechain outliers	206894	12463

The table below summarises the geometric issues observed across the polymeric chains and their fit to the experimental data. The red, orange, yellow and green segments indicate the fraction of residues that contain outliers for  $\geq 3$ , 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	71	<div> <div>54%</div> <div>24%</div> <div>23%</div> </div>
1	B	71	<div> <div>54%</div> <div>24%</div> <div>23%</div> </div>

## 2 Ensemble composition and analysis

This entry contains 20 models. Model 10 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:215-A:269, B:215-B:269 (110)	0.39	10

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

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

The models can be grouped into 2 clusters and 3 single-model clusters were found.

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

### 3 Entry composition

There is only 1 type of molecule in this entry. The entry contains 2384 atoms, of which 1182 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Protein swallow.

Mol	Chain	Residues	Atoms						Trace
1	A	71	Total	C	H	N	O	S	0
			1192	367	591	110	123	1	
1	B	71	Total	C	H	N	O	S	0
			1192	367	591	110	123	1	

There are 8 discrepancies between the modelled and reference sequences:

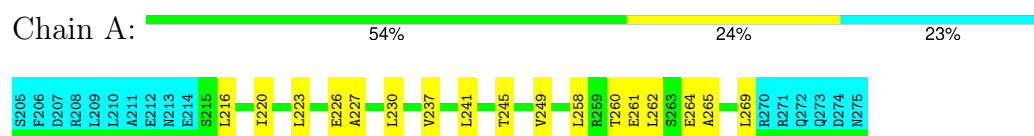
Chain	Residue	Modelled	Actual	Comment	Reference
A	224	GLU	ARG	engineered mutation	UNP P40688
A	244	ILE	LYS	engineered mutation	UNP P40688
A	253	ASP	CYS	engineered mutation	UNP P40688
A	265	ALA	CYS	engineered mutation	UNP P40688
B	224	GLU	ARG	engineered mutation	UNP P40688
B	244	ILE	LYS	engineered mutation	UNP P40688
B	253	ASP	CYS	engineered mutation	UNP P40688
B	265	ALA	CYS	engineered mutation	UNP P40688

## 4 Residue-property plots [i](#)

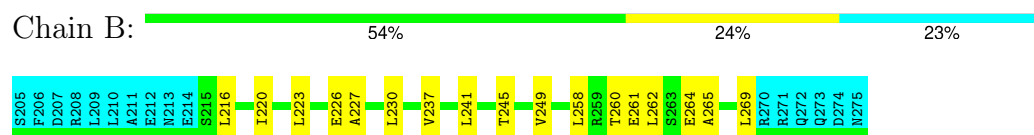
### 4.1 Average score per residue in the NMR ensemble

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: Protein swallow



- Molecule 1: Protein swallow

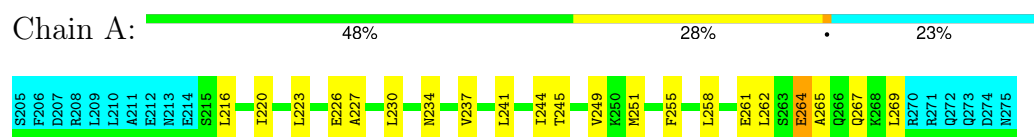


### 4.2 Scores per residue for each member of the ensemble

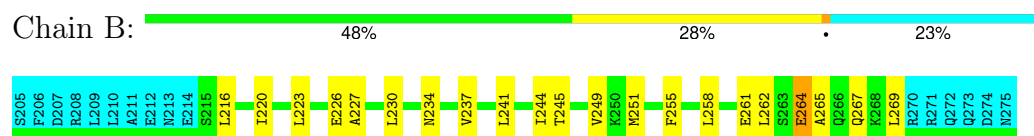
Colouring as in section 4.1 above.

#### 4.2.1 Score per residue for model 1

- Molecule 1: Protein swallow

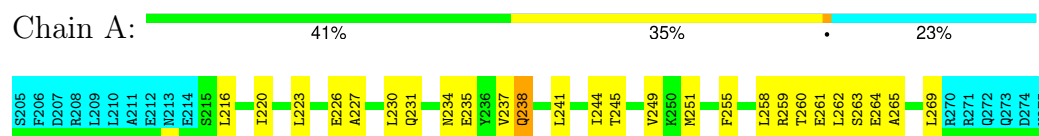


- Molecule 1: Protein swallow

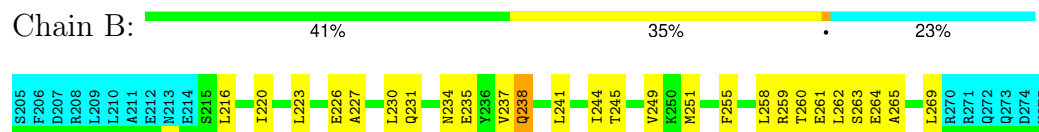


### 4.2.2 Score per residue for model 2

- Molecule 1: Protein swallow

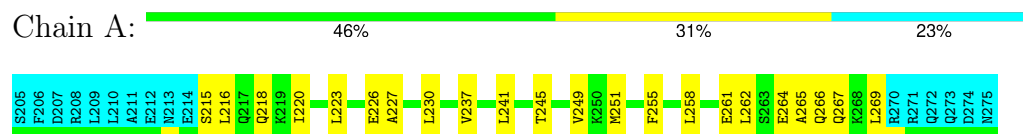


- Molecule 1: Protein swallow

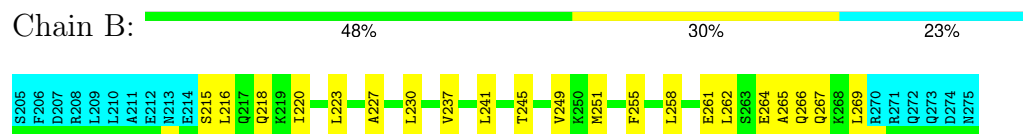


### 4.2.3 Score per residue for model 3

- Molecule 1: Protein swallow

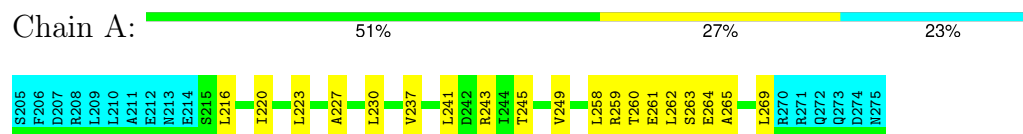


- Molecule 1: Protein swallow

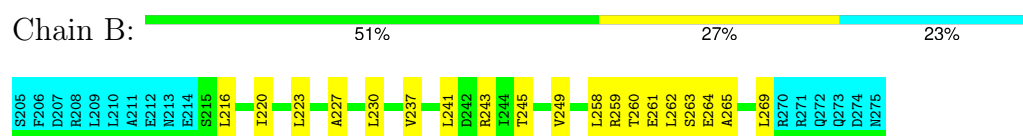


### 4.2.4 Score per residue for model 4

- Molecule 1: Protein swallow

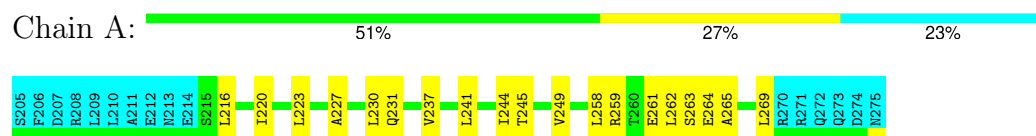


- Molecule 1: Protein swallow

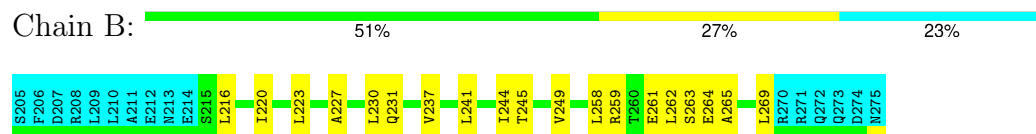


### 4.2.5 Score per residue for model 5

- Molecule 1: Protein swallow

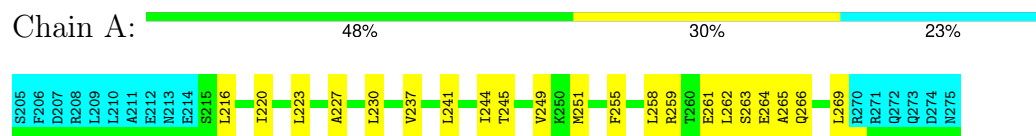


- Molecule 1: Protein swallow

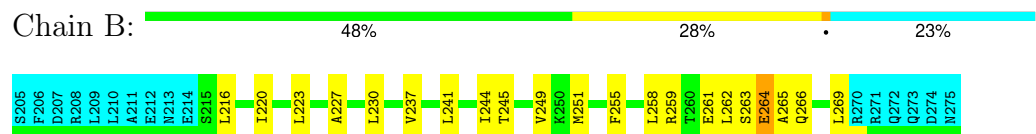


### 4.2.6 Score per residue for model 6

- Molecule 1: Protein swallow

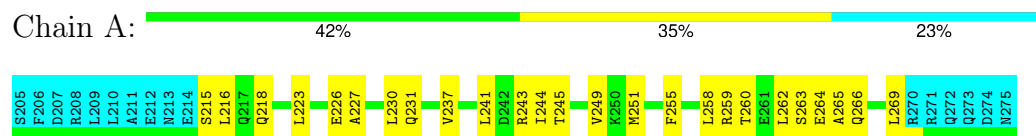


- Molecule 1: Protein swallow

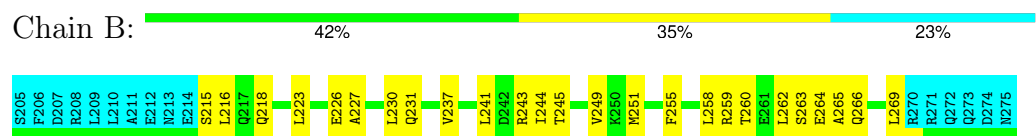


### 4.2.7 Score per residue for model 7

- Molecule 1: Protein swallow

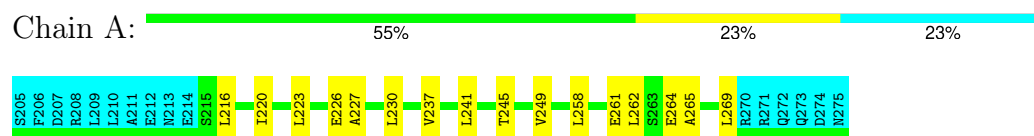


- Molecule 1: Protein swallow

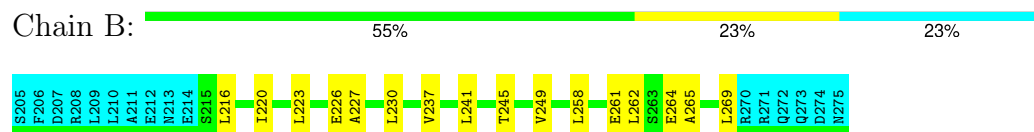


### 4.2.8 Score per residue for model 8

- Molecule 1: Protein swallow

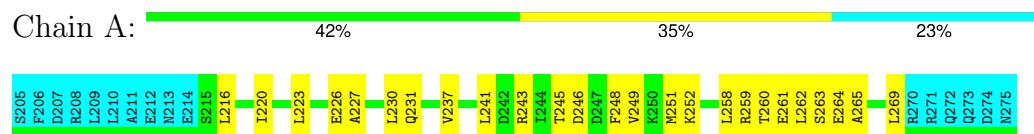


- Molecule 1: Protein swallow

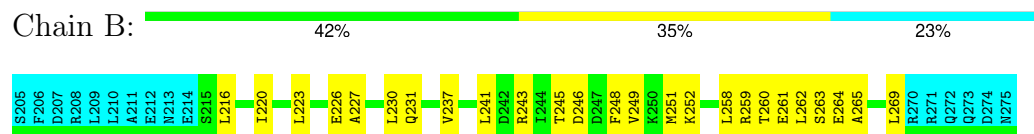


### 4.2.9 Score per residue for model 9

- Molecule 1: Protein swallow

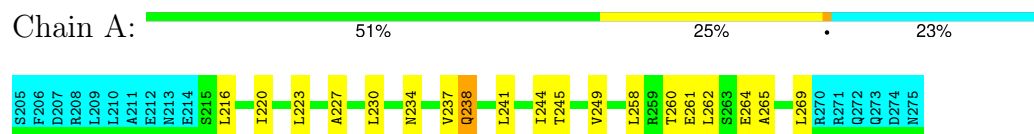


- Molecule 1: Protein swallow

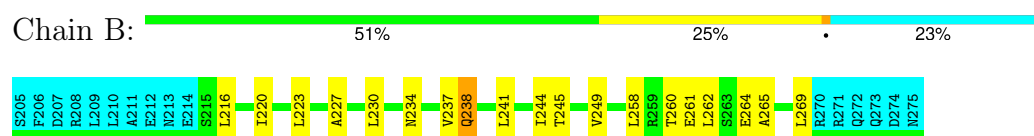


### 4.2.10 Score per residue for model 10 (medoid)

- Molecule 1: Protein swallow



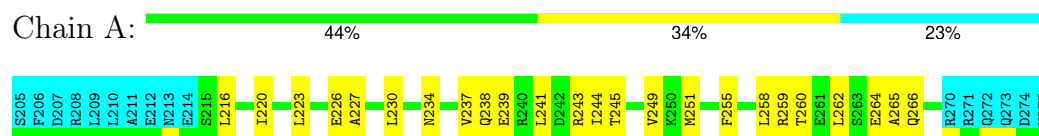
- Molecule 1: Protein swallow



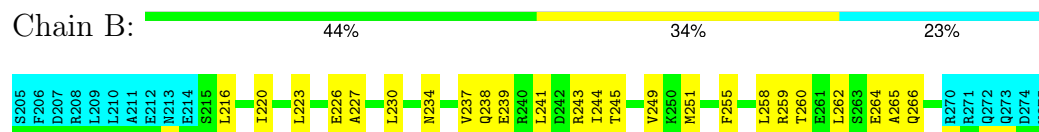


### 4.2.11 Score per residue for model 11

- Molecule 1: Protein swallow

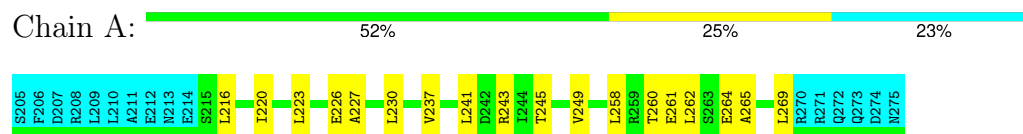


- Molecule 1: Protein swallow

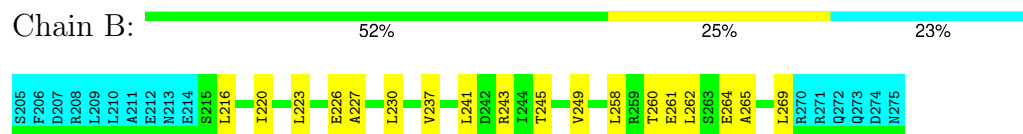


### 4.2.12 Score per residue for model 12

- Molecule 1: Protein swallow

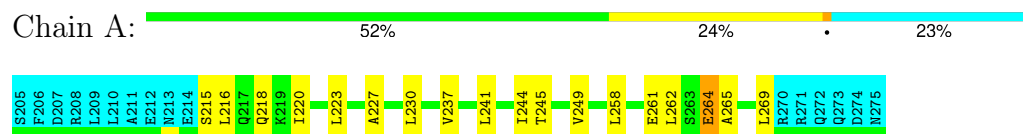


- Molecule 1: Protein swallow

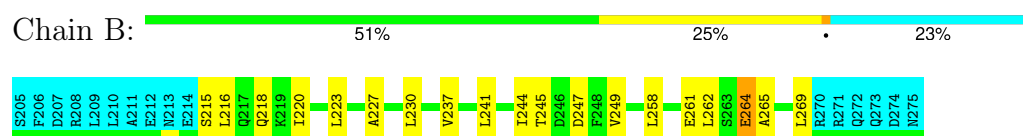


### 4.2.13 Score per residue for model 13

- Molecule 1: Protein swallow

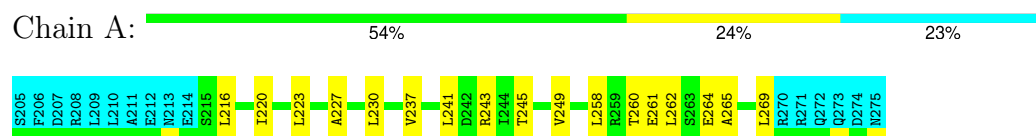


- Molecule 1: Protein swallow

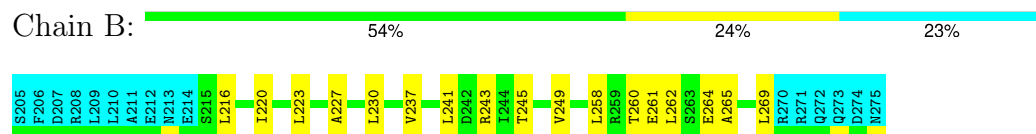


### 4.2.14 Score per residue for model 14

- Molecule 1: Protein swallow

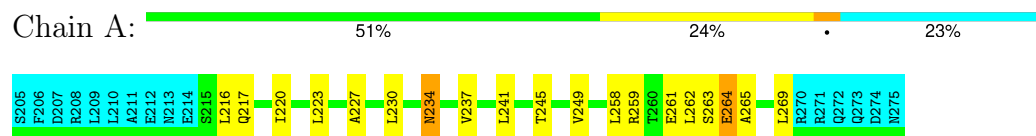


- Molecule 1: Protein swallow

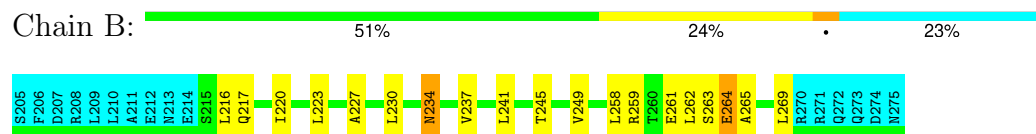


### 4.2.15 Score per residue for model 15

- Molecule 1: Protein swallow

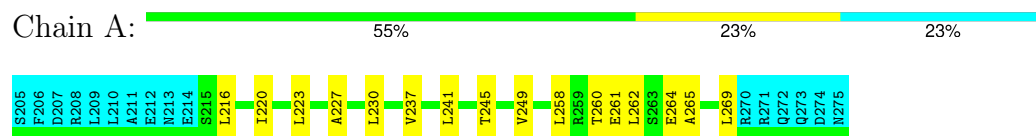


- Molecule 1: Protein swallow

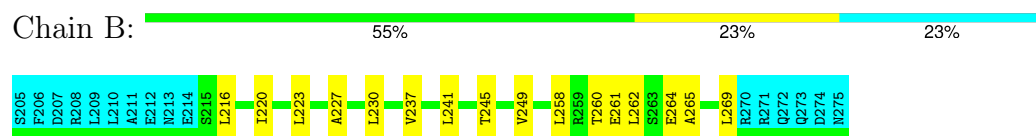


### 4.2.16 Score per residue for model 16

- Molecule 1: Protein swallow

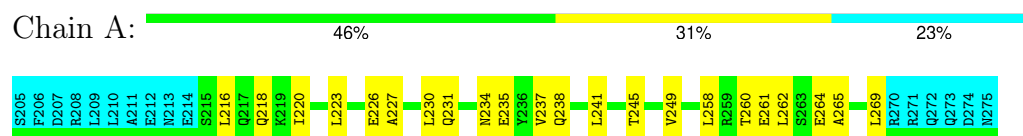


- Molecule 1: Protein swallow

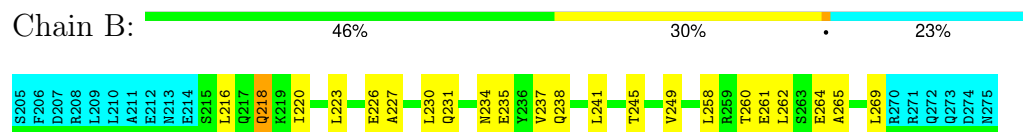


### 4.2.17 Score per residue for model 17

- Molecule 1: Protein swallow

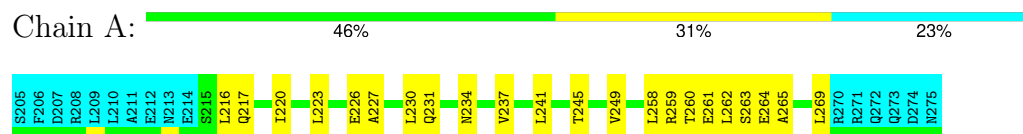


- Molecule 1: Protein swallow

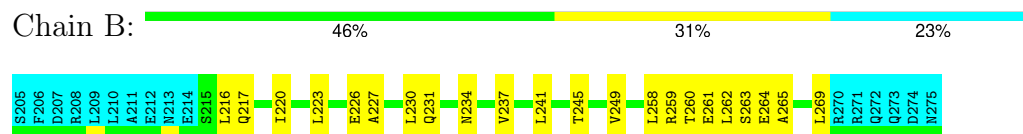


### 4.2.18 Score per residue for model 18

- Molecule 1: Protein swallow

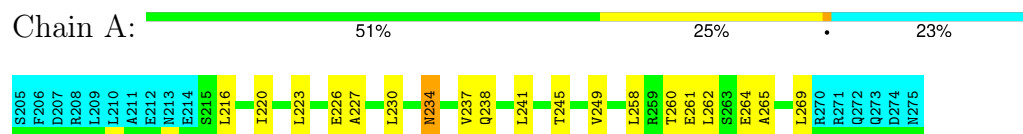


- Molecule 1: Protein swallow

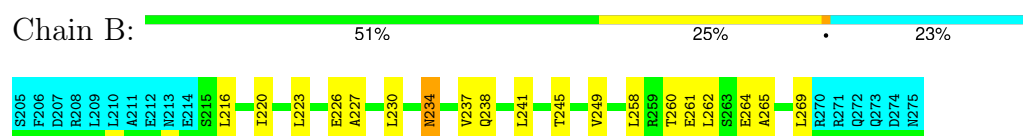


### 4.2.19 Score per residue for model 19

- Molecule 1: Protein swallow

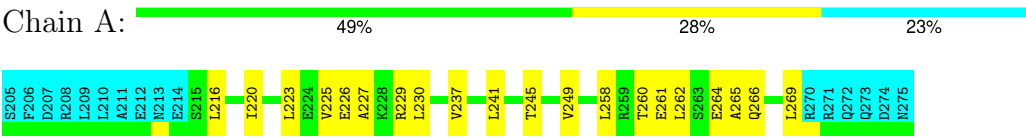


- Molecule 1: Protein swallow

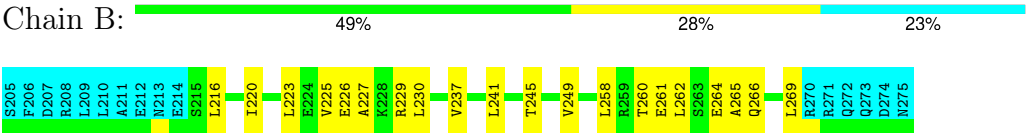


4.2.20 Score per residue for model 20

● Molecule 1: Protein swallow



● Molecule 1: Protein swallow



## 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
CNS	refinement	1.21
ARIA	structure calculation	2.3.2

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	969
Number of shifts mapped to atoms	969
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	47%

## 6 Model quality [i](#)

### 6.1 Standard geometry [i](#)

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

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

There are no planarity outliers.

### 6.2 Too-close contacts [i](#)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	461	461	461	33±4
1	B	461	461	461	33±4
All	All	18440	18440	18440	917

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 25.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:227:ALA:HB2	1:B:227:ALA:HB2	0.97	1.30	1	20
1:B:262:LEU:HA	1:B:265:ALA:HB3	0.70	1.64	11	20
1:A:262:LEU:HA	1:A:265:ALA:HB3	0.70	1.63	11	20
1:A:237:VAL:HG21	1:B:237:VAL:HG21	0.69	1.64	7	19
1:A:269:LEU:HD11	1:B:265:ALA:HB2	0.66	1.65	16	3
1:A:265:ALA:HB2	1:B:269:LEU:HD11	0.64	1.67	16	3
1:A:261:GLU:O	1:A:264:GLU:HG3	0.64	1.93	13	18
1:B:261:GLU:O	1:B:264:GLU:HG3	0.64	1.92	13	18
1:A:237:VAL:HG22	1:A:241:LEU:HG	0.63	1.71	8	20
1:A:262:LEU:HD23	1:B:258:LEU:HG	0.63	1.70	4	20
1:B:237:VAL:HG22	1:B:241:LEU:HG	0.63	1.71	8	20
1:A:258:LEU:HG	1:B:262:LEU:HD23	0.62	1.72	4	20
1:A:216:LEU:HD13	1:B:216:LEU:HB2	0.62	1.72	14	20

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:216:LEU:HB2	1:B:216:LEU:HD13	0.61	1.72	14	20
1:A:227:ALA:CB	1:B:227:ALA:HB2	0.59	2.19	19	7
1:A:227:ALA:HB2	1:B:227:ALA:CB	0.58	2.20	19	7
1:A:241:LEU:HD21	1:B:237:VAL:CG2	0.57	2.29	20	20
1:A:237:VAL:CG2	1:B:241:LEU:HD21	0.57	2.28	6	20
1:B:226:GLU:O	1:B:230:LEU:HG	0.57	2.00	12	11
1:B:237:VAL:HG22	1:B:241:LEU:CG	0.57	2.30	18	20
1:B:265:ALA:O	1:B:269:LEU:HG	0.57	2.00	6	19
1:A:226:GLU:O	1:A:230:LEU:HG	0.57	2.00	12	12
1:A:237:VAL:HG22	1:A:241:LEU:CG	0.57	2.30	18	20
1:A:231:GLN:HA	1:A:234:ASN:ND2	0.57	2.14	18	1
1:A:265:ALA:O	1:A:269:LEU:HG	0.57	2.00	15	19
1:B:245:THR:O	1:B:249:VAL:HG22	0.57	1.99	2	20
1:A:245:THR:O	1:A:249:VAL:HG22	0.56	2.00	7	20
1:B:231:GLN:HA	1:B:234:ASN:ND2	0.56	2.15	18	1
1:A:223:LEU:HB3	1:B:223:LEU:HD13	0.56	1.78	18	20
1:A:223:LEU:HD13	1:B:223:LEU:HB3	0.55	1.79	6	20
1:A:262:LEU:HD12	1:A:265:ALA:HB3	0.55	1.79	16	15
1:B:262:LEU:HD12	1:B:265:ALA:HB3	0.55	1.79	16	14
1:B:237:VAL:O	1:B:241:LEU:HG	0.55	2.02	19	20
1:A:237:VAL:O	1:A:241:LEU:HG	0.55	2.02	19	20
1:A:220:ILE:HD11	1:B:220:ILE:HD11	0.54	1.78	3	13
1:A:216:LEU:O	1:A:220:ILE:HG13	0.53	2.04	11	19
1:A:231:GLN:O	1:A:235:GLU:HG2	0.53	2.03	2	1
1:A:215:SER:O	1:A:218:GLN:HG2	0.53	2.02	3	3
1:B:215:SER:O	1:B:218:GLN:HG2	0.53	2.02	3	3
1:B:216:LEU:O	1:B:220:ILE:HG13	0.53	2.04	11	19
1:B:231:GLN:O	1:B:235:GLU:HG2	0.53	2.03	2	1
1:B:234:ASN:O	1:B:238:GLN:HB2	0.52	2.04	17	5
1:A:260:THR:O	1:A:264:GLU:HG2	0.52	2.04	2	13
1:A:237:VAL:HG23	1:B:241:LEU:HD21	0.52	1.80	10	19
1:A:234:ASN:O	1:A:238:GLN:HB2	0.52	2.04	17	5
1:B:259:ARG:O	1:B:263:SER:HB2	0.52	2.05	6	8
1:A:241:LEU:HD21	1:B:237:VAL:HG23	0.52	1.82	12	19
1:A:259:ARG:O	1:A:263:SER:HB2	0.52	2.05	6	8
1:A:227:ALA:HA	1:A:230:LEU:HD12	0.51	1.82	20	20
1:B:260:THR:O	1:B:264:GLU:HG2	0.51	2.05	20	13
1:B:227:ALA:HA	1:B:230:LEU:HD12	0.50	1.82	2	20
1:A:248:PHE:HA	1:A:251:MET:SD	0.49	2.47	9	1
1:A:227:ALA:O	1:A:231:GLN:HG3	0.49	2.08	7	4
1:A:265:ALA:HB1	1:B:265:ALA:HB1	0.49	1.83	19	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:248:PHE:HA	1:B:251:MET:SD	0.48	2.48	9	1
1:A:265:ALA:CB	1:B:269:LEU:HD11	0.48	2.39	19	4
1:B:227:ALA:O	1:B:231:GLN:HG3	0.48	2.09	7	4
1:A:223:LEU:HD22	1:B:223:LEU:HB3	0.48	1.85	15	15
1:A:269:LEU:HD11	1:B:265:ALA:CB	0.48	2.39	19	4
1:A:251:MET:O	1:A:255:PHE:HB2	0.48	2.09	7	6
1:B:251:MET:O	1:B:255:PHE:HB2	0.47	2.09	6	6
1:A:262:LEU:HD13	1:B:262:LEU:HA	0.47	1.85	9	13
1:A:262:LEU:HA	1:B:262:LEU:HD13	0.47	1.86	9	13
1:B:243:ARG:HA	1:B:243:ARG:NE	0.47	2.24	9	2
1:A:243:ARG:NE	1:A:243:ARG:HA	0.47	2.25	9	2
1:A:223:LEU:HB3	1:B:223:LEU:HD22	0.46	1.86	15	14
1:B:248:PHE:O	1:B:252:LYS:HG3	0.46	2.11	9	1
1:A:248:PHE:O	1:A:252:LYS:HG3	0.46	2.11	9	1
1:A:234:ASN:HD22	1:A:234:ASN:N	0.45	2.09	15	1
1:A:234:ASN:HA	1:A:237:VAL:HG12	0.45	1.87	1	4
1:B:234:ASN:HA	1:B:237:VAL:HG12	0.45	1.87	1	4
1:B:234:ASN:N	1:B:234:ASN:HD22	0.45	2.09	15	2
1:A:255:PHE:O	1:A:259:ARG:HG2	0.45	2.12	11	1
1:B:255:PHE:O	1:B:259:ARG:HG2	0.45	2.12	11	1
1:A:244:ILE:HG21	1:B:244:ILE:HG21	0.44	1.88	13	8
1:A:216:LEU:HD22	1:B:216:LEU:HB3	0.43	1.90	6	11
1:A:262:LEU:CA	1:B:262:LEU:HD13	0.43	2.43	12	6
1:A:216:LEU:CB	1:B:216:LEU:HD13	0.43	2.43	20	4
1:A:216:LEU:HB3	1:B:216:LEU:HD22	0.43	1.90	9	12
1:A:262:LEU:HD13	1:B:262:LEU:CA	0.43	2.44	9	6
1:A:225:VAL:O	1:A:229:ARG:HG3	0.43	2.14	20	1
1:B:231:GLN:O	1:B:235:GLU:HG3	0.43	2.14	17	1
1:B:225:VAL:O	1:B:229:ARG:HG3	0.42	2.14	20	1
1:A:216:LEU:HD13	1:B:216:LEU:CB	0.42	2.44	2	3
1:A:231:GLN:O	1:A:235:GLU:HG3	0.42	2.15	17	1
1:A:234:ASN:N	1:A:234:ASN:HD22	0.42	2.12	19	1
1:A:262:LEU:HA	1:A:265:ALA:CB	0.42	2.44	9	8
1:B:239:GLU:O	1:B:243:ARG:HG2	0.42	2.13	11	1
1:B:262:LEU:HA	1:B:265:ALA:CB	0.41	2.44	12	8
1:A:216:LEU:CD2	1:B:220:ILE:HD12	0.41	2.44	2	1
1:A:239:GLU:O	1:A:243:ARG:HG2	0.41	2.14	11	1
1:A:216:LEU:HD13	1:B:216:LEU:CD1	0.41	2.46	7	1
1:B:218:GLN:HE21	1:B:218:GLN:HA	0.40	1.75	17	1



## 6.3 Torsion angles

### 6.3.1 Protein backbone

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	55/71 (77%)	52±1 (95±2%)	2±1 (5±2%)	0±0 (0±0%)	100	100
1	B	55/71 (77%)	53±1 (96±2%)	2±1 (4±2%)	0±0 (0±0%)	100	100
All	All	2200/2840 (77%)	2101 (96%)	99 (4%)	0 (0%)	100	100

There are no Ramachandran outliers.

### 6.3.2 Protein sidechains

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	52/67 (78%)	51±1 (98±1%)	1±1 (2±1%)	60	94
1	B	52/67 (78%)	51±1 (98±1%)	1±1 (2±1%)	56	93
All	All	2080/2680 (78%)	2046 (98%)	34 (2%)	58	93

All 17 unique residues with a non-rotameric sidechain are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	B	264	GLU	4
1	A	264	GLU	3
1	A	243	ARG	3
1	B	243	ARG	3
1	A	267	GLN	2
1	B	267	GLN	2
1	A	238	GLN	2
1	B	238	GLN	2
1	A	217	GLN	2
1	A	234	ASN	2

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Mol	Chain	Res	Type	Models (Total)
1	B	217	GLN	2
1	B	234	ASN	2
1	A	246	ASP	1
1	B	246	ASP	1
1	B	247	ASP	1
1	A	218	GLN	1
1	B	218	GLN	1

### 6.3.3 RNA [i](#)

There are no RNA molecules in this entry.

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

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

### 6.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

### 6.6 Ligand geometry [i](#)

There are no ligands in this entry.

### 6.7 Other polymers [i](#)

There are no such molecules in this entry.

### 6.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

## 7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 47% for the well-defined parts and 47% for the entire structure.

### 7.1 Chemical shift list 1

File name: `working_cs.cif`

Chemical shift list name: `starch_output`

#### 7.1.1 Bookkeeping

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

Total number of shifts	969
Number of shifts mapped to atoms	969
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

#### 7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction $\pm$ precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	71	$-0.51 \pm 0.19$	Should be checked
$^{13}\text{C}_\beta$	70	$0.23 \pm 0.09$	None needed ( $< 0.5$ ppm)
$^{13}\text{C}'$	71	$-0.63 \pm 0.22$	Should be applied
$^{15}\text{N}$	70	$-0.71 \pm 0.16$	Should be applied

#### 7.1.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 47%, i.e. 757 atoms were assigned a chemical shift out of a possible 1604. 0 out of 20 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	$^1\text{H}$	$^{13}\text{C}$	$^{15}\text{N}$
Backbone	276/552 (50%)	111/222 (50%)	110/220 (50%)	55/110 (50%)
Sidechain	443/974 (45%)	291/618 (47%)	140/304 (46%)	12/52 (23%)

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	Total	<sup>1</sup> H	<sup>13</sup> C	<sup>15</sup> N
Aromatic	38/78 (49%)	19/38 (50%)	19/40 (48%)	0/0 (—%)
Overall	757/1604 (47%)	421/878 (48%)	269/564 (48%)	67/162 (41%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 47%, i.e. 969 atoms were assigned a chemical shift out of a possible 2076. 0 out of 24 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	<sup>1</sup> H	<sup>13</sup> C	<sup>15</sup> N
Backbone	354/712 (50%)	142/286 (50%)	142/284 (50%)	70/142 (49%)
Sidechain	567/1266 (45%)	369/798 (46%)	179/390 (46%)	19/78 (24%)
Aromatic	48/98 (49%)	24/48 (50%)	24/50 (48%)	0/0 (—%)
Overall	969/2076 (47%)	535/1132 (47%)	345/724 (48%)	89/220 (40%)

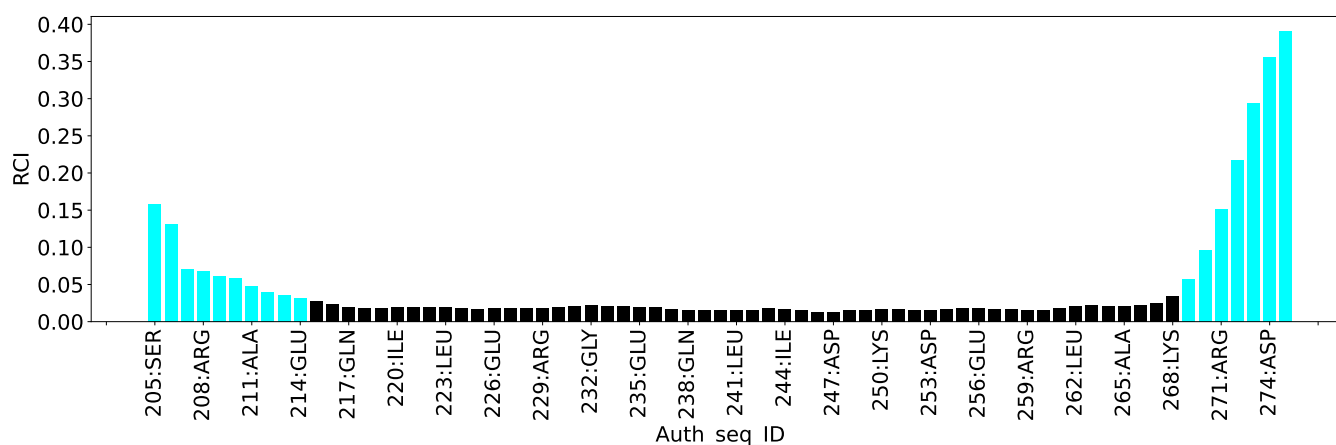
#### 7.1.4 Statistically unusual chemical shifts [i](#)

There are no statistically unusual chemical shifts.

#### 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	5328
Intra-residue ( $ i-j =0$ )	1738
Sequential ( $ i-j =1$ )	1072
Medium range ( $ i-j >1$ and $ i-j <5$ )	1738
Long range ( $ i-j \geq 5$ )	22
Inter-chain	758
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	256
Number of unmapped restraints	0
Number of restraints per residue	39.3
Number of long range restraints per residue <sup>1</sup>	0.2

<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)	84.0	0.2
0.2-0.5 (Medium)	189.3	0.5
>0.5 (Large)	192.8	2.61

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

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

Bins (°)	Average number of violations per model	Max (°)
1.0-10.0 (Small)	5.2	5.34
10.0-20.0 (Medium)	None	None
>20.0 (Large)	None	None

## 9 Distance violation analysis ⓘ

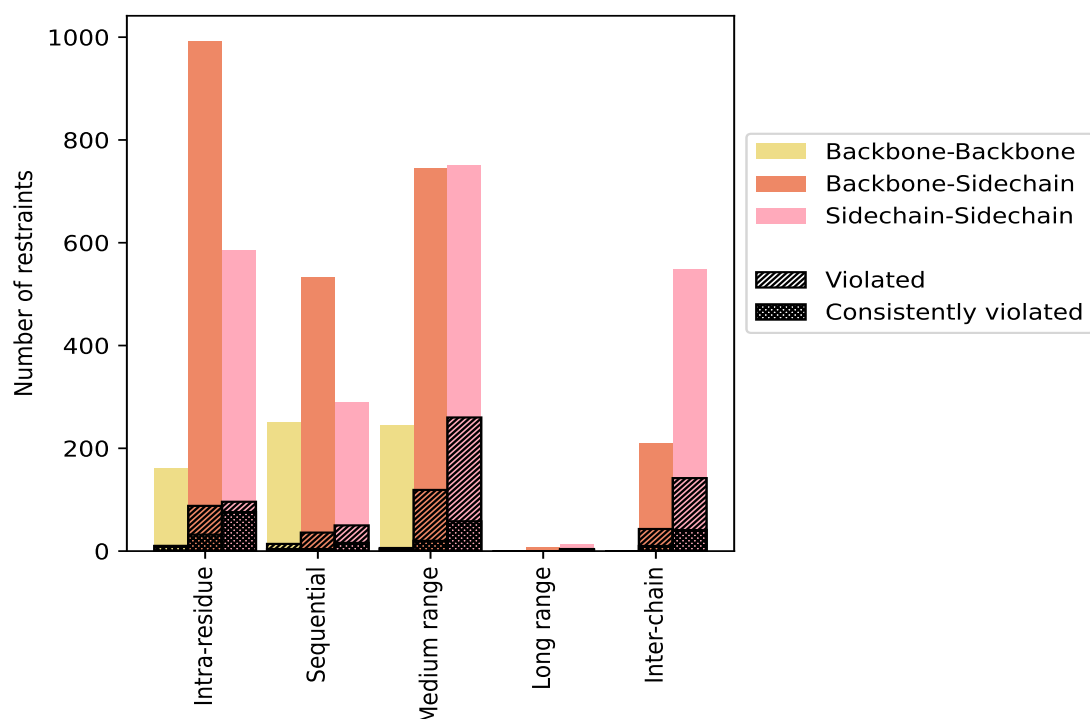
### 9.1 Summary of distance violations ⓘ

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

Restrains type	Count	% <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>1738</b>	<b>32.6</b>	<b>194</b>	<b>11.2</b>	<b>3.6</b>	<b>118</b>	<b>6.8</b>	<b>2.2</b>
Backbone-Backbone	160	3.0	10	6.2	0.2	10	6.2	0.2
Backbone-Sidechain	992	18.6	88	8.9	1.7	32	3.2	0.6
Sidechain-Sidechain	586	11.0	96	16.4	1.8	76	13.0	1.4
<b>Sequential (<math> i-j =1</math>)</b>	<b>1072</b>	<b>20.1</b>	<b>100</b>	<b>9.3</b>	<b>1.9</b>	<b>24</b>	<b>2.2</b>	<b>0.5</b>
Backbone-Backbone	250	4.7	14	5.6	0.3	4	1.6	0.1
Backbone-Sidechain	532	10.0	36	6.8	0.7	4	0.8	0.1
Sidechain-Sidechain	290	5.4	50	17.2	0.9	16	5.5	0.3
<b>Medium range (<math> i-j &gt;1</math> &amp; <math> i-j &lt;5</math>)</b>	<b>1738</b>	<b>32.6</b>	<b>385</b>	<b>22.2</b>	<b>7.2</b>	<b>82</b>	<b>4.7</b>	<b>1.5</b>
Backbone-Backbone	244	4.6	6	2.5	0.1	4	1.6	0.1
Backbone-Sidechain	744	14.0	119	16.0	2.2	20	2.7	0.4
Sidechain-Sidechain	750	14.1	260	34.7	4.9	58	7.7	1.1
<b>Long range (<math> i-j \geq 5</math>)</b>	<b>22</b>	<b>0.4</b>	<b>4</b>	<b>18.2</b>	<b>0.1</b>	<b>2</b>	<b>9.1</b>	<b>0.0</b>
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	8	0.2	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	14	0.3	4	28.6	0.1	2	14.3	0.0
<b>Inter-chain</b>	<b>758</b>	<b>14.2</b>	<b>185</b>	<b>24.4</b>	<b>3.5</b>	<b>51</b>	<b>6.7</b>	<b>1.0</b>
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	210	3.9	43	20.5	0.8	10	4.8	0.2
Sidechain-Sidechain	548	10.3	142	25.9	2.7	41	7.5	0.8
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>5328</b>	<b>100.0</b>	<b>868</b>	<b>16.3</b>	<b>16.3</b>	<b>277</b>	<b>5.2</b>	<b>5.2</b>
Backbone-Backbone	654	12.3	30	4.6	0.6	18	2.8	0.3
Backbone-Sidechain	2486	46.7	286	11.5	5.4	66	2.7	1.2
Sidechain-Sidechain	2188	41.1	552	25.2	10.4	193	8.8	3.6

<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 disulfied bonds are counted in their appropriate category on the x-axis

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

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD <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	141	44	145	0	133	463	0.53	2.16	0.38	0.44
2	145	48	162	2	124	481	0.54	2.26	0.4	0.43
3	153	44	150	0	140	487	0.53	1.99	0.39	0.42
4	136	47	141	0	133	457	0.52	2.49	0.37	0.44
5	138	38	146	0	119	441	0.53	2.59	0.4	0.43
6	154	34	159	0	115	462	0.51	2.46	0.38	0.42
7	150	46	158	0	137	491	0.53	2.11	0.39	0.41
8	148	40	149	0	140	477	0.51	1.95	0.37	0.41
9	135	40	148	0	134	457	0.54	2.38	0.37	0.45
10	143	44	150	0	136	473	0.53	2.2	0.38	0.41

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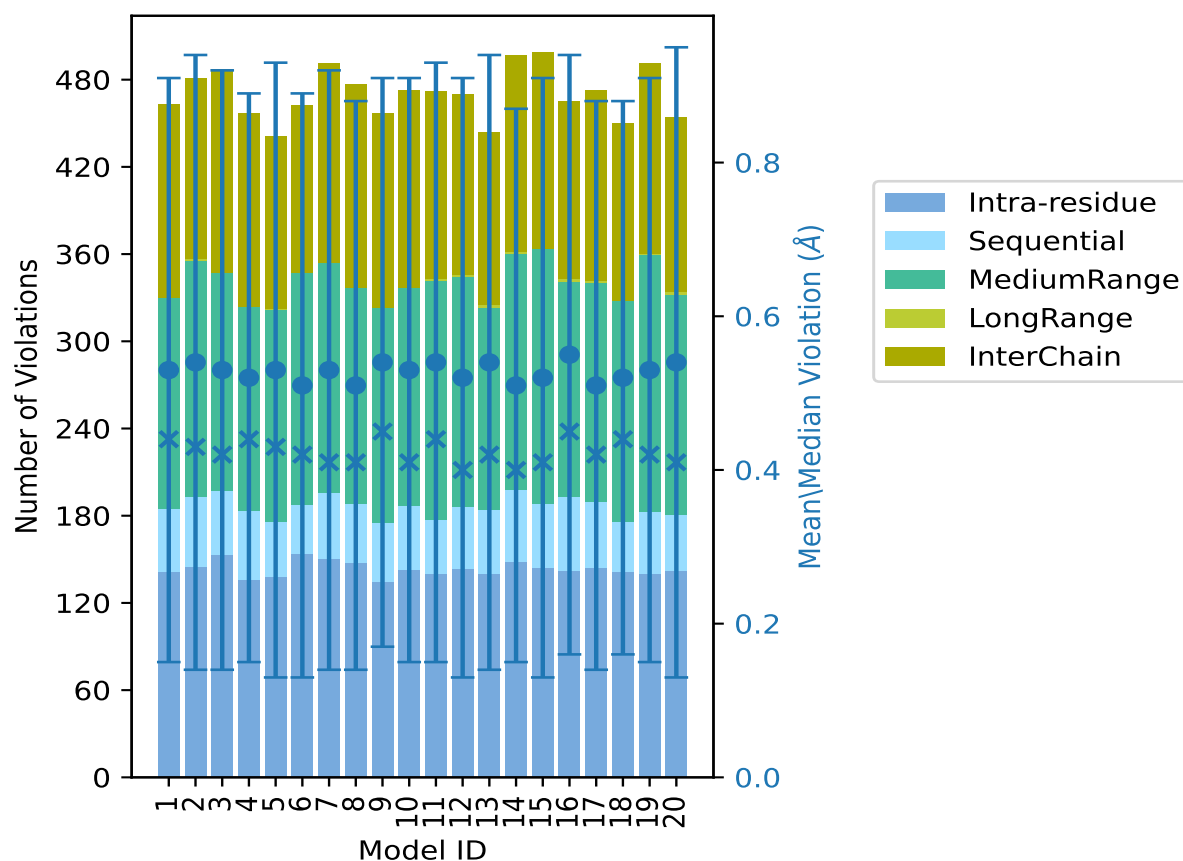
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Model ID	Number of violations						Mean (Å)	Max (Å)	SD <sup>6</sup> (Å)	Median (Å)
	IR <sup>1</sup>	SQ <sup>2</sup>	MR <sup>3</sup>	LR <sup>4</sup>	IC <sup>5</sup>	Total				
11	140	37	165	1	129	472	0.54	2.61	0.39	0.44
12	144	42	158	2	124	470	0.52	2.31	0.39	0.4
13	140	44	139	2	119	444	0.54	2.12	0.4	0.42
14	148	50	162	2	135	497	0.51	2.27	0.36	0.4
15	144	44	176	0	135	499	0.52	2.06	0.39	0.41
16	142	51	148	2	122	465	0.55	2.22	0.39	0.45
17	144	46	150	2	131	473	0.51	2.28	0.37	0.42
18	141	35	152	0	122	450	0.52	2.26	0.36	0.44
19	140	43	177	0	131	491	0.53	2.17	0.38	0.42
20	142	39	151	2	120	454	0.54	2.27	0.41	0.41

<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

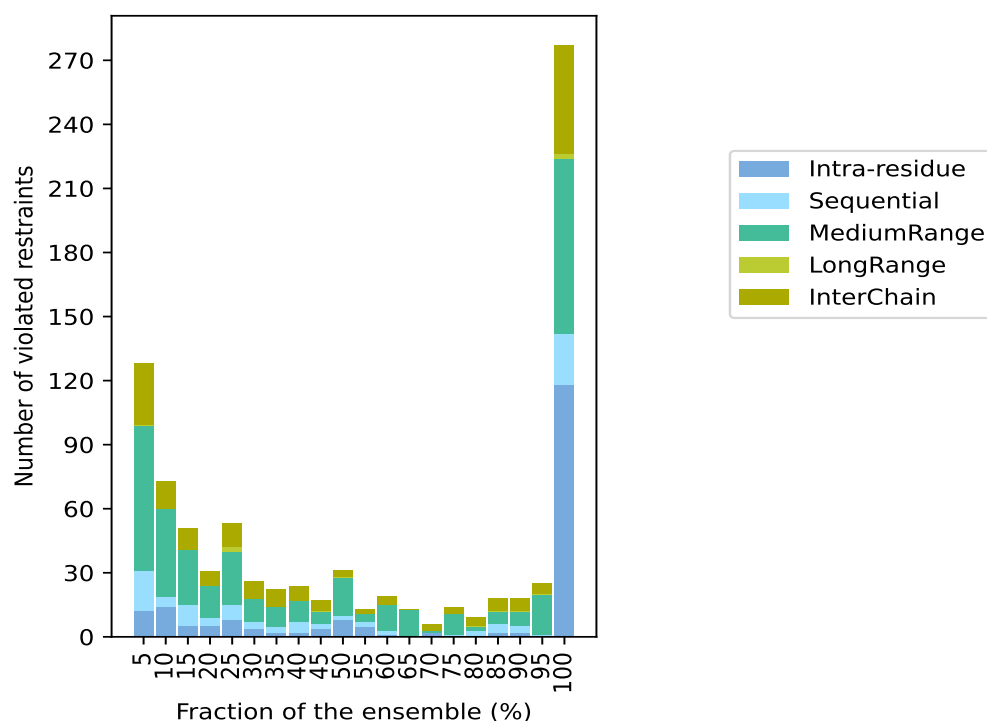
Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 4460(IR:1544, SQ:972, MR:1353, LR:18, IC:573) restraints 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>	%
12	19	68	0	29	128	1	5.0
14	5	41	0	13	73	2	10.0
5	10	26	0	10	51	3	15.0
5	4	15	0	7	31	4	20.0
8	7	25	2	11	53	5	25.0
4	3	11	0	8	26	6	30.0
2	3	9	0	8	22	7	35.0
2	5	10	0	7	24	8	40.0
4	2	6	0	5	17	9	45.0
8	2	18	0	3	31	10	50.0
5	2	4	0	2	13	11	55.0
1	2	12	0	4	19	12	60.0
0	0	13	0	0	13	13	65.0
2	0	1	0	3	6	14	70.0
0	1	10	0	3	14	15	75.0
0	3	2	0	4	9	16	80.0
2	4	6	0	6	18	17	85.0
2	3	7	0	6	18	18	90.0
0	1	19	0	5	25	19	95.0
118	24	82	2	51	277	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

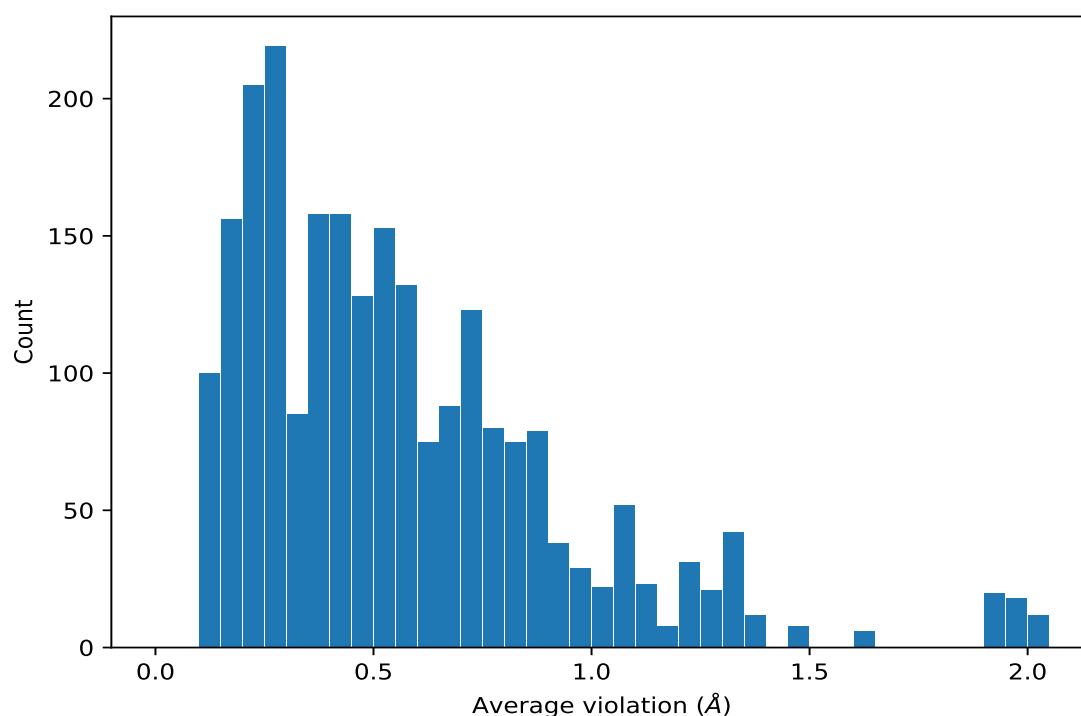
### 9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



## 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)
(1,2162)	1:251:B:MET:HE3	1:254:A:ASN:HB2	20	2.0	0.22	2.01
(1,2162)	1:251:B:MET:HE3	1:254:B:ASN:HB2	20	2.0	0.22	2.01
(1,2162)	1:251:B:MET:HE1	1:254:A:ASN:HB2	20	2.0	0.22	2.01
(1,2162)	1:251:B:MET:HE2	1:254:B:ASN:HB2	20	2.0	0.22	2.01
(1,2162)	1:251:B:MET:HE1	1:254:B:ASN:HB2	20	2.0	0.22	2.01
(1,2162)	1:251:B:MET:HE2	1:254:A:ASN:HB2	20	2.0	0.22	2.01
(1,2161)	1:251:A:MET:HE3	1:254:B:ASN:HB2	20	2.0	0.22	2.0
(1,2161)	1:251:A:MET:HE3	1:254:A:ASN:HB2	20	2.0	0.22	2.0
(1,2161)	1:251:A:MET:HE1	1:254:B:ASN:HB2	20	2.0	0.22	2.0
(1,2161)	1:251:A:MET:HE2	1:254:A:ASN:HB2	20	2.0	0.22	2.0
(1,2161)	1:251:A:MET:HE1	1:254:A:ASN:HB2	20	2.0	0.22	2.0
(1,2161)	1:251:A:MET:HE2	1:254:B:ASN:HB2	20	2.0	0.22	2.0
(3,238)	1:244:B:ILE:HG23	1:241:A:LEU:HD12	20	1.98	0.17	1.96
(3,238)	1:244:B:ILE:HG23	1:241:A:LEU:HD13	20	1.98	0.17	1.96
(3,238)	1:244:B:ILE:HG21	1:241:A:LEU:HD12	20	1.98	0.17	1.96
(3,238)	1:244:B:ILE:HG22	1:241:A:LEU:HD13	20	1.98	0.17	1.96

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,238)	1:244:B:ILE:HG21	1:241:A:LEU:HD11	20	1.98	0.17	1.96
(3,238)	1:244:B:ILE:HG23	1:241:A:LEU:HD11	20	1.98	0.17	1.96
(3,238)	1:244:B:ILE:HG22	1:241:A:LEU:HD12	20	1.98	0.17	1.96
(3,237)	1:244:A:ILE:HG23	1:241:B:LEU:HD12	20	1.97	0.17	1.96
(3,237)	1:244:A:ILE:HG23	1:241:B:LEU:HD13	20	1.97	0.17	1.96
(3,237)	1:244:A:ILE:HG21	1:241:B:LEU:HD12	20	1.97	0.17	1.96
(3,237)	1:244:A:ILE:HG22	1:241:B:LEU:HD13	20	1.97	0.17	1.96
(3,237)	1:244:A:ILE:HG21	1:241:B:LEU:HD11	20	1.97	0.17	1.96
(3,237)	1:244:A:ILE:HG23	1:241:B:LEU:HD11	20	1.97	0.17	1.96
(3,237)	1:244:A:ILE:HG22	1:241:B:LEU:HD12	20	1.97	0.17	1.96
(1,75)	1:255:A:PHE:HD2	1:257:A:THR:HG21	20	1.91	0.36	2.0
(1,75)	1:255:A:PHE:HD1	1:257:A:THR:HG23	20	1.91	0.36	2.0
(1,75)	1:255:A:PHE:HD2	1:257:B:THR:HG21	20	1.91	0.36	2.0
(1,75)	1:255:A:PHE:HD2	1:257:A:THR:HG22	20	1.91	0.36	2.0
(1,75)	1:255:A:PHE:HD2	1:257:A:THR:HG23	20	1.91	0.36	2.0
(1,75)	1:255:A:PHE:HD1	1:257:B:THR:HG21	20	1.91	0.36	2.0
(1,75)	1:255:A:PHE:HD2	1:257:B:THR:HG22	20	1.91	0.36	2.0
(1,75)	1:255:A:PHE:HD1	1:257:B:THR:HG22	20	1.91	0.36	2.0
(1,75)	1:255:A:PHE:HD1	1:257:A:THR:HG21	20	1.91	0.36	2.0
(1,75)	1:255:A:PHE:HD1	1:257:B:THR:HG23	20	1.91	0.36	2.0
(1,76)	1:255:B:PHE:HD2	1:257:B:THR:HG21	20	1.91	0.36	2.0
(1,76)	1:255:B:PHE:HD1	1:257:B:THR:HG23	20	1.91	0.36	2.0
(1,76)	1:255:B:PHE:HD2	1:257:A:THR:HG21	20	1.91	0.36	2.0
(1,76)	1:255:B:PHE:HD2	1:257:B:THR:HG22	20	1.91	0.36	2.0
(1,76)	1:255:B:PHE:HD2	1:257:B:THR:HG23	20	1.91	0.36	2.0
(1,76)	1:255:B:PHE:HD1	1:257:A:THR:HG21	20	1.91	0.36	2.0
(1,76)	1:255:B:PHE:HD2	1:257:A:THR:HG22	20	1.91	0.36	2.0
(1,76)	1:255:B:PHE:HD1	1:257:A:THR:HG22	20	1.91	0.36	2.0
(1,76)	1:255:B:PHE:HD1	1:257:B:THR:HG21	20	1.91	0.36	2.0
(1,76)	1:255:B:PHE:HD1	1:257:A:THR:HG23	20	1.91	0.36	2.0
(3,1201)	1:244:A:ILE:HD13	1:240:A:ARG:HG2	20	1.62	0.17	1.66
(3,1201)	1:244:A:ILE:HD12	1:240:A:ARG:HG2	20	1.62	0.17	1.66
(3,1201)	1:244:A:ILE:HD11	1:240:A:ARG:HG2	20	1.62	0.17	1.66
(3,1202)	1:244:B:ILE:HD13	1:240:B:ARG:HG2	20	1.62	0.17	1.66
(3,1202)	1:244:B:ILE:HD12	1:240:B:ARG:HG2	20	1.62	0.17	1.66
(3,1202)	1:244:B:ILE:HD11	1:240:B:ARG:HG2	20	1.62	0.17	1.66
(1,2239)	1:244:A:ILE:HG21	1:251:B:MET:HB2	20	1.46	0.7	1.08
(1,2239)	1:244:A:ILE:HG22	1:251:B:MET:HB2	20	1.46	0.7	1.08
(1,2239)	1:244:A:ILE:HG23	1:251:B:MET:HB2	20	1.46	0.7	1.08
(1,2239)	1:244:A:ILE:HG22	1:251:B:MET:HG3	20	1.46	0.7	1.08
(1,2240)	1:244:B:ILE:HG21	1:251:A:MET:HB2	20	1.45	0.69	1.08
(1,2240)	1:244:B:ILE:HG22	1:251:A:MET:HB2	20	1.45	0.69	1.08

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2240)	1:244:B:ILE:HG23	1:251:A:MET:HB2	20	1.45	0.69	1.08
(1,2240)	1:244:B:ILE:HG22	1:251:A:MET:HG3	20	1.45	0.69	1.08
(1,578)	1:257:B:THR:HG21	1:259:A:ARG:HD2	20	1.36	0.22	1.4
(1,578)	1:257:B:THR:HG23	1:259:A:ARG:HD3	20	1.36	0.22	1.4
(1,578)	1:257:B:THR:HG22	1:259:A:ARG:HD3	20	1.36	0.22	1.4
(1,578)	1:257:B:THR:HG23	1:259:A:ARG:HD2	20	1.36	0.22	1.4
(1,578)	1:257:B:THR:HG22	1:259:A:ARG:HD2	20	1.36	0.22	1.4
(1,578)	1:257:B:THR:HG21	1:259:A:ARG:HD3	20	1.36	0.22	1.4
(1,577)	1:257:A:THR:HG21	1:259:B:ARG:HD2	20	1.35	0.19	1.38
(1,577)	1:257:A:THR:HG23	1:259:B:ARG:HD3	20	1.35	0.19	1.38
(1,577)	1:257:A:THR:HG22	1:259:B:ARG:HD3	20	1.35	0.19	1.38
(1,577)	1:257:A:THR:HG23	1:259:B:ARG:HD2	20	1.35	0.19	1.38
(1,577)	1:257:A:THR:HG22	1:259:B:ARG:HD2	20	1.35	0.19	1.38
(1,577)	1:257:A:THR:HG21	1:259:B:ARG:HD3	20	1.35	0.19	1.38
(1,566)	1:251:B:MET:HE2	1:249:A:VAL:HG22	20	1.32	0.19	1.29
(1,566)	1:251:B:MET:HE1	1:249:B:VAL:HG13	20	1.32	0.19	1.29
(1,566)	1:251:B:MET:HE3	1:249:A:VAL:HG22	20	1.32	0.19	1.29
(1,566)	1:251:B:MET:HE2	1:249:B:VAL:HG12	20	1.32	0.19	1.29
(1,566)	1:251:B:MET:HE2	1:249:B:VAL:HG13	20	1.32	0.19	1.29
(1,566)	1:251:B:MET:HE3	1:249:B:VAL:HG11	20	1.32	0.19	1.29
(1,566)	1:251:B:MET:HE1	1:249:A:VAL:HG23	20	1.32	0.19	1.29
(1,566)	1:251:B:MET:HE3	1:249:A:VAL:HG23	20	1.32	0.19	1.29
(1,566)	1:251:B:MET:HE3	1:249:B:VAL:HG13	20	1.32	0.19	1.29
(1,566)	1:251:B:MET:HE1	1:249:B:VAL:HG12	20	1.32	0.19	1.29
(1,566)	1:251:B:MET:HE2	1:249:A:VAL:HG21	20	1.32	0.19	1.29
(1,566)	1:251:B:MET:HE1	1:249:A:VAL:HG22	20	1.32	0.19	1.29
(1,566)	1:251:B:MET:HE3	1:249:A:VAL:HG21	20	1.32	0.19	1.29
(1,566)	1:251:B:MET:HE1	1:249:B:VAL:HG11	20	1.32	0.19	1.29
(1,565)	1:251:A:MET:HE2	1:249:B:VAL:HG22	20	1.31	0.19	1.3
(1,565)	1:251:A:MET:HE1	1:249:A:VAL:HG13	20	1.31	0.19	1.3
(1,565)	1:251:A:MET:HE3	1:249:B:VAL:HG22	20	1.31	0.19	1.3
(1,565)	1:251:A:MET:HE2	1:249:A:VAL:HG12	20	1.31	0.19	1.3
(1,565)	1:251:A:MET:HE2	1:249:A:VAL:HG13	20	1.31	0.19	1.3
(1,565)	1:251:A:MET:HE3	1:249:A:VAL:HG11	20	1.31	0.19	1.3
(1,565)	1:251:A:MET:HE1	1:249:B:VAL:HG23	20	1.31	0.19	1.3
(1,565)	1:251:A:MET:HE3	1:249:B:VAL:HG23	20	1.31	0.19	1.3
(1,565)	1:251:A:MET:HE3	1:249:A:VAL:HG13	20	1.31	0.19	1.3
(1,565)	1:251:A:MET:HE1	1:249:A:VAL:HG12	20	1.31	0.19	1.3
(1,565)	1:251:A:MET:HE2	1:249:B:VAL:HG21	20	1.31	0.19	1.3
(1,565)	1:251:A:MET:HE1	1:249:B:VAL:HG22	20	1.31	0.19	1.3
(1,565)	1:251:A:MET:HE3	1:249:B:VAL:HG21	20	1.31	0.19	1.3
(1,565)	1:251:A:MET:HE1	1:249:A:VAL:HG11	20	1.31	0.19	1.3

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,607)	1:245:A:THR:HG21	1:244:B:ILE:HD12	20	1.3	0.27	1.38
(1,607)	1:245:A:THR:HG22	1:244:B:ILE:HD12	20	1.3	0.27	1.38
(1,607)	1:245:A:THR:HG21	1:244:A:ILE:HG22	20	1.3	0.27	1.38
(1,607)	1:245:A:THR:HG22	1:244:A:ILE:HG22	20	1.3	0.27	1.38
(1,607)	1:245:A:THR:HG21	1:244:B:ILE:HD11	20	1.3	0.27	1.38
(1,607)	1:245:A:THR:HG23	1:244:A:ILE:HG21	20	1.3	0.27	1.38
(1,607)	1:245:A:THR:HG22	1:244:B:ILE:HD11	20	1.3	0.27	1.38
(1,607)	1:245:A:THR:HG22	1:244:A:ILE:HG23	20	1.3	0.27	1.38
(1,607)	1:245:A:THR:HG21	1:244:A:ILE:HG23	20	1.3	0.27	1.38
(1,607)	1:245:A:THR:HG21	1:244:B:ILE:HD13	20	1.3	0.27	1.38
(1,607)	1:245:A:THR:HG21	1:244:A:ILE:HG21	20	1.3	0.27	1.38
(1,607)	1:245:A:THR:HG22	1:244:A:ILE:HG21	20	1.3	0.27	1.38
(1,607)	1:245:A:THR:HG23	1:244:B:ILE:HD11	20	1.3	0.27	1.38
(1,607)	1:245:A:THR:HG23	1:244:A:ILE:HG22	20	1.3	0.27	1.38
(1,608)	1:245:B:THR:HG21	1:244:A:ILE:HD12	20	1.29	0.27	1.36
(1,608)	1:245:B:THR:HG22	1:244:A:ILE:HD12	20	1.29	0.27	1.36
(1,608)	1:245:B:THR:HG21	1:244:B:ILE:HG22	20	1.29	0.27	1.36
(1,608)	1:245:B:THR:HG22	1:244:B:ILE:HG22	20	1.29	0.27	1.36
(1,608)	1:245:B:THR:HG21	1:244:A:ILE:HD11	20	1.29	0.27	1.36
(1,608)	1:245:B:THR:HG23	1:244:B:ILE:HG21	20	1.29	0.27	1.36
(1,608)	1:245:B:THR:HG22	1:244:A:ILE:HD11	20	1.29	0.27	1.36
(1,608)	1:245:B:THR:HG22	1:244:B:ILE:HG23	20	1.29	0.27	1.36
(1,608)	1:245:B:THR:HG21	1:244:B:ILE:HG23	20	1.29	0.27	1.36
(1,608)	1:245:B:THR:HG21	1:244:A:ILE:HD13	20	1.29	0.27	1.36
(1,608)	1:245:B:THR:HG21	1:244:B:ILE:HG21	20	1.29	0.27	1.36
(1,608)	1:245:B:THR:HG22	1:244:B:ILE:HG21	20	1.29	0.27	1.36
(1,608)	1:245:B:THR:HG23	1:244:A:ILE:HD11	20	1.29	0.27	1.36
(1,608)	1:245:B:THR:HG23	1:244:B:ILE:HG22	20	1.29	0.27	1.36
(1,1439)	1:241:A:LEU:HD11	1:240:A:ARG:HB2	20	1.25	0.05	1.25
(1,1439)	1:241:A:LEU:HD11	1:240:A:ARG:HB3	20	1.25	0.05	1.25
(1,1439)	1:241:A:LEU:HD13	1:240:A:ARG:HB3	20	1.25	0.05	1.25
(1,1439)	1:241:A:LEU:HD12	1:240:A:ARG:HB2	20	1.25	0.05	1.25
(1,1439)	1:241:A:LEU:HD12	1:240:A:ARG:HB3	20	1.25	0.05	1.25
(1,1439)	1:241:A:LEU:HD13	1:240:A:ARG:HB2	20	1.25	0.05	1.25
(1,1439)	1:241:A:LEU:HD11	1:240:B:ARG:HB2	20	1.25	0.05	1.25
(1,1440)	1:241:B:LEU:HD11	1:240:B:ARG:HB2	20	1.24	0.06	1.25
(1,1440)	1:241:B:LEU:HD12	1:240:B:ARG:HB2	20	1.24	0.06	1.25
(1,1440)	1:241:B:LEU:HD13	1:240:B:ARG:HB3	20	1.24	0.06	1.25
(1,1440)	1:241:B:LEU:HD13	1:240:A:ARG:HB2	20	1.24	0.06	1.25
(1,1440)	1:241:B:LEU:HD12	1:240:B:ARG:HB3	20	1.24	0.06	1.25
(1,1440)	1:241:B:LEU:HD13	1:240:B:ARG:HB2	20	1.24	0.06	1.25
(1,1440)	1:241:B:LEU:HD11	1:240:B:ARG:HB3	20	1.24	0.06	1.25

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,1403)	1:257:A:THR:HG21	1:258:A:LEU:HD22	20	1.21	0.06	1.22
(3,1403)	1:257:A:THR:HG23	1:258:A:LEU:HD21	20	1.21	0.06	1.22
(3,1403)	1:257:A:THR:HG21	1:258:A:LEU:HD21	20	1.21	0.06	1.22
(3,1403)	1:257:A:THR:HG22	1:258:A:LEU:HD21	20	1.21	0.06	1.22
(3,1403)	1:257:A:THR:HG22	1:258:A:LEU:HD23	20	1.21	0.06	1.22
(3,1403)	1:257:A:THR:HG23	1:258:A:LEU:HD23	20	1.21	0.06	1.22
(3,1403)	1:257:A:THR:HG22	1:258:A:LEU:HD22	20	1.21	0.06	1.22
(3,1403)	1:257:A:THR:HG21	1:258:A:LEU:HD23	20	1.21	0.06	1.22
(3,1403)	1:257:A:THR:HG23	1:258:A:LEU:HD22	20	1.21	0.06	1.22
(3,1404)	1:257:B:THR:HG21	1:258:B:LEU:HD22	20	1.21	0.06	1.22
(3,1404)	1:257:B:THR:HG23	1:258:B:LEU:HD21	20	1.21	0.06	1.22
(3,1404)	1:257:B:THR:HG21	1:258:B:LEU:HD21	20	1.21	0.06	1.22
(3,1404)	1:257:B:THR:HG22	1:258:B:LEU:HD21	20	1.21	0.06	1.22
(3,1404)	1:257:B:THR:HG22	1:258:B:LEU:HD23	20	1.21	0.06	1.22
(3,1404)	1:257:B:THR:HG23	1:258:B:LEU:HD23	20	1.21	0.06	1.22
(3,1404)	1:257:B:THR:HG22	1:258:B:LEU:HD22	20	1.21	0.06	1.22
(3,1404)	1:257:B:THR:HG21	1:258:B:LEU:HD23	20	1.21	0.06	1.22
(3,1404)	1:257:B:THR:HG23	1:258:B:LEU:HD22	20	1.21	0.06	1.22
(1,1598)	1:262:B:LEU:HD12	1:259:A:ARG:HA	20	1.18	0.06	1.17
(1,1598)	1:262:B:LEU:HD11	1:259:A:ARG:HA	20	1.18	0.06	1.17
(1,1598)	1:262:B:LEU:HD13	1:259:A:ARG:HA	20	1.18	0.06	1.17
(1,1597)	1:262:A:LEU:HD12	1:259:B:ARG:HA	20	1.18	0.07	1.16
(1,1597)	1:262:A:LEU:HD11	1:259:B:ARG:HA	20	1.18	0.07	1.16
(1,1597)	1:262:A:LEU:HD13	1:259:B:ARG:HA	20	1.18	0.07	1.16
(3,1223)	1:244:A:ILE:HG23	1:244:A:ILE:HG13	20	1.1	0.02	1.1
(3,1223)	1:244:A:ILE:HG21	1:244:A:ILE:HG13	20	1.1	0.02	1.1
(3,1223)	1:244:A:ILE:HG22	1:244:A:ILE:HG13	20	1.1	0.02	1.1
(3,1224)	1:244:B:ILE:HG23	1:244:B:ILE:HG13	20	1.1	0.02	1.1
(3,1224)	1:244:B:ILE:HG21	1:244:B:ILE:HG13	20	1.1	0.02	1.1
(3,1224)	1:244:B:ILE:HG22	1:244:B:ILE:HG13	20	1.1	0.02	1.1
(1,1361)	1:262:A:LEU:HD21	1:265:B:ALA:HB2	20	1.08	0.12	1.06
(1,1361)	1:262:A:LEU:HD21	1:265:B:ALA:HB1	20	1.08	0.12	1.06
(1,1361)	1:262:A:LEU:HD23	1:265:B:ALA:HB3	20	1.08	0.12	1.06
(1,1361)	1:262:A:LEU:HD22	1:265:B:ALA:HB3	20	1.08	0.12	1.06
(1,1361)	1:262:A:LEU:HD21	1:265:B:ALA:HB3	20	1.08	0.12	1.06
(1,1361)	1:262:A:LEU:HD23	1:265:B:ALA:HB2	20	1.08	0.12	1.06
(1,1361)	1:262:A:LEU:HD22	1:265:B:ALA:HB1	20	1.08	0.12	1.06
(1,1361)	1:262:A:LEU:HD23	1:265:B:ALA:HB1	20	1.08	0.12	1.06
(1,1361)	1:262:A:LEU:HD22	1:265:B:ALA:HB2	20	1.08	0.12	1.06
(1,1362)	1:262:B:LEU:HD21	1:265:A:ALA:HB2	20	1.07	0.12	1.04
(1,1362)	1:262:B:LEU:HD21	1:265:A:ALA:HB1	20	1.07	0.12	1.04
(1,1362)	1:262:B:LEU:HD23	1:265:A:ALA:HB3	20	1.07	0.12	1.04

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1362)	1:262:B:LEU:HD22	1:265:A:ALA:HB3	20	1.07	0.12	1.04
(1,1362)	1:262:B:LEU:HD21	1:265:A:ALA:HB3	20	1.07	0.12	1.04
(1,1362)	1:262:B:LEU:HD23	1:265:A:ALA:HB2	20	1.07	0.12	1.04
(1,1362)	1:262:B:LEU:HD22	1:265:A:ALA:HB1	20	1.07	0.12	1.04
(1,1362)	1:262:B:LEU:HD23	1:265:A:ALA:HB1	20	1.07	0.12	1.04
(1,1362)	1:262:B:LEU:HD22	1:265:A:ALA:HB2	20	1.07	0.12	1.04
(1,2125)	1:225:A:VAL:HG23	1:227:A:ALA:HB1	20	1.06	0.15	1.06
(1,2125)	1:225:A:VAL:HG23	1:227:A:ALA:HB2	20	1.06	0.15	1.06
(1,2125)	1:225:A:VAL:HG21	1:227:A:ALA:HB3	20	1.06	0.15	1.06
(1,2125)	1:225:A:VAL:HG22	1:227:A:ALA:HB3	20	1.06	0.15	1.06
(1,2125)	1:225:A:VAL:HG21	1:227:A:ALA:HB1	20	1.06	0.15	1.06
(1,2125)	1:225:A:VAL:HG23	1:227:A:ALA:HB3	20	1.06	0.15	1.06
(1,2125)	1:225:A:VAL:HG22	1:227:A:ALA:HB1	20	1.06	0.15	1.06
(1,2125)	1:225:A:VAL:HG22	1:227:A:ALA:HB2	20	1.06	0.15	1.06
(1,2126)	1:225:B:VAL:HG23	1:227:B:ALA:HB1	20	1.05	0.15	1.06
(1,2126)	1:225:B:VAL:HG23	1:227:B:ALA:HB2	20	1.05	0.15	1.06
(1,2126)	1:225:B:VAL:HG21	1:227:B:ALA:HB3	20	1.05	0.15	1.06
(1,2126)	1:225:B:VAL:HG22	1:227:B:ALA:HB3	20	1.05	0.15	1.06
(1,2126)	1:225:B:VAL:HG21	1:227:B:ALA:HB1	20	1.05	0.15	1.06
(1,2126)	1:225:B:VAL:HG23	1:227:B:ALA:HB3	20	1.05	0.15	1.06
(1,2126)	1:225:B:VAL:HG22	1:227:B:ALA:HB1	20	1.05	0.15	1.06
(1,2126)	1:225:B:VAL:HG22	1:227:B:ALA:HB2	20	1.05	0.15	1.06
(1,1133)	1:234:A:ASN:HA	1:237:A:VAL:HG23	20	1.03	0.07	1.04
(1,1133)	1:234:A:ASN:HA	1:237:A:VAL:HG21	20	1.03	0.07	1.04
(1,1133)	1:234:A:ASN:HA	1:237:A:VAL:HG22	20	1.03	0.07	1.04
(1,1134)	1:234:B:ASN:HA	1:237:B:VAL:HG23	20	1.03	0.07	1.04
(1,1134)	1:234:B:ASN:HA	1:237:B:VAL:HG21	20	1.03	0.07	1.04
(1,1134)	1:234:B:ASN:HA	1:237:B:VAL:HG22	20	1.03	0.07	1.04
(1,2123)	1:225:A:VAL:HG12	1:224:A:GLU:HA	20	1.0	0.14	1.05
(1,2123)	1:225:A:VAL:HG11	1:224:A:GLU:HA	20	1.0	0.14	1.05
(1,2123)	1:225:A:VAL:HG13	1:224:A:GLU:HA	20	1.0	0.14	1.05
(1,2123)	1:225:A:VAL:HG11	1:222:A:SER:HB3	20	1.0	0.14	1.05
(1,2123)	1:225:A:VAL:HG13	1:222:A:SER:HB3	20	1.0	0.14	1.05
(1,2123)	1:225:A:VAL:HG12	1:222:A:SER:HB3	20	1.0	0.14	1.05
(1,2124)	1:225:B:VAL:HG12	1:224:B:GLU:HA	20	1.0	0.13	1.04
(1,2124)	1:225:B:VAL:HG11	1:224:B:GLU:HA	20	1.0	0.13	1.04
(1,2124)	1:225:B:VAL:HG13	1:224:B:GLU:HA	20	1.0	0.13	1.04
(1,2124)	1:225:B:VAL:HG11	1:222:B:SER:HB3	20	1.0	0.13	1.04
(1,2124)	1:225:B:VAL:HG13	1:222:B:SER:HB3	20	1.0	0.13	1.04
(1,2124)	1:225:B:VAL:HG12	1:222:B:SER:HB3	20	1.0	0.13	1.04
(3,942)	1:265:B:ALA:HB1	1:266:B:GLN:HG3	20	0.98	0.14	0.98
(3,942)	1:265:B:ALA:HB3	1:266:B:GLN:HG3	20	0.98	0.14	0.98

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,942)	1:265:B:ALA:HB2	1:266:B:GLN:HG3	20	0.98	0.14	0.98
(3,941)	1:265:A:ALA:HB1	1:266:A:GLN:HG3	20	0.98	0.15	0.98
(3,941)	1:265:A:ALA:HB3	1:266:A:GLN:HG3	20	0.98	0.15	0.98
(3,941)	1:265:A:ALA:HB2	1:266:A:GLN:HG3	20	0.98	0.15	0.98
(3,1941)	1:258:A:LEU:HD11	1:258:A:LEU:HG	20	0.97	0.01	0.98
(3,1941)	1:258:A:LEU:HD12	1:258:A:LEU:HG	20	0.97	0.01	0.98
(3,1941)	1:258:A:LEU:HD13	1:258:A:LEU:HG	20	0.97	0.01	0.98
(3,1942)	1:258:B:LEU:HD11	1:258:B:LEU:HG	20	0.97	0.01	0.97
(3,1942)	1:258:B:LEU:HD12	1:258:B:LEU:HG	20	0.97	0.01	0.97
(3,1942)	1:258:B:LEU:HD13	1:258:B:LEU:HG	20	0.97	0.01	0.97
(3,1395)	1:258:A:LEU:HD21	1:258:A:LEU:HG	20	0.97	0.01	0.97
(3,1395)	1:258:A:LEU:HD23	1:258:A:LEU:HG	20	0.97	0.01	0.97
(3,1395)	1:258:A:LEU:HD22	1:258:A:LEU:HG	20	0.97	0.01	0.97
(3,1396)	1:258:B:LEU:HD21	1:258:B:LEU:HG	20	0.97	0.01	0.97
(3,1396)	1:258:B:LEU:HD23	1:258:B:LEU:HG	20	0.97	0.01	0.97
(3,1396)	1:258:B:LEU:HD22	1:258:B:LEU:HG	20	0.97	0.01	0.97
(1,2120)	1:219:B:LYS:HE3	1:216:A:LEU:HD21	20	0.9	0.18	0.87
(1,2120)	1:219:B:LYS:HE2	1:216:A:LEU:HD23	20	0.9	0.18	0.87
(1,2120)	1:219:B:LYS:HE3	1:216:A:LEU:HD23	20	0.9	0.18	0.87
(1,2120)	1:219:B:LYS:HE2	1:216:A:LEU:HD21	20	0.9	0.18	0.87
(1,2120)	1:219:B:LYS:HE2	1:216:A:LEU:HD22	20	0.9	0.18	0.87
(1,2120)	1:216:B:LEU:HD11	1:219:B:LYS:HE3	20	0.9	0.18	0.87
(1,2120)	1:216:B:LEU:HD13	1:219:B:LYS:HE2	20	0.9	0.18	0.87
(1,2119)	1:219:A:LYS:HE3	1:216:B:LEU:HD21	20	0.9	0.18	0.86
(1,2119)	1:219:A:LYS:HE2	1:216:B:LEU:HD23	20	0.9	0.18	0.86
(1,2119)	1:219:A:LYS:HE3	1:216:B:LEU:HD23	20	0.9	0.18	0.86
(1,2119)	1:219:A:LYS:HE2	1:216:B:LEU:HD21	20	0.9	0.18	0.86
(1,2119)	1:219:A:LYS:HE2	1:216:B:LEU:HD22	20	0.9	0.18	0.86
(1,2119)	1:216:A:LEU:HD11	1:219:A:LYS:HE3	20	0.9	0.18	0.86
(1,2119)	1:216:A:LEU:HD13	1:219:A:LYS:HE2	20	0.9	0.18	0.86
(1,1337)	1:216:A:LEU:HD13	1:219:A:LYS:HE3	20	0.9	0.15	0.93
(1,1337)	1:216:A:LEU:HD13	1:219:A:LYS:HE2	20	0.9	0.15	0.93
(1,1337)	1:216:A:LEU:HD11	1:219:A:LYS:HE2	20	0.9	0.15	0.93
(1,1337)	1:216:A:LEU:HD11	1:219:A:LYS:HE3	20	0.9	0.15	0.93
(1,1337)	1:216:A:LEU:HD12	1:219:A:LYS:HE2	20	0.9	0.15	0.93
(1,1337)	1:216:A:LEU:HD12	1:219:A:LYS:HE3	20	0.9	0.15	0.93
(1,1338)	1:216:B:LEU:HD13	1:219:B:LYS:HE3	20	0.89	0.15	0.93
(1,1338)	1:216:B:LEU:HD13	1:219:B:LYS:HE2	20	0.89	0.15	0.93
(1,1338)	1:216:B:LEU:HD11	1:219:B:LYS:HE2	20	0.89	0.15	0.93
(1,1338)	1:216:B:LEU:HD11	1:219:B:LYS:HE3	20	0.89	0.15	0.93
(1,1338)	1:216:B:LEU:HD12	1:219:B:LYS:HE2	20	0.89	0.15	0.93
(1,1338)	1:216:B:LEU:HD12	1:219:B:LYS:HE3	20	0.89	0.15	0.93

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1580)	1:216:B:LEU:HD22	1:213:A:ASN:HB2	20	0.89	0.35	0.87
(1,1580)	1:213:B:ASN:HB2	1:216:B:LEU:HD21	20	0.89	0.35	0.87
(1,1580)	1:216:B:LEU:HD21	1:213:A:ASN:HB2	20	0.89	0.35	0.87
(1,1580)	1:213:B:ASN:HB2	1:216:B:LEU:HD23	20	0.89	0.35	0.87
(1,1580)	1:216:B:LEU:HD23	1:213:A:ASN:HB2	20	0.89	0.35	0.87
(1,1580)	1:216:B:LEU:HD22	1:213:A:ASN:HB3	20	0.89	0.35	0.87
(1,1580)	1:216:B:LEU:HD21	1:213:A:ASN:HB3	20	0.89	0.35	0.87
(1,1580)	1:216:B:LEU:HD23	1:213:A:ASN:HB3	20	0.89	0.35	0.87
(1,1579)	1:216:A:LEU:HD22	1:213:B:ASN:HB2	20	0.89	0.36	0.86
(1,1579)	1:213:A:ASN:HB2	1:216:A:LEU:HD21	20	0.89	0.36	0.86
(1,1579)	1:216:A:LEU:HD21	1:213:B:ASN:HB2	20	0.89	0.36	0.86
(1,1579)	1:213:A:ASN:HB2	1:216:A:LEU:HD23	20	0.89	0.36	0.86
(1,1579)	1:216:A:LEU:HD23	1:213:B:ASN:HB2	20	0.89	0.36	0.86
(1,1579)	1:216:A:LEU:HD22	1:213:B:ASN:HB3	20	0.89	0.36	0.86
(1,1579)	1:216:A:LEU:HD21	1:213:B:ASN:HB3	20	0.89	0.36	0.86
(1,1579)	1:216:A:LEU:HD23	1:213:B:ASN:HB3	20	0.89	0.36	0.86
(1,1115)	1:241:A:LEU:HD22	1:237:A:VAL:HG13	20	0.88	0.02	0.88
(1,1115)	1:241:A:LEU:HD23	1:237:A:VAL:HG11	20	0.88	0.02	0.88
(1,1115)	1:241:A:LEU:HD23	1:237:A:VAL:HG12	20	0.88	0.02	0.88
(1,1115)	1:241:A:LEU:HD21	1:237:A:VAL:HG12	20	0.88	0.02	0.88
(1,1115)	1:241:A:LEU:HD22	1:237:A:VAL:HG11	20	0.88	0.02	0.88
(1,1115)	1:241:A:LEU:HD21	1:237:A:VAL:HG11	20	0.88	0.02	0.88
(1,1115)	1:241:A:LEU:HD22	1:237:A:VAL:HG12	20	0.88	0.02	0.88
(1,1115)	1:241:A:LEU:HD21	1:237:A:VAL:HG13	20	0.88	0.02	0.88
(1,1116)	1:241:B:LEU:HD22	1:237:B:VAL:HG13	20	0.88	0.02	0.88
(1,1116)	1:241:B:LEU:HD23	1:237:B:VAL:HG11	20	0.88	0.02	0.88
(1,1116)	1:241:B:LEU:HD23	1:237:B:VAL:HG12	20	0.88	0.02	0.88
(1,1116)	1:241:B:LEU:HD21	1:237:B:VAL:HG12	20	0.88	0.02	0.88
(1,1116)	1:241:B:LEU:HD22	1:237:B:VAL:HG11	20	0.88	0.02	0.88
(1,1116)	1:241:B:LEU:HD21	1:237:B:VAL:HG11	20	0.88	0.02	0.88
(1,1116)	1:241:B:LEU:HD22	1:237:B:VAL:HG12	20	0.88	0.02	0.88
(1,1116)	1:241:B:LEU:HD21	1:237:B:VAL:HG13	20	0.88	0.02	0.88
(3,2042)	1:227:B:ALA:HA	1:227:B:ALA:H	20	0.87	0.01	0.87
(3,2041)	1:227:A:ALA:HA	1:227:A:ALA:H	20	0.87	0.01	0.87
(1,1437)	1:241:A:LEU:HD21	1:240:B:ARG:HB2	20	0.85	0.15	0.85
(1,1437)	1:240:A:ARG:HB2	1:241:A:LEU:HD21	20	0.85	0.15	0.85
(1,1437)	1:240:A:ARG:HB2	1:241:A:LEU:HD22	20	0.85	0.15	0.85
(1,1437)	1:241:A:LEU:HD23	1:240:B:ARG:HB2	20	0.85	0.15	0.85
(1,1437)	1:240:A:ARG:HB2	1:241:A:LEU:HD23	20	0.85	0.15	0.85
(1,1438)	1:241:B:LEU:HD21	1:240:A:ARG:HB2	20	0.84	0.15	0.84
(1,1438)	1:240:B:ARG:HB2	1:241:B:LEU:HD21	20	0.84	0.15	0.84
(1,1438)	1:240:B:ARG:HB2	1:241:B:LEU:HD22	20	0.84	0.15	0.84

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1438)	1:241:B:LEU:HD23	1:240:A:ARG:HB2	20	0.84	0.15	0.84
(1,1438)	1:240:B:ARG:HB2	1:241:B:LEU:HD23	20	0.84	0.15	0.84
(3,559)	1:257:A:THR:HG21	1:261:A:GLU:HG2	20	0.84	0.54	0.64
(3,559)	1:257:A:THR:HG23	1:261:A:GLU:HG2	20	0.84	0.54	0.64
(3,559)	1:257:A:THR:HG22	1:261:A:GLU:HG2	20	0.84	0.54	0.64
(3,560)	1:257:B:THR:HG21	1:261:B:GLU:HG2	20	0.84	0.55	0.62
(3,560)	1:257:B:THR:HG23	1:261:B:GLU:HG2	20	0.84	0.55	0.62
(3,560)	1:257:B:THR:HG22	1:261:B:GLU:HG2	20	0.84	0.55	0.62
(3,1974)	1:225:B:VAL:HG11	1:224:B:GLU:HG2	20	0.84	0.09	0.84
(3,1974)	1:225:B:VAL:HG13	1:224:B:GLU:HG2	20	0.84	0.09	0.84
(3,1974)	1:225:B:VAL:HG12	1:224:B:GLU:HG2	20	0.84	0.09	0.84
(3,1973)	1:225:A:VAL:HG11	1:224:A:GLU:HG2	20	0.84	0.09	0.84
(3,1973)	1:225:A:VAL:HG13	1:224:A:GLU:HG2	20	0.84	0.09	0.84
(3,1973)	1:225:A:VAL:HG12	1:224:A:GLU:HG2	20	0.84	0.09	0.84
(3,1074)	1:249:B:VAL:HB	1:253:B:ASP:HB3	20	0.83	0.21	0.89
(3,1073)	1:249:A:VAL:HB	1:253:A:ASP:HB3	20	0.83	0.21	0.88
(3,1437)	1:241:A:LEU:HD23	1:241:A:LEU:HG	20	0.82	0.01	0.82
(3,1437)	1:241:A:LEU:HD21	1:241:A:LEU:HG	20	0.82	0.01	0.82
(3,1437)	1:241:A:LEU:HD22	1:241:A:LEU:HG	20	0.82	0.01	0.82
(3,1438)	1:241:B:LEU:HD23	1:241:B:LEU:HG	20	0.82	0.01	0.82
(3,1438)	1:241:B:LEU:HD21	1:241:B:LEU:HG	20	0.82	0.01	0.82
(3,1438)	1:241:B:LEU:HD22	1:241:B:LEU:HG	20	0.82	0.01	0.82
(1,1514)	1:230:B:LEU:HD23	1:227:A:ALA:HB2	20	0.81	0.07	0.82
(1,1514)	1:230:B:LEU:HD22	1:227:A:ALA:HB3	20	0.81	0.07	0.82
(1,1514)	1:230:B:LEU:HD21	1:227:A:ALA:HB1	20	0.81	0.07	0.82
(1,1514)	1:230:B:LEU:HD22	1:227:A:ALA:HB1	20	0.81	0.07	0.82
(1,1514)	1:230:B:LEU:HD22	1:227:A:ALA:HB2	20	0.81	0.07	0.82
(1,1514)	1:230:B:LEU:HD23	1:227:A:ALA:HB1	20	0.81	0.07	0.82
(1,1514)	1:230:B:LEU:HD23	1:227:A:ALA:HB3	20	0.81	0.07	0.82
(1,1514)	1:230:B:LEU:HD21	1:227:A:ALA:HB2	20	0.81	0.07	0.82
(1,1514)	1:230:B:LEU:HD21	1:227:A:ALA:HB3	20	0.81	0.07	0.82
(1,1513)	1:230:A:LEU:HD23	1:227:B:ALA:HB2	20	0.81	0.07	0.82
(1,1513)	1:230:A:LEU:HD22	1:227:B:ALA:HB3	20	0.81	0.07	0.82
(1,1513)	1:230:A:LEU:HD21	1:227:B:ALA:HB1	20	0.81	0.07	0.82
(1,1513)	1:230:A:LEU:HD22	1:227:B:ALA:HB1	20	0.81	0.07	0.82
(1,1513)	1:230:A:LEU:HD22	1:227:B:ALA:HB2	20	0.81	0.07	0.82
(1,1513)	1:230:A:LEU:HD23	1:227:B:ALA:HB1	20	0.81	0.07	0.82
(1,1513)	1:230:A:LEU:HD23	1:227:B:ALA:HB3	20	0.81	0.07	0.82
(1,1513)	1:230:A:LEU:HD21	1:227:B:ALA:HB2	20	0.81	0.07	0.82
(1,1513)	1:230:A:LEU:HD21	1:227:B:ALA:HB3	20	0.81	0.07	0.82
(1,2284)	1:265:B:ALA:H	1:266:B:GLN:HG3	20	0.79	0.33	0.68
(1,2284)	1:265:B:ALA:H	1:267:B:GLN:HG3	20	0.79	0.33	0.68

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2283)	1:265:A:ALA:H	1:266:A:GLN:HG3	20	0.79	0.33	0.68
(1,2283)	1:265:A:ALA:H	1:267:A:GLN:HG3	20	0.79	0.33	0.68
(3,1387)	1:258:A:LEU:HD21	1:258:A:LEU:HA	20	0.79	0.01	0.78
(3,1387)	1:258:A:LEU:HD23	1:258:A:LEU:HA	20	0.79	0.01	0.78
(3,1387)	1:258:A:LEU:HD22	1:258:A:LEU:HA	20	0.79	0.01	0.78
(3,1388)	1:258:B:LEU:HD21	1:258:B:LEU:HA	20	0.79	0.01	0.78
(3,1388)	1:258:B:LEU:HD23	1:258:B:LEU:HA	20	0.79	0.01	0.78
(3,1388)	1:258:B:LEU:HD22	1:258:B:LEU:HA	20	0.79	0.01	0.78
(1,331)	1:227:A:ALA:HB2	1:227:A:ALA:HA	20	0.78	0.02	0.79
(1,331)	1:227:A:ALA:HB3	1:227:A:ALA:HA	20	0.78	0.02	0.79
(1,331)	1:227:A:ALA:HB1	1:227:A:ALA:HA	20	0.78	0.02	0.79
(1,331)	1:227:A:ALA:HB2	1:227:B:ALA:HA	20	0.78	0.02	0.79
(1,331)	1:227:A:ALA:HB1	1:227:B:ALA:HA	20	0.78	0.02	0.79
(1,332)	1:227:B:ALA:HB2	1:227:B:ALA:HA	20	0.78	0.02	0.79
(1,332)	1:227:B:ALA:HB3	1:227:B:ALA:HA	20	0.78	0.02	0.79
(1,332)	1:227:B:ALA:HB1	1:227:B:ALA:HA	20	0.78	0.02	0.79
(1,332)	1:227:B:ALA:HB2	1:227:A:ALA:HA	20	0.78	0.02	0.79
(1,332)	1:227:B:ALA:HB1	1:227:A:ALA:HA	20	0.78	0.02	0.79
(1,877)	1:262:A:LEU:HA	1:262:A:LEU:HB3	20	0.77	0.01	0.77
(1,878)	1:262:B:LEU:HA	1:262:B:LEU:HB3	20	0.77	0.0	0.77
(3,832)	1:265:B:ALA:HB2	1:262:B:LEU:HA	20	0.76	0.03	0.76
(3,832)	1:265:B:ALA:HB1	1:262:B:LEU:HA	20	0.76	0.03	0.76
(3,832)	1:265:B:ALA:HB3	1:262:B:LEU:HA	20	0.76	0.03	0.76
(3,831)	1:265:A:ALA:HB2	1:262:A:LEU:HA	20	0.76	0.03	0.76
(3,831)	1:265:A:ALA:HB1	1:262:A:LEU:HA	20	0.76	0.03	0.76
(3,831)	1:265:A:ALA:HB3	1:262:A:LEU:HA	20	0.76	0.03	0.76
(1,206)	1:258:B:LEU:HD12	1:260:A:THR:HG23	20	0.73	0.12	0.78
(1,206)	1:258:B:LEU:HD13	1:260:A:THR:HG21	20	0.73	0.12	0.78
(1,206)	1:258:B:LEU:HD11	1:257:A:THR:HG21	20	0.73	0.12	0.78
(1,206)	1:258:B:LEU:HD11	1:260:A:THR:HG21	20	0.73	0.12	0.78
(1,206)	1:258:B:LEU:HD11	1:260:A:THR:HG23	20	0.73	0.12	0.78
(1,206)	1:258:B:LEU:HD13	1:257:A:THR:HG22	20	0.73	0.12	0.78
(1,206)	1:258:B:LEU:HD12	1:260:A:THR:HG22	20	0.73	0.12	0.78
(1,206)	1:258:B:LEU:HD12	1:257:A:THR:HG23	20	0.73	0.12	0.78
(1,206)	1:258:B:LEU:HD13	1:260:A:THR:HG22	20	0.73	0.12	0.78
(1,206)	1:258:B:LEU:HD12	1:257:A:THR:HG21	20	0.73	0.12	0.78
(1,206)	1:258:B:LEU:HD11	1:260:A:THR:HG22	20	0.73	0.12	0.78
(1,206)	1:258:B:LEU:HD11	1:257:A:THR:HG22	20	0.73	0.12	0.78
(1,2264)	1:263:B:SER:H	1:262:A:LEU:HD12	20	0.73	0.04	0.73
(1,2264)	1:263:B:SER:H	1:262:A:LEU:HD11	20	0.73	0.04	0.73
(1,2264)	1:263:B:SER:H	1:262:A:LEU:HD13	20	0.73	0.04	0.73
(1,2264)	1:263:B:SER:H	1:262:B:LEU:HD12	20	0.73	0.04	0.73

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2264)	1:263:B:SER:H	1:262:B:LEU:HD11	20	0.73	0.04	0.73
(1,2264)	1:263:B:SER:H	1:262:A:LEU:HD23	20	0.73	0.04	0.73
(1,2263)	1:263:A:SER:H	1:262:B:LEU:HD12	20	0.72	0.05	0.72
(1,2263)	1:263:A:SER:H	1:262:B:LEU:HD11	20	0.72	0.05	0.72
(1,2263)	1:263:A:SER:H	1:262:B:LEU:HD13	20	0.72	0.05	0.72
(1,2263)	1:263:A:SER:H	1:258:B:LEU:HD22	20	0.72	0.05	0.72
(1,2263)	1:263:A:SER:H	1:262:A:LEU:HD12	20	0.72	0.05	0.72
(1,2263)	1:263:A:SER:H	1:262:A:LEU:HD11	20	0.72	0.05	0.72
(1,2263)	1:263:A:SER:H	1:262:B:LEU:HD21	20	0.72	0.05	0.72
(1,2263)	1:263:A:SER:H	1:262:B:LEU:HD23	20	0.72	0.05	0.72
(1,205)	1:258:A:LEU:HD12	1:260:B:THR:HG23	20	0.72	0.1	0.76
(1,205)	1:258:A:LEU:HD13	1:260:B:THR:HG21	20	0.72	0.1	0.76
(1,205)	1:258:A:LEU:HD11	1:257:B:THR:HG21	20	0.72	0.1	0.76
(1,205)	1:258:A:LEU:HD11	1:260:B:THR:HG21	20	0.72	0.1	0.76
(1,205)	1:258:A:LEU:HD11	1:260:B:THR:HG23	20	0.72	0.1	0.76
(1,205)	1:258:A:LEU:HD13	1:257:B:THR:HG22	20	0.72	0.1	0.76
(1,205)	1:258:A:LEU:HD12	1:260:B:THR:HG22	20	0.72	0.1	0.76
(1,205)	1:258:A:LEU:HD12	1:257:B:THR:HG23	20	0.72	0.1	0.76
(1,205)	1:258:A:LEU:HD13	1:260:B:THR:HG22	20	0.72	0.1	0.76
(1,205)	1:258:A:LEU:HD12	1:257:B:THR:HG21	20	0.72	0.1	0.76
(1,205)	1:258:A:LEU:HD11	1:260:B:THR:HG22	20	0.72	0.1	0.76
(1,205)	1:258:A:LEU:HD11	1:257:B:THR:HG22	20	0.72	0.1	0.76
(1,1868)	1:240:B:ARG:HG2	1:241:A:LEU:HD22	20	0.72	0.15	0.67
(1,1868)	1:240:B:ARG:HG2	1:241:A:LEU:HD23	20	0.72	0.15	0.67
(1,1868)	1:240:B:ARG:HG2	1:241:A:LEU:HD21	20	0.72	0.15	0.67
(1,1868)	1:244:B:ILE:HD12	1:240:B:ARG:HG2	20	0.72	0.15	0.67
(1,1868)	1:241:B:LEU:HD23	1:240:B:ARG:HG2	20	0.72	0.15	0.67
(1,352)	1:227:B:ALA:HB2	1:227:B:ALA:HA	20	0.71	0.02	0.72
(1,352)	1:227:B:ALA:HB3	1:227:B:ALA:HA	20	0.71	0.02	0.72
(1,352)	1:227:B:ALA:HB1	1:227:B:ALA:HA	20	0.71	0.02	0.72
(1,352)	1:227:B:ALA:HA	1:227:A:ALA:HB2	20	0.71	0.02	0.72
(1,352)	1:227:B:ALA:HA	1:227:A:ALA:HB1	20	0.71	0.02	0.72
(1,351)	1:227:A:ALA:HB2	1:227:A:ALA:HA	20	0.71	0.02	0.72
(1,351)	1:227:A:ALA:HB3	1:227:A:ALA:HA	20	0.71	0.02	0.72
(1,351)	1:227:A:ALA:HB1	1:227:A:ALA:HA	20	0.71	0.02	0.72
(1,351)	1:227:A:ALA:HA	1:227:B:ALA:HB2	20	0.71	0.02	0.72
(1,351)	1:227:A:ALA:HA	1:227:B:ALA:HB1	20	0.71	0.02	0.72
(1,1867)	1:240:A:ARG:HG2	1:241:B:LEU:HD22	20	0.71	0.14	0.67
(1,1867)	1:240:A:ARG:HG2	1:241:B:LEU:HD23	20	0.71	0.14	0.67
(1,1867)	1:240:A:ARG:HG2	1:241:B:LEU:HD21	20	0.71	0.14	0.67
(1,1867)	1:244:A:ILE:HD12	1:240:A:ARG:HG2	20	0.71	0.14	0.67
(1,1867)	1:241:A:LEU:HD21	1:240:A:ARG:HG2	20	0.71	0.14	0.67

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,1356)	1:262:B:LEU:HB2	1:262:B:LEU:HA	20	0.71	0.02	0.7
(3,1355)	1:262:A:LEU:HB2	1:262:A:LEU:HA	20	0.7	0.02	0.7
(1,1422)	1:258:B:LEU:HD22	1:255:A:PHE:HB2	20	0.7	0.21	0.73
(1,1422)	1:258:B:LEU:HD21	1:255:A:PHE:HB2	20	0.7	0.21	0.73
(1,1422)	1:258:B:LEU:HD23	1:255:A:PHE:HB2	20	0.7	0.21	0.73
(1,1554)	1:223:B:LEU:HD21	1:223:A:LEU:HB2	20	0.69	0.02	0.69
(1,1554)	1:223:B:LEU:HD23	1:223:A:LEU:HB2	20	0.69	0.02	0.69
(1,1554)	1:223:B:LEU:HD22	1:223:A:LEU:HB2	20	0.69	0.02	0.69
(1,1421)	1:258:A:LEU:HD22	1:255:B:PHE:HB2	20	0.69	0.21	0.7
(1,1421)	1:258:A:LEU:HD21	1:255:B:PHE:HB2	20	0.69	0.21	0.7
(1,1421)	1:258:A:LEU:HD23	1:255:B:PHE:HB2	20	0.69	0.21	0.7
(3,326)	1:227:B:ALA:HB1	1:223:A:LEU:HD23	20	0.69	0.13	0.72
(3,326)	1:227:B:ALA:HB2	1:223:A:LEU:HD23	20	0.69	0.13	0.72
(3,326)	1:227:B:ALA:HB3	1:223:A:LEU:HD23	20	0.69	0.13	0.72
(3,326)	1:227:B:ALA:HB3	1:223:A:LEU:HD21	20	0.69	0.13	0.72
(3,326)	1:227:B:ALA:HB1	1:223:A:LEU:HD21	20	0.69	0.13	0.72
(3,326)	1:227:B:ALA:HB1	1:223:A:LEU:HD22	20	0.69	0.13	0.72
(3,326)	1:227:B:ALA:HB3	1:223:A:LEU:HD22	20	0.69	0.13	0.72
(1,1553)	1:223:A:LEU:HD21	1:223:B:LEU:HB2	20	0.69	0.02	0.68
(1,1553)	1:223:A:LEU:HD23	1:223:B:LEU:HB2	20	0.69	0.02	0.68
(1,1553)	1:223:A:LEU:HD22	1:223:B:LEU:HB2	20	0.69	0.02	0.68
(3,325)	1:227:A:ALA:HB1	1:223:B:LEU:HD23	20	0.69	0.13	0.72
(3,325)	1:227:A:ALA:HB2	1:223:B:LEU:HD23	20	0.69	0.13	0.72
(3,325)	1:227:A:ALA:HB3	1:223:B:LEU:HD23	20	0.69	0.13	0.72
(3,325)	1:227:A:ALA:HB3	1:223:B:LEU:HD21	20	0.69	0.13	0.72
(3,325)	1:227:A:ALA:HB1	1:223:B:LEU:HD21	20	0.69	0.13	0.72
(3,325)	1:227:A:ALA:HB2	1:223:B:LEU:HD21	20	0.69	0.13	0.72
(3,325)	1:227:A:ALA:HB1	1:223:B:LEU:HD22	20	0.69	0.13	0.72
(3,325)	1:227:A:ALA:HB3	1:223:B:LEU:HD22	20	0.69	0.13	0.72
(1,2231)	1:216:A:LEU:HD11	1:220:B:ILE:HA	20	0.68	0.09	0.69
(1,2231)	1:216:A:LEU:HD12	1:220:B:ILE:HA	20	0.68	0.09	0.69
(1,2231)	1:216:A:LEU:HD13	1:220:B:ILE:HA	20	0.68	0.09	0.69
(1,2232)	1:216:B:LEU:HD11	1:220:A:ILE:HA	20	0.67	0.08	0.68
(1,2232)	1:216:B:LEU:HD12	1:220:A:ILE:HA	20	0.67	0.08	0.68
(1,2232)	1:216:B:LEU:HD13	1:220:A:ILE:HA	20	0.67	0.08	0.68
(1,1232)	1:220:B:ILE:HG23	1:220:A:ILE:HG12	20	0.66	0.1	0.7
(1,1232)	1:220:B:ILE:HG22	1:220:B:ILE:HG13	20	0.66	0.1	0.7
(1,1232)	1:220:B:ILE:HG21	1:220:B:ILE:HG13	20	0.66	0.1	0.7
(1,1232)	1:220:B:ILE:HG21	1:220:A:ILE:HG12	20	0.66	0.1	0.7
(1,1232)	1:220:B:ILE:HG22	1:220:A:ILE:HG12	20	0.66	0.1	0.7
(1,1231)	1:220:A:ILE:HG23	1:220:B:ILE:HG12	20	0.66	0.1	0.68
(1,1231)	1:220:A:ILE:HG22	1:220:A:ILE:HG13	20	0.66	0.1	0.68

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1231)	1:220:A:ILE:HG21	1:220:A:ILE:HG13	20	0.66	0.1	0.68
(1,1231)	1:220:A:ILE:HG21	1:220:B:ILE:HG12	20	0.66	0.1	0.68
(1,1231)	1:220:A:ILE:HG22	1:220:B:ILE:HG12	20	0.66	0.1	0.68
(1,2277)	1:265:A:ALA:HA	1:265:A:ALA:H	20	0.64	0.02	0.63
(1,2278)	1:265:B:ALA:HA	1:265:B:ALA:H	20	0.64	0.02	0.63
(3,888)	1:266:B:GLN:HG3	1:266:B:GLN:H	20	0.64	0.1	0.6
(3,887)	1:266:A:GLN:HG3	1:266:A:GLN:H	20	0.64	0.1	0.6
(1,354)	1:227:B:ALA:HA	1:230:B:LEU:HD22	20	0.62	0.05	0.62
(1,354)	1:227:B:ALA:HA	1:230:B:LEU:HD21	20	0.62	0.05	0.62
(1,354)	1:227:B:ALA:HA	1:230:B:LEU:HD23	20	0.62	0.05	0.62
(1,353)	1:227:A:ALA:HA	1:230:A:LEU:HD22	20	0.62	0.05	0.62
(1,353)	1:227:A:ALA:HA	1:230:A:LEU:HD21	20	0.62	0.05	0.62
(1,353)	1:227:A:ALA:HA	1:230:A:LEU:HD23	20	0.62	0.05	0.62
(1,1325)	1:269:A:LEU:HG	1:269:A:LEU:HD21	20	0.62	0.01	0.62
(1,1325)	1:269:A:LEU:HG	1:269:A:LEU:HD23	20	0.62	0.01	0.62
(1,1325)	1:269:A:LEU:HG	1:269:A:LEU:HD22	20	0.62	0.01	0.62
(1,1326)	1:269:B:LEU:HG	1:269:B:LEU:HD21	20	0.62	0.01	0.62
(1,1326)	1:269:B:LEU:HG	1:269:B:LEU:HD23	20	0.62	0.01	0.62
(1,1326)	1:269:B:LEU:HG	1:269:B:LEU:HD22	20	0.62	0.01	0.62
(3,1441)	1:241:A:LEU:HD11	1:241:A:LEU:HG	20	0.59	0.01	0.59
(3,1441)	1:241:A:LEU:HD12	1:241:A:LEU:HG	20	0.59	0.01	0.59
(3,1441)	1:241:A:LEU:HD13	1:241:A:LEU:HG	20	0.59	0.01	0.59
(3,1442)	1:241:B:LEU:HD11	1:241:B:LEU:HG	20	0.59	0.01	0.59
(3,1442)	1:241:B:LEU:HD12	1:241:B:LEU:HG	20	0.59	0.01	0.59
(3,1442)	1:241:B:LEU:HD13	1:241:B:LEU:HG	20	0.59	0.01	0.59
(1,872)	1:262:B:LEU:HA	1:262:B:LEU:HD13	20	0.59	0.03	0.6
(1,872)	1:262:B:LEU:HA	1:262:A:LEU:HD11	20	0.59	0.03	0.6
(1,872)	1:262:B:LEU:HA	1:262:B:LEU:HD11	20	0.59	0.03	0.6
(1,872)	1:262:B:LEU:HA	1:262:A:LEU:HD13	20	0.59	0.03	0.6
(1,872)	1:262:B:LEU:HA	1:262:B:LEU:HD12	20	0.59	0.03	0.6
(1,872)	1:262:B:LEU:HA	1:262:A:LEU:HD12	20	0.59	0.03	0.6
(1,1533)	1:223:A:LEU:HD23	1:231:B:GLN:H	20	0.59	0.09	0.58
(1,1533)	1:223:A:LEU:HD23	1:220:B:ILE:H	20	0.59	0.09	0.58
(1,1533)	1:223:A:LEU:HD22	1:231:B:GLN:H	20	0.59	0.09	0.58
(1,1533)	1:223:A:LEU:HD21	1:231:B:GLN:H	20	0.59	0.09	0.58
(1,1533)	1:223:A:LEU:HD23	1:221:B:ASN:H	20	0.59	0.09	0.58
(1,871)	1:262:A:LEU:HA	1:262:A:LEU:HD13	20	0.59	0.03	0.6
(1,871)	1:262:A:LEU:HA	1:262:B:LEU:HD11	20	0.59	0.03	0.6
(1,871)	1:262:A:LEU:HA	1:262:A:LEU:HD11	20	0.59	0.03	0.6
(1,871)	1:262:A:LEU:HA	1:262:B:LEU:HD13	20	0.59	0.03	0.6
(1,871)	1:262:A:LEU:HA	1:262:A:LEU:HD12	20	0.59	0.03	0.6
(1,871)	1:262:A:LEU:HA	1:262:B:LEU:HD12	20	0.59	0.03	0.6

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1179)	1:245:A:THR:HG21	1:244:A:ILE:HG22	20	0.59	0.16	0.62
(1,1179)	1:245:A:THR:HG22	1:244:A:ILE:HG22	20	0.59	0.16	0.62
(1,1179)	1:245:A:THR:HG21	1:244:A:ILE:HG23	20	0.59	0.16	0.62
(1,1179)	1:245:A:THR:HG23	1:244:A:ILE:HG21	20	0.59	0.16	0.62
(1,1179)	1:245:A:THR:HG22	1:244:A:ILE:HG23	20	0.59	0.16	0.62
(1,1179)	1:245:A:THR:HG21	1:244:A:ILE:HG21	20	0.59	0.16	0.62
(1,1179)	1:245:A:THR:HG22	1:244:A:ILE:HG21	20	0.59	0.16	0.62
(1,1179)	1:245:A:THR:HG23	1:244:A:ILE:HG22	20	0.59	0.16	0.62
(1,1180)	1:245:B:THR:HG21	1:244:B:ILE:HG22	20	0.59	0.16	0.62
(1,1180)	1:245:B:THR:HG22	1:244:B:ILE:HG22	20	0.59	0.16	0.62
(1,1180)	1:245:B:THR:HG21	1:244:B:ILE:HG23	20	0.59	0.16	0.62
(1,1180)	1:245:B:THR:HG23	1:244:B:ILE:HG21	20	0.59	0.16	0.62
(1,1180)	1:245:B:THR:HG22	1:244:B:ILE:HG23	20	0.59	0.16	0.62
(1,1180)	1:245:B:THR:HG21	1:244:B:ILE:HG21	20	0.59	0.16	0.62
(1,1180)	1:245:B:THR:HG22	1:244:B:ILE:HG21	20	0.59	0.16	0.62
(1,1180)	1:245:B:THR:HG23	1:244:B:ILE:HG22	20	0.59	0.16	0.62
(1,1534)	1:223:B:LEU:HD23	1:231:A:GLN:H	20	0.58	0.1	0.56
(1,1534)	1:223:B:LEU:HD23	1:220:A:ILE:H	20	0.58	0.1	0.56
(1,1534)	1:223:B:LEU:HD22	1:231:A:GLN:H	20	0.58	0.1	0.56
(1,1534)	1:223:B:LEU:HD21	1:231:A:GLN:H	20	0.58	0.1	0.56
(1,1335)	1:269:A:LEU:HD11	1:268:B:LYS:HB2	20	0.57	0.3	0.58
(1,1335)	1:269:A:LEU:HD12	1:268:B:LYS:HB2	20	0.57	0.3	0.58
(1,1335)	1:269:A:LEU:HD13	1:268:B:LYS:HB2	20	0.57	0.3	0.58
(3,1322)	1:216:B:LEU:HD11	1:216:A:LEU:HB2	20	0.57	0.02	0.57
(3,1322)	1:216:B:LEU:HD12	1:216:A:LEU:HB2	20	0.57	0.02	0.57
(3,1322)	1:216:B:LEU:HD13	1:216:A:LEU:HB2	20	0.57	0.02	0.57
(1,2285)	1:227:A:ALA:HB1	1:227:A:ALA:H	20	0.57	0.04	0.56
(1,2285)	1:227:A:ALA:HB2	1:227:A:ALA:H	20	0.57	0.04	0.56
(1,2285)	1:227:A:ALA:HB3	1:227:A:ALA:H	20	0.57	0.04	0.56
(1,2285)	1:227:A:ALA:H	1:227:B:ALA:HB2	20	0.57	0.04	0.56
(1,2285)	1:227:A:ALA:H	1:227:B:ALA:HB1	20	0.57	0.04	0.56
(1,2286)	1:227:B:ALA:HB1	1:227:B:ALA:H	20	0.57	0.04	0.57
(1,2286)	1:227:B:ALA:HB2	1:227:B:ALA:H	20	0.57	0.04	0.57
(1,2286)	1:227:B:ALA:HB3	1:227:B:ALA:H	20	0.57	0.04	0.57
(1,2286)	1:227:B:ALA:H	1:227:A:ALA:HB2	20	0.57	0.04	0.57
(1,2286)	1:227:B:ALA:H	1:227:A:ALA:HB1	20	0.57	0.04	0.57
(3,1321)	1:216:A:LEU:HD11	1:216:B:LEU:HB2	20	0.57	0.01	0.57
(3,1321)	1:216:A:LEU:HD12	1:216:B:LEU:HB2	20	0.57	0.01	0.57
(3,1321)	1:216:A:LEU:HD13	1:216:B:LEU:HB2	20	0.57	0.01	0.57
(1,1328)	1:262:B:LEU:HD22	1:262:B:LEU:HG	20	0.57	0.01	0.57
(1,1328)	1:262:B:LEU:HD21	1:262:B:LEU:HG	20	0.57	0.01	0.57
(1,1328)	1:262:B:LEU:HD23	1:262:B:LEU:HG	20	0.57	0.01	0.57

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1328)	1:210:B:LEU:HD12	1:210:B:LEU:HB2	20	0.57	0.01	0.57
(1,1328)	1:210:B:LEU:HD11	1:210:B:LEU:HG	20	0.57	0.01	0.57
(1,1328)	1:269:B:LEU:HB3	1:269:B:LEU:HD12	20	0.57	0.01	0.57
(1,1328)	1:210:B:LEU:HD13	1:210:B:LEU:HG	20	0.57	0.01	0.57
(1,1327)	1:262:A:LEU:HD22	1:262:A:LEU:HG	20	0.57	0.01	0.57
(1,1327)	1:262:A:LEU:HD21	1:262:A:LEU:HG	20	0.57	0.01	0.57
(1,1327)	1:262:A:LEU:HD23	1:262:A:LEU:HG	20	0.57	0.01	0.57
(1,1327)	1:210:A:LEU:HD13	1:210:A:LEU:HG	20	0.57	0.01	0.57
(1,1327)	1:210:A:LEU:HD11	1:210:A:LEU:HG	20	0.57	0.01	0.57
(1,1327)	1:269:A:LEU:HB3	1:269:A:LEU:HD12	20	0.57	0.01	0.57
(1,1327)	1:210:A:LEU:HD12	1:210:A:LEU:HG	20	0.57	0.01	0.57
(1,1429)	1:258:A:LEU:HD23	1:266:B:GLN:HG2	20	0.57	0.2	0.55
(1,1429)	1:258:A:LEU:HD22	1:266:B:GLN:HG2	20	0.57	0.2	0.55
(1,1429)	1:258:A:LEU:HD21	1:266:B:GLN:HG2	20	0.57	0.2	0.55
(1,1430)	1:258:B:LEU:HD23	1:266:A:GLN:HG2	20	0.56	0.2	0.54
(1,1430)	1:258:B:LEU:HD22	1:266:A:GLN:HG2	20	0.56	0.2	0.54
(1,1430)	1:258:B:LEU:HD21	1:266:A:GLN:HG2	20	0.56	0.2	0.54
(3,1249)	1:220:A:ILE:HG22	1:220:A:ILE:HG13	20	0.54	0.01	0.54
(3,1249)	1:220:A:ILE:HG21	1:220:A:ILE:HG13	20	0.54	0.01	0.54
(3,1249)	1:220:A:ILE:HG23	1:220:A:ILE:HG13	20	0.54	0.01	0.54
(1,1556)	1:223:B:LEU:HD21	1:223:A:LEU:HB3	20	0.54	0.02	0.53
(1,1556)	1:223:B:LEU:HD23	1:223:A:LEU:HB3	20	0.54	0.02	0.53
(1,1556)	1:223:B:LEU:HD22	1:223:A:LEU:HB3	20	0.54	0.02	0.53
(3,1250)	1:220:B:ILE:HG22	1:220:B:ILE:HG13	20	0.54	0.01	0.54
(3,1250)	1:220:B:ILE:HG21	1:220:B:ILE:HG13	20	0.54	0.01	0.54
(3,1250)	1:220:B:ILE:HG23	1:220:B:ILE:HG13	20	0.54	0.01	0.54
(3,2031)	1:265:A:ALA:HB2	1:265:A:ALA:H	20	0.53	0.02	0.52
(3,2031)	1:265:A:ALA:HB1	1:265:A:ALA:H	20	0.53	0.02	0.52
(3,2031)	1:265:A:ALA:HB3	1:265:A:ALA:H	20	0.53	0.02	0.52
(1,1555)	1:223:A:LEU:HD21	1:223:B:LEU:HB3	20	0.53	0.02	0.53
(1,1555)	1:223:A:LEU:HD23	1:223:B:LEU:HB3	20	0.53	0.02	0.53
(1,1555)	1:223:A:LEU:HD22	1:223:B:LEU:HB3	20	0.53	0.02	0.53
(3,2032)	1:265:B:ALA:HB2	1:265:B:ALA:H	20	0.53	0.02	0.52
(3,2032)	1:265:B:ALA:HB1	1:265:B:ALA:H	20	0.53	0.02	0.52
(3,2032)	1:265:B:ALA:HB3	1:265:B:ALA:H	20	0.53	0.02	0.52
(3,1179)	1:225:A:VAL:HB	1:225:A:VAL:HG13	20	0.52	0.01	0.52
(3,1179)	1:225:A:VAL:HB	1:225:A:VAL:HG12	20	0.52	0.01	0.52
(3,1179)	1:225:A:VAL:HB	1:225:A:VAL:HG11	20	0.52	0.01	0.52
(3,1180)	1:225:B:VAL:HB	1:225:B:VAL:HG13	20	0.52	0.01	0.52
(3,1180)	1:225:B:VAL:HB	1:225:B:VAL:HG12	20	0.52	0.01	0.52
(3,1180)	1:225:B:VAL:HB	1:225:B:VAL:HG11	20	0.52	0.01	0.52
(3,1958)	1:269:B:LEU:HD11	1:265:A:ALA:HB3	20	0.51	0.01	0.51

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,1958)	1:269:B:LEU:HD11	1:265:A:ALA:HB2	20	0.51	0.01	0.51
(3,1958)	1:269:B:LEU:HD11	1:265:A:ALA:HB1	20	0.51	0.01	0.51
(3,1958)	1:269:B:LEU:HD12	1:265:A:ALA:HB2	20	0.51	0.01	0.51
(3,1958)	1:269:B:LEU:HD13	1:265:A:ALA:HB1	20	0.51	0.01	0.51
(3,1958)	1:269:B:LEU:HD13	1:265:A:ALA:HB2	20	0.51	0.01	0.51
(3,1958)	1:269:B:LEU:HD13	1:265:A:ALA:HB3	20	0.51	0.01	0.51
(3,1958)	1:269:B:LEU:HD12	1:265:A:ALA:HB3	20	0.51	0.01	0.51
(3,1102)	1:237:B:VAL:HG21	1:241:A:LEU:HD22	20	0.51	0.03	0.51
(3,1102)	1:237:B:VAL:HG22	1:241:A:LEU:HD23	20	0.51	0.03	0.51
(3,1102)	1:237:B:VAL:HG23	1:241:A:LEU:HD21	20	0.51	0.03	0.51
(3,1102)	1:237:B:VAL:HG22	1:241:A:LEU:HD22	20	0.51	0.03	0.51
(3,1102)	1:237:B:VAL:HG23	1:241:A:LEU:HD22	20	0.51	0.03	0.51
(3,1102)	1:237:B:VAL:HG21	1:241:A:LEU:HD23	20	0.51	0.03	0.51
(3,1102)	1:237:B:VAL:HG21	1:241:A:LEU:HD21	20	0.51	0.03	0.51
(3,1957)	1:269:A:LEU:HD11	1:265:B:ALA:HB3	20	0.51	0.0	0.51
(3,1957)	1:269:A:LEU:HD11	1:265:B:ALA:HB2	20	0.51	0.0	0.51
(3,1957)	1:269:A:LEU:HD11	1:265:B:ALA:HB1	20	0.51	0.0	0.51
(3,1957)	1:269:A:LEU:HD12	1:265:B:ALA:HB2	20	0.51	0.0	0.51
(3,1957)	1:269:A:LEU:HD13	1:265:B:ALA:HB1	20	0.51	0.0	0.51
(3,1957)	1:269:A:LEU:HD13	1:265:B:ALA:HB2	20	0.51	0.0	0.51
(3,1957)	1:269:A:LEU:HD13	1:265:B:ALA:HB3	20	0.51	0.0	0.51
(3,1957)	1:269:A:LEU:HD12	1:265:B:ALA:HB3	20	0.51	0.0	0.51
(3,1101)	1:237:A:VAL:HG21	1:241:B:LEU:HD22	20	0.51	0.03	0.51
(3,1101)	1:237:A:VAL:HG22	1:241:B:LEU:HD23	20	0.51	0.03	0.51
(3,1101)	1:237:A:VAL:HG23	1:241:B:LEU:HD21	20	0.51	0.03	0.51
(3,1101)	1:237:A:VAL:HG22	1:241:B:LEU:HD22	20	0.51	0.03	0.51
(3,1101)	1:237:A:VAL:HG23	1:241:B:LEU:HD22	20	0.51	0.03	0.51
(3,1101)	1:237:A:VAL:HG21	1:241:B:LEU:HD23	20	0.51	0.03	0.51
(3,1101)	1:237:A:VAL:HG21	1:241:B:LEU:HD21	20	0.51	0.03	0.51
(3,1429)	1:241:A:LEU:HD22	1:237:B:VAL:HG21	20	0.51	0.03	0.51
(3,1429)	1:241:A:LEU:HD23	1:237:B:VAL:HG22	20	0.51	0.03	0.51
(3,1429)	1:241:A:LEU:HD21	1:237:B:VAL:HG23	20	0.51	0.03	0.51
(3,1429)	1:241:A:LEU:HD22	1:237:B:VAL:HG22	20	0.51	0.03	0.51
(3,1429)	1:241:A:LEU:HD22	1:237:B:VAL:HG23	20	0.51	0.03	0.51
(3,1429)	1:241:A:LEU:HD23	1:237:B:VAL:HG21	20	0.51	0.03	0.51
(3,1429)	1:241:A:LEU:HD21	1:237:B:VAL:HG21	20	0.51	0.03	0.51
(3,1430)	1:241:B:LEU:HD22	1:237:A:VAL:HG21	20	0.51	0.03	0.5
(3,1430)	1:241:B:LEU:HD23	1:237:A:VAL:HG22	20	0.51	0.03	0.5
(3,1430)	1:241:B:LEU:HD21	1:237:A:VAL:HG23	20	0.51	0.03	0.5
(3,1430)	1:241:B:LEU:HD22	1:237:A:VAL:HG22	20	0.51	0.03	0.5
(3,1430)	1:241:B:LEU:HD22	1:237:A:VAL:HG23	20	0.51	0.03	0.5
(3,1430)	1:241:B:LEU:HD23	1:237:A:VAL:HG21	20	0.51	0.03	0.5

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,1430)	1:241:B:LEU:HD21	1:237:A:VAL:HG21	20	0.51	0.03	0.5
(1,1436)	1:258:B:LEU:HD13	1:258:B:LEU:HB3	20	0.5	0.01	0.5
(1,1436)	1:258:B:LEU:HD11	1:258:B:LEU:HB3	20	0.5	0.01	0.5
(1,1436)	1:258:B:LEU:HD12	1:258:B:LEU:HB3	20	0.5	0.01	0.5
(1,1435)	1:258:A:LEU:HD13	1:258:A:LEU:HB3	20	0.5	0.01	0.5
(1,1435)	1:258:A:LEU:HD11	1:258:A:LEU:HB3	20	0.5	0.01	0.5
(1,1435)	1:258:A:LEU:HD12	1:258:A:LEU:HB3	20	0.5	0.01	0.5
(1,1391)	1:262:A:LEU:HG	1:262:A:LEU:HD11	20	0.5	0.01	0.5
(1,1391)	1:262:A:LEU:HG	1:262:A:LEU:HD13	20	0.5	0.01	0.5
(1,1391)	1:262:A:LEU:HG	1:262:A:LEU:HD12	20	0.5	0.01	0.5
(1,1392)	1:262:B:LEU:HG	1:262:B:LEU:HD11	20	0.5	0.01	0.5
(1,1392)	1:262:B:LEU:HG	1:262:B:LEU:HD13	20	0.5	0.01	0.5
(1,1392)	1:262:B:LEU:HG	1:262:B:LEU:HD12	20	0.5	0.01	0.5
(1,1603)	1:269:A:LEU:HG	1:269:A:LEU:HD21	20	0.49	0.01	0.49
(1,1603)	1:269:A:LEU:HG	1:269:A:LEU:HD23	20	0.49	0.01	0.49
(1,1603)	1:269:A:LEU:HG	1:269:A:LEU:HD22	20	0.49	0.01	0.49
(1,1604)	1:269:B:LEU:HG	1:269:B:LEU:HD21	20	0.49	0.01	0.49
(1,1604)	1:269:B:LEU:HG	1:269:B:LEU:HD23	20	0.49	0.01	0.49
(1,1604)	1:269:B:LEU:HG	1:269:B:LEU:HD22	20	0.49	0.01	0.49
(1,541)	1:251:A:MET:HE1	1:248:A:PHE:HB2	20	0.48	0.22	0.48
(1,541)	1:251:A:MET:HE2	1:248:A:PHE:HB2	20	0.48	0.22	0.48
(1,541)	1:251:A:MET:HE3	1:248:A:PHE:HB2	20	0.48	0.22	0.48
(1,541)	1:251:A:MET:HE3	1:248:B:PHE:HB3	20	0.48	0.22	0.48
(1,542)	1:251:B:MET:HE1	1:248:B:PHE:HB2	20	0.48	0.23	0.48
(1,542)	1:251:B:MET:HE2	1:248:B:PHE:HB2	20	0.48	0.23	0.48
(1,542)	1:251:B:MET:HE3	1:248:B:PHE:HB2	20	0.48	0.23	0.48
(1,542)	1:251:B:MET:HE3	1:248:A:PHE:HB3	20	0.48	0.23	0.48
(3,1960)	1:265:B:ALA:HB1	1:262:B:LEU:HD13	20	0.47	0.01	0.47
(3,1960)	1:265:B:ALA:HB3	1:262:B:LEU:HD12	20	0.47	0.01	0.47
(3,1960)	1:265:B:ALA:HB2	1:262:B:LEU:HD11	20	0.47	0.01	0.47
(3,1960)	1:265:B:ALA:HB2	1:262:B:LEU:HD13	20	0.47	0.01	0.47
(3,1960)	1:265:B:ALA:HB3	1:262:B:LEU:HD13	20	0.47	0.01	0.47
(3,1960)	1:265:B:ALA:HB3	1:262:B:LEU:HD11	20	0.47	0.01	0.47
(3,1960)	1:265:B:ALA:HB1	1:262:B:LEU:HD12	20	0.47	0.01	0.47
(3,1960)	1:265:B:ALA:HB2	1:262:B:LEU:HD12	20	0.47	0.01	0.47
(3,1959)	1:265:A:ALA:HB1	1:262:A:LEU:HD13	20	0.46	0.01	0.46
(3,1959)	1:265:A:ALA:HB3	1:262:A:LEU:HD12	20	0.46	0.01	0.46
(3,1959)	1:265:A:ALA:HB2	1:262:A:LEU:HD11	20	0.46	0.01	0.46
(3,1959)	1:265:A:ALA:HB2	1:262:A:LEU:HD13	20	0.46	0.01	0.46
(3,1959)	1:265:A:ALA:HB3	1:262:A:LEU:HD13	20	0.46	0.01	0.46
(3,1959)	1:265:A:ALA:HB3	1:262:A:LEU:HD11	20	0.46	0.01	0.46
(3,1959)	1:265:A:ALA:HB1	1:262:A:LEU:HD12	20	0.46	0.01	0.46

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,1959)	1:265:A:ALA:HB2	1:262:A:LEU:HD12	20	0.46	0.01	0.46
(3,1501)	1:227:A:ALA:HA	1:230:A:LEU:HD12	20	0.46	0.01	0.46
(3,1501)	1:227:A:ALA:HA	1:230:A:LEU:HD11	20	0.46	0.01	0.46
(3,1501)	1:227:A:ALA:HA	1:230:A:LEU:HD13	20	0.46	0.01	0.46
(3,1502)	1:227:B:ALA:HA	1:230:B:LEU:HD12	20	0.46	0.01	0.46
(3,1502)	1:227:B:ALA:HA	1:230:B:LEU:HD11	20	0.46	0.01	0.46
(3,1502)	1:227:B:ALA:HA	1:230:B:LEU:HD13	20	0.46	0.01	0.46
(1,1118)	1:210:B:LEU:HD22	1:210:B:LEU:HB3	20	0.46	0.02	0.46
(1,1118)	1:210:B:LEU:HD21	1:210:B:LEU:HB3	20	0.46	0.02	0.46
(1,1118)	1:210:B:LEU:HD23	1:210:B:LEU:HB3	20	0.46	0.02	0.46
(1,1118)	1:210:B:LEU:HD23	1:210:B:LEU:HG	20	0.46	0.02	0.46
(1,1118)	1:210:B:LEU:HD22	1:210:B:LEU:HG	20	0.46	0.02	0.46
(1,1118)	1:210:B:LEU:HD21	1:210:B:LEU:HG	20	0.46	0.02	0.46
(1,1117)	1:210:A:LEU:HD22	1:210:A:LEU:HB3	20	0.45	0.01	0.46
(1,1117)	1:210:A:LEU:HD21	1:210:A:LEU:HB3	20	0.45	0.01	0.46
(1,1117)	1:210:A:LEU:HD23	1:210:A:LEU:HB3	20	0.45	0.01	0.46
(1,1117)	1:210:A:LEU:HD23	1:210:A:LEU:HG	20	0.45	0.01	0.46
(1,1117)	1:210:A:LEU:HD22	1:210:A:LEU:HG	20	0.45	0.01	0.46
(1,1117)	1:210:A:LEU:HD21	1:210:A:LEU:HG	20	0.45	0.01	0.46
(3,1954)	1:216:B:LEU:HB3	1:216:B:LEU:HD21	20	0.45	0.01	0.45
(3,1954)	1:216:B:LEU:HB3	1:216:B:LEU:HD23	20	0.45	0.01	0.45
(3,1954)	1:216:B:LEU:HB3	1:216:B:LEU:HD22	20	0.45	0.01	0.45
(3,1953)	1:216:A:LEU:HB3	1:216:A:LEU:HD21	20	0.45	0.01	0.45
(3,1953)	1:216:A:LEU:HB3	1:216:A:LEU:HD23	20	0.45	0.01	0.45
(3,1953)	1:216:A:LEU:HB3	1:216:A:LEU:HD22	20	0.45	0.01	0.45
(3,1089)	1:237:A:VAL:HG23	1:237:A:VAL:HB	20	0.45	0.01	0.44
(3,1089)	1:237:A:VAL:HG21	1:237:A:VAL:HB	20	0.45	0.01	0.44
(3,1089)	1:237:A:VAL:HG22	1:237:A:VAL:HB	20	0.45	0.01	0.44
(3,1090)	1:237:B:VAL:HG23	1:237:B:VAL:HB	20	0.44	0.01	0.44
(3,1090)	1:237:B:VAL:HG21	1:237:B:VAL:HB	20	0.44	0.01	0.44
(3,1090)	1:237:B:VAL:HG22	1:237:B:VAL:HB	20	0.44	0.01	0.44
(3,1055)	1:246:A:ASP:HA	1:249:A:VAL:HG13	20	0.44	0.06	0.44
(3,1055)	1:246:A:ASP:HA	1:249:A:VAL:HG12	20	0.44	0.06	0.44
(3,1055)	1:246:A:ASP:HA	1:249:A:VAL:HG11	20	0.44	0.06	0.44
(3,1056)	1:246:B:ASP:HA	1:249:B:VAL:HG13	20	0.44	0.06	0.44
(3,1056)	1:246:B:ASP:HA	1:249:B:VAL:HG12	20	0.44	0.06	0.44
(3,1056)	1:246:B:ASP:HA	1:249:B:VAL:HG11	20	0.44	0.06	0.44
(3,1106)	1:237:B:VAL:HG22	1:241:B:LEU:HG	20	0.44	0.0	0.44
(3,1106)	1:237:B:VAL:HG23	1:241:B:LEU:HG	20	0.44	0.0	0.44
(3,1106)	1:237:B:VAL:HG21	1:241:B:LEU:HG	20	0.44	0.0	0.44
(3,1105)	1:237:A:VAL:HG22	1:241:A:LEU:HG	20	0.44	0.0	0.44
(3,1105)	1:237:A:VAL:HG23	1:241:A:LEU:HG	20	0.44	0.0	0.44

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,1105)	1:237:A:VAL:HG21	1:241:A:LEU:HG	20	0.44	0.0	0.44
(1,1170)	1:225:B:VAL:HG21	1:228:B:LYS:HB2	20	0.44	0.19	0.42
(1,1170)	1:225:B:VAL:HG22	1:228:B:LYS:HB2	20	0.44	0.19	0.42
(1,1170)	1:225:B:VAL:HG23	1:228:B:LYS:HB2	20	0.44	0.19	0.42
(1,1169)	1:225:A:VAL:HG21	1:228:A:LYS:HB2	20	0.44	0.19	0.42
(1,1169)	1:225:A:VAL:HG22	1:228:A:LYS:HB2	20	0.44	0.19	0.42
(1,1169)	1:225:A:VAL:HG23	1:228:A:LYS:HB2	20	0.44	0.19	0.42
(1,2209)	1:216:A:LEU:HB2	1:216:A:LEU:HD12	20	0.44	0.07	0.45
(1,2209)	1:216:A:LEU:HB2	1:216:A:LEU:HD13	20	0.44	0.07	0.45
(1,2209)	1:216:A:LEU:HB2	1:216:A:LEU:HD11	20	0.44	0.07	0.45
(1,2210)	1:216:B:LEU:HB2	1:216:B:LEU:HD12	20	0.43	0.07	0.46
(1,2210)	1:216:B:LEU:HB2	1:216:B:LEU:HD13	20	0.43	0.07	0.46
(1,2210)	1:216:B:LEU:HB2	1:216:B:LEU:HD11	20	0.43	0.07	0.46
(1,573)	1:260:A:THR:HG21	1:260:A:THR:HB	20	0.42	0.01	0.42
(1,573)	1:260:A:THR:HG22	1:260:A:THR:HB	20	0.42	0.01	0.42
(1,573)	1:260:A:THR:HG23	1:260:A:THR:HB	20	0.42	0.01	0.42
(1,574)	1:260:B:THR:HG21	1:260:B:THR:HB	20	0.42	0.01	0.42
(1,574)	1:260:B:THR:HG22	1:260:B:THR:HB	20	0.42	0.01	0.42
(1,574)	1:260:B:THR:HG23	1:260:B:THR:HB	20	0.42	0.01	0.42
(1,295)	1:265:A:ALA:HB3	1:269:B:LEU:HD11	20	0.41	0.01	0.41
(1,295)	1:265:A:ALA:HB2	1:269:B:LEU:HD11	20	0.41	0.01	0.41
(1,295)	1:265:A:ALA:HB1	1:269:B:LEU:HD11	20	0.41	0.01	0.41
(1,295)	1:265:A:ALA:HB2	1:269:B:LEU:HD12	20	0.41	0.01	0.41
(1,295)	1:265:A:ALA:HB1	1:269:B:LEU:HD13	20	0.41	0.01	0.41
(1,295)	1:265:A:ALA:HB2	1:269:B:LEU:HD13	20	0.41	0.01	0.41
(1,295)	1:265:A:ALA:HB3	1:269:B:LEU:HD13	20	0.41	0.01	0.41
(1,295)	1:265:A:ALA:HB3	1:269:B:LEU:HD12	20	0.41	0.01	0.41
(1,296)	1:265:B:ALA:HB3	1:269:A:LEU:HD11	20	0.41	0.01	0.41
(1,296)	1:265:B:ALA:HB2	1:269:A:LEU:HD11	20	0.41	0.01	0.41
(1,296)	1:265:B:ALA:HB1	1:269:A:LEU:HD11	20	0.41	0.01	0.41
(1,296)	1:265:B:ALA:HB2	1:269:A:LEU:HD12	20	0.41	0.01	0.41
(1,296)	1:265:B:ALA:HB1	1:269:A:LEU:HD13	20	0.41	0.01	0.41
(1,296)	1:265:B:ALA:HB2	1:269:A:LEU:HD13	20	0.41	0.01	0.41
(1,296)	1:265:B:ALA:HB3	1:269:A:LEU:HD13	20	0.41	0.01	0.41
(1,296)	1:265:B:ALA:HB3	1:269:A:LEU:HD12	20	0.41	0.01	0.41
(3,1099)	1:237:A:VAL:HG22	1:241:A:LEU:HD11	20	0.41	0.01	0.41
(3,1099)	1:237:A:VAL:HG23	1:241:A:LEU:HD11	20	0.41	0.01	0.41
(3,1099)	1:237:A:VAL:HG21	1:241:A:LEU:HD12	20	0.41	0.01	0.41
(3,1099)	1:237:A:VAL:HG21	1:241:A:LEU:HD11	20	0.41	0.01	0.41
(3,1099)	1:237:A:VAL:HG23	1:241:A:LEU:HD12	20	0.41	0.01	0.41
(3,1099)	1:237:A:VAL:HG22	1:241:A:LEU:HD13	20	0.41	0.01	0.41
(3,1099)	1:237:A:VAL:HG21	1:241:A:LEU:HD13	20	0.41	0.01	0.41

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,1099)	1:237:A:VAL:HG22	1:241:A:LEU:HD12	20	0.41	0.01	0.41
(3,1099)	1:237:A:VAL:HG23	1:241:A:LEU:HD13	20	0.41	0.01	0.41
(3,1100)	1:237:B:VAL:HG22	1:241:B:LEU:HD11	20	0.41	0.01	0.41
(3,1100)	1:237:B:VAL:HG23	1:241:B:LEU:HD11	20	0.41	0.01	0.41
(3,1100)	1:237:B:VAL:HG21	1:241:B:LEU:HD12	20	0.41	0.01	0.41
(3,1100)	1:237:B:VAL:HG21	1:241:B:LEU:HD11	20	0.41	0.01	0.41
(3,1100)	1:237:B:VAL:HG23	1:241:B:LEU:HD12	20	0.41	0.01	0.41
(3,1100)	1:237:B:VAL:HG22	1:241:B:LEU:HD13	20	0.41	0.01	0.41
(3,1100)	1:237:B:VAL:HG21	1:241:B:LEU:HD13	20	0.41	0.01	0.41
(3,1100)	1:237:B:VAL:HG22	1:241:B:LEU:HD12	20	0.41	0.01	0.41
(3,1100)	1:237:B:VAL:HG23	1:241:B:LEU:HD13	20	0.41	0.01	0.41
(3,1079)	1:249:A:VAL:HG21	1:249:A:VAL:HB	20	0.4	0.02	0.4
(3,1079)	1:249:A:VAL:HG22	1:249:A:VAL:HB	20	0.4	0.02	0.4
(3,1079)	1:249:A:VAL:HG23	1:249:A:VAL:HB	20	0.4	0.02	0.4
(3,1080)	1:249:B:VAL:HG21	1:249:B:VAL:HB	20	0.4	0.02	0.4
(3,1080)	1:249:B:VAL:HG22	1:249:B:VAL:HB	20	0.4	0.02	0.4
(3,1080)	1:249:B:VAL:HG23	1:249:B:VAL:HB	20	0.4	0.02	0.4
(3,1427)	1:241:A:LEU:HD22	1:237:A:VAL:HG22	20	0.4	0.02	0.4
(3,1427)	1:241:A:LEU:HD23	1:237:A:VAL:HG23	20	0.4	0.02	0.4
(3,1427)	1:241:A:LEU:HD21	1:237:A:VAL:HG21	20	0.4	0.02	0.4
(3,1427)	1:241:A:LEU:HD22	1:237:A:VAL:HG23	20	0.4	0.02	0.4
(3,1427)	1:241:A:LEU:HD22	1:237:A:VAL:HG21	20	0.4	0.02	0.4
(3,1427)	1:241:A:LEU:HD23	1:237:A:VAL:HG21	20	0.4	0.02	0.4
(3,1427)	1:241:A:LEU:HD23	1:237:A:VAL:HG22	20	0.4	0.02	0.4
(3,1427)	1:241:A:LEU:HD21	1:237:A:VAL:HG23	20	0.4	0.02	0.4
(3,1428)	1:241:B:LEU:HD22	1:237:B:VAL:HG22	20	0.4	0.02	0.4
(3,1428)	1:241:B:LEU:HD23	1:237:B:VAL:HG23	20	0.4	0.02	0.4
(3,1428)	1:241:B:LEU:HD21	1:237:B:VAL:HG21	20	0.4	0.02	0.4
(3,1428)	1:241:B:LEU:HD22	1:237:B:VAL:HG23	20	0.4	0.02	0.4
(3,1428)	1:241:B:LEU:HD22	1:237:B:VAL:HG21	20	0.4	0.02	0.4
(3,1428)	1:241:B:LEU:HD23	1:237:B:VAL:HG21	20	0.4	0.02	0.4
(3,1428)	1:241:B:LEU:HD23	1:237:B:VAL:HG22	20	0.4	0.02	0.4
(3,1428)	1:241:B:LEU:HD21	1:237:B:VAL:HG23	20	0.4	0.02	0.4
(3,1067)	1:222:A:SER:HA	1:225:A:VAL:HG13	20	0.4	0.15	0.43
(3,1067)	1:222:A:SER:HA	1:225:A:VAL:HG12	20	0.4	0.15	0.43
(3,1067)	1:222:A:SER:HA	1:225:A:VAL:HG11	20	0.4	0.15	0.43
(3,1068)	1:222:B:SER:HA	1:225:B:VAL:HG13	20	0.4	0.15	0.42
(3,1068)	1:222:B:SER:HA	1:225:B:VAL:HG12	20	0.4	0.15	0.42
(3,1068)	1:222:B:SER:HA	1:225:B:VAL:HG11	20	0.4	0.15	0.42
(3,1173)	1:222:A:SER:HA	1:225:A:VAL:HG23	20	0.4	0.08	0.42
(3,1173)	1:222:A:SER:HA	1:225:A:VAL:HG21	20	0.4	0.08	0.42
(3,1173)	1:222:A:SER:HA	1:225:A:VAL:HG22	20	0.4	0.08	0.42

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,1174)	1:222:B:SER:HA	1:225:B:VAL:HG23	20	0.39	0.08	0.42
(3,1174)	1:222:B:SER:HA	1:225:B:VAL:HG21	20	0.39	0.08	0.42
(3,1174)	1:222:B:SER:HA	1:225:B:VAL:HG22	20	0.39	0.08	0.42
(3,1556)	1:223:B:LEU:HD12	1:223:A:LEU:HB3	20	0.39	0.0	0.39
(3,1556)	1:223:B:LEU:HD11	1:223:A:LEU:HB3	20	0.39	0.0	0.39
(3,1556)	1:223:B:LEU:HD13	1:223:A:LEU:HB3	20	0.39	0.0	0.39
(3,1555)	1:223:A:LEU:HD12	1:223:B:LEU:HB3	20	0.39	0.0	0.39
(3,1555)	1:223:A:LEU:HD11	1:223:B:LEU:HB3	20	0.39	0.0	0.39
(3,1555)	1:223:A:LEU:HD13	1:223:B:LEU:HB3	20	0.39	0.0	0.39
(1,1124)	1:237:B:VAL:HG11	1:235:B:GLU:HB2	20	0.39	0.13	0.38
(1,1124)	1:237:B:VAL:HG12	1:235:B:GLU:HB2	20	0.39	0.13	0.38
(1,1124)	1:237:B:VAL:HG13	1:235:B:GLU:HB2	20	0.39	0.13	0.38
(1,1124)	1:214:B:GLU:HB3	1:210:B:LEU:HD21	20	0.39	0.13	0.38
(1,1124)	1:214:B:GLU:HB2	1:210:B:LEU:HD22	20	0.39	0.13	0.38
(1,1123)	1:237:A:VAL:HG11	1:235:A:GLU:HB2	20	0.39	0.13	0.38
(1,1123)	1:237:A:VAL:HG12	1:235:A:GLU:HB2	20	0.39	0.13	0.38
(1,1123)	1:237:A:VAL:HG13	1:235:A:GLU:HB2	20	0.39	0.13	0.38
(1,1123)	1:214:A:GLU:HB3	1:210:A:LEU:HD21	20	0.39	0.13	0.38
(1,1123)	1:214:A:GLU:HB2	1:210:A:LEU:HD22	20	0.39	0.13	0.38
(3,1153)	1:225:A:VAL:HG22	1:225:A:VAL:HB	20	0.37	0.01	0.37
(3,1153)	1:225:A:VAL:HG23	1:225:A:VAL:HB	20	0.37	0.01	0.37
(3,1153)	1:225:A:VAL:HG21	1:225:A:VAL:HB	20	0.37	0.01	0.37
(3,1154)	1:225:B:VAL:HG22	1:225:B:VAL:HB	20	0.37	0.01	0.37
(3,1154)	1:225:B:VAL:HG23	1:225:B:VAL:HB	20	0.37	0.01	0.37
(3,1154)	1:225:B:VAL:HG21	1:225:B:VAL:HB	20	0.37	0.01	0.37
(3,1330)	1:258:B:LEU:HD12	1:259:A:ARG:HA	20	0.37	0.08	0.38
(3,1330)	1:258:B:LEU:HD13	1:259:A:ARG:HA	20	0.37	0.08	0.38
(3,1330)	1:258:B:LEU:HD11	1:259:A:ARG:HA	20	0.37	0.08	0.38
(1,2289)	1:208:A:ARG:HA	1:211:A:ALA:H	20	0.37	0.07	0.36
(1,2290)	1:208:B:ARG:HA	1:211:B:ALA:H	20	0.37	0.07	0.35
(3,1095)	1:237:A:VAL:HB	1:237:A:VAL:HG12	20	0.37	0.01	0.38
(3,1095)	1:237:A:VAL:HB	1:237:A:VAL:HG13	20	0.37	0.01	0.38
(3,1095)	1:237:A:VAL:HB	1:237:A:VAL:HG11	20	0.37	0.01	0.38
(3,1559)	1:223:A:LEU:HD22	1:223:A:LEU:HG	20	0.37	0.02	0.37
(3,1559)	1:223:A:LEU:HD21	1:223:A:LEU:HG	20	0.37	0.02	0.37
(3,1559)	1:223:A:LEU:HD23	1:223:A:LEU:HG	20	0.37	0.02	0.37
(3,1560)	1:223:B:LEU:HD22	1:223:B:LEU:HG	20	0.37	0.02	0.37
(3,1560)	1:223:B:LEU:HD21	1:223:B:LEU:HG	20	0.37	0.02	0.37
(3,1560)	1:223:B:LEU:HD23	1:223:B:LEU:HG	20	0.37	0.02	0.37
(3,1096)	1:237:B:VAL:HB	1:237:B:VAL:HG12	20	0.37	0.02	0.38
(3,1096)	1:237:B:VAL:HB	1:237:B:VAL:HG13	20	0.37	0.02	0.38
(3,1096)	1:237:B:VAL:HB	1:237:B:VAL:HG11	20	0.37	0.02	0.38

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,1282)	1:269:B:LEU:HA	1:269:B:LEU:HD22	20	0.37	0.01	0.37
(3,1282)	1:269:B:LEU:HA	1:269:B:LEU:HD21	20	0.37	0.01	0.37
(3,1282)	1:269:B:LEU:HA	1:269:B:LEU:HD23	20	0.37	0.01	0.37
(3,1281)	1:269:A:LEU:HA	1:269:A:LEU:HD22	20	0.37	0.01	0.37
(3,1281)	1:269:A:LEU:HA	1:269:A:LEU:HD21	20	0.37	0.01	0.37
(3,1281)	1:269:A:LEU:HA	1:269:A:LEU:HD23	20	0.37	0.01	0.37
(3,1329)	1:258:A:LEU:HD12	1:259:B:ARG:HA	20	0.36	0.06	0.36
(3,1329)	1:258:A:LEU:HD13	1:259:B:ARG:HA	20	0.36	0.06	0.36
(3,1329)	1:258:A:LEU:HD11	1:259:B:ARG:HA	20	0.36	0.06	0.36
(3,1078)	1:249:B:VAL:HG11	1:249:B:VAL:HB	20	0.35	0.01	0.35
(3,1078)	1:249:B:VAL:HG13	1:249:B:VAL:HB	20	0.35	0.01	0.35
(3,1078)	1:249:B:VAL:HG12	1:249:B:VAL:HB	20	0.35	0.01	0.35
(3,1077)	1:249:A:VAL:HG11	1:249:A:VAL:HB	20	0.35	0.01	0.35
(3,1077)	1:249:A:VAL:HG13	1:249:A:VAL:HB	20	0.35	0.01	0.35
(3,1077)	1:249:A:VAL:HG12	1:249:A:VAL:HB	20	0.35	0.01	0.35
(3,505)	1:262:A:LEU:HA	1:262:A:LEU:H	20	0.35	0.01	0.34
(3,1952)	1:216:B:LEU:HG	1:216:B:LEU:HD13	20	0.34	0.03	0.35
(3,1952)	1:216:B:LEU:HG	1:216:B:LEU:HD11	20	0.34	0.03	0.35
(3,1952)	1:216:B:LEU:HG	1:216:B:LEU:HD12	20	0.34	0.03	0.35
(3,506)	1:262:B:LEU:HA	1:262:B:LEU:H	20	0.34	0.0	0.34
(3,1951)	1:216:A:LEU:HG	1:216:A:LEU:HD13	20	0.34	0.03	0.36
(3,1951)	1:216:A:LEU:HG	1:216:A:LEU:HD11	20	0.34	0.03	0.36
(3,1951)	1:216:A:LEU:HG	1:216:A:LEU:HD12	20	0.34	0.03	0.36
(3,1097)	1:237:A:VAL:HA	1:237:A:VAL:HG11	20	0.33	0.02	0.34
(3,1097)	1:237:A:VAL:HA	1:237:A:VAL:HG12	20	0.33	0.02	0.34
(3,1097)	1:237:A:VAL:HA	1:237:A:VAL:HG13	20	0.33	0.02	0.34
(3,1098)	1:237:B:VAL:HA	1:237:B:VAL:HG11	20	0.33	0.02	0.34
(3,1098)	1:237:B:VAL:HA	1:237:B:VAL:HG12	20	0.33	0.02	0.34
(3,1098)	1:237:B:VAL:HA	1:237:B:VAL:HG13	20	0.33	0.02	0.34
(3,2057)	1:211:A:ALA:HB1	1:211:A:ALA:H	20	0.33	0.01	0.33
(3,2057)	1:211:A:ALA:HB2	1:211:A:ALA:H	20	0.33	0.01	0.33
(3,2057)	1:211:A:ALA:HB3	1:211:A:ALA:H	20	0.33	0.01	0.33
(3,2058)	1:211:B:ALA:HB1	1:211:B:ALA:H	20	0.33	0.01	0.32
(3,2058)	1:211:B:ALA:HB2	1:211:B:ALA:H	20	0.33	0.01	0.32
(3,2058)	1:211:B:ALA:HB3	1:211:B:ALA:H	20	0.33	0.01	0.32
(3,1051)	1:249:A:VAL:HG22	1:249:A:VAL:HA	20	0.32	0.01	0.32
(3,1051)	1:249:A:VAL:HG23	1:249:A:VAL:HA	20	0.32	0.01	0.32
(3,1051)	1:249:A:VAL:HG21	1:249:A:VAL:HA	20	0.32	0.01	0.32
(3,1052)	1:249:B:VAL:HG22	1:249:B:VAL:HA	20	0.32	0.01	0.32
(3,1052)	1:249:B:VAL:HG23	1:249:B:VAL:HA	20	0.32	0.01	0.32
(3,1052)	1:249:B:VAL:HG21	1:249:B:VAL:HA	20	0.32	0.01	0.32
(1,1359)	1:262:A:LEU:HD21	1:262:B:LEU:HB2	20	0.32	0.04	0.32

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1359)	1:262:A:LEU:HD23	1:262:B:LEU:HB2	20	0.32	0.04	0.32
(1,1359)	1:262:A:LEU:HD22	1:262:B:LEU:HB2	20	0.32	0.04	0.32
(3,1348)	1:262:B:LEU:HD23	1:258:A:LEU:HG	20	0.32	0.01	0.32
(3,1348)	1:262:B:LEU:HD22	1:258:A:LEU:HG	20	0.32	0.01	0.32
(3,1348)	1:262:B:LEU:HD21	1:258:A:LEU:HG	20	0.32	0.01	0.32
(1,1360)	1:262:B:LEU:HD21	1:262:A:LEU:HB2	20	0.32	0.05	0.31
(1,1360)	1:262:B:LEU:HD23	1:262:A:LEU:HB2	20	0.32	0.05	0.31
(1,1360)	1:262:B:LEU:HD22	1:262:A:LEU:HB2	20	0.32	0.05	0.31
(3,1347)	1:262:A:LEU:HD23	1:258:B:LEU:HG	20	0.31	0.01	0.31
(3,1347)	1:262:A:LEU:HD22	1:258:B:LEU:HG	20	0.31	0.01	0.31
(3,1347)	1:262:A:LEU:HD21	1:258:B:LEU:HG	20	0.31	0.01	0.31
(3,1570)	1:216:B:LEU:HD21	1:216:A:LEU:HB3	20	0.31	0.02	0.3
(3,1570)	1:216:B:LEU:HD23	1:216:A:LEU:HB3	20	0.31	0.02	0.3
(3,1570)	1:216:B:LEU:HD22	1:216:A:LEU:HB3	20	0.31	0.02	0.3
(3,1569)	1:216:A:LEU:HD21	1:216:B:LEU:HB3	20	0.3	0.02	0.3
(3,1569)	1:216:A:LEU:HD23	1:216:B:LEU:HB3	20	0.3	0.02	0.3
(3,1569)	1:216:A:LEU:HD22	1:216:B:LEU:HB3	20	0.3	0.02	0.3
(3,1891)	1:264:A:GLU:HG2	1:260:A:THR:HG23	20	0.3	0.02	0.3
(3,1891)	1:264:A:GLU:HG2	1:260:A:THR:HG21	20	0.3	0.02	0.3
(3,1891)	1:264:A:GLU:HG2	1:260:A:THR:HG22	20	0.3	0.02	0.3
(3,1892)	1:264:B:GLU:HG2	1:260:B:THR:HG23	20	0.29	0.02	0.29
(3,1892)	1:264:B:GLU:HG2	1:260:B:THR:HG21	20	0.29	0.02	0.29
(3,1892)	1:264:B:GLU:HG2	1:260:B:THR:HG22	20	0.29	0.02	0.29
(3,1245)	1:220:A:ILE:HB	1:220:A:ILE:HG21	20	0.29	0.01	0.29
(3,1245)	1:220:A:ILE:HB	1:220:A:ILE:HG22	20	0.29	0.01	0.29
(3,1245)	1:220:A:ILE:HB	1:220:A:ILE:HG23	20	0.29	0.01	0.29
(3,1246)	1:220:B:ILE:HB	1:220:B:ILE:HG21	20	0.29	0.01	0.29
(3,1246)	1:220:B:ILE:HB	1:220:B:ILE:HG22	20	0.29	0.01	0.29
(3,1246)	1:220:B:ILE:HB	1:220:B:ILE:HG23	20	0.29	0.01	0.29
(3,2506)	1:244:B:ILE:HG12	1:244:B:ILE:H	20	0.29	0.1	0.26
(3,2505)	1:244:A:ILE:HG12	1:244:A:ILE:H	20	0.28	0.1	0.25
(1,1978)	1:219:B:LYS:HE3	1:216:B:LEU:HD23	20	0.28	0.06	0.26
(1,1978)	1:219:B:LYS:HE2	1:216:B:LEU:HD22	20	0.28	0.06	0.26
(1,1978)	1:219:B:LYS:HE3	1:216:B:LEU:HD22	20	0.28	0.06	0.26
(1,1978)	1:219:B:LYS:HE2	1:216:B:LEU:HD23	20	0.28	0.06	0.26
(1,1978)	1:219:B:LYS:HE2	1:216:B:LEU:HD21	20	0.28	0.06	0.26
(1,1978)	1:219:B:LYS:HE3	1:216:B:LEU:HD21	20	0.28	0.06	0.26
(1,1368)	1:262:B:LEU:HB2	1:262:A:LEU:HD21	20	0.28	0.04	0.27
(1,1368)	1:262:B:LEU:HB2	1:262:A:LEU:HD23	20	0.28	0.04	0.27
(1,1368)	1:262:B:LEU:HB2	1:262:A:LEU:HD22	20	0.28	0.04	0.27
(1,1977)	1:219:A:LYS:HE3	1:216:A:LEU:HD23	20	0.27	0.06	0.26
(1,1977)	1:219:A:LYS:HE2	1:216:A:LEU:HD22	20	0.27	0.06	0.26

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1977)	1:219:A:LYS:HE3	1:216:A:LEU:HD22	20	0.27	0.06	0.26
(1,1977)	1:219:A:LYS:HE2	1:216:A:LEU:HD23	20	0.27	0.06	0.26
(1,1977)	1:219:A:LYS:HE2	1:216:A:LEU:HD21	20	0.27	0.06	0.26
(1,1977)	1:219:A:LYS:HE3	1:216:A:LEU:HD21	20	0.27	0.06	0.26
(3,1401)	1:257:A:THR:HG21	1:258:A:LEU:HD11	20	0.27	0.04	0.29
(3,1401)	1:257:A:THR:HG23	1:258:A:LEU:HD12	20	0.27	0.04	0.29
(3,1401)	1:257:A:THR:HG21	1:258:A:LEU:HD13	20	0.27	0.04	0.29
(3,1401)	1:257:A:THR:HG22	1:258:A:LEU:HD13	20	0.27	0.04	0.29
(3,1401)	1:257:A:THR:HG23	1:258:A:LEU:HD13	20	0.27	0.04	0.29
(3,1401)	1:257:A:THR:HG22	1:258:A:LEU:HD12	20	0.27	0.04	0.29
(3,1401)	1:257:A:THR:HG23	1:258:A:LEU:HD11	20	0.27	0.04	0.29
(3,1401)	1:257:A:THR:HG22	1:258:A:LEU:HD11	20	0.27	0.04	0.29
(1,1367)	1:262:A:LEU:HB2	1:262:B:LEU:HD21	20	0.27	0.04	0.26
(1,1367)	1:262:A:LEU:HB2	1:262:B:LEU:HD23	20	0.27	0.04	0.26
(1,1367)	1:262:A:LEU:HB2	1:262:B:LEU:HD22	20	0.27	0.04	0.26
(3,579)	1:245:A:THR:HG22	1:249:A:VAL:HG23	20	0.27	0.02	0.27
(3,579)	1:245:A:THR:HG23	1:249:A:VAL:HG21	20	0.27	0.02	0.27
(3,579)	1:245:A:THR:HG22	1:249:A:VAL:HG21	20	0.27	0.02	0.27
(3,579)	1:245:A:THR:HG21	1:249:A:VAL:HG21	20	0.27	0.02	0.27
(3,579)	1:245:A:THR:HG23	1:249:A:VAL:HG23	20	0.27	0.02	0.27
(3,579)	1:245:A:THR:HG21	1:249:A:VAL:HG23	20	0.27	0.02	0.27
(3,579)	1:245:A:THR:HG22	1:249:A:VAL:HG22	20	0.27	0.02	0.27
(3,579)	1:245:A:THR:HG21	1:249:A:VAL:HG22	20	0.27	0.02	0.27
(3,580)	1:245:B:THR:HG22	1:249:B:VAL:HG23	20	0.27	0.02	0.27
(3,580)	1:245:B:THR:HG23	1:249:B:VAL:HG21	20	0.27	0.02	0.27
(3,580)	1:245:B:THR:HG22	1:249:B:VAL:HG21	20	0.27	0.02	0.27
(3,580)	1:245:B:THR:HG21	1:249:B:VAL:HG21	20	0.27	0.02	0.27
(3,580)	1:245:B:THR:HG23	1:249:B:VAL:HG23	20	0.27	0.02	0.27
(3,580)	1:245:B:THR:HG21	1:249:B:VAL:HG23	20	0.27	0.02	0.27
(3,580)	1:245:B:THR:HG22	1:249:B:VAL:HG22	20	0.27	0.02	0.27
(3,580)	1:245:B:THR:HG21	1:249:B:VAL:HG22	20	0.27	0.02	0.27
(3,1402)	1:257:B:THR:HG21	1:258:B:LEU:HD11	20	0.27	0.04	0.29
(3,1402)	1:257:B:THR:HG23	1:258:B:LEU:HD12	20	0.27	0.04	0.29
(3,1402)	1:257:B:THR:HG21	1:258:B:LEU:HD13	20	0.27	0.04	0.29
(3,1402)	1:257:B:THR:HG22	1:258:B:LEU:HD13	20	0.27	0.04	0.29
(3,1402)	1:257:B:THR:HG23	1:258:B:LEU:HD13	20	0.27	0.04	0.29
(3,1402)	1:257:B:THR:HG22	1:258:B:LEU:HD12	20	0.27	0.04	0.29
(3,1402)	1:257:B:THR:HG23	1:258:B:LEU:HD11	20	0.27	0.04	0.29
(3,1402)	1:257:B:THR:HG22	1:258:B:LEU:HD11	20	0.27	0.04	0.29
(3,323)	1:227:A:ALA:HB2	1:230:B:LEU:HD12	20	0.27	0.03	0.26
(3,323)	1:227:A:ALA:HB3	1:230:B:LEU:HD12	20	0.27	0.03	0.26
(3,323)	1:227:A:ALA:HB1	1:230:B:LEU:HD11	20	0.27	0.03	0.26

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,323)	1:227:A:ALA:HB1	1:230:B:LEU:HD13	20	0.27	0.03	0.26
(3,323)	1:227:A:ALA:HB2	1:230:B:LEU:HD11	20	0.27	0.03	0.26
(3,323)	1:227:A:ALA:HB3	1:230:B:LEU:HD11	20	0.27	0.03	0.26
(3,323)	1:227:A:ALA:HB2	1:230:B:LEU:HD13	20	0.27	0.03	0.26
(3,323)	1:227:A:ALA:HB1	1:230:B:LEU:HD12	20	0.27	0.03	0.26
(3,1267)	1:220:A:ILE:HD12	1:216:A:LEU:HB3	20	0.26	0.02	0.26
(3,1267)	1:220:A:ILE:HD13	1:216:A:LEU:HB3	20	0.26	0.02	0.26
(3,1267)	1:220:A:ILE:HD11	1:216:A:LEU:HB3	20	0.26	0.02	0.26
(3,324)	1:227:B:ALA:HB2	1:230:A:LEU:HD12	20	0.26	0.03	0.26
(3,324)	1:227:B:ALA:HB3	1:230:A:LEU:HD12	20	0.26	0.03	0.26
(3,324)	1:227:B:ALA:HB1	1:230:A:LEU:HD11	20	0.26	0.03	0.26
(3,324)	1:227:B:ALA:HB1	1:230:A:LEU:HD13	20	0.26	0.03	0.26
(3,324)	1:227:B:ALA:HB2	1:230:A:LEU:HD11	20	0.26	0.03	0.26
(3,324)	1:227:B:ALA:HB3	1:230:A:LEU:HD11	20	0.26	0.03	0.26
(3,324)	1:227:B:ALA:HB2	1:230:A:LEU:HD13	20	0.26	0.03	0.26
(3,324)	1:227:B:ALA:HB1	1:230:A:LEU:HD12	20	0.26	0.03	0.26
(3,1268)	1:220:B:ILE:HD12	1:216:B:LEU:HB3	20	0.26	0.02	0.26
(3,1268)	1:220:B:ILE:HD13	1:216:B:LEU:HB3	20	0.26	0.02	0.26
(3,1268)	1:220:B:ILE:HD11	1:216:B:LEU:HB3	20	0.26	0.02	0.26
(1,323)	1:227:A:ALA:HB1	1:227:A:ALA:H	20	0.26	0.04	0.26
(1,323)	1:227:A:ALA:HB2	1:227:A:ALA:H	20	0.26	0.04	0.26
(1,323)	1:227:A:ALA:HB3	1:227:A:ALA:H	20	0.26	0.04	0.26
(1,323)	1:227:A:ALA:HB2	1:227:B:ALA:H	20	0.26	0.04	0.26
(1,323)	1:227:A:ALA:HB1	1:227:B:ALA:H	20	0.26	0.04	0.26
(1,324)	1:227:B:ALA:HB1	1:227:B:ALA:H	20	0.26	0.04	0.26
(1,324)	1:227:B:ALA:HB2	1:227:B:ALA:H	20	0.26	0.04	0.26
(1,324)	1:227:B:ALA:HB3	1:227:B:ALA:H	20	0.26	0.04	0.26
(1,324)	1:227:B:ALA:HB2	1:227:A:ALA:H	20	0.26	0.04	0.26
(1,324)	1:227:B:ALA:HB1	1:227:A:ALA:H	20	0.26	0.04	0.26
(3,1999)	1:263:A:SER:H	1:265:A:ALA:HB2	20	0.26	0.02	0.26
(3,1999)	1:263:A:SER:H	1:265:A:ALA:HB1	20	0.26	0.02	0.26
(3,1999)	1:263:A:SER:H	1:265:A:ALA:HB3	20	0.26	0.02	0.26
(3,2000)	1:263:B:SER:H	1:265:B:ALA:HB2	20	0.26	0.02	0.26
(3,2000)	1:263:B:SER:H	1:265:B:ALA:HB1	20	0.26	0.02	0.26
(3,2000)	1:263:B:SER:H	1:265:B:ALA:HB3	20	0.26	0.02	0.26
(1,1233)	1:220:A:ILE:HD12	1:220:A:ILE:HG13	20	0.24	0.02	0.24
(1,1233)	1:220:A:ILE:HD13	1:220:A:ILE:HG13	20	0.24	0.02	0.24
(1,1233)	1:220:A:ILE:HD11	1:220:A:ILE:HG13	20	0.24	0.02	0.24
(1,1234)	1:220:B:ILE:HD12	1:220:B:ILE:HG13	20	0.24	0.02	0.24
(1,1234)	1:220:B:ILE:HD13	1:220:B:ILE:HG13	20	0.24	0.02	0.24
(1,1234)	1:220:B:ILE:HD11	1:220:B:ILE:HG13	20	0.24	0.02	0.24
(3,1995)	1:262:A:LEU:HB2	1:263:A:SER:H	20	0.23	0.02	0.23

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,1996)	1:262:B:LEU:HB2	1:263:B:SER:H	20	0.23	0.02	0.23
(1,1908)	1:268:B:LYS:HE2	1:268:B:LYS:HD3	20	0.23	0.03	0.24
(1,1908)	1:228:B:LYS:HE2	1:228:B:LYS:HD3	20	0.23	0.03	0.24
(1,1908)	1:228:B:LYS:HE3	1:228:B:LYS:HD2	20	0.23	0.03	0.24
(1,1908)	1:268:B:LYS:HE2	1:268:B:LYS:HD2	20	0.23	0.03	0.24
(1,1908)	1:268:B:LYS:HE3	1:268:B:LYS:HD2	20	0.23	0.03	0.24
(3,1400)	1:258:B:LEU:HB2	1:258:B:LEU:HD13	20	0.23	0.01	0.23
(3,1400)	1:258:B:LEU:HB2	1:258:B:LEU:HD11	20	0.23	0.01	0.23
(3,1400)	1:258:B:LEU:HB2	1:258:B:LEU:HD12	20	0.23	0.01	0.23
(3,1399)	1:258:A:LEU:HB2	1:258:A:LEU:HD13	20	0.23	0.01	0.23
(3,1399)	1:258:A:LEU:HB2	1:258:A:LEU:HD11	20	0.23	0.01	0.23
(3,1399)	1:258:A:LEU:HB2	1:258:A:LEU:HD12	20	0.23	0.01	0.23
(1,1907)	1:268:A:LYS:HE2	1:268:A:LYS:HD3	20	0.22	0.03	0.24
(1,1907)	1:228:A:LYS:HE2	1:228:A:LYS:HD3	20	0.22	0.03	0.24
(1,1907)	1:228:A:LYS:HE3	1:228:A:LYS:HD2	20	0.22	0.03	0.24
(1,1907)	1:268:A:LYS:HE2	1:268:A:LYS:HD2	20	0.22	0.03	0.24
(1,1907)	1:268:A:LYS:HE3	1:268:A:LYS:HD2	20	0.22	0.03	0.24
(3,1195)	1:244:A:ILE:HD11	1:244:A:ILE:HG12	20	0.22	0.01	0.22
(3,1195)	1:244:A:ILE:HD12	1:244:A:ILE:HG12	20	0.22	0.01	0.22
(3,1195)	1:244:A:ILE:HD13	1:244:A:ILE:HG12	20	0.22	0.01	0.22
(3,1196)	1:244:B:ILE:HD11	1:244:B:ILE:HG12	20	0.22	0.01	0.22
(3,1196)	1:244:B:ILE:HD12	1:244:B:ILE:HG12	20	0.22	0.01	0.22
(3,1196)	1:244:B:ILE:HD13	1:244:B:ILE:HG12	20	0.22	0.01	0.22
(1,587)	1:260:A:THR:HG21	1:260:A:THR:HB	20	0.22	0.01	0.22
(1,587)	1:260:A:THR:HG22	1:260:A:THR:HB	20	0.22	0.01	0.22
(1,587)	1:245:A:THR:HB	1:245:A:THR:HG23	20	0.22	0.01	0.22
(1,587)	1:260:A:THR:HG23	1:260:A:THR:HB	20	0.22	0.01	0.22
(1,587)	1:245:A:THR:HB	1:245:A:THR:HG21	20	0.22	0.01	0.22
(1,587)	1:245:A:THR:HB	1:245:A:THR:HG22	20	0.22	0.01	0.22
(1,588)	1:245:B:THR:HB	1:245:B:THR:HG23	20	0.22	0.01	0.22
(1,588)	1:260:B:THR:HG22	1:260:B:THR:HB	20	0.22	0.01	0.22
(1,588)	1:260:B:THR:HG21	1:260:B:THR:HB	20	0.22	0.01	0.22
(1,588)	1:260:B:THR:HG23	1:260:B:THR:HB	20	0.22	0.01	0.22
(1,588)	1:245:B:THR:HB	1:245:B:THR:HG21	20	0.22	0.01	0.22
(3,1989)	1:263:A:SER:H	1:262:A:LEU:H	20	0.21	0.02	0.21
(3,1226)	1:244:B:ILE:HD13	1:244:B:ILE:HG13	20	0.21	0.01	0.21
(3,1226)	1:244:B:ILE:HD11	1:244:B:ILE:HG13	20	0.21	0.01	0.21
(3,1226)	1:244:B:ILE:HD12	1:244:B:ILE:HG13	20	0.21	0.01	0.21
(3,1990)	1:263:B:SER:H	1:262:B:LEU:H	20	0.21	0.01	0.21
(3,1225)	1:244:A:ILE:HD13	1:244:A:ILE:HG13	20	0.21	0.01	0.21
(3,1225)	1:244:A:ILE:HD11	1:244:A:ILE:HG13	20	0.21	0.01	0.21
(3,1225)	1:244:A:ILE:HD12	1:244:A:ILE:HG13	20	0.21	0.01	0.21

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,1553)	1:223:A:LEU:HD11	1:223:A:LEU:HG	20	0.21	0.01	0.21
(3,1553)	1:223:A:LEU:HD13	1:223:A:LEU:HG	20	0.21	0.01	0.21
(3,1553)	1:223:A:LEU:HD12	1:223:A:LEU:HG	20	0.21	0.01	0.21
(3,1554)	1:223:B:LEU:HD11	1:223:B:LEU:HG	20	0.2	0.01	0.2
(3,1554)	1:223:B:LEU:HD13	1:223:B:LEU:HG	20	0.2	0.01	0.2
(3,1554)	1:223:B:LEU:HD12	1:223:B:LEU:HG	20	0.2	0.01	0.2
(3,1265)	1:220:A:ILE:HG23	1:223:A:LEU:HB3	20	0.2	0.02	0.21
(3,1265)	1:220:A:ILE:HG21	1:223:A:LEU:HB3	20	0.2	0.02	0.21
(3,1265)	1:220:A:ILE:HG22	1:223:A:LEU:HB3	20	0.2	0.02	0.21
(3,1266)	1:220:B:ILE:HG23	1:223:B:LEU:HB3	20	0.2	0.02	0.2
(3,1266)	1:220:B:ILE:HG21	1:223:B:LEU:HB3	20	0.2	0.02	0.2
(3,1266)	1:220:B:ILE:HG22	1:223:B:LEU:HB3	20	0.2	0.02	0.2
(3,1197)	1:244:A:ILE:HG22	1:244:A:ILE:HB	20	0.2	0.01	0.19
(3,1197)	1:244:A:ILE:HG23	1:244:A:ILE:HB	20	0.2	0.01	0.19
(3,1197)	1:244:A:ILE:HG21	1:244:A:ILE:HB	20	0.2	0.01	0.19
(3,1198)	1:244:B:ILE:HG22	1:244:B:ILE:HB	20	0.2	0.02	0.19
(3,1198)	1:244:B:ILE:HG23	1:244:B:ILE:HB	20	0.2	0.02	0.19
(3,1198)	1:244:B:ILE:HG21	1:244:B:ILE:HB	20	0.2	0.02	0.19
(3,954)	1:266:B:GLN:HA	1:266:B:GLN:HG3	20	0.19	0.04	0.2
(3,953)	1:266:A:GLN:HA	1:266:A:GLN:HG3	20	0.19	0.04	0.19
(3,2037)	1:227:A:ALA:H	1:228:A:LYS:H	20	0.19	0.01	0.19
(3,2038)	1:227:B:ALA:H	1:228:B:LYS:H	20	0.19	0.01	0.19
(1,1505)	1:230:A:LEU:HD22	1:230:A:LEU:HB2	20	0.18	0.01	0.18
(1,1505)	1:230:A:LEU:HD21	1:230:A:LEU:HB2	20	0.18	0.01	0.18
(1,1505)	1:230:A:LEU:HD23	1:230:A:LEU:HB2	20	0.18	0.01	0.18
(1,1506)	1:230:B:LEU:HD22	1:230:B:LEU:HB2	20	0.18	0.01	0.18
(1,1506)	1:230:B:LEU:HD21	1:230:B:LEU:HB2	20	0.18	0.01	0.18
(1,1506)	1:230:B:LEU:HD23	1:230:B:LEU:HB2	20	0.18	0.01	0.18
(3,2529)	1:269:A:LEU:HA	1:269:A:LEU:H	20	0.18	0.01	0.18
(3,2530)	1:269:B:LEU:HA	1:269:B:LEU:H	20	0.18	0.01	0.18
(1,1371)	1:262:A:LEU:HB2	1:262:A:LEU:HB3	20	0.18	0.0	0.18
(1,1372)	1:262:B:LEU:HB2	1:262:B:LEU:HB3	20	0.18	0.0	0.18
(3,1994)	1:259:B:ARG:HA	1:263:B:SER:H	20	0.17	0.02	0.18
(3,1993)	1:259:A:ARG:HA	1:263:A:SER:H	20	0.17	0.02	0.18
(3,2055)	1:211:A:ALA:HA	1:211:A:ALA:H	20	0.17	0.01	0.17
(3,2056)	1:211:B:ALA:HA	1:211:B:ALA:H	20	0.17	0.01	0.17
(1,1236)	1:220:B:ILE:HD12	1:220:B:ILE:HG13	20	0.17	0.02	0.17
(1,1236)	1:220:B:ILE:HD13	1:220:B:ILE:HG13	20	0.17	0.02	0.17
(1,1236)	1:220:B:ILE:HD11	1:220:B:ILE:HG13	20	0.17	0.02	0.17
(1,1235)	1:220:A:ILE:HD12	1:220:A:ILE:HG13	20	0.17	0.02	0.16
(1,1235)	1:220:A:ILE:HD13	1:220:A:ILE:HG13	20	0.17	0.02	0.16
(1,1235)	1:220:A:ILE:HD11	1:220:A:ILE:HG13	20	0.17	0.02	0.16

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,1398)	1:258:B:LEU:HD22	1:258:B:LEU:HB2	20	0.16	0.02	0.16
(3,1398)	1:258:B:LEU:HD21	1:258:B:LEU:HB2	20	0.16	0.02	0.16
(3,1398)	1:258:B:LEU:HD23	1:258:B:LEU:HB2	20	0.16	0.02	0.16
(3,1397)	1:258:A:LEU:HD22	1:258:A:LEU:HB2	20	0.16	0.02	0.16
(3,1397)	1:258:A:LEU:HD21	1:258:A:LEU:HB2	20	0.16	0.02	0.16
(3,1397)	1:258:A:LEU:HD23	1:258:A:LEU:HB2	20	0.16	0.02	0.16
(3,1433)	1:241:A:LEU:HD11	1:237:A:VAL:HG13	20	0.16	0.01	0.16
(3,1433)	1:241:A:LEU:HD11	1:237:A:VAL:HG11	20	0.16	0.01	0.16
(3,1433)	1:241:A:LEU:HD11	1:237:A:VAL:HG12	20	0.16	0.01	0.16
(3,1433)	1:241:A:LEU:HD12	1:237:A:VAL:HG12	20	0.16	0.01	0.16
(3,1433)	1:241:A:LEU:HD12	1:237:A:VAL:HG11	20	0.16	0.01	0.16
(3,1433)	1:241:A:LEU:HD13	1:237:A:VAL:HG11	20	0.16	0.01	0.16
(3,1433)	1:241:A:LEU:HD13	1:237:A:VAL:HG12	20	0.16	0.01	0.16
(3,1433)	1:241:A:LEU:HD13	1:237:A:VAL:HG13	20	0.16	0.01	0.16
(1,2257)	1:263:A:SER:HB2	1:263:A:SER:H	20	0.16	0.03	0.16
(3,1537)	1:223:A:LEU:HB3	1:223:B:LEU:HD12	20	0.16	0.0	0.16
(3,1537)	1:223:A:LEU:HB3	1:223:B:LEU:HD11	20	0.16	0.0	0.16
(3,1537)	1:223:A:LEU:HB3	1:223:B:LEU:HD13	20	0.16	0.0	0.16
(3,1538)	1:223:B:LEU:HB3	1:223:A:LEU:HD12	20	0.16	0.0	0.16
(3,1538)	1:223:B:LEU:HB3	1:223:A:LEU:HD11	20	0.16	0.0	0.16
(3,1538)	1:223:B:LEU:HB3	1:223:A:LEU:HD13	20	0.16	0.0	0.16
(1,2258)	1:263:B:SER:HB2	1:263:B:SER:H	20	0.16	0.03	0.16
(3,1434)	1:241:B:LEU:HD11	1:237:B:VAL:HG13	20	0.16	0.01	0.16
(3,1434)	1:241:B:LEU:HD11	1:237:B:VAL:HG11	20	0.16	0.01	0.16
(3,1434)	1:241:B:LEU:HD11	1:237:B:VAL:HG12	20	0.16	0.01	0.16
(3,1434)	1:241:B:LEU:HD12	1:237:B:VAL:HG12	20	0.16	0.01	0.16
(3,1434)	1:241:B:LEU:HD12	1:237:B:VAL:HG11	20	0.16	0.01	0.16
(3,1434)	1:241:B:LEU:HD13	1:237:B:VAL:HG11	20	0.16	0.01	0.16
(3,1434)	1:241:B:LEU:HD13	1:237:B:VAL:HG12	20	0.16	0.01	0.16
(3,1434)	1:241:B:LEU:HD13	1:237:B:VAL:HG13	20	0.16	0.01	0.16
(3,1035)	1:249:A:VAL:HG13	1:249:A:VAL:H	20	0.14	0.02	0.14
(3,1035)	1:249:A:VAL:HG12	1:249:A:VAL:H	20	0.14	0.02	0.14
(3,1035)	1:249:A:VAL:HG11	1:249:A:VAL:H	20	0.14	0.02	0.14
(3,1036)	1:249:B:VAL:HG13	1:249:B:VAL:H	20	0.14	0.02	0.15
(3,1036)	1:249:B:VAL:HG12	1:249:B:VAL:H	20	0.14	0.02	0.15
(3,1036)	1:249:B:VAL:HG11	1:249:B:VAL:H	20	0.14	0.02	0.15
(3,304)	1:265:B:ALA:HB2	1:262:B:LEU:HB2	20	0.14	0.02	0.13
(3,304)	1:265:B:ALA:HB1	1:262:B:LEU:HB2	20	0.14	0.02	0.13
(3,304)	1:265:B:ALA:HB3	1:262:B:LEU:HB2	20	0.14	0.02	0.13
(3,303)	1:265:A:ALA:HB2	1:262:A:LEU:HB2	20	0.14	0.02	0.13
(3,303)	1:265:A:ALA:HB1	1:262:A:LEU:HB2	20	0.14	0.02	0.13
(3,303)	1:265:A:ALA:HB3	1:262:A:LEU:HB2	20	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)
(3,1510)	1:230:B:LEU:HD21	1:230:B:LEU:HG	20	0.12	0.01	0.12
(3,1510)	1:230:B:LEU:HD23	1:230:B:LEU:HG	20	0.12	0.01	0.12
(3,1510)	1:230:B:LEU:HD22	1:230:B:LEU:HG	20	0.12	0.01	0.12
(3,1509)	1:230:A:LEU:HD21	1:230:A:LEU:HG	20	0.12	0.01	0.12
(3,1509)	1:230:A:LEU:HD23	1:230:A:LEU:HG	20	0.12	0.01	0.12
(3,1509)	1:230:A:LEU:HD22	1:230:A:LEU:HG	20	0.12	0.01	0.12
(1,2086)	1:228:B:LYS:HE3	1:225:B:VAL:HG23	19	0.81	0.3	0.79
(1,2086)	1:228:B:LYS:HE2	1:225:B:VAL:HG22	19	0.81	0.3	0.79
(1,2086)	1:228:B:LYS:HE2	1:225:B:VAL:HG23	19	0.81	0.3	0.79
(1,2086)	1:228:B:LYS:HE3	1:225:B:VAL:HG21	19	0.81	0.3	0.79
(1,2086)	1:228:B:LYS:HE2	1:225:B:VAL:HG21	19	0.81	0.3	0.79
(1,2086)	1:228:B:LYS:HE3	1:225:B:VAL:HG22	19	0.81	0.3	0.79
(1,2085)	1:228:A:LYS:HE3	1:225:A:VAL:HG23	19	0.81	0.3	0.77
(1,2085)	1:228:A:LYS:HE2	1:225:A:VAL:HG22	19	0.81	0.3	0.77
(1,2085)	1:228:A:LYS:HE2	1:225:A:VAL:HG23	19	0.81	0.3	0.77
(1,2085)	1:228:A:LYS:HE3	1:225:A:VAL:HG21	19	0.81	0.3	0.77
(1,2085)	1:228:A:LYS:HE2	1:225:A:VAL:HG21	19	0.81	0.3	0.77
(1,2085)	1:228:A:LYS:HE3	1:225:A:VAL:HG22	19	0.81	0.3	0.77
(1,543)	1:251:A:MET:HE3	1:255:B:PHE:HB2	19	0.8	0.14	0.8
(1,543)	1:251:A:MET:HE2	1:255:B:PHE:HB2	19	0.8	0.14	0.8
(1,543)	1:251:A:MET:HE1	1:255:B:PHE:HB2	19	0.8	0.14	0.8
(1,543)	1:251:A:MET:HE1	1:255:B:PHE:HB3	19	0.8	0.14	0.8
(1,544)	1:251:B:MET:HE3	1:255:A:PHE:HB2	19	0.8	0.14	0.79
(1,544)	1:251:B:MET:HE2	1:255:A:PHE:HB2	19	0.8	0.14	0.79
(1,544)	1:251:B:MET:HE1	1:255:A:PHE:HB2	19	0.8	0.14	0.79
(1,544)	1:251:B:MET:HE1	1:255:A:PHE:HB3	19	0.8	0.14	0.79
(1,534)	1:251:B:MET:HE3	1:254:A:ASN:H	19	0.76	0.15	0.8
(1,534)	1:251:B:MET:HE2	1:256:A:GLU:H	19	0.76	0.15	0.8
(1,534)	1:251:B:MET:HE1	1:256:A:GLU:H	19	0.76	0.15	0.8
(1,534)	1:251:B:MET:HE3	1:256:A:GLU:H	19	0.76	0.15	0.8
(1,534)	1:251:B:MET:HE1	1:254:A:ASN:H	19	0.76	0.15	0.8
(1,534)	1:251:B:MET:HE2	1:254:A:ASN:H	19	0.76	0.15	0.8
(1,533)	1:251:A:MET:HE3	1:254:B:ASN:H	19	0.76	0.15	0.8
(1,533)	1:251:A:MET:HE2	1:256:B:GLU:H	19	0.76	0.15	0.8
(1,533)	1:251:A:MET:HE1	1:256:B:GLU:H	19	0.76	0.15	0.8
(1,533)	1:251:A:MET:HE3	1:256:B:GLU:H	19	0.76	0.15	0.8
(1,533)	1:251:A:MET:HE1	1:254:B:ASN:H	19	0.76	0.15	0.8
(1,533)	1:251:A:MET:HE2	1:254:B:ASN:H	19	0.76	0.15	0.8
(1,201)	1:255:A:PHE:HZ	1:251:B:MET:HE3	19	0.72	0.32	0.69
(1,201)	1:255:A:PHE:HZ	1:251:B:MET:HE1	19	0.72	0.32	0.69
(1,201)	1:255:A:PHE:HZ	1:251:B:MET:HE2	19	0.72	0.32	0.69
(1,201)	1:255:A:PHE:HZ	1:258:B:LEU:HB3	19	0.72	0.32	0.69

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,202)	1:255:B:PHE:HZ	1:251:A:MET:HE3	19	0.72	0.32	0.67
(1,202)	1:255:B:PHE:HZ	1:251:A:MET:HE1	19	0.72	0.32	0.67
(1,202)	1:255:B:PHE:HZ	1:251:A:MET:HE2	19	0.72	0.32	0.67
(1,202)	1:255:B:PHE:HZ	1:258:A:LEU:HB3	19	0.72	0.32	0.67
(1,1336)	1:269:B:LEU:HD11	1:268:A:LYS:HB2	19	0.59	0.29	0.54
(1,1336)	1:269:B:LEU:HD12	1:268:A:LYS:HB2	19	0.59	0.29	0.54
(1,1336)	1:269:B:LEU:HD13	1:268:A:LYS:HB2	19	0.59	0.29	0.54
(1,1295)	1:262:A:LEU:HD21	1:265:B:ALA:H	19	0.55	0.13	0.53
(1,1295)	1:262:A:LEU:HD23	1:265:B:ALA:H	19	0.55	0.13	0.53
(1,1295)	1:216:A:LEU:HD12	1:218:B:GLN:H	19	0.55	0.13	0.53
(1,1295)	1:216:A:LEU:HD13	1:218:B:GLN:H	19	0.55	0.13	0.53
(1,1295)	1:262:A:LEU:HD22	1:265:B:ALA:H	19	0.55	0.13	0.53
(1,1295)	1:216:A:LEU:HD11	1:218:B:GLN:H	19	0.55	0.13	0.53
(1,1296)	1:262:B:LEU:HD21	1:265:A:ALA:H	19	0.54	0.12	0.55
(1,1296)	1:262:B:LEU:HD23	1:265:A:ALA:H	19	0.54	0.12	0.55
(1,1296)	1:216:B:LEU:HD12	1:218:A:GLN:H	19	0.54	0.12	0.55
(1,1296)	1:216:B:LEU:HD13	1:218:A:GLN:H	19	0.54	0.12	0.55
(1,1296)	1:262:B:LEU:HD22	1:265:A:ALA:H	19	0.54	0.12	0.55
(1,1296)	1:216:B:LEU:HD11	1:218:A:GLN:H	19	0.54	0.12	0.55
(1,413)	1:234:A:ASN:HA	1:237:B:VAL:HG12	19	0.51	0.15	0.46
(1,413)	1:234:A:ASN:HA	1:237:B:VAL:HG13	19	0.51	0.15	0.46
(1,413)	1:234:A:ASN:HA	1:237:B:VAL:HG11	19	0.51	0.15	0.46
(1,413)	1:234:A:ASN:HA	1:237:A:VAL:HG23	19	0.51	0.15	0.46
(1,414)	1:234:B:ASN:HA	1:237:A:VAL:HG12	19	0.51	0.15	0.45
(1,414)	1:234:B:ASN:HA	1:237:A:VAL:HG13	19	0.51	0.15	0.45
(1,414)	1:234:B:ASN:HA	1:237:A:VAL:HG11	19	0.51	0.15	0.45
(1,414)	1:234:B:ASN:HA	1:237:B:VAL:HG23	19	0.51	0.15	0.45
(1,1021)	1:266:A:GLN:HG3	1:262:A:LEU:HD11	19	0.51	0.25	0.5
(1,1021)	1:266:A:GLN:HG3	1:262:A:LEU:HD13	19	0.51	0.25	0.5
(1,1021)	1:266:A:GLN:HG3	1:262:A:LEU:HD12	19	0.51	0.25	0.5
(1,1022)	1:266:B:GLN:HG3	1:262:B:LEU:HD11	19	0.5	0.25	0.5
(1,1022)	1:266:B:GLN:HG3	1:262:B:LEU:HD13	19	0.5	0.25	0.5
(1,1022)	1:266:B:GLN:HG3	1:262:B:LEU:HD12	19	0.5	0.25	0.5
(1,1548)	1:223:B:LEU:HD13	1:220:A:ILE:HG12	19	0.47	0.15	0.52
(1,1548)	1:223:B:LEU:HD12	1:220:A:ILE:HG12	19	0.47	0.15	0.52
(1,1548)	1:223:B:LEU:HD11	1:220:A:ILE:HG12	19	0.47	0.15	0.52
(1,1547)	1:223:A:LEU:HD13	1:220:B:ILE:HG12	19	0.46	0.15	0.52
(1,1547)	1:223:A:LEU:HD12	1:220:B:ILE:HG12	19	0.46	0.15	0.52
(1,1547)	1:223:A:LEU:HD11	1:220:B:ILE:HG12	19	0.46	0.15	0.52
(1,2220)	1:255:B:PHE:HA	1:258:B:LEU:HD22	19	0.36	0.12	0.38
(1,2220)	1:255:B:PHE:HA	1:258:B:LEU:HD21	19	0.36	0.12	0.38
(1,2220)	1:255:B:PHE:HA	1:258:B:LEU:HD23	19	0.36	0.12	0.38

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2219)	1:255:A:PHE:HA	1:258:A:LEU:HD22	19	0.36	0.13	0.37
(1,2219)	1:255:A:PHE:HA	1:258:A:LEU:HD21	19	0.36	0.13	0.37
(1,2219)	1:255:A:PHE:HA	1:258:A:LEU:HD23	19	0.36	0.13	0.37
(3,1944)	1:258:B:LEU:HD11	1:261:B:GLU:HB3	19	0.35	0.05	0.34
(3,1944)	1:258:B:LEU:HD12	1:261:B:GLU:HB3	19	0.35	0.05	0.34
(3,1944)	1:258:B:LEU:HD13	1:261:B:GLU:HB3	19	0.35	0.05	0.34
(3,1943)	1:258:A:LEU:HD11	1:261:A:GLU:HB3	19	0.35	0.05	0.34
(3,1943)	1:258:A:LEU:HD12	1:261:A:GLU:HB3	19	0.35	0.05	0.34
(3,1943)	1:258:A:LEU:HD13	1:261:A:GLU:HB3	19	0.35	0.05	0.34
(3,1963)	1:249:A:VAL:HG22	1:252:A:LYS:HB3	19	0.24	0.09	0.24
(3,1963)	1:249:A:VAL:HG23	1:252:A:LYS:HB3	19	0.24	0.09	0.24
(3,1963)	1:249:A:VAL:HG21	1:252:A:LYS:HB3	19	0.24	0.09	0.24
(1,1165)	1:225:A:VAL:HG23	1:222:A:SER:HB3	19	0.23	0.07	0.22
(1,1165)	1:225:A:VAL:HG23	1:222:A:SER:HB2	19	0.23	0.07	0.22
(1,1165)	1:225:A:VAL:HG21	1:222:A:SER:HB2	19	0.23	0.07	0.22
(1,1165)	1:225:A:VAL:HG22	1:222:A:SER:HB2	19	0.23	0.07	0.22
(1,1165)	1:225:A:VAL:HG22	1:222:A:SER:HB3	19	0.23	0.07	0.22
(1,1165)	1:225:A:VAL:HG21	1:222:A:SER:HB3	19	0.23	0.07	0.22
(1,1166)	1:225:B:VAL:HG23	1:222:B:SER:HB3	19	0.23	0.07	0.22
(1,1166)	1:225:B:VAL:HG23	1:222:B:SER:HB2	19	0.23	0.07	0.22
(1,1166)	1:225:B:VAL:HG21	1:222:B:SER:HB2	19	0.23	0.07	0.22
(1,1166)	1:225:B:VAL:HG22	1:222:B:SER:HB2	19	0.23	0.07	0.22
(1,1166)	1:225:B:VAL:HG22	1:222:B:SER:HB3	19	0.23	0.07	0.22
(1,1166)	1:225:B:VAL:HG21	1:222:B:SER:HB3	19	0.23	0.07	0.22
(3,2028)	1:265:B:ALA:H	1:264:B:GLU:H	19	0.12	0.01	0.12
(1,273)	1:215:A:SER:HB2	1:219:A:LYS:HE3	18	1.0	0.35	1.0
(1,273)	1:215:A:SER:HB2	1:219:A:LYS:HE2	18	1.0	0.35	1.0
(1,274)	1:215:B:SER:HB2	1:219:B:LYS:HE3	18	1.0	0.35	1.0
(1,274)	1:215:B:SER:HB2	1:219:B:LYS:HE2	18	1.0	0.35	1.0
(3,321)	1:227:A:ALA:HB2	1:226:B:GLU:HG3	18	0.75	0.75	0.28
(3,321)	1:227:A:ALA:HB3	1:226:B:GLU:HG3	18	0.75	0.75	0.28
(3,321)	1:227:A:ALA:HB1	1:226:B:GLU:HG3	18	0.75	0.75	0.28
(3,322)	1:227:B:ALA:HB2	1:226:A:GLU:HG3	18	0.75	0.75	0.27
(3,322)	1:227:B:ALA:HB3	1:226:A:GLU:HG3	18	0.75	0.75	0.27
(3,322)	1:227:B:ALA:HB1	1:226:A:GLU:HG3	18	0.75	0.75	0.27
(1,1736)	1:259:B:ARG:HD2	1:260:B:THR:HG22	18	0.7	0.35	0.6
(1,1736)	1:259:B:ARG:HD2	1:257:A:THR:HG21	18	0.7	0.35	0.6
(1,1736)	1:259:B:ARG:HD2	1:260:B:THR:HG23	18	0.7	0.35	0.6
(1,1736)	1:259:B:ARG:HD2	1:260:B:THR:HG21	18	0.7	0.35	0.6
(1,1736)	1:259:B:ARG:HD3	1:257:A:THR:HG23	18	0.7	0.35	0.6
(1,1736)	1:259:B:ARG:HD2	1:257:A:THR:HG22	18	0.7	0.35	0.6
(1,1736)	1:259:B:ARG:HD3	1:260:B:THR:HG23	18	0.7	0.35	0.6

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1736)	1:259:B:ARG:HD2	1:257:A:THR:HG23	18	0.7	0.35	0.6
(1,1735)	1:259:A:ARG:HD2	1:260:A:THR:HG22	18	0.7	0.34	0.6
(1,1735)	1:259:A:ARG:HD2	1:257:B:THR:HG21	18	0.7	0.34	0.6
(1,1735)	1:259:A:ARG:HD2	1:260:A:THR:HG23	18	0.7	0.34	0.6
(1,1735)	1:259:A:ARG:HD2	1:260:A:THR:HG21	18	0.7	0.34	0.6
(1,1735)	1:259:A:ARG:HD3	1:257:B:THR:HG23	18	0.7	0.34	0.6
(1,1735)	1:259:A:ARG:HD2	1:257:B:THR:HG22	18	0.7	0.34	0.6
(1,1735)	1:259:A:ARG:HD3	1:260:A:THR:HG23	18	0.7	0.34	0.6
(1,1735)	1:259:A:ARG:HD2	1:257:B:THR:HG23	18	0.7	0.34	0.6
(3,518)	1:251:B:MET:HG3	1:251:B:MET:HE3	18	0.7	0.54	0.7
(3,518)	1:251:B:MET:HG3	1:251:B:MET:HE1	18	0.7	0.54	0.7
(3,518)	1:251:B:MET:HG3	1:251:B:MET:HE2	18	0.7	0.54	0.7
(3,517)	1:251:A:MET:HG3	1:251:A:MET:HE3	18	0.69	0.54	0.7
(3,517)	1:251:A:MET:HG3	1:251:A:MET:HE1	18	0.69	0.54	0.7
(3,517)	1:251:A:MET:HG3	1:251:A:MET:HE2	18	0.69	0.54	0.7
(1,1167)	1:221:A:ASN:HB2	1:225:A:VAL:HG23	18	0.52	0.09	0.49
(1,1167)	1:221:A:ASN:HB3	1:225:A:VAL:HG21	18	0.52	0.09	0.49
(1,1167)	1:221:A:ASN:HB3	1:225:A:VAL:HG22	18	0.52	0.09	0.49
(1,1167)	1:221:A:ASN:HB3	1:225:A:VAL:HG23	18	0.52	0.09	0.49
(1,1167)	1:221:A:ASN:HB2	1:225:A:VAL:HG21	18	0.52	0.09	0.49
(1,1168)	1:221:B:ASN:HB2	1:225:B:VAL:HG23	18	0.52	0.09	0.49
(1,1168)	1:221:B:ASN:HB3	1:225:B:VAL:HG21	18	0.52	0.09	0.49
(1,1168)	1:221:B:ASN:HB3	1:225:B:VAL:HG22	18	0.52	0.09	0.49
(1,1168)	1:221:B:ASN:HB3	1:225:B:VAL:HG23	18	0.52	0.09	0.49
(1,1168)	1:221:B:ASN:HB2	1:225:B:VAL:HG21	18	0.52	0.09	0.49
(3,1323)	1:266:A:GLN:HG3	1:262:A:LEU:HD11	18	0.46	0.25	0.45
(3,1323)	1:266:A:GLN:HG3	1:262:A:LEU:HD12	18	0.46	0.25	0.45
(3,1323)	1:266:A:GLN:HG3	1:262:A:LEU:HD13	18	0.46	0.25	0.45
(3,1324)	1:266:B:GLN:HG3	1:262:B:LEU:HD11	18	0.46	0.25	0.45
(3,1324)	1:266:B:GLN:HG3	1:262:B:LEU:HD12	18	0.46	0.25	0.45
(3,1324)	1:266:B:GLN:HG3	1:262:B:LEU:HD13	18	0.46	0.25	0.45
(1,527)	1:251:A:MET:HE1	1:248:B:PHE:HE1	18	0.33	0.13	0.32
(1,527)	1:251:A:MET:HE1	1:248:B:PHE:HE2	18	0.33	0.13	0.32
(1,527)	1:251:A:MET:HE2	1:248:B:PHE:HD1	18	0.33	0.13	0.32
(1,527)	1:251:A:MET:HE2	1:248:B:PHE:HE1	18	0.33	0.13	0.32
(1,527)	1:251:A:MET:HE3	1:248:B:PHE:HE1	18	0.33	0.13	0.32
(1,527)	1:251:A:MET:HE3	1:248:B:PHE:HD1	18	0.33	0.13	0.32
(1,527)	1:251:A:MET:HE1	1:248:B:PHE:HD2	18	0.33	0.13	0.32
(3,1964)	1:249:B:VAL:HG22	1:252:B:LYS:HB3	18	0.24	0.08	0.24
(3,1964)	1:249:B:VAL:HG23	1:252:B:LYS:HB3	18	0.24	0.08	0.24
(3,1964)	1:249:B:VAL:HG21	1:252:B:LYS:HB3	18	0.24	0.08	0.24
(1,1357)	1:262:A:LEU:HD21	1:262:A:LEU:HB2	18	0.14	0.02	0.14

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1357)	1:262:A:LEU:HD23	1:262:A:LEU:HB2	18	0.14	0.02	0.14
(1,1357)	1:262:A:LEU:HD22	1:262:A:LEU:HB2	18	0.14	0.02	0.14
(1,1237)	1:220:A:ILE:HG12	1:220:A:ILE:HD13	18	0.13	0.02	0.13
(1,1237)	1:220:A:ILE:HG12	1:220:A:ILE:HD11	18	0.13	0.02	0.13
(1,1237)	1:220:A:ILE:HG12	1:220:A:ILE:HD12	18	0.13	0.02	0.13
(1,1238)	1:220:B:ILE:HG12	1:220:B:ILE:HD13	18	0.13	0.02	0.13
(1,1238)	1:220:B:ILE:HG12	1:220:B:ILE:HD11	18	0.13	0.02	0.13
(1,1238)	1:220:B:ILE:HG12	1:220:B:ILE:HD12	18	0.13	0.02	0.13
(3,2027)	1:265:A:ALA:H	1:264:A:GLU:H	18	0.12	0.01	0.12
(3,235)	1:244:A:ILE:HG22	1:244:B:ILE:HD12	17	0.49	0.04	0.5
(3,235)	1:244:A:ILE:HG23	1:244:B:ILE:HD12	17	0.49	0.04	0.5
(3,235)	1:244:A:ILE:HG23	1:244:B:ILE:HD11	17	0.49	0.04	0.5
(3,235)	1:244:A:ILE:HG22	1:244:B:ILE:HD13	17	0.49	0.04	0.5
(3,235)	1:244:A:ILE:HG22	1:244:B:ILE:HD11	17	0.49	0.04	0.5
(3,235)	1:244:A:ILE:HG21	1:244:B:ILE:HD13	17	0.49	0.04	0.5
(3,235)	1:244:A:ILE:HG23	1:244:B:ILE:HD13	17	0.49	0.04	0.5
(3,236)	1:244:B:ILE:HG22	1:244:A:ILE:HD12	17	0.48	0.04	0.49
(3,236)	1:244:B:ILE:HG23	1:244:A:ILE:HD12	17	0.48	0.04	0.49
(3,236)	1:244:B:ILE:HG23	1:244:A:ILE:HD11	17	0.48	0.04	0.49
(3,236)	1:244:B:ILE:HG22	1:244:A:ILE:HD13	17	0.48	0.04	0.49
(3,236)	1:244:B:ILE:HG22	1:244:A:ILE:HD11	17	0.48	0.04	0.49
(3,236)	1:244:B:ILE:HG21	1:244:A:ILE:HD13	17	0.48	0.04	0.49
(3,236)	1:244:B:ILE:HG23	1:244:A:ILE:HD13	17	0.48	0.04	0.49
(3,1271)	1:217:A:GLN:HA	1:220:A:ILE:HG22	17	0.4	0.17	0.39
(3,1271)	1:217:A:GLN:HA	1:220:A:ILE:HG23	17	0.4	0.17	0.39
(3,1271)	1:217:A:GLN:HA	1:220:A:ILE:HG21	17	0.4	0.17	0.39
(3,1272)	1:217:B:GLN:HA	1:220:B:ILE:HG22	17	0.4	0.17	0.39
(3,1272)	1:217:B:GLN:HA	1:220:B:ILE:HG23	17	0.4	0.17	0.39
(3,1272)	1:217:B:GLN:HA	1:220:B:ILE:HG21	17	0.4	0.17	0.39
(1,1832)	1:240:B:ARG:HD2	1:241:A:LEU:HD12	17	0.38	0.16	0.37
(1,1832)	1:240:B:ARG:HD2	1:241:A:LEU:HD13	17	0.38	0.16	0.37
(1,1832)	1:240:B:ARG:HD2	1:241:A:LEU:HD11	17	0.38	0.16	0.37
(1,528)	1:251:B:MET:HE1	1:248:A:PHE:HE1	17	0.35	0.13	0.33
(1,528)	1:251:B:MET:HE2	1:248:A:PHE:HD1	17	0.35	0.13	0.33
(1,528)	1:251:B:MET:HE2	1:248:A:PHE:HE1	17	0.35	0.13	0.33
(1,528)	1:251:B:MET:HE3	1:248:A:PHE:HE1	17	0.35	0.13	0.33
(1,528)	1:251:B:MET:HE3	1:248:A:PHE:HD1	17	0.35	0.13	0.33
(1,528)	1:251:B:MET:HE1	1:248:A:PHE:HD2	17	0.35	0.13	0.33
(1,1426)	1:255:B:PHE:HB2	1:258:B:LEU:HD13	17	0.27	0.06	0.28
(1,1426)	1:255:B:PHE:HB2	1:258:B:LEU:HD11	17	0.27	0.06	0.28
(1,1426)	1:255:B:PHE:HB2	1:258:B:LEU:HD12	17	0.27	0.06	0.28
(1,1425)	1:255:A:PHE:HB2	1:258:A:LEU:HD13	17	0.27	0.06	0.28

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1425)	1:255:A:PHE:HB2	1:258:A:LEU:HD11	17	0.27	0.06	0.28
(1,1425)	1:255:A:PHE:HB2	1:258:A:LEU:HD12	17	0.27	0.06	0.28
(1,1111)	1:249:A:VAL:HG11	1:252:A:LYS:HB2	17	0.25	0.12	0.22
(1,1111)	1:249:A:VAL:HG13	1:252:A:LYS:HD3	17	0.25	0.12	0.22
(1,1111)	1:249:A:VAL:HG12	1:252:A:LYS:HB2	17	0.25	0.12	0.22
(1,1111)	1:249:A:VAL:HG11	1:250:A:LYS:HG3	17	0.25	0.12	0.22
(1,1111)	1:249:A:VAL:HG11	1:252:A:LYS:HD3	17	0.25	0.12	0.22
(1,1111)	1:249:A:VAL:HG13	1:252:A:LYS:HB2	17	0.25	0.12	0.22
(3,2455)	1:217:A:GLN:HB3	1:217:A:GLN:H	17	0.23	0.03	0.24
(3,2456)	1:217:B:GLN:HB3	1:217:B:GLN:H	17	0.23	0.03	0.24
(3,22)	1:244:B:ILE:HD12	1:244:A:ILE:HG22	17	0.22	0.04	0.23
(3,22)	1:244:B:ILE:HD12	1:244:A:ILE:HG23	17	0.22	0.04	0.23
(3,22)	1:244:B:ILE:HD11	1:244:A:ILE:HG23	17	0.22	0.04	0.23
(3,22)	1:244:B:ILE:HD13	1:244:A:ILE:HG22	17	0.22	0.04	0.23
(3,22)	1:244:B:ILE:HD11	1:244:A:ILE:HG22	17	0.22	0.04	0.23
(3,22)	1:244:B:ILE:HD13	1:244:A:ILE:HG21	17	0.22	0.04	0.23
(3,22)	1:244:B:ILE:HD13	1:244:A:ILE:HG23	17	0.22	0.04	0.23
(3,21)	1:244:A:ILE:HD12	1:244:B:ILE:HG22	17	0.22	0.04	0.23
(3,21)	1:244:A:ILE:HD12	1:244:B:ILE:HG23	17	0.22	0.04	0.23
(3,21)	1:244:A:ILE:HD11	1:244:B:ILE:HG23	17	0.22	0.04	0.23
(3,21)	1:244:A:ILE:HD13	1:244:B:ILE:HG22	17	0.22	0.04	0.23
(3,21)	1:244:A:ILE:HD11	1:244:B:ILE:HG22	17	0.22	0.04	0.23
(3,21)	1:244:A:ILE:HD13	1:244:B:ILE:HG21	17	0.22	0.04	0.23
(3,21)	1:244:A:ILE:HD13	1:244:B:ILE:HG23	17	0.22	0.04	0.23
(3,1865)	1:249:A:VAL:HG23	1:253:A:ASP:H	17	0.21	0.05	0.2
(3,1865)	1:249:A:VAL:HG22	1:253:A:ASP:H	17	0.21	0.05	0.2
(3,1865)	1:249:A:VAL:HG21	1:253:A:ASP:H	17	0.21	0.05	0.2
(3,1866)	1:249:B:VAL:HG23	1:253:B:ASP:H	17	0.21	0.05	0.19
(3,1866)	1:249:B:VAL:HG22	1:253:B:ASP:H	17	0.21	0.05	0.19
(3,1866)	1:249:B:VAL:HG21	1:253:B:ASP:H	17	0.21	0.05	0.19
(1,1358)	1:262:B:LEU:HD21	1:262:B:LEU:HB2	17	0.14	0.02	0.14
(1,1358)	1:262:B:LEU:HD23	1:262:B:LEU:HB2	17	0.14	0.02	0.14
(1,1358)	1:262:B:LEU:HD22	1:262:B:LEU:HB2	17	0.14	0.02	0.14
(3,1033)	1:249:A:VAL:HG13	1:250:A:LYS:H	17	0.14	0.03	0.13
(3,1033)	1:249:A:VAL:HG12	1:250:A:LYS:H	17	0.14	0.03	0.13
(3,1033)	1:249:A:VAL:HG11	1:250:A:LYS:H	17	0.14	0.03	0.13
(3,1034)	1:249:B:VAL:HG13	1:250:B:LYS:H	17	0.14	0.02	0.13
(3,1034)	1:249:B:VAL:HG12	1:250:B:LYS:H	17	0.14	0.02	0.13
(3,1034)	1:249:B:VAL:HG11	1:250:B:LYS:H	17	0.14	0.02	0.13
(1,1578)	1:216:B:LEU:HD22	1:213:A:ASN:HA	16	0.61	0.18	0.67
(1,1578)	1:216:B:LEU:HD21	1:213:B:ASN:HA	16	0.61	0.18	0.67
(1,1578)	1:216:B:LEU:HD23	1:213:A:ASN:HA	16	0.61	0.18	0.67

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1578)	1:216:B:LEU:HD21	1:213:A:ASN:HA	16	0.61	0.18	0.67
(1,1578)	1:216:B:LEU:HD23	1:213:B:ASN:HA	16	0.61	0.18	0.67
(1,1578)	1:216:B:LEU:HD22	1:213:B:ASN:HA	16	0.61	0.18	0.67
(1,1577)	1:216:A:LEU:HD22	1:213:B:ASN:HA	16	0.61	0.18	0.69
(1,1577)	1:216:A:LEU:HD21	1:213:A:ASN:HA	16	0.61	0.18	0.69
(1,1577)	1:216:A:LEU:HD23	1:213:B:ASN:HA	16	0.61	0.18	0.69
(1,1577)	1:216:A:LEU:HD21	1:213:B:ASN:HA	16	0.61	0.18	0.69
(1,1577)	1:216:A:LEU:HD23	1:213:A:ASN:HA	16	0.61	0.18	0.69
(1,1577)	1:216:A:LEU:HD22	1:213:A:ASN:HA	16	0.61	0.18	0.69
(1,1329)	1:269:A:LEU:HD11	1:264:B:GLU:HG3	16	0.6	0.25	0.62
(1,1329)	1:214:A:GLU:HG2	1:210:A:LEU:HD12	16	0.6	0.25	0.62
(1,1329)	1:269:A:LEU:HD12	1:264:B:GLU:HG3	16	0.6	0.25	0.62
(1,1329)	1:269:A:LEU:HD13	1:264:B:GLU:HG3	16	0.6	0.25	0.62
(1,1329)	1:214:A:GLU:HG2	1:210:A:LEU:HD13	16	0.6	0.25	0.62
(1,1330)	1:269:B:LEU:HD11	1:264:A:GLU:HG3	16	0.6	0.25	0.62
(1,1330)	1:214:B:GLU:HG2	1:210:B:LEU:HD12	16	0.6	0.25	0.62
(1,1330)	1:269:B:LEU:HD12	1:264:A:GLU:HG3	16	0.6	0.25	0.62
(1,1330)	1:269:B:LEU:HD13	1:264:A:GLU:HG3	16	0.6	0.25	0.62
(1,1330)	1:214:B:GLU:HG2	1:210:B:LEU:HD13	16	0.6	0.25	0.62
(1,1314)	1:269:B:LEU:HG	1:270:B:ARG:HE	16	0.52	0.23	0.53
(1,1314)	1:269:B:LEU:HG	1:271:B:ARG:HE	16	0.52	0.23	0.53
(1,1313)	1:269:A:LEU:HG	1:270:A:ARG:HE	16	0.52	0.23	0.52
(1,1313)	1:269:A:LEU:HG	1:271:A:ARG:HE	16	0.52	0.23	0.52
(1,1831)	1:240:A:ARG:HD2	1:241:B:LEU:HD12	16	0.38	0.17	0.36
(1,1831)	1:240:A:ARG:HD2	1:241:B:LEU:HD13	16	0.38	0.17	0.36
(1,1831)	1:240:A:ARG:HD2	1:241:B:LEU:HD11	16	0.38	0.17	0.36
(1,1112)	1:249:B:VAL:HG11	1:252:B:LYS:HB2	16	0.26	0.11	0.22
(1,1112)	1:249:B:VAL:HG13	1:252:B:LYS:HD3	16	0.26	0.11	0.22
(1,1112)	1:249:B:VAL:HG11	1:250:B:LYS:HG3	16	0.26	0.11	0.22
(1,1112)	1:249:B:VAL:HG11	1:252:B:LYS:HD3	16	0.26	0.11	0.22
(1,1112)	1:249:B:VAL:HG13	1:252:B:LYS:HB2	16	0.26	0.11	0.22
(1,1112)	1:249:B:VAL:HG12	1:252:B:LYS:HB2	16	0.26	0.11	0.22
(3,1129)	1:237:A:VAL:HG22	1:238:A:GLN:H	16	0.17	0.04	0.18
(3,1129)	1:237:A:VAL:HG23	1:238:A:GLN:H	16	0.17	0.04	0.18
(3,1129)	1:237:A:VAL:HG21	1:238:A:GLN:H	16	0.17	0.04	0.18
(3,185)	1:262:A:LEU:HD12	1:254:B:ASN:HD21	15	0.98	0.64	1.28
(3,185)	1:262:A:LEU:HD11	1:254:B:ASN:HD21	15	0.98	0.64	1.28
(3,185)	1:262:A:LEU:HD13	1:254:B:ASN:HD21	15	0.98	0.64	1.28
(1,72)	1:255:B:PHE:HD2	1:251:A:MET:HE3	15	0.79	0.35	0.86
(1,72)	1:255:B:PHE:HD1	1:251:A:MET:HE3	15	0.79	0.35	0.86
(1,72)	1:255:B:PHE:HD1	1:251:A:MET:HE2	15	0.79	0.35	0.86
(1,72)	1:255:B:PHE:HD2	1:251:A:MET:HE1	15	0.79	0.35	0.86

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,72)	1:255:B:PHE:HD2	1:251:A:MET:HE2	15	0.79	0.35	0.86
(1,72)	1:255:B:PHE:HD1	1:251:A:MET:HE1	15	0.79	0.35	0.86
(1,71)	1:255:A:PHE:HD2	1:251:B:MET:HE3	15	0.78	0.35	0.85
(1,71)	1:255:A:PHE:HD1	1:251:B:MET:HE3	15	0.78	0.35	0.85
(1,71)	1:255:A:PHE:HD1	1:251:B:MET:HE2	15	0.78	0.35	0.85
(1,71)	1:255:A:PHE:HD2	1:251:B:MET:HE1	15	0.78	0.35	0.85
(1,71)	1:255:A:PHE:HD2	1:251:B:MET:HE2	15	0.78	0.35	0.85
(1,71)	1:255:A:PHE:HD1	1:251:B:MET:HE1	15	0.78	0.35	0.85
(3,742)	1:226:B:GLU:HG3	1:227:A:ALA:HB2	15	0.76	0.77	0.16
(3,742)	1:226:B:GLU:HG3	1:227:A:ALA:HB3	15	0.76	0.77	0.16
(3,742)	1:226:B:GLU:HG3	1:227:A:ALA:HB1	15	0.76	0.77	0.16
(3,741)	1:226:A:GLU:HG3	1:227:B:ALA:HB2	15	0.75	0.77	0.16
(3,741)	1:226:A:GLU:HG3	1:227:B:ALA:HB3	15	0.75	0.77	0.16
(3,741)	1:226:A:GLU:HG3	1:227:B:ALA:HB1	15	0.75	0.77	0.16
(3,1169)	1:225:A:VAL:HG13	1:221:A:ASN:HD21	15	0.71	0.57	0.44
(3,1169)	1:225:A:VAL:HG12	1:221:A:ASN:HD21	15	0.71	0.57	0.44
(3,1169)	1:225:A:VAL:HG11	1:221:A:ASN:HD21	15	0.71	0.57	0.44
(3,1170)	1:225:B:VAL:HG13	1:221:B:ASN:HD21	15	0.71	0.57	0.43
(3,1170)	1:225:B:VAL:HG12	1:221:B:ASN:HD21	15	0.71	0.57	0.43
(3,1170)	1:225:B:VAL:HG11	1:221:B:ASN:HD21	15	0.71	0.57	0.43
(1,1810)	1:243:B:ARG:HD2	1:245:B:THR:HG22	15	0.56	0.21	0.56
(1,1810)	1:243:B:ARG:HD2	1:245:B:THR:HG23	15	0.56	0.21	0.56
(1,1810)	1:243:B:ARG:HD3	1:245:B:THR:HG22	15	0.56	0.21	0.56
(1,1810)	1:243:B:ARG:HD3	1:245:B:THR:HG23	15	0.56	0.21	0.56
(1,1810)	1:243:B:ARG:HD2	1:240:B:ARG:HG2	15	0.56	0.21	0.56
(1,1810)	1:243:B:ARG:HD3	1:240:B:ARG:HG2	15	0.56	0.21	0.56
(1,1810)	1:243:B:ARG:HD3	1:241:B:LEU:HB3	15	0.56	0.21	0.56
(1,1810)	1:243:B:ARG:HD2	1:245:B:THR:HG21	15	0.56	0.21	0.56
(1,1810)	1:243:B:ARG:HD3	1:245:B:THR:HG21	15	0.56	0.21	0.56
(1,1809)	1:243:A:ARG:HD2	1:245:A:THR:HG22	15	0.56	0.21	0.56
(1,1809)	1:243:A:ARG:HD2	1:245:A:THR:HG23	15	0.56	0.21	0.56
(1,1809)	1:243:A:ARG:HD3	1:245:A:THR:HG22	15	0.56	0.21	0.56
(1,1809)	1:243:A:ARG:HD3	1:245:A:THR:HG23	15	0.56	0.21	0.56
(1,1809)	1:243:A:ARG:HD2	1:240:A:ARG:HG2	15	0.56	0.21	0.56
(1,1809)	1:243:A:ARG:HD3	1:240:A:ARG:HG2	15	0.56	0.21	0.56
(1,1809)	1:243:A:ARG:HD3	1:241:A:LEU:HB3	15	0.56	0.21	0.56
(1,1809)	1:243:A:ARG:HD2	1:245:A:THR:HG21	15	0.56	0.21	0.56
(1,1809)	1:243:A:ARG:HD3	1:245:A:THR:HG21	15	0.56	0.21	0.56
(1,1801)	1:243:A:ARG:HD3	1:239:A:GLU:HB3	15	0.47	0.2	0.41
(1,1801)	1:243:A:ARG:HD2	1:239:A:GLU:HB3	15	0.47	0.2	0.41
(1,1801)	1:243:A:ARG:HD2	1:239:A:GLU:HB2	15	0.47	0.2	0.41
(1,1802)	1:243:B:ARG:HD3	1:239:B:GLU:HB3	15	0.47	0.2	0.41

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1802)	1:243:B:ARG:HD2	1:239:B:GLU:HB3	15	0.47	0.2	0.41
(1,1802)	1:243:B:ARG:HD2	1:239:B:GLU:HB2	15	0.47	0.2	0.41
(3,1945)	1:255:A:PHE:HA	1:258:A:LEU:HD11	15	0.28	0.03	0.27
(3,1945)	1:255:A:PHE:HA	1:258:A:LEU:HD12	15	0.28	0.03	0.27
(3,1945)	1:255:A:PHE:HA	1:258:A:LEU:HD13	15	0.28	0.03	0.27
(3,1946)	1:255:B:PHE:HA	1:258:B:LEU:HD11	15	0.28	0.03	0.27
(3,1946)	1:255:B:PHE:HA	1:258:B:LEU:HD12	15	0.28	0.03	0.27
(3,1946)	1:255:B:PHE:HA	1:258:B:LEU:HD13	15	0.28	0.03	0.27
(3,1130)	1:237:B:VAL:HG22	1:238:B:GLN:H	15	0.17	0.03	0.18
(3,1130)	1:237:B:VAL:HG23	1:238:B:GLN:H	15	0.17	0.03	0.18
(3,1130)	1:237:B:VAL:HG21	1:238:B:GLN:H	15	0.17	0.03	0.18
(3,186)	1:262:B:LEU:HD12	1:254:A:ASN:HD21	14	1.05	0.62	1.28
(3,186)	1:262:B:LEU:HD11	1:254:A:ASN:HD21	14	1.05	0.62	1.28
(3,186)	1:262:B:LEU:HD13	1:254:A:ASN:HD21	14	1.05	0.62	1.28
(3,1447)	1:241:A:LEU:HD21	1:240:B:ARG:HD2	14	0.4	0.19	0.38
(3,1447)	1:241:A:LEU:HD22	1:240:B:ARG:HD2	14	0.4	0.19	0.38
(3,1447)	1:241:A:LEU:HD23	1:240:B:ARG:HD2	14	0.4	0.19	0.38
(3,1448)	1:241:B:LEU:HD21	1:240:A:ARG:HD2	14	0.39	0.19	0.37
(3,1448)	1:241:B:LEU:HD22	1:240:A:ARG:HD2	14	0.39	0.19	0.37
(3,1448)	1:241:B:LEU:HD23	1:240:A:ARG:HD2	14	0.39	0.19	0.37
(1,1333)	1:269:A:LEU:HG	1:269:A:LEU:HD21	14	0.28	0.1	0.28
(1,1333)	1:269:A:LEU:HD22	1:268:B:LYS:HD2	14	0.28	0.1	0.28
(1,1333)	1:269:A:LEU:HG	1:269:A:LEU:HD23	14	0.28	0.1	0.28
(1,1333)	1:269:A:LEU:HD23	1:268:B:LYS:HD2	14	0.28	0.1	0.28
(1,1333)	1:269:A:LEU:HG	1:269:A:LEU:HD22	14	0.28	0.1	0.28
(1,1333)	1:269:A:LEU:HD21	1:268:B:LYS:HD2	14	0.28	0.1	0.28
(1,1334)	1:269:B:LEU:HG	1:269:B:LEU:HD21	14	0.26	0.11	0.24
(1,1334)	1:269:B:LEU:HD22	1:268:A:LYS:HD2	14	0.26	0.11	0.24
(1,1334)	1:269:B:LEU:HG	1:269:B:LEU:HD23	14	0.26	0.11	0.24
(1,1334)	1:269:B:LEU:HD23	1:268:A:LYS:HD2	14	0.26	0.11	0.24
(1,1334)	1:269:B:LEU:HG	1:269:B:LEU:HD22	14	0.26	0.11	0.24
(1,1334)	1:269:B:LEU:HD21	1:268:A:LYS:HD2	14	0.26	0.11	0.24
(1,536)	1:251:B:MET:HE2	1:249:A:VAL:H	14	0.19	0.06	0.19
(1,536)	1:251:B:MET:HE3	1:249:A:VAL:H	14	0.19	0.06	0.19
(1,536)	1:251:B:MET:HE2	1:249:B:VAL:H	14	0.19	0.06	0.19
(1,536)	1:251:B:MET:HE2	1:247:B:ASP:H	14	0.19	0.06	0.19
(1,536)	1:251:B:MET:HE1	1:249:A:VAL:H	14	0.19	0.06	0.19
(1,536)	1:251:B:MET:HE3	1:249:B:VAL:H	14	0.19	0.06	0.19
(1,536)	1:251:B:MET:HE1	1:249:B:VAL:H	14	0.19	0.06	0.19
(3,1107)	1:210:A:LEU:HD22	1:207:A:ASP:HB2	13	1.23	0.72	1.6
(3,1107)	1:210:A:LEU:HD21	1:207:A:ASP:HB2	13	1.23	0.72	1.6
(3,1107)	1:210:A:LEU:HD23	1:207:A:ASP:HB2	13	1.23	0.72	1.6

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,1108)	1:210:B:LEU:HD22	1:207:B:ASP:HB2	13	1.23	0.72	1.6
(3,1108)	1:210:B:LEU:HD21	1:207:B:ASP:HB2	13	1.23	0.72	1.6
(3,1108)	1:210:B:LEU:HD23	1:207:B:ASP:HB2	13	1.23	0.72	1.6
(3,516)	1:247:B:ASP:HB2	1:251:B:MET:HE1	13	0.83	0.36	0.74
(3,516)	1:247:B:ASP:HB2	1:251:B:MET:HE3	13	0.83	0.36	0.74
(3,516)	1:247:B:ASP:HB2	1:251:B:MET:HE2	13	0.83	0.36	0.74
(3,515)	1:247:A:ASP:HB2	1:251:A:MET:HE1	13	0.83	0.36	0.73
(3,515)	1:247:A:ASP:HB2	1:251:A:MET:HE3	13	0.83	0.36	0.73
(3,515)	1:247:A:ASP:HB2	1:251:A:MET:HE2	13	0.83	0.36	0.73
(1,2221)	1:268:A:LYS:HE2	1:272:B:GLN:HA	13	0.82	0.32	0.94
(1,2221)	1:228:A:LYS:HE3	1:226:A:GLU:HA	13	0.82	0.32	0.94
(1,2221)	1:228:A:LYS:HE2	1:226:A:GLU:HA	13	0.82	0.32	0.94
(1,2221)	1:268:A:LYS:HE3	1:272:B:GLN:HA	13	0.82	0.32	0.94
(1,876)	1:223:B:LEU:HA	1:228:B:LYS:HG3	13	0.42	0.16	0.43
(1,876)	1:212:B:GLU:HA	1:208:B:ARG:HG2	13	0.42	0.16	0.43
(1,876)	1:223:B:LEU:HA	1:228:A:LYS:HG3	13	0.42	0.16	0.43
(1,876)	1:212:B:GLU:HA	1:208:B:ARG:HG3	13	0.42	0.16	0.43
(1,875)	1:223:A:LEU:HA	1:228:A:LYS:HG3	13	0.42	0.16	0.44
(1,875)	1:212:A:GLU:HA	1:208:A:ARG:HG2	13	0.42	0.16	0.44
(1,875)	1:223:A:LEU:HA	1:228:B:LYS:HG3	13	0.42	0.16	0.44
(1,875)	1:212:A:GLU:HA	1:208:A:ARG:HG3	13	0.42	0.16	0.44
(1,1171)	1:225:A:VAL:HG21	1:228:A:LYS:HD2	13	0.4	0.23	0.36
(1,1171)	1:225:A:VAL:HG23	1:228:A:LYS:HD2	13	0.4	0.23	0.36
(1,1171)	1:225:A:VAL:HG21	1:228:A:LYS:HD3	13	0.4	0.23	0.36
(1,1171)	1:225:A:VAL:HG22	1:228:A:LYS:HD3	13	0.4	0.23	0.36
(1,1171)	1:225:A:VAL:HG22	1:228:A:LYS:HD2	13	0.4	0.23	0.36
(1,1171)	1:225:A:VAL:HG23	1:228:A:LYS:HD3	13	0.4	0.23	0.36
(1,1172)	1:225:B:VAL:HG21	1:228:B:LYS:HD2	13	0.4	0.23	0.35
(1,1172)	1:225:B:VAL:HG23	1:228:B:LYS:HD2	13	0.4	0.23	0.35
(1,1172)	1:225:B:VAL:HG21	1:228:B:LYS:HD3	13	0.4	0.23	0.35
(1,1172)	1:225:B:VAL:HG22	1:228:B:LYS:HD3	13	0.4	0.23	0.35
(1,1172)	1:225:B:VAL:HG22	1:228:B:LYS:HD2	13	0.4	0.23	0.35
(1,1172)	1:225:B:VAL:HG23	1:228:B:LYS:HD3	13	0.4	0.23	0.35
(1,535)	1:251:A:MET:HE2	1:249:B:VAL:H	13	0.2	0.06	0.2
(1,535)	1:251:A:MET:HE2	1:249:A:VAL:H	13	0.2	0.06	0.2
(1,535)	1:251:A:MET:HE2	1:247:A:ASP:H	13	0.2	0.06	0.2
(1,535)	1:251:A:MET:HE3	1:249:B:VAL:H	13	0.2	0.06	0.2
(1,535)	1:251:A:MET:HE1	1:249:B:VAL:H	13	0.2	0.06	0.2
(1,535)	1:251:A:MET:HE3	1:249:A:VAL:H	13	0.2	0.06	0.2
(1,535)	1:251:A:MET:HE1	1:249:A:VAL:H	13	0.2	0.06	0.2
(1,1529)	1:223:A:LEU:HD23	1:227:A:ALA:H	13	0.18	0.07	0.15
(1,1529)	1:223:A:LEU:HD22	1:227:A:ALA:H	13	0.18	0.07	0.15

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1529)	1:223:A:LEU:HD21	1:227:A:ALA:H	13	0.18	0.07	0.15
(1,1530)	1:223:B:LEU:HD23	1:227:B:ALA:H	13	0.17	0.07	0.15
(1,1530)	1:223:B:LEU:HD22	1:227:B:ALA:H	13	0.17	0.07	0.15
(1,1530)	1:223:B:LEU:HD21	1:227:B:ALA:H	13	0.17	0.07	0.15
(3,2739)	1:271:A:ARG:H	1:269:A:LEU:HA	13	0.13	0.02	0.12
(3,1919)	1:210:A:LEU:HD13	1:207:A:ASP:HB2	12	1.07	0.5	1.2
(3,1919)	1:210:A:LEU:HD11	1:207:A:ASP:HB2	12	1.07	0.5	1.2
(3,1919)	1:210:A:LEU:HD12	1:207:A:ASP:HB2	12	1.07	0.5	1.2
(3,1920)	1:210:B:LEU:HD13	1:207:B:ASP:HB2	12	1.07	0.5	1.2
(3,1920)	1:210:B:LEU:HD11	1:207:B:ASP:HB2	12	1.07	0.5	1.2
(3,1920)	1:210:B:LEU:HD12	1:207:B:ASP:HB2	12	1.07	0.5	1.2
(1,2222)	1:268:B:LYS:HE2	1:272:A:GLN:HA	12	0.88	0.25	0.93
(1,2222)	1:228:B:LYS:HE3	1:226:B:GLU:HA	12	0.88	0.25	0.93
(1,2222)	1:228:B:LYS:HE2	1:226:B:GLU:HA	12	0.88	0.25	0.93
(1,2222)	1:268:B:LYS:HE3	1:272:A:GLN:HA	12	0.88	0.25	0.93
(1,1902)	1:268:B:LYS:HE3	1:272:A:GLN:HG2	12	0.66	0.34	0.68
(1,1902)	1:264:B:GLU:HG2	1:268:B:LYS:HE3	12	0.66	0.34	0.68
(1,1902)	1:268:B:LYS:HE3	1:272:A:GLN:HG3	12	0.66	0.34	0.68
(1,1902)	1:264:B:GLU:HG2	1:268:B:LYS:HE2	12	0.66	0.34	0.68
(1,1901)	1:268:A:LYS:HE3	1:272:B:GLN:HG2	12	0.66	0.34	0.68
(1,1901)	1:264:A:GLU:HG2	1:268:A:LYS:HE3	12	0.66	0.34	0.68
(1,1901)	1:268:A:LYS:HE3	1:272:B:GLN:HG3	12	0.66	0.34	0.68
(1,1901)	1:264:A:GLU:HG2	1:268:A:LYS:HE2	12	0.66	0.34	0.68
(1,966)	1:217:B:GLN:HG2	1:220:B:ILE:HA	12	0.47	0.17	0.44
(1,966)	1:217:B:GLN:HG3	1:220:B:ILE:HA	12	0.47	0.17	0.44
(1,965)	1:217:A:GLN:HG2	1:220:A:ILE:HA	12	0.47	0.18	0.44
(1,965)	1:217:A:GLN:HG3	1:220:A:ILE:HA	12	0.47	0.18	0.44
(3,1167)	1:225:A:VAL:HG23	1:221:A:ASN:HD21	12	0.46	0.19	0.52
(3,1167)	1:225:A:VAL:HG21	1:221:A:ASN:HD21	12	0.46	0.19	0.52
(3,1167)	1:225:A:VAL:HG22	1:221:A:ASN:HD21	12	0.46	0.19	0.52
(3,1168)	1:225:B:VAL:HG23	1:221:B:ASN:HD21	12	0.45	0.18	0.52
(3,1168)	1:225:B:VAL:HG21	1:221:B:ASN:HD21	12	0.45	0.18	0.52
(3,1168)	1:225:B:VAL:HG22	1:221:B:ASN:HD21	12	0.45	0.18	0.52
(1,767)	1:256:A:GLU:HG2	1:252:A:LYS:HG3	12	0.38	0.17	0.34
(1,767)	1:256:A:GLU:HG3	1:252:A:LYS:HG3	12	0.38	0.17	0.34
(1,768)	1:256:B:GLU:HG2	1:252:B:LYS:HG3	12	0.38	0.17	0.34
(1,768)	1:256:B:GLU:HG3	1:252:B:LYS:HG3	12	0.38	0.17	0.34
(1,529)	1:251:A:MET:HE1	1:248:A:PHE:H	12	0.37	0.22	0.3
(1,529)	1:251:A:MET:HE2	1:248:A:PHE:H	12	0.37	0.22	0.3
(1,529)	1:251:A:MET:HE2	1:255:B:PHE:H	12	0.37	0.22	0.3
(1,529)	1:251:A:MET:HE3	1:248:A:PHE:H	12	0.37	0.22	0.3
(1,530)	1:251:B:MET:HE1	1:248:B:PHE:H	12	0.37	0.22	0.3

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,530)	1:251:B:MET:HE2	1:248:B:PHE:H	12	0.37	0.22	0.3
(1,530)	1:251:B:MET:HE2	1:255:A:PHE:H	12	0.37	0.22	0.3
(1,530)	1:251:B:MET:HE3	1:248:B:PHE:H	12	0.37	0.22	0.3
(1,523)	1:251:A:MET:HE1	1:248:A:PHE:HA	12	0.36	0.16	0.34
(1,523)	1:251:A:MET:HE2	1:248:A:PHE:HA	12	0.36	0.16	0.34
(1,523)	1:251:A:MET:HE3	1:248:A:PHE:HA	12	0.36	0.16	0.34
(1,523)	1:251:A:MET:HE3	1:248:B:PHE:HA	12	0.36	0.16	0.34
(1,524)	1:251:B:MET:HE1	1:248:B:PHE:HA	12	0.36	0.16	0.34
(1,524)	1:251:B:MET:HE2	1:248:B:PHE:HA	12	0.36	0.16	0.34
(1,524)	1:251:B:MET:HE3	1:248:B:PHE:HA	12	0.36	0.16	0.34
(1,524)	1:251:B:MET:HE3	1:248:A:PHE:HA	12	0.36	0.16	0.34
(3,1867)	1:225:A:VAL:HG23	1:224:A:GLU:HB3	12	0.26	0.08	0.26
(3,1867)	1:225:A:VAL:HG21	1:224:A:GLU:HB3	12	0.26	0.08	0.26
(3,1867)	1:225:A:VAL:HG22	1:224:A:GLU:HB3	12	0.26	0.08	0.26
(3,1868)	1:225:B:VAL:HG23	1:224:B:GLU:HB3	12	0.26	0.08	0.26
(3,1868)	1:225:B:VAL:HG21	1:224:B:GLU:HB3	12	0.26	0.08	0.26
(3,1868)	1:225:B:VAL:HG22	1:224:B:GLU:HB3	12	0.26	0.08	0.26
(1,2040)	1:250:B:LYS:HE3	1:250:B:LYS:HB3	12	0.21	0.05	0.2
(1,2040)	1:250:B:LYS:HE3	1:250:B:LYS:HB2	12	0.21	0.05	0.2
(1,2040)	1:250:B:LYS:HE2	1:250:B:LYS:HB2	12	0.21	0.05	0.2
(3,2740)	1:271:B:ARG:H	1:269:B:LEU:HA	12	0.13	0.02	0.12
(3,2614)	1:270:B:ARG:HB3	1:270:B:ARG:H	11	0.9	0.01	0.9
(3,2613)	1:270:A:ARG:HB3	1:270:A:ARG:H	11	0.9	0.01	0.9
(1,1364)	1:216:B:LEU:HD13	1:217:A:GLN:HG3	11	0.77	0.33	0.65
(1,1364)	1:214:B:GLU:HG2	1:210:B:LEU:HD12	11	0.77	0.33	0.65
(1,1364)	1:216:B:LEU:HD11	1:217:A:GLN:HG3	11	0.77	0.33	0.65
(1,1364)	1:214:B:GLU:HG2	1:210:B:LEU:HD11	11	0.77	0.33	0.65
(1,1364)	1:214:B:GLU:HG2	1:210:B:LEU:HD13	11	0.77	0.33	0.65
(1,1363)	1:216:A:LEU:HD13	1:217:B:GLN:HG3	11	0.77	0.33	0.62
(1,1363)	1:214:A:GLU:HG2	1:210:A:LEU:HD12	11	0.77	0.33	0.62
(1,1363)	1:216:A:LEU:HD11	1:217:B:GLN:HG3	11	0.77	0.33	0.62
(1,1363)	1:214:A:GLU:HG2	1:210:A:LEU:HD11	11	0.77	0.33	0.62
(1,1363)	1:214:A:GLU:HG2	1:210:A:LEU:HD13	11	0.77	0.33	0.62
(1,1959)	1:256:A:GLU:HG2	1:252:A:LYS:HE3	11	0.43	0.19	0.44
(1,1959)	1:256:A:GLU:HG3	1:252:A:LYS:HE3	11	0.43	0.19	0.44
(1,1959)	1:252:A:LYS:HE2	1:247:B:ASP:HB2	11	0.43	0.19	0.44
(1,1960)	1:252:B:LYS:HE2	1:247:A:ASP:HB2	11	0.42	0.19	0.43
(1,1960)	1:256:B:GLU:HG2	1:252:B:LYS:HE3	11	0.42	0.19	0.43
(1,1960)	1:256:B:GLU:HG3	1:252:B:LYS:HE3	11	0.42	0.19	0.43
(3,282)	1:222:B:SER:HB2	1:223:B:LEU:H	11	0.28	0.05	0.27
(3,281)	1:222:A:SER:HB2	1:223:A:LEU:H	11	0.27	0.05	0.28
(1,2039)	1:250:A:LYS:HE3	1:250:A:LYS:HB2	11	0.21	0.04	0.2

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2039)	1:250:A:LYS:HE2	1:250:A:LYS:HB2	11	0.21	0.04	0.2
(1,2218)	1:258:B:LEU:HD21	1:261:A:GLU:HB2	11	0.21	0.06	0.2
(1,2218)	1:258:B:LEU:HD23	1:261:A:GLU:HB2	11	0.21	0.06	0.2
(1,2218)	1:258:B:LEU:HD22	1:261:A:GLU:HB2	11	0.21	0.06	0.2
(1,2217)	1:258:A:LEU:HD21	1:261:B:GLU:HB2	11	0.2	0.06	0.19
(1,2217)	1:258:A:LEU:HD23	1:261:B:GLU:HB2	11	0.2	0.06	0.19
(1,2217)	1:258:A:LEU:HD22	1:261:B:GLU:HB2	11	0.2	0.06	0.19
(3,1384)	1:258:B:LEU:HA	1:258:B:LEU:HD11	11	0.11	0.01	0.11
(3,1384)	1:258:B:LEU:HA	1:258:B:LEU:HD12	11	0.11	0.01	0.11
(3,1384)	1:258:B:LEU:HA	1:258:B:LEU:HD13	11	0.11	0.01	0.11
(3,1383)	1:258:A:LEU:HA	1:258:A:LEU:HD11	11	0.11	0.01	0.11
(3,1383)	1:258:A:LEU:HA	1:258:A:LEU:HD12	11	0.11	0.01	0.11
(3,1383)	1:258:A:LEU:HA	1:258:A:LEU:HD13	11	0.11	0.01	0.11
(1,136)	1:255:B:PHE:HE2	1:251:A:MET:HE3	10	0.92	0.2	0.92
(1,136)	1:255:B:PHE:HE1	1:251:A:MET:HE2	10	0.92	0.2	0.92
(1,136)	1:255:B:PHE:HE2	1:251:A:MET:HE2	10	0.92	0.2	0.92
(1,136)	1:251:B:MET:HE2	1:255:B:PHE:HE1	10	0.92	0.2	0.92
(1,136)	1:255:B:PHE:HE1	1:251:A:MET:HE3	10	0.92	0.2	0.92
(1,136)	1:255:B:PHE:HE1	1:251:A:MET:HE1	10	0.92	0.2	0.92
(1,136)	1:251:B:MET:HE3	1:255:B:PHE:HE1	10	0.92	0.2	0.92
(1,136)	1:251:B:MET:HE1	1:255:B:PHE:HE1	10	0.92	0.2	0.92
(1,135)	1:255:A:PHE:HE2	1:251:B:MET:HE3	10	0.92	0.21	0.91
(1,135)	1:255:A:PHE:HE2	1:251:B:MET:HE1	10	0.92	0.21	0.91
(1,135)	1:255:A:PHE:HE2	1:251:B:MET:HE2	10	0.92	0.21	0.91
(1,135)	1:251:A:MET:HE2	1:255:A:PHE:HE1	10	0.92	0.21	0.91
(1,135)	1:255:A:PHE:HE1	1:251:B:MET:HE3	10	0.92	0.21	0.91
(1,135)	1:255:A:PHE:HE1	1:251:B:MET:HE1	10	0.92	0.21	0.91
(1,135)	1:251:A:MET:HE3	1:255:A:PHE:HE1	10	0.92	0.21	0.91
(1,135)	1:251:A:MET:HE1	1:255:A:PHE:HE1	10	0.92	0.21	0.91
(1,1797)	1:239:A:GLU:HG3	1:243:A:ARG:HD2	10	0.86	0.43	0.94
(1,1797)	1:239:A:GLU:HG3	1:243:A:ARG:HD3	10	0.86	0.43	0.94
(1,1798)	1:239:B:GLU:HG3	1:243:B:ARG:HD2	10	0.85	0.43	0.93
(1,1798)	1:239:B:GLU:HG3	1:243:B:ARG:HD3	10	0.85	0.43	0.93
(3,1298)	1:269:B:LEU:HD23	1:273:B:GLN:HE22	10	0.71	0.35	0.67
(3,1298)	1:269:B:LEU:HD22	1:273:B:GLN:HE22	10	0.71	0.35	0.67
(3,1298)	1:269:B:LEU:HD21	1:273:B:GLN:HE22	10	0.71	0.35	0.67
(3,1297)	1:269:A:LEU:HD23	1:273:A:GLN:HE22	10	0.71	0.36	0.67
(3,1297)	1:269:A:LEU:HD22	1:273:A:GLN:HE22	10	0.71	0.36	0.67
(3,1297)	1:269:A:LEU:HD21	1:273:A:GLN:HE22	10	0.71	0.36	0.67
(3,1894)	1:222:B:SER:HB2	1:219:B:LYS:HG2	10	0.69	0.13	0.7
(3,1893)	1:222:A:SER:HB2	1:219:A:LYS:HG2	10	0.68	0.13	0.7
(1,37)	1:210:A:LEU:HD23	1:209:B:LEU:HB3	10	0.6	0.35	0.57

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,37)	1:210:A:LEU:HD21	1:210:B:LEU:HB2	10	0.6	0.35	0.57
(1,37)	1:210:A:LEU:HD22	1:209:B:LEU:HB3	10	0.6	0.35	0.57
(1,37)	1:210:A:LEU:HD22	1:210:B:LEU:HB2	10	0.6	0.35	0.57
(1,948)	1:273:B:GLN:HA	1:269:B:LEU:HD22	10	0.56	0.32	0.56
(1,948)	1:273:B:GLN:HA	1:269:B:LEU:HD23	10	0.56	0.32	0.56
(1,948)	1:273:B:GLN:HA	1:269:B:LEU:HD21	10	0.56	0.32	0.56
(1,947)	1:273:A:GLN:HA	1:269:A:LEU:HD22	10	0.56	0.32	0.55
(1,947)	1:273:A:GLN:HA	1:269:A:LEU:HD23	10	0.56	0.32	0.55
(1,947)	1:273:A:GLN:HA	1:269:A:LEU:HD21	10	0.56	0.32	0.55
(1,623)	1:264:A:GLU:HG3	1:268:A:LYS:HD2	10	0.54	0.15	0.51
(1,623)	1:264:A:GLU:HG3	1:268:A:LYS:HG3	10	0.54	0.15	0.51
(1,624)	1:264:B:GLU:HG3	1:268:B:LYS:HD2	10	0.54	0.15	0.51
(1,624)	1:264:B:GLU:HG3	1:268:B:LYS:HG3	10	0.54	0.15	0.51
(1,251)	1:263:A:SER:HB3	1:258:B:LEU:HD22	10	0.5	0.14	0.44
(1,251)	1:263:A:SER:HB3	1:262:A:LEU:HD11	10	0.5	0.14	0.44
(1,251)	1:263:A:SER:HB3	1:262:A:LEU:HD12	10	0.5	0.14	0.44
(1,251)	1:222:A:SER:HB2	1:223:A:LEU:HD21	10	0.5	0.14	0.44
(1,251)	1:263:A:SER:HB3	1:258:B:LEU:HD21	10	0.5	0.14	0.44
(1,251)	1:263:A:SER:HB3	1:262:A:LEU:HD13	10	0.5	0.14	0.44
(1,551)	1:251:A:MET:HG3	1:255:A:PHE:HB2	10	0.49	0.15	0.55
(1,252)	1:263:B:SER:HB3	1:258:A:LEU:HD22	10	0.49	0.15	0.42
(1,252)	1:263:B:SER:HB3	1:262:B:LEU:HD12	10	0.49	0.15	0.42
(1,252)	1:222:B:SER:HB2	1:223:B:LEU:HD21	10	0.49	0.15	0.42
(1,252)	1:263:B:SER:HB3	1:258:A:LEU:HD21	10	0.49	0.15	0.42
(1,252)	1:263:B:SER:HB3	1:262:B:LEU:HD13	10	0.49	0.15	0.42
(3,1007)	1:218:A:GLN:HB3	1:218:A:GLN:H	10	0.48	0.01	0.48
(3,1008)	1:218:B:GLN:HB3	1:218:B:GLN:H	10	0.48	0.01	0.48
(3,2181)	1:251:A:MET:HB3	1:251:A:MET:H	10	0.46	0.03	0.47
(3,2182)	1:251:B:MET:HB3	1:251:B:MET:H	10	0.46	0.03	0.47
(1,1649)	1:267:A:GLN:HB3	1:271:A:ARG:HG3	10	0.41	0.16	0.34
(1,1650)	1:267:B:GLN:HB3	1:271:B:ARG:HG3	10	0.41	0.16	0.34
(3,2391)	1:272:A:GLN:HB3	1:272:A:GLN:H	10	0.34	0.08	0.32
(3,2392)	1:272:B:GLN:HB3	1:272:B:GLN:H	10	0.34	0.08	0.32
(1,572)	1:257:B:THR:HG21	1:266:A:GLN:HE22	10	0.3	0.13	0.26
(1,572)	1:257:B:THR:HG23	1:254:B:ASN:HD22	10	0.3	0.13	0.26
(1,572)	1:257:B:THR:HG22	1:254:B:ASN:HD22	10	0.3	0.13	0.26
(1,572)	1:257:B:THR:HG21	1:254:B:ASN:HD22	10	0.3	0.13	0.26
(1,572)	1:257:B:THR:HG22	1:266:A:GLN:HE22	10	0.3	0.13	0.26
(1,572)	1:257:B:THR:HG23	1:266:A:GLN:HE22	10	0.3	0.13	0.26
(1,571)	1:257:A:THR:HG21	1:266:B:GLN:HE22	10	0.3	0.13	0.25
(1,571)	1:257:A:THR:HG23	1:254:A:ASN:HD22	10	0.3	0.13	0.25
(1,571)	1:257:A:THR:HG22	1:254:A:ASN:HD22	10	0.3	0.13	0.25

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,571)	1:257:A:THR:HG21	1:254:A:ASN:HD22	10	0.3	0.13	0.25
(1,571)	1:257:A:THR:HG22	1:266:B:GLN:HE22	10	0.3	0.13	0.25
(1,571)	1:257:A:THR:HG23	1:266:B:GLN:HE22	10	0.3	0.13	0.25
(3,1684)	1:240:B:ARG:HG3	1:240:B:ARG:H	10	0.2	0.06	0.18
(3,1683)	1:240:A:ARG:HG3	1:240:A:ARG:H	10	0.2	0.06	0.18
(1,1834)	1:240:B:ARG:HD2	1:241:A:LEU:HD22	10	0.19	0.05	0.18
(1,1834)	1:240:B:ARG:HD2	1:241:A:LEU:HD23	10	0.19	0.05	0.18
(1,1834)	1:244:B:ILE:HD13	1:240:B:ARG:HD2	10	0.19	0.05	0.18
(1,1834)	1:244:B:ILE:HD11	1:240:B:ARG:HD2	10	0.19	0.05	0.18
(1,1834)	1:244:B:ILE:HD12	1:240:B:ARG:HD2	10	0.19	0.05	0.18
(1,2293)	1:210:A:LEU:HD12	1:211:A:ALA:H	10	0.18	0.05	0.17
(1,2293)	1:210:A:LEU:HD11	1:211:A:ALA:H	10	0.18	0.05	0.17
(1,2293)	1:210:A:LEU:HD13	1:211:A:ALA:H	10	0.18	0.05	0.17
(1,2294)	1:210:B:LEU:HD12	1:211:B:ALA:H	10	0.18	0.05	0.17
(1,2294)	1:210:B:LEU:HD11	1:211:B:ALA:H	10	0.18	0.05	0.17
(1,2294)	1:210:B:LEU:HD13	1:211:B:ALA:H	10	0.18	0.05	0.17
(3,2616)	1:270:B:ARG:HG2	1:270:B:ARG:H	9	1.06	0.11	1.04
(3,2615)	1:270:A:ARG:HG2	1:270:A:ARG:H	9	1.06	0.11	1.04
(3,1305)	1:258:A:LEU:HD13	1:254:A:ASN:HD21	9	0.87	0.16	0.86
(3,1305)	1:258:A:LEU:HD11	1:254:A:ASN:HD21	9	0.87	0.16	0.86
(3,1305)	1:258:A:LEU:HD12	1:254:A:ASN:HD21	9	0.87	0.16	0.86
(3,1306)	1:258:B:LEU:HD13	1:254:B:ASN:HD21	9	0.87	0.16	0.87
(3,1306)	1:258:B:LEU:HD11	1:254:B:ASN:HD21	9	0.87	0.16	0.87
(3,1306)	1:258:B:LEU:HD12	1:254:B:ASN:HD21	9	0.87	0.16	0.87
(3,860)	1:251:B:MET:HB3	1:248:B:PHE:HA	9	0.68	0.12	0.7
(3,859)	1:251:A:MET:HB3	1:248:A:PHE:HA	9	0.68	0.12	0.7
(1,1300)	1:258:B:LEU:HD11	1:255:A:PHE:HE2	9	0.67	0.21	0.65
(1,1300)	1:258:B:LEU:HD12	1:255:A:PHE:HZ	9	0.67	0.21	0.65
(1,1300)	1:258:B:LEU:HD12	1:255:A:PHE:HE1	9	0.67	0.21	0.65
(1,1300)	1:258:B:LEU:HD11	1:255:A:PHE:HE1	9	0.67	0.21	0.65
(1,1300)	1:258:B:LEU:HD12	1:255:A:PHE:HE2	9	0.67	0.21	0.65
(1,1300)	1:258:B:LEU:HD13	1:255:A:PHE:HE1	9	0.67	0.21	0.65
(1,1299)	1:258:A:LEU:HD11	1:255:B:PHE:HE2	9	0.67	0.2	0.68
(1,1299)	1:258:A:LEU:HD12	1:255:B:PHE:HZ	9	0.67	0.2	0.68
(1,1299)	1:258:A:LEU:HD12	1:255:B:PHE:HE1	9	0.67	0.2	0.68
(1,1299)	1:258:A:LEU:HD11	1:255:B:PHE:HE1	9	0.67	0.2	0.68
(1,1299)	1:258:A:LEU:HD12	1:255:B:PHE:HE2	9	0.67	0.2	0.68
(1,1299)	1:258:A:LEU:HD13	1:255:B:PHE:HE1	9	0.67	0.2	0.68
(1,38)	1:210:B:LEU:HD23	1:209:A:LEU:HB3	9	0.65	0.31	0.58
(1,38)	1:210:B:LEU:HD21	1:210:A:LEU:HB2	9	0.65	0.31	0.58
(1,38)	1:210:B:LEU:HD22	1:209:A:LEU:HB3	9	0.65	0.31	0.58
(1,38)	1:210:B:LEU:HD22	1:210:A:LEU:HB2	9	0.65	0.31	0.58

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,625)	1:214:A:GLU:HG2	1:210:A:LEU:HD11	9	0.62	0.26	0.59
(1,625)	1:214:A:GLU:HG2	1:210:A:LEU:HD12	9	0.62	0.26	0.59
(1,625)	1:214:A:GLU:HG2	1:210:A:LEU:HD13	9	0.62	0.26	0.59
(1,626)	1:214:B:GLU:HG2	1:210:B:LEU:HD11	9	0.62	0.26	0.58
(1,626)	1:214:B:GLU:HG2	1:210:B:LEU:HD12	9	0.62	0.26	0.58
(1,626)	1:214:B:GLU:HG2	1:210:B:LEU:HD13	9	0.62	0.26	0.58
(1,552)	1:251:B:MET:HG3	1:255:B:PHE:HB2	9	0.53	0.09	0.57
(1,2037)	1:250:A:LYS:HE3	1:249:A:VAL:HA	9	0.42	0.15	0.47
(1,2037)	1:250:A:LYS:HE2	1:249:A:VAL:HA	9	0.42	0.15	0.47
(1,2038)	1:250:B:LYS:HE3	1:249:B:VAL:HA	9	0.42	0.15	0.47
(1,2038)	1:250:B:LYS:HE2	1:249:B:VAL:HA	9	0.42	0.15	0.47
(3,535)	1:251:A:MET:HB2	1:251:A:MET:HE1	9	0.38	0.13	0.34
(3,535)	1:251:A:MET:HB2	1:251:A:MET:HE2	9	0.38	0.13	0.34
(3,535)	1:251:A:MET:HB2	1:251:A:MET:HE3	9	0.38	0.13	0.34
(3,536)	1:251:B:MET:HB2	1:251:B:MET:HE1	9	0.38	0.13	0.35
(3,536)	1:251:B:MET:HB2	1:251:B:MET:HE2	9	0.38	0.13	0.35
(3,536)	1:251:B:MET:HB2	1:251:B:MET:HE3	9	0.38	0.13	0.35
(1,1833)	1:240:A:ARG:HD2	1:241:B:LEU:HD22	9	0.19	0.05	0.19
(1,1833)	1:240:A:ARG:HD2	1:241:B:LEU:HD23	9	0.19	0.05	0.19
(1,1833)	1:244:A:ILE:HD13	1:240:A:ARG:HD2	9	0.19	0.05	0.19
(1,1833)	1:244:A:ILE:HD11	1:240:A:ARG:HD2	9	0.19	0.05	0.19
(1,1833)	1:244:A:ILE:HD12	1:240:A:ARG:HD2	9	0.19	0.05	0.19
(1,1833)	1:240:A:ARG:HD2	1:241:B:LEU:HD21	9	0.19	0.05	0.19
(1,1628)	1:271:B:ARG:HD2	1:272:B:GLN:HG2	8	1.1	0.57	1.25
(1,1628)	1:271:B:ARG:HD2	1:272:A:GLN:HG3	8	1.1	0.57	1.25
(1,1628)	1:271:B:ARG:HD3	1:272:A:GLN:HG3	8	1.1	0.57	1.25
(1,1628)	1:271:B:ARG:HD3	1:272:B:GLN:HG3	8	1.1	0.57	1.25
(1,1628)	1:271:B:ARG:HD2	1:272:B:GLN:HG3	8	1.1	0.57	1.25
(1,1627)	1:271:A:ARG:HD2	1:272:A:GLN:HG2	8	1.08	0.58	1.22
(1,1627)	1:271:A:ARG:HD2	1:272:B:GLN:HG3	8	1.08	0.58	1.22
(1,1627)	1:271:A:ARG:HD3	1:272:B:GLN:HG3	8	1.08	0.58	1.22
(1,1627)	1:271:A:ARG:HD3	1:272:A:GLN:HG3	8	1.08	0.58	1.22
(1,1627)	1:271:A:ARG:HD2	1:272:A:GLN:HG3	8	1.08	0.58	1.22
(3,528)	1:251:B:MET:HG3	1:248:B:PHE:HA	8	0.85	0.03	0.84
(3,527)	1:251:A:MET:HG3	1:248:A:PHE:HA	8	0.85	0.03	0.84
(3,1391)	1:258:A:LEU:HD11	1:261:A:GLU:HG2	8	0.64	0.23	0.7
(3,1391)	1:258:A:LEU:HD12	1:261:A:GLU:HG2	8	0.64	0.23	0.7
(3,1391)	1:258:A:LEU:HD13	1:261:A:GLU:HG2	8	0.64	0.23	0.7
(3,1392)	1:258:B:LEU:HD11	1:261:B:GLU:HG2	8	0.64	0.23	0.7
(3,1392)	1:258:B:LEU:HD12	1:261:B:GLU:HG2	8	0.64	0.23	0.7
(3,1392)	1:258:B:LEU:HD13	1:261:B:GLU:HG2	8	0.64	0.23	0.7
(3,2063)	1:275:A:ASN:HB3	1:275:A:ASN:H	8	0.63	0.05	0.62

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,2064)	1:275:B:ASN:HB3	1:275:B:ASN:H	8	0.62	0.05	0.62
(3,681)	1:212:A:GLU:HG3	1:211:A:ALA:HB3	8	0.44	0.3	0.3
(3,681)	1:212:A:GLU:HG3	1:211:A:ALA:HB1	8	0.44	0.3	0.3
(3,681)	1:212:A:GLU:HG3	1:211:A:ALA:HB2	8	0.44	0.3	0.3
(1,1355)	1:269:A:LEU:HD12	1:268:B:LYS:HE3	8	0.37	0.16	0.34
(1,1355)	1:269:A:LEU:HD11	1:268:B:LYS:HE3	8	0.37	0.16	0.34
(1,1355)	1:269:A:LEU:HD12	1:268:B:LYS:HE2	8	0.37	0.16	0.34
(1,1420)	1:258:B:LEU:HD21	1:255:A:PHE:HD2	8	0.36	0.2	0.34
(1,1420)	1:258:B:LEU:HD21	1:255:A:PHE:HD1	8	0.36	0.2	0.34
(1,1420)	1:258:B:LEU:HD22	1:255:A:PHE:HD2	8	0.36	0.2	0.34
(1,1420)	1:258:B:LEU:HD23	1:255:A:PHE:HD1	8	0.36	0.2	0.34
(1,1420)	1:258:B:LEU:HD23	1:255:A:PHE:HD2	8	0.36	0.2	0.34
(1,1420)	1:258:B:LEU:HD22	1:255:A:PHE:HD1	8	0.36	0.2	0.34
(1,1356)	1:269:B:LEU:HD12	1:268:A:LYS:HE3	8	0.33	0.15	0.34
(1,1356)	1:269:B:LEU:HD11	1:268:A:LYS:HE3	8	0.33	0.15	0.34
(1,369)	1:221:A:ASN:HB3	1:217:A:GLN:HG2	8	0.27	0.09	0.28
(1,369)	1:221:A:ASN:HB3	1:224:A:GLU:HB3	8	0.27	0.09	0.28
(1,370)	1:221:B:ASN:HB3	1:217:B:GLN:HG2	8	0.27	0.09	0.28
(1,370)	1:221:B:ASN:HB3	1:224:B:GLU:HB3	8	0.27	0.09	0.28
(3,939)	1:266:A:GLN:HG3	1:262:A:LEU:HG	8	0.26	0.07	0.26
(3,940)	1:266:B:GLN:HG3	1:262:B:LEU:HG	8	0.25	0.07	0.26
(3,1443)	1:241:A:LEU:HD23	1:240:B:ARG:HG2	8	0.25	0.11	0.2
(3,1443)	1:241:A:LEU:HD21	1:240:B:ARG:HG2	8	0.25	0.11	0.2
(3,1443)	1:241:A:LEU:HD22	1:240:B:ARG:HG2	8	0.25	0.11	0.2
(3,1465)	1:241:A:LEU:HD23	1:245:A:THR:H	8	0.22	0.09	0.19
(3,1465)	1:241:A:LEU:HD22	1:245:A:THR:H	8	0.22	0.09	0.19
(3,1465)	1:241:A:LEU:HD21	1:245:A:THR:H	8	0.22	0.09	0.19
(3,1466)	1:241:B:LEU:HD23	1:245:B:THR:H	8	0.22	0.1	0.19
(3,1466)	1:241:B:LEU:HD22	1:245:B:THR:H	8	0.22	0.1	0.19
(3,1466)	1:241:B:LEU:HD21	1:245:B:THR:H	8	0.22	0.1	0.19
(1,1351)	1:259:A:ARG:HA	1:262:A:LEU:HD23	8	0.22	0.09	0.2
(1,1351)	1:259:A:ARG:HA	1:262:A:LEU:HD21	8	0.22	0.09	0.2
(1,1351)	1:259:A:ARG:HA	1:262:A:LEU:HD22	8	0.22	0.09	0.2
(3,1389)	1:258:A:LEU:HD21	1:259:B:ARG:HA	8	0.18	0.05	0.19
(3,1389)	1:258:A:LEU:HD22	1:259:B:ARG:HA	8	0.18	0.05	0.19
(3,1389)	1:258:A:LEU:HD23	1:259:B:ARG:HA	8	0.18	0.05	0.19
(1,347)	1:227:A:ALA:HB1	1:230:B:LEU:HG	8	0.16	0.03	0.16
(1,347)	1:227:A:ALA:HB2	1:230:B:LEU:HG	8	0.16	0.03	0.16
(1,347)	1:227:A:ALA:HB3	1:230:B:LEU:HG	8	0.16	0.03	0.16
(1,348)	1:227:B:ALA:HB1	1:230:A:LEU:HG	8	0.15	0.02	0.15
(1,348)	1:227:B:ALA:HB2	1:230:A:LEU:HG	8	0.15	0.02	0.15
(1,348)	1:227:B:ALA:HB3	1:230:A:LEU:HG	8	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)
(3,1546)	1:223:B:LEU:HD21	1:224:A:GLU:HA	8	0.11	0.01	0.11
(3,1546)	1:223:B:LEU:HD22	1:224:A:GLU:HA	8	0.11	0.01	0.11
(3,1546)	1:223:B:LEU:HD23	1:224:A:GLU:HA	8	0.11	0.01	0.11
(3,613)	1:214:A:GLU:HG2	1:210:A:LEU:HG	7	1.14	0.33	1.27
(3,614)	1:214:B:GLU:HG2	1:210:B:LEU:HG	7	1.13	0.33	1.29
(1,713)	1:212:A:GLU:HG3	1:208:A:ARG:HG3	7	0.89	0.62	0.78
(1,713)	1:212:A:GLU:HG3	1:208:A:ARG:HG2	7	0.89	0.62	0.78
(1,714)	1:212:B:GLU:HG3	1:208:B:ARG:HG3	7	0.88	0.63	0.77
(1,714)	1:212:B:GLU:HG3	1:208:B:ARG:HG2	7	0.88	0.63	0.77
(3,377)	1:234:A:ASN:HB2	1:233:B:PHE:HZ	7	0.74	0.28	0.69
(3,378)	1:234:B:ASN:HB2	1:233:A:PHE:HZ	7	0.72	0.28	0.67
(3,1601)	1:209:A:LEU:HD22	1:206:A:PHE:HA	7	0.68	0.17	0.73
(3,1601)	1:209:A:LEU:HD23	1:206:A:PHE:HA	7	0.68	0.17	0.73
(3,1601)	1:209:A:LEU:HD21	1:206:A:PHE:HA	7	0.68	0.17	0.73
(3,1602)	1:209:B:LEU:HD22	1:206:B:PHE:HA	7	0.68	0.17	0.73
(3,1602)	1:209:B:LEU:HD23	1:206:B:PHE:HA	7	0.68	0.17	0.73
(3,1602)	1:209:B:LEU:HD21	1:206:B:PHE:HA	7	0.68	0.17	0.73
(1,1418)	1:258:B:LEU:HD21	1:255:A:PHE:HZ	7	0.55	0.2	0.53
(1,1418)	1:258:B:LEU:HD21	1:255:A:PHE:HE1	7	0.55	0.2	0.53
(1,1418)	1:258:B:LEU:HD23	1:255:A:PHE:HE1	7	0.55	0.2	0.53
(1,1418)	1:258:B:LEU:HD21	1:255:A:PHE:HE2	7	0.55	0.2	0.53
(1,1417)	1:258:A:LEU:HD21	1:255:B:PHE:HZ	7	0.55	0.2	0.54
(1,1417)	1:258:A:LEU:HD21	1:255:B:PHE:HE1	7	0.55	0.2	0.54
(1,1417)	1:258:A:LEU:HD23	1:255:B:PHE:HE1	7	0.55	0.2	0.54
(1,1417)	1:258:A:LEU:HD21	1:255:B:PHE:HE2	7	0.55	0.2	0.54
(3,682)	1:212:B:GLU:HG3	1:211:B:ALA:HB3	7	0.48	0.29	0.31
(3,682)	1:212:B:GLU:HG3	1:211:B:ALA:HB1	7	0.48	0.29	0.31
(3,682)	1:212:B:GLU:HG3	1:211:B:ALA:HB2	7	0.48	0.29	0.31
(1,1419)	1:258:A:LEU:HD21	1:255:B:PHE:HD2	7	0.38	0.18	0.37
(1,1419)	1:258:A:LEU:HD21	1:255:B:PHE:HD1	7	0.38	0.18	0.37
(1,1419)	1:258:A:LEU:HD22	1:255:B:PHE:HD2	7	0.38	0.18	0.37
(1,1419)	1:258:A:LEU:HD23	1:255:B:PHE:HD2	7	0.38	0.18	0.37
(1,1419)	1:258:A:LEU:HD23	1:255:B:PHE:HD1	7	0.38	0.18	0.37
(1,1419)	1:258:A:LEU:HD22	1:255:B:PHE:HD1	7	0.38	0.18	0.37
(3,2400)	1:273:B:GLN:H	1:273:B:GLN:HB3	7	0.35	0.08	0.32
(3,2399)	1:273:A:GLN:H	1:273:A:GLN:HB3	7	0.34	0.08	0.31
(3,1444)	1:241:B:LEU:HD23	1:240:A:ARG:HG2	7	0.25	0.11	0.19
(3,1444)	1:241:B:LEU:HD21	1:240:A:ARG:HG2	7	0.25	0.11	0.19
(3,1444)	1:241:B:LEU:HD22	1:240:A:ARG:HG2	7	0.25	0.11	0.19
(1,1352)	1:259:B:ARG:HA	1:262:B:LEU:HD23	7	0.24	0.08	0.22
(1,1352)	1:259:B:ARG:HA	1:262:B:LEU:HD21	7	0.24	0.08	0.22
(1,1352)	1:259:B:ARG:HA	1:262:B:LEU:HD22	7	0.24	0.08	0.22

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,1390)	1:258:B:LEU:HD21	1:259:A:ARG:HA	7	0.2	0.04	0.23
(3,1390)	1:258:B:LEU:HD23	1:259:A:ARG:HA	7	0.2	0.04	0.23
(3,1390)	1:258:B:LEU:HD22	1:259:A:ARG:HA	7	0.2	0.04	0.23
(1,766)	1:256:B:GLU:HG2	1:252:B:LYS:HB2	7	0.2	0.09	0.17
(1,766)	1:256:B:GLU:HG3	1:252:B:LYS:HB2	7	0.2	0.09	0.17
(1,765)	1:256:A:GLU:HG2	1:252:A:LYS:HB2	7	0.2	0.1	0.17
(1,765)	1:256:A:GLU:HG3	1:252:A:LYS:HB2	7	0.2	0.1	0.17
(1,2276)	1:239:B:GLU:HA	1:242:B:ASP:H	7	0.17	0.04	0.17
(1,2275)	1:239:A:GLU:HA	1:242:A:ASP:H	7	0.17	0.04	0.16
(1,1415)	1:258:A:LEU:HD11	1:261:A:GLU:H	7	0.17	0.05	0.15
(1,1415)	1:258:A:LEU:HD13	1:261:A:GLU:H	7	0.17	0.05	0.15
(1,1415)	1:258:A:LEU:HD12	1:254:A:ASN:H	7	0.17	0.05	0.15
(1,1759)	1:259:A:ARG:HG2	1:257:A:THR:HG21	6	0.88	0.23	0.88
(1,1759)	1:259:A:ARG:HG2	1:257:A:THR:HG22	6	0.88	0.23	0.88
(1,1759)	1:259:A:ARG:HG3	1:260:A:THR:HG21	6	0.88	0.23	0.88
(1,1759)	1:259:A:ARG:HG2	1:257:A:THR:HG23	6	0.88	0.23	0.88
(1,1760)	1:259:B:ARG:HG2	1:257:B:THR:HG21	6	0.88	0.23	0.88
(1,1760)	1:259:B:ARG:HG2	1:257:B:THR:HG22	6	0.88	0.23	0.88
(1,1760)	1:259:B:ARG:HG3	1:260:B:THR:HG21	6	0.88	0.23	0.88
(1,1760)	1:259:B:ARG:HG2	1:257:B:THR:HG23	6	0.88	0.23	0.88
(1,843)	1:227:A:ALA:HA	1:226:A:GLU:HG3	6	0.85	0.08	0.86
(1,844)	1:227:B:ALA:HA	1:226:B:GLU:HG3	6	0.85	0.08	0.86
(3,329)	1:227:A:ALA:HA	1:226:A:GLU:HG3	6	0.71	0.07	0.72
(3,330)	1:227:B:ALA:HA	1:226:B:GLU:HG3	6	0.7	0.08	0.72
(3,1511)	1:226:A:GLU:HG3	1:230:A:LEU:HD13	6	0.7	0.1	0.72
(3,1511)	1:226:A:GLU:HG3	1:230:A:LEU:HD12	6	0.7	0.1	0.72
(3,1511)	1:226:A:GLU:HG3	1:230:A:LEU:HD11	6	0.7	0.1	0.72
(3,1512)	1:226:B:GLU:HG3	1:230:B:LEU:HD13	6	0.7	0.1	0.72
(3,1512)	1:226:B:GLU:HG3	1:230:B:LEU:HD12	6	0.7	0.1	0.72
(3,1512)	1:226:B:GLU:HG3	1:230:B:LEU:HD11	6	0.7	0.1	0.72
(1,757)	1:256:A:GLU:HG2	1:252:A:LYS:HE3	6	0.48	0.35	0.35
(1,757)	1:256:A:GLU:HG3	1:252:A:LYS:HE3	6	0.48	0.35	0.35
(1,758)	1:256:B:GLU:HG2	1:252:B:LYS:HE3	6	0.47	0.34	0.36
(1,758)	1:256:B:GLU:HG3	1:252:B:LYS:HE3	6	0.47	0.34	0.36
(3,1192)	1:247:B:ASP:HB3	1:244:B:ILE:HA	6	0.29	0.11	0.26
(3,1191)	1:247:A:ASP:HB3	1:244:A:ILE:HA	6	0.29	0.11	0.27
(3,750)	1:226:B:GLU:HG3	1:226:B:GLU:HB3	6	0.28	0.0	0.28
(3,749)	1:226:A:GLU:HG3	1:226:A:GLU:HB3	6	0.28	0.0	0.28
(3,1915)	1:216:A:LEU:HD23	1:217:B:GLN:HE22	6	0.28	0.09	0.3
(3,1915)	1:216:A:LEU:HD22	1:217:B:GLN:HE22	6	0.28	0.09	0.3
(3,1916)	1:216:B:LEU:HD23	1:217:A:GLN:HE22	6	0.28	0.1	0.31
(3,1916)	1:216:B:LEU:HD22	1:217:A:GLN:HE22	6	0.28	0.1	0.31

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,179)	1:255:A:PHE:HE2	1:258:B:LEU:HD21	6	0.26	0.15	0.21
(3,179)	1:255:A:PHE:HE1	1:258:B:LEU:HD21	6	0.26	0.15	0.21
(3,179)	1:255:A:PHE:HE1	1:258:B:LEU:HD23	6	0.26	0.15	0.21
(3,514)	1:251:B:MET:HE1	1:252:A:LYS:HA	6	0.25	0.14	0.23
(3,514)	1:251:B:MET:HE2	1:252:A:LYS:HA	6	0.25	0.14	0.23
(1,110)	1:255:B:PHE:HZ	1:258:A:LEU:HD21	6	0.24	0.09	0.23
(1,110)	1:255:B:PHE:HZ	1:258:A:LEU:HD23	6	0.24	0.09	0.23
(1,110)	1:255:B:PHE:HZ	1:258:A:LEU:HD22	6	0.24	0.09	0.23
(1,109)	1:255:A:PHE:HZ	1:258:B:LEU:HD21	6	0.24	0.08	0.23
(1,109)	1:255:A:PHE:HZ	1:258:B:LEU:HD23	6	0.24	0.08	0.23
(1,109)	1:255:A:PHE:HZ	1:258:B:LEU:HD22	6	0.24	0.08	0.23
(1,1292)	1:269:B:LEU:HD13	1:270:B:ARG:H	6	0.22	0.11	0.18
(1,1292)	1:269:B:LEU:HD12	1:270:B:ARG:H	6	0.22	0.11	0.18
(1,1292)	1:269:B:LEU:HD13	1:268:A:LYS:H	6	0.22	0.11	0.18
(1,2189)	1:256:A:GLU:HG2	1:258:B:LEU:HD21	6	0.2	0.05	0.23
(1,2189)	1:256:A:GLU:HG2	1:258:A:LEU:HD11	6	0.2	0.05	0.23
(1,2189)	1:256:A:GLU:HG2	1:258:B:LEU:HD23	6	0.2	0.05	0.23
(1,2189)	1:256:A:GLU:HG2	1:258:A:LEU:HD12	6	0.2	0.05	0.23
(1,2190)	1:256:B:GLU:HG2	1:258:A:LEU:HD21	6	0.2	0.05	0.2
(1,2190)	1:256:B:GLU:HG2	1:258:B:LEU:HD11	6	0.2	0.05	0.2
(1,2190)	1:256:B:GLU:HG2	1:258:A:LEU:HD23	6	0.2	0.05	0.2
(1,2190)	1:256:B:GLU:HG2	1:258:B:LEU:HD12	6	0.2	0.05	0.2
(1,1416)	1:258:B:LEU:HD11	1:261:B:GLU:H	6	0.18	0.05	0.18
(1,1416)	1:258:B:LEU:HD13	1:261:B:GLU:H	6	0.18	0.05	0.18
(1,1416)	1:258:B:LEU:HD12	1:254:B:ASN:H	6	0.18	0.05	0.18
(3,753)	1:226:A:GLU:HG2	1:226:A:GLU:HB2	6	0.15	0.0	0.15
(3,754)	1:226:B:GLU:HG2	1:226:B:GLU:HB2	6	0.15	0.0	0.15
(3,2741)	1:243:A:ARG:H	1:246:A:ASP:HB3	5	1.18	0.19	1.3
(3,2742)	1:243:B:ARG:H	1:246:B:ASP:HB3	5	1.18	0.19	1.3
(3,474)	1:246:B:ASP:HB3	1:243:B:ARG:HA	5	1.12	0.19	1.16
(3,473)	1:246:A:ASP:HB3	1:243:A:ARG:HA	5	1.12	0.18	1.14
(1,1576)	1:216:B:LEU:HD21	1:213:A:ASN:HD21	5	0.95	0.22	0.8
(1,1576)	1:216:B:LEU:HD23	1:213:A:ASN:HD21	5	0.95	0.22	0.8
(1,1576)	1:216:B:LEU:HD22	1:213:A:ASN:HD21	5	0.95	0.22	0.8
(1,1575)	1:216:A:LEU:HD21	1:213:B:ASN:HD21	5	0.95	0.2	0.81
(1,1575)	1:216:A:LEU:HD23	1:213:B:ASN:HD21	5	0.95	0.2	0.81
(1,1575)	1:216:A:LEU:HD22	1:213:B:ASN:HD21	5	0.95	0.2	0.81
(3,713)	1:239:A:GLU:HG3	1:243:A:ARG:HG3	5	0.88	0.18	0.92
(3,714)	1:239:B:GLU:HG3	1:243:B:ARG:HG3	5	0.87	0.17	0.89
(1,609)	1:245:A:THR:HG21	1:240:B:ARG:HD2	5	0.68	0.24	0.84
(1,609)	1:245:A:THR:HG22	1:250:A:LYS:HE3	5	0.68	0.24	0.84
(1,609)	1:245:A:THR:HG23	1:240:B:ARG:HD2	5	0.68	0.24	0.84

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,609)	1:245:A:THR:HG23	1:250:A:LYS:HE3	5	0.68	0.24	0.84
(1,610)	1:245:B:THR:HG21	1:240:A:ARG:HD2	5	0.68	0.24	0.85
(1,610)	1:245:B:THR:HG22	1:250:B:LYS:HE3	5	0.68	0.24	0.85
(1,610)	1:245:B:THR:HG23	1:240:A:ARG:HD2	5	0.68	0.24	0.85
(1,610)	1:245:B:THR:HG23	1:250:B:LYS:HE3	5	0.68	0.24	0.85
(1,1298)	1:216:B:LEU:HD13	1:213:A:ASN:HD21	5	0.63	0.15	0.57
(1,1298)	1:216:B:LEU:HD11	1:213:A:ASN:HD21	5	0.63	0.15	0.57
(1,1298)	1:216:B:LEU:HD12	1:213:A:ASN:HD21	5	0.63	0.15	0.57
(1,1297)	1:216:A:LEU:HD13	1:213:B:ASN:HD21	5	0.62	0.15	0.58
(1,1297)	1:216:A:LEU:HD11	1:213:B:ASN:HD21	5	0.62	0.15	0.58
(1,1297)	1:216:A:LEU:HD12	1:213:B:ASN:HD21	5	0.62	0.15	0.58
(1,1794)	1:246:B:ASP:HB3	1:243:B:ARG:HD2	5	0.59	0.22	0.63
(1,1794)	1:246:B:ASP:HB3	1:243:B:ARG:HD3	5	0.59	0.22	0.63
(1,1793)	1:246:A:ASP:HB3	1:243:A:ARG:HD2	5	0.59	0.22	0.63
(1,1793)	1:246:A:ASP:HB3	1:243:A:ARG:HD3	5	0.59	0.22	0.63
(1,1176)	1:244:B:ILE:HG21	1:243:B:ARG:HB2	5	0.55	0.14	0.53
(1,1176)	1:244:B:ILE:HG23	1:243:B:ARG:HB2	5	0.55	0.14	0.53
(1,1175)	1:244:A:ILE:HG21	1:243:A:ARG:HB2	5	0.55	0.13	0.53
(1,1175)	1:244:A:ILE:HG23	1:243:A:ARG:HB2	5	0.55	0.13	0.53
(3,973)	1:238:A:GLN:HG3	1:238:A:GLN:HA	5	0.54	0.03	0.55
(3,971)	1:238:A:GLN:HG3	1:233:B:PHE:HZ	5	0.53	0.3	0.45
(3,974)	1:238:B:GLN:HG3	1:238:B:GLN:HA	5	0.53	0.03	0.54
(3,972)	1:238:B:GLN:HG3	1:233:A:PHE:HZ	5	0.52	0.31	0.5
(1,1365)	1:212:A:GLU:HB3	1:216:A:LEU:HD12	5	0.51	0.14	0.51
(1,1365)	1:212:A:GLU:HB3	1:216:A:LEU:HD11	5	0.51	0.14	0.51
(1,1365)	1:212:A:GLU:HB3	1:216:A:LEU:HD13	5	0.51	0.14	0.51
(1,1366)	1:212:B:GLU:HB3	1:216:B:LEU:HD12	5	0.51	0.14	0.52
(1,1366)	1:212:B:GLU:HB3	1:216:B:LEU:HD11	5	0.51	0.14	0.52
(1,1366)	1:212:B:GLU:HB3	1:216:B:LEU:HD13	5	0.51	0.14	0.52
(1,1900)	1:268:B:LYS:HE3	1:269:A:LEU:HD23	5	0.5	0.23	0.66
(1,1900)	1:268:B:LYS:HE3	1:269:A:LEU:HD22	5	0.5	0.23	0.66
(1,1900)	1:268:B:LYS:HE2	1:269:A:LEU:HD23	5	0.5	0.23	0.66
(1,1900)	1:268:B:LYS:HE2	1:269:A:LEU:HD22	5	0.5	0.23	0.66
(1,1899)	1:268:A:LYS:HE3	1:269:B:LEU:HD23	5	0.49	0.22	0.62
(1,1899)	1:268:A:LYS:HE3	1:269:B:LEU:HD22	5	0.49	0.22	0.62
(1,1899)	1:268:A:LYS:HE2	1:269:B:LEU:HD23	5	0.49	0.22	0.62
(1,1899)	1:268:A:LYS:HE2	1:269:B:LEU:HD22	5	0.49	0.22	0.62
(1,1025)	1:218:A:GLN:HG2	1:215:A:SER:H	5	0.48	0.2	0.46
(1,1026)	1:218:B:GLN:HG2	1:215:B:SER:H	5	0.48	0.2	0.45
(1,1317)	1:243:A:ARG:HG2	1:242:A:ASP:HA	5	0.41	0.08	0.4
(1,1318)	1:243:B:ARG:HG2	1:242:B:ASP:HA	5	0.41	0.08	0.39
(1,969)	1:221:A:ASN:HB2	1:217:A:GLN:HG3	5	0.37	0.24	0.24

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,969)	1:213:A:ASN:HB3	1:217:A:GLN:HG2	5	0.37	0.24	0.24
(1,969)	1:221:A:ASN:HB2	1:217:A:GLN:HG2	5	0.37	0.24	0.24
(1,970)	1:221:B:ASN:HB2	1:217:B:GLN:HG3	5	0.37	0.24	0.24
(1,970)	1:213:B:ASN:HB3	1:217:B:GLN:HG2	5	0.37	0.24	0.24
(1,970)	1:221:B:ASN:HB2	1:217:B:GLN:HG2	5	0.37	0.24	0.24
(3,2102)	1:213:B:ASN:HB3	1:213:B:ASN:H	5	0.3	0.02	0.31
(3,2101)	1:213:A:ASN:HB3	1:213:A:ASN:H	5	0.3	0.01	0.3
(3,180)	1:255:B:PHE:HE2	1:258:A:LEU:HD21	5	0.29	0.14	0.23
(3,180)	1:255:B:PHE:HE1	1:258:A:LEU:HD21	5	0.29	0.14	0.23
(3,180)	1:255:B:PHE:HE1	1:258:A:LEU:HD23	5	0.29	0.14	0.23
(3,513)	1:251:A:MET:HE2	1:252:B:LYS:HA	5	0.28	0.13	0.34
(3,513)	1:251:A:MET:HE1	1:252:B:LYS:HA	5	0.28	0.13	0.34
(1,343)	1:227:A:ALA:HB3	1:226:B:GLU:HB3	5	0.26	0.08	0.3
(1,343)	1:227:A:ALA:HB1	1:226:B:GLU:HB3	5	0.26	0.08	0.3
(1,343)	1:227:A:ALA:HB2	1:226:A:GLU:HB3	5	0.26	0.08	0.3
(1,343)	1:227:A:ALA:HB2	1:226:B:GLU:HB3	5	0.26	0.08	0.3
(1,344)	1:227:B:ALA:HB3	1:226:A:GLU:HB3	5	0.26	0.08	0.31
(1,344)	1:227:B:ALA:HB1	1:226:A:GLU:HB3	5	0.26	0.08	0.31
(1,344)	1:227:B:ALA:HB2	1:226:B:GLU:HB3	5	0.26	0.08	0.31
(1,344)	1:227:B:ALA:HB2	1:226:A:GLU:HB3	5	0.26	0.08	0.31
(1,641)	1:264:A:GLU:HB2	1:269:B:LEU:HD12	5	0.26	0.13	0.22
(1,641)	1:264:A:GLU:HB2	1:269:B:LEU:HD11	5	0.26	0.13	0.22
(1,642)	1:264:B:GLU:HB2	1:269:A:LEU:HD12	5	0.26	0.13	0.18
(1,642)	1:264:B:GLU:HB2	1:269:A:LEU:HD11	5	0.26	0.13	0.18
(3,967)	1:218:A:GLN:HG2	1:218:A:GLN:H	5	0.25	0.08	0.3
(3,968)	1:218:B:GLN:HG2	1:218:B:GLN:H	5	0.25	0.08	0.29
(1,1151)	1:237:A:VAL:HG12	1:233:B:PHE:HZ	5	0.24	0.11	0.23
(1,1151)	1:237:A:VAL:HG11	1:233:B:PHE:HZ	5	0.24	0.11	0.23
(1,1291)	1:269:A:LEU:HD13	1:270:A:ARG:H	5	0.24	0.11	0.21
(1,1291)	1:269:A:LEU:HD12	1:270:A:ARG:H	5	0.24	0.11	0.21
(1,1152)	1:237:B:VAL:HG12	1:233:A:PHE:HZ	5	0.22	0.1	0.19
(1,1152)	1:237:B:VAL:HG11	1:233:A:PHE:HZ	5	0.22	0.1	0.19
(1,1761)	1:259:A:ARG:HG2	1:258:B:LEU:HD22	5	0.2	0.09	0.17
(1,1761)	1:259:A:ARG:HG3	1:258:B:LEU:HD21	5	0.2	0.09	0.17
(1,1761)	1:259:A:ARG:HG2	1:258:B:LEU:HD21	5	0.2	0.09	0.17
(1,1761)	1:259:A:ARG:HG2	1:258:B:LEU:HD23	5	0.2	0.09	0.17
(1,1791)	1:244:A:ILE:HG21	1:243:A:ARG:HB2	5	0.19	0.06	0.19
(1,1791)	1:244:A:ILE:HG23	1:243:A:ARG:HB2	5	0.19	0.06	0.19
(1,1791)	1:244:A:ILE:HD13	1:243:A:ARG:HB3	5	0.19	0.06	0.19
(1,1792)	1:244:B:ILE:HG21	1:243:B:ARG:HB2	5	0.19	0.07	0.19
(1,1792)	1:244:B:ILE:HG23	1:243:B:ARG:HB2	5	0.19	0.07	0.19
(1,1792)	1:244:B:ILE:HD13	1:243:B:ARG:HB3	5	0.19	0.07	0.19

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,788)	1:217:B:GLN:HA	1:216:A:LEU:HD12	5	0.18	0.09	0.13
(1,788)	1:217:B:GLN:HA	1:220:B:ILE:HG21	5	0.18	0.09	0.13
(1,788)	1:217:B:GLN:HA	1:216:A:LEU:HD11	5	0.18	0.09	0.13
(3,1263)	1:224:A:GLU:HB2	1:220:A:ILE:HG21	5	0.16	0.02	0.15
(3,1263)	1:224:A:GLU:HB2	1:220:A:ILE:HG22	5	0.16	0.02	0.15
(3,1264)	1:224:B:GLU:HB2	1:220:B:ILE:HG21	5	0.16	0.02	0.15
(3,1264)	1:224:B:GLU:HB2	1:220:B:ILE:HG22	5	0.16	0.02	0.15
(3,2052)	1:230:B:LEU:HD12	1:227:B:ALA:H	5	0.14	0.02	0.14
(3,2052)	1:230:B:LEU:HD13	1:227:B:ALA:H	5	0.14	0.02	0.14
(3,2052)	1:230:B:LEU:HD11	1:227:B:ALA:H	5	0.14	0.02	0.14
(3,2051)	1:230:A:LEU:HD12	1:227:A:ALA:H	5	0.13	0.02	0.14
(3,2051)	1:230:A:LEU:HD13	1:227:A:ALA:H	5	0.13	0.02	0.14
(3,2051)	1:230:A:LEU:HD11	1:227:A:ALA:H	5	0.13	0.02	0.14
(3,1128)	1:237:B:VAL:HG21	1:237:B:VAL:H	5	0.11	0.01	0.11
(3,1128)	1:237:B:VAL:HG23	1:237:B:VAL:H	5	0.11	0.01	0.11
(3,1128)	1:237:B:VAL:HG22	1:237:B:VAL:H	5	0.11	0.01	0.11
(3,314)	1:265:B:ALA:HB1	1:265:B:ALA:HA	5	0.1	0.0	0.1
(3,314)	1:265:B:ALA:HB3	1:265:B:ALA:HA	5	0.1	0.0	0.1
(1,976)	1:217:B:GLN:HG2	1:216:A:LEU:HD22	4	0.73	0.31	0.87
(1,976)	1:217:B:GLN:HG2	1:216:A:LEU:HD11	4	0.73	0.31	0.87
(1,976)	1:217:B:GLN:HG2	1:216:A:LEU:HD21	4	0.73	0.31	0.87
(1,975)	1:217:A:GLN:HG2	1:216:B:LEU:HD22	4	0.73	0.29	0.87
(1,975)	1:217:A:GLN:HG2	1:216:B:LEU:HD11	4	0.73	0.29	0.87
(1,975)	1:217:A:GLN:HG2	1:216:B:LEU:HD21	4	0.73	0.29	0.87
(1,203)	1:255:A:PHE:HZ	1:259:A:ARG:HG2	4	0.66	0.62	0.39
(1,204)	1:255:B:PHE:HZ	1:259:B:ARG:HG2	4	0.66	0.61	0.39
(1,1581)	1:216:A:LEU:HD22	1:217:B:GLN:HG2	4	0.53	0.25	0.64
(1,1581)	1:216:A:LEU:HD21	1:217:B:GLN:HG2	4	0.53	0.25	0.64
(1,1582)	1:216:B:LEU:HD22	1:217:A:GLN:HG2	4	0.53	0.22	0.63
(1,1582)	1:216:B:LEU:HD21	1:217:A:GLN:HG2	4	0.53	0.22	0.63
(1,1962)	1:252:B:LYS:HE2	1:251:B:MET:HB3	4	0.38	0.33	0.24
(1,1962)	1:252:B:LYS:HE3	1:251:B:MET:HB3	4	0.38	0.33	0.24
(1,1962)	1:219:B:LYS:HE3	1:224:A:GLU:HG2	4	0.38	0.33	0.24
(1,1961)	1:252:A:LYS:HE2	1:251:A:MET:HB3	4	0.38	0.32	0.24
(1,1961)	1:252:A:LYS:HE3	1:251:A:MET:HB3	4	0.38	0.32	0.24
(1,1961)	1:219:A:LYS:HE3	1:224:B:GLU:HG2	4	0.38	0.32	0.24
(1,77)	1:255:A:PHE:HD2	1:258:B:LEU:HD21	4	0.35	0.07	0.36
(1,77)	1:255:A:PHE:HD1	1:258:B:LEU:HD21	4	0.35	0.07	0.36
(1,77)	1:255:A:PHE:HD1	1:258:B:LEU:HD23	4	0.35	0.07	0.36
(1,667)	1:264:A:GLU:HG3	1:268:A:LYS:HE2	4	0.34	0.05	0.36
(1,668)	1:264:B:GLU:HG3	1:268:B:LYS:HE2	4	0.34	0.05	0.35
(1,78)	1:255:B:PHE:HD2	1:258:A:LEU:HD21	4	0.34	0.08	0.37

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,78)	1:255:B:PHE:HD1	1:258:A:LEU:HD21	4	0.34	0.08	0.37
(1,78)	1:255:B:PHE:HD1	1:258:A:LEU:HD23	4	0.34	0.08	0.37
(3,1222)	1:244:B:ILE:HG21	1:247:B:ASP:HB3	4	0.29	0.05	0.29
(3,1222)	1:244:B:ILE:HG22	1:247:B:ASP:HB3	4	0.29	0.05	0.29
(3,1222)	1:244:B:ILE:HG23	1:247:B:ASP:HB3	4	0.29	0.05	0.29
(1,2173)	1:259:A:ARG:HD3	1:256:A:GLU:HG2	4	0.29	0.14	0.26
(3,1221)	1:244:A:ILE:HG21	1:247:A:ASP:HB3	4	0.29	0.05	0.28
(3,1221)	1:244:A:ILE:HG22	1:247:A:ASP:HB3	4	0.29	0.05	0.28
(3,1221)	1:244:A:ILE:HG23	1:247:A:ASP:HB3	4	0.29	0.05	0.28
(1,2174)	1:259:B:ARG:HD3	1:256:B:GLU:HG2	4	0.28	0.14	0.24
(3,1917)	1:216:A:LEU:HD22	1:217:B:GLN:HE21	4	0.26	0.07	0.26
(3,1917)	1:216:A:LEU:HD21	1:217:B:GLN:HE21	4	0.26	0.07	0.26
(3,1918)	1:216:B:LEU:HD22	1:217:A:GLN:HE21	4	0.26	0.07	0.26
(3,1918)	1:216:B:LEU:HD21	1:217:A:GLN:HE21	4	0.26	0.07	0.26
(1,2187)	1:252:A:LYS:HG2	1:256:A:GLU:HG2	4	0.21	0.07	0.19
(1,2187)	1:252:A:LYS:HG2	1:256:A:GLU:HG3	4	0.21	0.07	0.19
(1,2188)	1:252:B:LYS:HG2	1:256:B:GLU:HG2	4	0.21	0.07	0.19
(1,2188)	1:252:B:LYS:HG2	1:256:B:GLU:HG3	4	0.21	0.07	0.19
(1,787)	1:217:A:GLN:HA	1:216:B:LEU:HD11	4	0.2	0.09	0.17
(1,787)	1:217:A:GLN:HA	1:216:B:LEU:HD12	4	0.2	0.09	0.17
(1,787)	1:217:A:GLN:HA	1:220:A:ILE:HG21	4	0.2	0.09	0.17
(3,2136)	1:246:B:ASP:HB3	1:246:B:ASP:H	4	0.18	0.0	0.18
(3,2135)	1:246:A:ASP:HB3	1:246:A:ASP:H	4	0.17	0.01	0.18
(3,718)	1:234:B:ASN:HB3	1:231:B:GLN:HA	4	0.16	0.03	0.16
(3,717)	1:234:A:ASN:HB3	1:231:A:GLN:HA	4	0.16	0.03	0.15
(3,2029)	1:265:A:ALA:H	1:264:A:GLU:HB2	4	0.14	0.03	0.13
(3,2030)	1:265:B:ALA:H	1:264:B:GLU:HB2	4	0.14	0.03	0.13
(3,1127)	1:237:A:VAL:HG21	1:237:A:VAL:H	4	0.12	0.01	0.12
(3,1127)	1:237:A:VAL:HG22	1:237:A:VAL:H	4	0.12	0.01	0.12
(3,1127)	1:237:A:VAL:HG23	1:237:A:VAL:H	4	0.12	0.01	0.12
(3,1545)	1:223:A:LEU:HD21	1:224:B:GLU:HA	4	0.12	0.01	0.12
(3,1545)	1:223:A:LEU:HD23	1:224:B:GLU:HA	4	0.12	0.01	0.12
(3,1545)	1:223:A:LEU:HD22	1:224:B:GLU:HA	4	0.12	0.01	0.12
(3,1175)	1:225:A:VAL:HA	1:225:A:VAL:HG21	4	0.11	0.0	0.11
(3,1175)	1:225:A:VAL:HA	1:225:A:VAL:HG22	4	0.11	0.0	0.11
(3,1176)	1:225:B:VAL:HA	1:225:B:VAL:HG21	4	0.11	0.0	0.11
(3,1176)	1:225:B:VAL:HA	1:225:B:VAL:HG22	4	0.11	0.0	0.11
(3,1972)	1:225:B:VAL:HG21	1:229:B:ARG:HG3	3	1.98	0.87	2.58
(3,1972)	1:225:B:VAL:HG23	1:229:B:ARG:HG3	3	1.98	0.87	2.58
(3,1971)	1:225:A:VAL:HG21	1:229:A:ARG:HG3	3	1.97	0.88	2.59
(3,1971)	1:225:A:VAL:HG23	1:229:A:ARG:HG3	3	1.97	0.88	2.59
(1,855)	1:224:A:GLU:HG3	1:223:A:LEU:HB3	3	1.11	0.05	1.1

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,856)	1:224:B:GLU:HG3	1:223:B:LEU:HB3	3	1.11	0.05	1.1
(3,1969)	1:229:A:ARG:HG3	1:225:A:VAL:HG11	3	1.11	0.24	1.23
(3,1969)	1:229:A:ARG:HG3	1:225:A:VAL:HG12	3	1.11	0.24	1.23
(3,1970)	1:229:B:ARG:HG3	1:225:B:VAL:HG11	3	1.11	0.25	1.23
(3,1970)	1:229:B:ARG:HG3	1:225:B:VAL:HG12	3	1.11	0.25	1.23
(3,1549)	1:223:A:LEU:HD12	1:224:B:GLU:HG3	3	1.1	0.02	1.09
(3,1549)	1:223:A:LEU:HD11	1:224:B:GLU:HG3	3	1.1	0.02	1.09
(3,1550)	1:223:B:LEU:HD12	1:224:A:GLU:HG3	3	1.09	0.02	1.09
(3,1550)	1:223:B:LEU:HD11	1:224:A:GLU:HG3	3	1.09	0.02	1.09
(1,2211)	1:244:A:ILE:HG21	1:252:B:LYS:HE2	3	0.82	0.37	0.88
(1,2211)	1:244:A:ILE:HG21	1:242:A:ASP:HB3	3	0.82	0.37	0.88
(1,2212)	1:244:B:ILE:HG21	1:252:A:LYS:HE2	3	0.79	0.38	0.84
(1,2212)	1:244:B:ILE:HG21	1:242:B:ASP:HB3	3	0.79	0.38	0.84
(3,1557)	1:223:A:LEU:HD23	1:224:B:GLU:HG3	3	0.7	0.05	0.68
(3,1557)	1:223:A:LEU:HD21	1:224:B:GLU:HG3	3	0.7	0.05	0.68
(3,1558)	1:223:B:LEU:HD23	1:224:A:GLU:HG3	3	0.7	0.05	0.68
(3,1558)	1:223:B:LEU:HD21	1:224:A:GLU:HG3	3	0.7	0.05	0.68
(3,1647)	1:243:A:ARG:HG2	1:242:A:ASP:HB3	3	0.7	0.17	0.64
(3,1648)	1:243:B:ARG:HG2	1:242:B:ASP:HB3	3	0.69	0.17	0.6
(1,885)	1:235:A:GLU:HG3	1:231:A:GLN:HE21	3	0.64	0.37	0.8
(1,885)	1:235:A:GLU:HG3	1:236:A:TYR:HE1	3	0.64	0.37	0.8
(1,885)	1:212:A:GLU:HG3	1:217:B:GLN:HE21	3	0.64	0.37	0.8
(1,886)	1:235:B:GLU:HG3	1:231:B:GLN:HE21	3	0.63	0.37	0.79
(1,886)	1:235:B:GLU:HG3	1:236:B:TYR:HE1	3	0.63	0.37	0.79
(1,886)	1:212:B:GLU:HG3	1:217:A:GLN:HE21	3	0.63	0.37	0.79
(1,1621)	1:271:A:ARG:HD2	1:267:A:GLN:HB3	3	0.53	0.05	0.54
(1,1621)	1:271:A:ARG:HD3	1:267:A:GLN:HB3	3	0.53	0.05	0.54
(1,1622)	1:271:B:ARG:HD2	1:267:B:GLN:HB3	3	0.53	0.04	0.55
(1,1622)	1:271:B:ARG:HD3	1:267:B:GLN:HB3	3	0.53	0.04	0.55
(3,1027)	1:225:A:VAL:HG12	1:228:A:LYS:H	3	0.53	0.1	0.48
(3,1027)	1:225:A:VAL:HG11	1:228:A:LYS:H	3	0.53	0.1	0.48
(3,1028)	1:225:B:VAL:HG12	1:228:B:LYS:H	3	0.52	0.11	0.48
(3,1028)	1:225:B:VAL:HG11	1:228:B:LYS:H	3	0.52	0.11	0.48
(1,1109)	1:229:A:ARG:HB2	1:225:A:VAL:HG11	3	0.48	0.25	0.65
(1,1109)	1:225:A:VAL:HG11	1:228:A:LYS:HB2	3	0.48	0.25	0.65
(1,1109)	1:225:A:VAL:HG13	1:228:A:LYS:HB2	3	0.48	0.25	0.65
(1,1110)	1:229:B:ARG:HB2	1:225:B:VAL:HG11	3	0.48	0.25	0.65
(1,1110)	1:225:B:VAL:HG11	1:228:B:LYS:HB2	3	0.48	0.25	0.65
(1,1110)	1:225:B:VAL:HG13	1:228:B:LYS:HB2	3	0.48	0.25	0.65
(3,45)	1:236:A:TYR:HE2	1:240:A:ARG:HD3	3	0.41	0.16	0.33
(3,45)	1:236:A:TYR:HE1	1:240:A:ARG:HD3	3	0.41	0.16	0.33
(3,46)	1:236:B:TYR:HE2	1:240:B:ARG:HD3	3	0.4	0.16	0.33

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,46)	1:236:B:TYR:HE1	1:240:B:ARG:HD3	3	0.4	0.16	0.33
(3,1261)	1:224:A:GLU:HG3	1:220:A:ILE:HG22	3	0.4	0.14	0.42
(3,1261)	1:224:A:GLU:HG3	1:220:A:ILE:HG23	3	0.4	0.14	0.42
(3,1262)	1:224:B:GLU:HG3	1:220:B:ILE:HG22	3	0.4	0.13	0.41
(3,1262)	1:224:B:GLU:HG3	1:220:B:ILE:HG23	3	0.4	0.13	0.41
(1,1698)	1:255:B:PHE:HE1	1:259:B:ARG:HD3	3	0.39	0.38	0.14
(1,1698)	1:255:B:PHE:HZ	1:259:B:ARG:HD3	3	0.39	0.38	0.14
(1,1144)	1:237:B:VAL:HG21	1:233:B:PHE:HE2	3	0.38	0.06	0.42
(1,1144)	1:237:B:VAL:HG23	1:233:B:PHE:HE1	3	0.38	0.06	0.42
(1,1144)	1:237:B:VAL:HG22	1:233:B:PHE:HE1	3	0.38	0.06	0.42
(1,1143)	1:237:A:VAL:HG21	1:233:A:PHE:HE2	3	0.37	0.06	0.41
(1,1143)	1:237:A:VAL:HG23	1:233:A:PHE:HE1	3	0.37	0.06	0.41
(1,1143)	1:237:A:VAL:HG22	1:233:A:PHE:HE1	3	0.37	0.06	0.41
(1,1693)	1:267:A:GLN:HA	1:270:A:ARG:HD3	3	0.26	0.12	0.23
(1,1693)	1:267:A:GLN:HA	1:270:A:ARG:HD2	3	0.26	0.12	0.23
(1,1694)	1:267:B:GLN:HA	1:270:B:ARG:HD3	3	0.26	0.12	0.23
(1,1694)	1:267:B:GLN:HA	1:270:B:ARG:HD2	3	0.26	0.12	0.23
(3,1949)	1:216:A:LEU:HD12	1:217:B:GLN:HA	3	0.25	0.06	0.29
(3,1949)	1:216:A:LEU:HD11	1:217:B:GLN:HA	3	0.25	0.06	0.29
(3,1950)	1:216:B:LEU:HD12	1:217:A:GLN:HA	3	0.25	0.06	0.28
(3,1950)	1:216:B:LEU:HD11	1:217:A:GLN:HA	3	0.25	0.06	0.28
(3,789)	1:224:A:GLU:HA	1:224:A:GLU:HG3	3	0.21	0.02	0.21
(3,790)	1:224:B:GLU:HA	1:224:B:GLU:HG3	3	0.21	0.02	0.21
(1,665)	1:264:A:GLU:HG2	1:268:A:LYS:HE2	3	0.21	0.08	0.16
(1,1762)	1:259:B:ARG:HG2	1:258:A:LEU:HD22	3	0.21	0.07	0.22
(1,1762)	1:259:B:ARG:HG2	1:258:A:LEU:HD21	3	0.21	0.07	0.22
(1,407)	1:234:A:ASN:HB3	1:233:B:PHE:HZ	3	0.2	0.02	0.19
(1,408)	1:234:B:ASN:HB3	1:233:A:PHE:HZ	3	0.2	0.02	0.2
(1,666)	1:264:B:GLU:HG2	1:268:B:LYS:HE2	3	0.2	0.08	0.16
(1,1617)	1:267:A:GLN:HA	1:270:A:ARG:HB3	3	0.18	0.0	0.18
(1,1618)	1:267:B:GLN:HA	1:270:B:ARG:HB3	3	0.17	0.01	0.18
(3,2114)	1:273:B:GLN:HA	1:274:B:ASP:H	3	0.17	0.02	0.18
(3,2113)	1:273:A:GLN:HA	1:274:A:ASP:H	3	0.17	0.02	0.18
(1,1177)	1:244:A:ILE:HD13	1:241:A:LEU:HB2	3	0.15	0.05	0.12
(1,1177)	1:244:A:ILE:HD13	1:241:B:LEU:HB3	3	0.15	0.05	0.12
(1,1177)	1:244:A:ILE:HD12	1:241:A:LEU:HB2	3	0.15	0.05	0.12
(1,2152)	1:216:B:LEU:HD22	1:213:B:ASN:HD22	3	0.15	0.04	0.13
(1,2152)	1:216:B:LEU:HD21	1:213:A:ASN:HD22	3	0.15	0.04	0.13
(3,2260)	1:256:B:GLU:H	1:255:B:PHE:HB2	3	0.12	0.01	0.12
(3,2259)	1:256:A:GLU:H	1:255:A:PHE:HB2	3	0.12	0.02	0.12
(1,1289)	1:269:A:LEU:HB3	1:269:A:LEU:HD13	3	0.11	0.0	0.11
(1,1289)	1:269:A:LEU:HB3	1:269:A:LEU:HD12	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)
(1,1290)	1:269:B:LEU:HB3	1:269:B:LEU:HD13	3	0.11	0.0	0.11
(1,1290)	1:269:B:LEU:HB3	1:269:B:LEU:HD12	3	0.11	0.0	0.11
(3,313)	1:265:A:ALA:HB3	1:265:A:ALA:HA	3	0.11	0.01	0.1
(3,313)	1:265:A:ALA:HB1	1:265:A:ALA:HA	3	0.11	0.01	0.1
(3,927)	1:267:A:GLN:HG3	1:267:A:GLN:H	2	0.99	0.06	0.99
(3,928)	1:267:B:GLN:HG3	1:267:B:GLN:H	2	0.99	0.06	0.99
(1,1904)	1:268:B:LYS:HE3	1:267:B:GLN:HB2	2	0.86	0.03	0.86
(1,1903)	1:268:A:LYS:HE3	1:267:A:GLN:HB2	2	0.86	0.03	0.86
(3,2656)	1:229:B:ARG:HB2	1:229:B:ARG:H	2	0.78	0.01	0.78
(3,2655)	1:229:A:ARG:HB2	1:229:A:ARG:H	2	0.77	0.01	0.77
(3,937)	1:267:A:GLN:HA	1:267:A:GLN:HG2	2	0.76	0.12	0.76
(3,938)	1:267:B:GLN:HA	1:267:B:GLN:HG2	2	0.76	0.12	0.76
(1,961)	1:217:A:GLN:HG2	1:214:A:GLU:HA	2	0.6	0.2	0.6
(1,961)	1:217:A:GLN:HG3	1:214:A:GLU:HA	2	0.6	0.2	0.6
(1,962)	1:217:B:GLN:HG2	1:214:B:GLU:HA	2	0.6	0.2	0.6
(1,962)	1:217:B:GLN:HG3	1:214:B:GLU:HA	2	0.6	0.2	0.6
(3,1889)	1:216:A:LEU:HD11	1:217:B:GLN:HE21	2	0.6	0.47	0.6
(1,1975)	1:249:A:VAL:HG22	1:252:A:LYS:HE2	2	0.6	0.41	0.6
(3,1890)	1:216:B:LEU:HD11	1:217:A:GLN:HE21	2	0.6	0.49	0.6
(1,1976)	1:249:B:VAL:HG22	1:252:B:LYS:HE2	2	0.58	0.42	0.58
(1,1697)	1:255:A:PHE:HE1	1:259:A:ARG:HD3	2	0.54	0.39	0.54
(1,1697)	1:255:A:PHE:HZ	1:259:A:ARG:HD3	2	0.54	0.39	0.54
(1,1795)	1:246:A:ASP:HB2	1:243:A:ARG:HD3	2	0.43	0.22	0.43
(1,1796)	1:246:B:ASP:HB2	1:243:B:ARG:HD3	2	0.42	0.22	0.42
(1,1207)	1:247:A:ASP:HB2	1:244:A:ILE:HG21	2	0.41	0.03	0.41
(1,1207)	1:247:A:ASP:HB2	1:244:A:ILE:HG22	2	0.41	0.03	0.41
(1,1208)	1:247:B:ASP:HB2	1:244:B:ILE:HG21	2	0.4	0.03	0.4
(1,1208)	1:247:B:ASP:HB2	1:244:B:ILE:HG22	2	0.4	0.03	0.4
(3,1670)	1:240:B:ARG:HD3	1:236:B:TYR:HD1	2	0.38	0.04	0.38
(3,1670)	1:240:B:ARG:HD3	1:236:B:TYR:HD2	2	0.38	0.04	0.38
(1,199)	1:255:A:PHE:HZ	1:259:A:ARG:HD3	2	0.38	0.12	0.38
(3,138)	1:248:B:PHE:HZ	1:244:A:ILE:HG21	2	0.38	0.06	0.38
(3,1669)	1:240:A:ARG:HD3	1:236:A:TYR:HD1	2	0.38	0.03	0.38
(3,1669)	1:240:A:ARG:HD3	1:236:A:TYR:HD2	2	0.38	0.03	0.38
(1,200)	1:255:B:PHE:HZ	1:259:B:ARG:HD3	2	0.38	0.12	0.38
(3,137)	1:248:A:PHE:HZ	1:244:B:ILE:HG21	2	0.35	0.06	0.35
(1,858)	1:224:B:GLU:HG3	1:220:B:ILE:HG23	2	0.34	0.07	0.34
(1,857)	1:224:A:GLU:HG3	1:220:A:ILE:HG23	2	0.33	0.07	0.33
(1,70)	1:255:B:PHE:HD2	1:251:A:MET:HG3	2	0.31	0.06	0.31
(1,70)	1:255:B:PHE:HD1	1:251:A:MET:HB2	2	0.31	0.06	0.31
(1,69)	1:255:A:PHE:HD2	1:251:B:MET:HG3	2	0.3	0.05	0.3
(1,69)	1:255:A:PHE:HD1	1:251:B:MET:HB2	2	0.3	0.05	0.3

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2146)	1:219:B:LYS:HG3	1:223:B:LEU:HD13	2	0.3	0.08	0.3
(1,2146)	1:219:B:LYS:HG3	1:216:B:LEU:HD23	2	0.3	0.08	0.3
(1,1595)	1:207:A:ASP:HA	1:210:A:LEU:HD13	2	0.29	0.09	0.29
(1,1596)	1:207:B:ASP:HA	1:210:B:LEU:HD13	2	0.29	0.09	0.29
(1,2145)	1:219:A:LYS:HG3	1:223:A:LEU:HD13	2	0.29	0.09	0.29
(1,2145)	1:219:A:LYS:HG3	1:216:A:LEU:HD23	2	0.29	0.09	0.29
(1,951)	1:217:A:GLN:HG3	1:217:A:GLN:H	2	0.26	0.01	0.26
(1,951)	1:217:A:GLN:HG2	1:217:A:GLN:H	2	0.26	0.01	0.26
(1,952)	1:217:B:GLN:HG3	1:217:B:GLN:H	2	0.26	0.01	0.26
(1,952)	1:217:B:GLN:HG2	1:217:B:GLN:H	2	0.26	0.01	0.26
(1,1967)	1:252:A:LYS:HE3	1:252:A:LYS:HB2	2	0.26	0.13	0.26
(1,1967)	1:252:A:LYS:HE2	1:252:A:LYS:HD2	2	0.26	0.13	0.26
(1,1968)	1:252:B:LYS:HE3	1:252:B:LYS:HB2	2	0.26	0.14	0.26
(1,1968)	1:252:B:LYS:HE2	1:252:B:LYS:HD2	2	0.26	0.14	0.26
(1,1241)	1:220:A:ILE:HG22	1:219:B:LYS:HE3	2	0.24	0.04	0.24
(1,1197)	1:244:A:ILE:HD13	1:241:A:LEU:HA	2	0.23	0.06	0.23
(1,1197)	1:244:A:ILE:HD12	1:240:A:ARG:HA	2	0.23	0.06	0.23
(1,1198)	1:244:B:ILE:HD13	1:241:B:LEU:HA	2	0.23	0.06	0.23
(1,1198)	1:244:B:ILE:HD12	1:240:B:ARG:HA	2	0.23	0.06	0.23
(1,967)	1:217:A:GLN:HG2	1:213:A:ASN:HA	2	0.22	0.06	0.22
(1,967)	1:217:A:GLN:HG2	1:213:B:ASN:HA	2	0.22	0.06	0.22
(1,968)	1:217:B:GLN:HG2	1:213:B:ASN:HA	2	0.22	0.06	0.22
(1,968)	1:217:B:GLN:HG2	1:213:A:ASN:HA	2	0.22	0.06	0.22
(1,1243)	1:220:A:ILE:HD13	1:223:B:LEU:HB2	2	0.22	0.01	0.22
(1,1244)	1:220:B:ILE:HD13	1:223:A:LEU:HB2	2	0.22	0.02	0.22
(3,1005)	1:215:A:SER:HA	1:218:A:GLN:HB3	2	0.2	0.05	0.2
(3,1006)	1:215:B:SER:HA	1:218:B:GLN:HB3	2	0.2	0.05	0.2
(1,1149)	1:237:A:VAL:HG13	1:233:B:PHE:HE1	2	0.2	0.01	0.2
(1,1149)	1:237:A:VAL:HG12	1:233:B:PHE:HE1	2	0.2	0.01	0.2
(1,1242)	1:220:B:ILE:HG22	1:219:A:LYS:HE3	2	0.2	0.02	0.2
(3,1620)	1:270:B:ARG:HA	1:273:B:GLN:HB3	2	0.2	0.02	0.2
(1,1150)	1:237:B:VAL:HG13	1:233:A:PHE:HE1	2	0.19	0.01	0.19
(1,1150)	1:237:B:VAL:HG12	1:233:A:PHE:HE1	2	0.19	0.01	0.19
(3,1619)	1:270:A:ARG:HA	1:273:A:GLN:HB3	2	0.18	0.02	0.18
(1,930)	1:248:B:PHE:HB2	1:251:A:MET:HB2	2	0.18	0.03	0.18
(1,930)	1:248:B:PHE:HB2	1:251:B:MET:HB3	2	0.18	0.03	0.18
(3,779)	1:224:A:GLU:HG3	1:224:A:GLU:H	2	0.18	0.04	0.18
(3,780)	1:224:B:GLU:HG3	1:224:B:GLU:H	2	0.18	0.04	0.18
(1,929)	1:248:A:PHE:HB2	1:251:B:MET:HB2	2	0.17	0.03	0.17
(1,929)	1:248:A:PHE:HB2	1:251:A:MET:HB3	2	0.17	0.03	0.17
(1,1178)	1:244:B:ILE:HD13	1:241:B:LEU:HB2	2	0.17	0.06	0.17
(1,1178)	1:244:B:ILE:HD12	1:241:B:LEU:HB2	2	0.17	0.06	0.17

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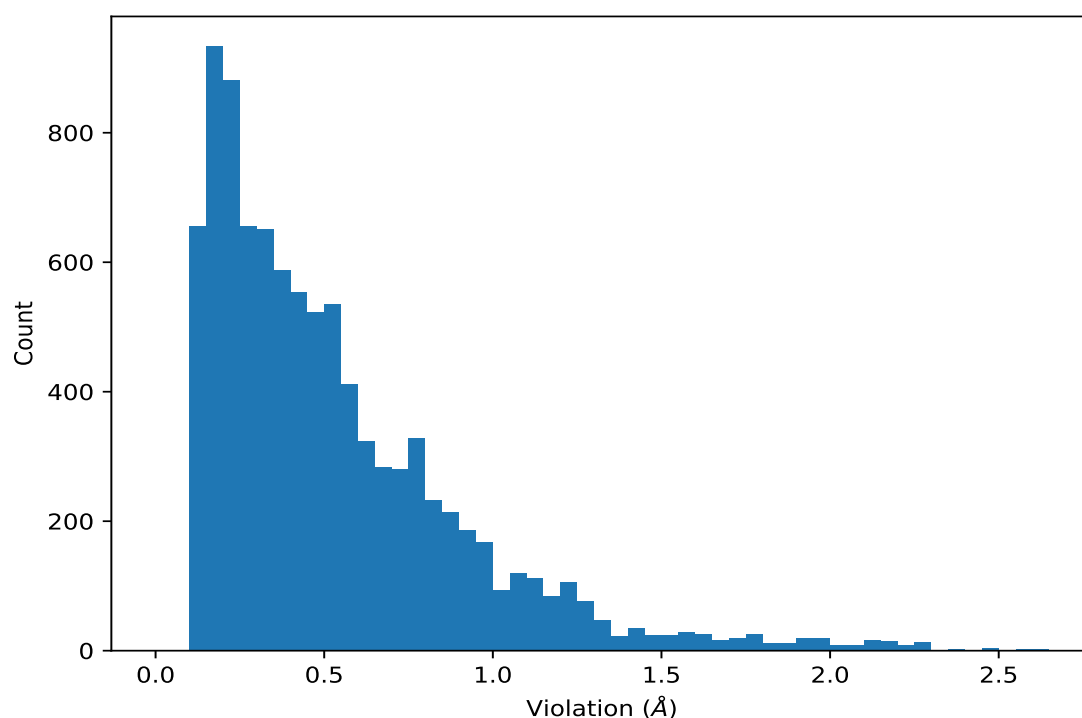
Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2151)	1:216:A:LEU:HD21	1:213:B:ASN:HD22	2	0.17	0.06	0.17
(1,2151)	1:216:A:LEU:HD22	1:213:A:ASN:HD22	2	0.17	0.06	0.17
(3,2677)	1:268:A:LYS:H	1:269:A:LEU:H	2	0.16	0.04	0.16
(3,2678)	1:268:B:LYS:H	1:269:B:LEU:H	2	0.16	0.04	0.16
(1,789)	1:217:A:GLN:HA	1:216:B:LEU:HD21	2	0.15	0.01	0.15
(1,789)	1:217:A:GLN:HA	1:220:A:ILE:HD13	2	0.15	0.01	0.15
(1,25)	1:210:A:LEU:HD13	1:209:B:LEU:HA	2	0.15	0.03	0.15
(1,25)	1:210:A:LEU:HD11	1:209:B:LEU:HA	2	0.15	0.03	0.15
(1,1588)	1:216:B:LEU:HB2	1:216:B:LEU:HD12	2	0.15	0.03	0.15
(1,1588)	1:216:B:LEU:HB2	1:216:B:LEU:HD13	2	0.15	0.03	0.15
(1,246)	1:263:B:SER:HB3	1:265:B:ALA:HB3	2	0.14	0.02	0.14
(1,246)	1:263:B:SER:HB3	1:265:B:ALA:HB2	2	0.14	0.02	0.14
(1,1587)	1:216:A:LEU:HB2	1:216:A:LEU:HD12	2	0.14	0.02	0.14
(1,1587)	1:216:A:LEU:HB2	1:216:A:LEU:HD13	2	0.14	0.02	0.14
(1,790)	1:217:B:GLN:HA	1:216:A:LEU:HD21	2	0.14	0.01	0.14
(1,790)	1:217:B:GLN:HA	1:220:B:ILE:HD13	2	0.14	0.01	0.14
(1,26)	1:210:B:LEU:HD13	1:209:A:LEU:HA	2	0.13	0.03	0.13
(1,26)	1:210:B:LEU:HD11	1:209:A:LEU:HA	2	0.13	0.03	0.13
(1,245)	1:263:A:SER:HB3	1:265:A:ALA:HB3	2	0.13	0.02	0.13
(1,245)	1:263:A:SER:HB3	1:265:A:ALA:HB2	2	0.13	0.02	0.13
(1,2225)	1:220:A:ILE:HG12	1:216:A:LEU:HB3	2	0.12	0.01	0.12
(1,2226)	1:220:B:ILE:HG12	1:216:B:LEU:HB3	2	0.12	0.01	0.12
(1,2160)	1:251:B:MET:HE2	1:249:A:VAL:HA	2	0.12	0.01	0.12
(1,2160)	1:251:B:MET:HE3	1:249:A:VAL:HA	2	0.12	0.01	0.12
(1,1255)	1:220:A:ILE:HG22	1:223:A:LEU:HA	2	0.11	0.0	0.11
(1,1255)	1:220:A:ILE:HG23	1:223:A:LEU:HA	2	0.11	0.0	0.11
(1,2159)	1:251:A:MET:HE2	1:249:B:VAL:HA	2	0.11	0.0	0.11
(1,2159)	1:251:A:MET:HE3	1:249:B:VAL:HA	2	0.11	0.0	0.11
(3,1900)	1:260:B:THR:HG23	1:259:B:ARG:HA	2	0.1	0.0	0.1
(3,1900)	1:260:B:THR:HG22	1:259:B:ARG:HA	2	0.1	0.0	0.1

<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)
(3,1972)	1:225:B:VAL:HG21	1:229:B:ARG:HG3	11	2.61
(3,1971)	1:225:A:VAL:HG21	1:229:A:ARG:HG3	11	2.6
(3,1971)	1:225:A:VAL:HG23	1:229:A:ARG:HG3	5	2.59
(3,1972)	1:225:B:VAL:HG23	1:229:B:ARG:HG3	5	2.58
(1,2239)	1:244:A:ILE:HG21	1:251:B:MET:HB2	4	2.49
(1,2240)	1:244:B:ILE:HG21	1:251:A:MET:HB2	4	2.47
(1,76)	1:255:B:PHE:HD2	1:257:B:THR:HG23	6	2.46
(1,75)	1:255:A:PHE:HD2	1:257:A:THR:HG23	6	2.46
(1,2162)	1:251:B:MET:HE1	1:254:B:ASN:HB2	9	2.38
(1,2161)	1:251:A:MET:HE1	1:254:A:ASN:HB2	9	2.38
(1,2239)	1:244:A:ILE:HG23	1:251:B:MET:HB2	12	2.31
(1,2240)	1:244:B:ILE:HG23	1:251:A:MET:HB2	12	2.29
(1,75)	1:255:A:PHE:HD2	1:257:A:THR:HG22	11	2.29
(1,2162)	1:251:B:MET:HE2	1:254:B:ASN:HB2	17	2.28
(1,76)	1:255:B:PHE:HD2	1:257:B:THR:HG22	11	2.28
(1,2240)	1:244:B:ILE:HG23	1:251:A:MET:HB2	14	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2239)	1:244:A:ILE:HG21	1:251:B:MET:HB2	20	2.27
(1,2161)	1:251:A:MET:HE2	1:254:A:ASN:HB2	17	2.27
(3,238)	1:244:B:ILE:HG23	1:241:A:LEU:HD12	2	2.26
(3,237)	1:244:A:ILE:HG23	1:241:B:LEU:HD12	2	2.26
(1,2239)	1:244:A:ILE:HG23	1:251:B:MET:HB2	14	2.26
(1,2162)	1:251:B:MET:HE1	1:254:B:ASN:HB2	18	2.26
(1,2240)	1:244:B:ILE:HG21	1:251:A:MET:HB2	20	2.25
(1,2161)	1:251:A:MET:HE1	1:254:A:ASN:HB2	18	2.25
(3,1108)	1:210:B:LEU:HD22	1:207:B:ASP:HB2	12	2.23
(3,238)	1:244:B:ILE:HG21	1:241:A:LEU:HD12	6	2.23
(3,237)	1:244:A:ILE:HG21	1:241:B:LEU:HD12	6	2.23
(3,1107)	1:210:A:LEU:HD22	1:207:A:ASP:HB2	12	2.22
(1,2162)	1:251:B:MET:HE3	1:254:B:ASN:HB2	16	2.22
(1,2161)	1:251:A:MET:HE3	1:254:A:ASN:HB2	16	2.21
(1,75)	1:255:A:PHE:HD1	1:257:A:THR:HG21	16	2.21
(1,76)	1:255:B:PHE:HD2	1:257:A:THR:HG21	10	2.2
(1,76)	1:255:B:PHE:HD1	1:257:B:THR:HG21	16	2.2
(1,2162)	1:251:B:MET:HE1	1:254:B:ASN:HB2	5	2.19
(1,2161)	1:251:A:MET:HE1	1:254:A:ASN:HB2	5	2.19
(3,238)	1:244:B:ILE:HG23	1:241:A:LEU:HD11	19	2.17
(1,75)	1:255:A:PHE:HD2	1:257:B:THR:HG21	10	2.17
(3,238)	1:244:B:ILE:HG23	1:241:A:LEU:HD13	20	2.16
(1,2239)	1:244:A:ILE:HG21	1:251:B:MET:HB2	1	2.16
(1,76)	1:255:B:PHE:HD2	1:257:B:THR:HG21	1	2.16
(1,75)	1:255:A:PHE:HD2	1:257:A:THR:HG21	1	2.16
(1,75)	1:255:A:PHE:HD1	1:257:A:THR:HG23	2	2.16
(1,75)	1:255:A:PHE:HD2	1:257:A:THR:HG23	17	2.16
(3,237)	1:244:A:ILE:HG23	1:241:B:LEU:HD11	19	2.15
(1,2240)	1:244:B:ILE:HG21	1:251:A:MET:HB2	1	2.15
(1,2239)	1:244:A:ILE:HG21	1:251:B:MET:HB2	19	2.15
(1,76)	1:255:B:PHE:HD1	1:257:B:THR:HG23	2	2.15
(1,76)	1:255:B:PHE:HD2	1:257:B:THR:HG23	17	2.15
(1,2240)	1:244:B:ILE:HG22	1:251:A:MET:HB2	10	2.14
(1,2240)	1:244:B:ILE:HG21	1:251:A:MET:HB2	19	2.14
(3,237)	1:244:A:ILE:HG23	1:241:B:LEU:HD13	20	2.12
(1,2239)	1:244:A:ILE:HG23	1:251:B:MET:HB2	13	2.12
(1,76)	1:255:B:PHE:HD2	1:257:B:THR:HG22	5	2.12
(1,75)	1:255:A:PHE:HD2	1:257:A:THR:HG22	5	2.12
(3,238)	1:244:B:ILE:HG23	1:241:A:LEU:HD12	1	2.11
(3,238)	1:244:B:ILE:HG23	1:241:A:LEU:HD13	16	2.11
(1,2162)	1:251:B:MET:HE2	1:254:B:ASN:HB2	7	2.11
(1,76)	1:255:B:PHE:HD2	1:257:B:THR:HG22	7	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,75)	1:255:A:PHE:HD2	1:257:A:THR:HG22	7	2.11
(3,237)	1:244:A:ILE:HG23	1:241:B:LEU:HD13	16	2.1
(1,2240)	1:244:B:ILE:HG23	1:251:A:MET:HB2	13	2.1
(1,2239)	1:244:A:ILE:HG22	1:251:B:MET:HB2	10	2.1
(1,2161)	1:251:A:MET:HE3	1:254:A:ASN:HB2	2	2.1
(1,2161)	1:251:A:MET:HE2	1:254:A:ASN:HB2	7	2.1
(3,238)	1:244:B:ILE:HG23	1:241:A:LEU:HD11	11	2.09
(3,237)	1:244:A:ILE:HG23	1:241:B:LEU:HD11	11	2.09
(1,2162)	1:251:B:MET:HE3	1:254:B:ASN:HB2	2	2.09
(3,237)	1:244:A:ILE:HG23	1:241:B:LEU:HD12	1	2.08
(1,2162)	1:251:B:MET:HE2	1:254:B:ASN:HB2	4	2.07
(1,2161)	1:251:A:MET:HE2	1:254:A:ASN:HB2	4	2.07
(3,238)	1:244:B:ILE:HG21	1:241:A:LEU:HD11	15	2.06
(1,2161)	1:251:A:MET:HE2	1:254:B:ASN:HB2	13	2.06
(1,2162)	1:251:B:MET:HE2	1:254:A:ASN:HB2	13	2.05
(3,237)	1:244:A:ILE:HG21	1:241:B:LEU:HD11	15	2.03
(3,237)	1:244:A:ILE:HG23	1:241:B:LEU:HD11	17	2.03
(1,2162)	1:251:B:MET:HE3	1:254:A:ASN:HB2	14	2.03
(3,238)	1:244:B:ILE:HG23	1:241:A:LEU:HD11	17	2.02
(1,2161)	1:251:A:MET:HE3	1:254:B:ASN:HB2	14	2.01
(1,76)	1:255:B:PHE:HD2	1:257:A:THR:HG22	12	2.01
(1,75)	1:255:A:PHE:HD2	1:257:B:THR:HG22	12	2.01
(1,2162)	1:251:B:MET:HE1	1:254:A:ASN:HB2	20	2.0
(1,2161)	1:251:A:MET:HE3	1:254:B:ASN:HB2	15	2.0
(3,1108)	1:210:B:LEU:HD22	1:207:B:ASP:HB2	13	1.99
(3,1107)	1:210:A:LEU:HD22	1:207:A:ASP:HB2	13	1.99
(1,2161)	1:251:A:MET:HE1	1:254:B:ASN:HB2	20	1.99
(1,76)	1:255:B:PHE:HD2	1:257:B:THR:HG21	3	1.99
(1,75)	1:255:A:PHE:HD2	1:257:A:THR:HG21	3	1.99
(1,2162)	1:251:B:MET:HE3	1:254:A:ASN:HB2	15	1.98
(3,237)	1:244:A:ILE:HG21	1:241:B:LEU:HD11	10	1.97
(1,2162)	1:251:B:MET:HE3	1:254:A:ASN:HB2	19	1.97
(1,2161)	1:251:A:MET:HE3	1:254:B:ASN:HB2	19	1.97
(3,238)	1:244:B:ILE:HG22	1:241:A:LEU:HD12	12	1.96
(1,2239)	1:244:A:ILE:HG22	1:251:B:MET:HB2	15	1.96
(1,2162)	1:251:B:MET:HE2	1:254:A:ASN:HB2	12	1.96
(1,2161)	1:251:A:MET:HE2	1:254:B:ASN:HB2	12	1.96
(1,714)	1:212:B:GLU:HG3	1:208:B:ARG:HG2	5	1.96
(3,238)	1:244:B:ILE:HG23	1:241:A:LEU:HD13	4	1.95
(3,238)	1:244:B:ILE:HG21	1:241:A:LEU:HD12	9	1.95
(3,237)	1:244:A:ILE:HG21	1:241:B:LEU:HD12	9	1.95
(1,2162)	1:251:B:MET:HE1	1:254:A:ASN:HB2	8	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,713)	1:212:A:GLU:HG3	1:208:A:ARG:HG2	5	1.95
(3,237)	1:244:A:ILE:HG22	1:241:B:LEU:HD12	12	1.94
(1,2240)	1:244:B:ILE:HG22	1:251:A:MET:HB2	15	1.94
(1,2161)	1:251:A:MET:HE1	1:254:B:ASN:HB2	8	1.94
(1,75)	1:255:A:PHE:HD1	1:257:B:THR:HG22	15	1.94
(3,238)	1:244:B:ILE:HG21	1:241:A:LEU:HD11	10	1.93
(3,237)	1:244:A:ILE:HG23	1:241:B:LEU:HD13	4	1.93
(1,2161)	1:251:A:MET:HE2	1:254:B:ASN:HB2	10	1.93
(3,322)	1:227:B:ALA:HB3	1:226:A:GLU:HG3	2	1.92
(3,321)	1:227:A:ALA:HB1	1:226:B:GLU:HG3	3	1.92
(3,238)	1:244:B:ILE:HG23	1:241:A:LEU:HD12	3	1.92
(1,2162)	1:251:B:MET:HE2	1:254:A:ASN:HB2	10	1.92
(1,76)	1:255:B:PHE:HD1	1:257:A:THR:HG22	15	1.92
(3,322)	1:227:B:ALA:HB2	1:226:A:GLU:HG3	15	1.91
(3,321)	1:227:A:ALA:HB3	1:226:B:GLU:HG3	2	1.91
(3,321)	1:227:A:ALA:HB2	1:226:B:GLU:HG3	15	1.91
(3,238)	1:244:B:ILE:HG22	1:241:A:LEU:HD13	7	1.91
(3,322)	1:227:B:ALA:HB1	1:226:A:GLU:HG3	3	1.9
(3,322)	1:227:B:ALA:HB2	1:226:A:GLU:HG3	8	1.9
(3,321)	1:227:A:ALA:HB2	1:226:B:GLU:HG3	8	1.9
(3,237)	1:244:A:ILE:HG23	1:241:B:LEU:HD12	3	1.89
(3,321)	1:227:A:ALA:HB3	1:226:B:GLU:HG3	7	1.88
(3,1107)	1:210:A:LEU:HD21	1:207:A:ASP:HB2	2	1.87
(3,238)	1:244:B:ILE:HG23	1:241:A:LEU:HD13	8	1.87
(3,237)	1:244:A:ILE:HG23	1:241:B:LEU:HD13	8	1.87
(3,1108)	1:210:B:LEU:HD21	1:207:B:ASP:HB2	2	1.86
(3,322)	1:227:B:ALA:HB3	1:226:A:GLU:HG3	7	1.86
(3,237)	1:244:A:ILE:HG22	1:241:B:LEU:HD13	7	1.86
(3,1202)	1:244:B:ILE:HD11	1:240:B:ARG:HG2	9	1.85
(3,1201)	1:244:A:ILE:HD11	1:240:A:ARG:HG2	9	1.85
(3,185)	1:262:A:LEU:HD13	1:254:B:ASN:HD21	8	1.85
(3,186)	1:262:B:LEU:HD13	1:254:A:ASN:HD21	8	1.84
(3,742)	1:226:B:GLU:HG3	1:227:A:ALA:HB1	3	1.81
(1,578)	1:257:B:THR:HG23	1:259:A:ARG:HD2	20	1.81
(1,75)	1:255:A:PHE:HD1	1:257:B:THR:HG22	18	1.81
(3,1202)	1:244:B:ILE:HD11	1:240:B:ARG:HG2	20	1.8
(3,1201)	1:244:A:ILE:HD11	1:240:A:ARG:HG2	13	1.8
(3,742)	1:226:B:GLU:HG3	1:227:A:ALA:HB3	2	1.8
(3,741)	1:226:A:GLU:HG3	1:227:B:ALA:HB3	2	1.8
(3,560)	1:257:B:THR:HG22	1:261:B:GLU:HG2	7	1.8
(3,559)	1:257:A:THR:HG22	1:261:A:GLU:HG2	7	1.8
(3,186)	1:262:B:LEU:HD11	1:254:A:ASN:HD21	20	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,76)	1:255:B:PHE:HD1	1:257:A:THR:HG22	18	1.8
(3,1202)	1:244:B:ILE:HD11	1:240:B:ARG:HG2	7	1.79
(3,1202)	1:244:B:ILE:HD11	1:240:B:ARG:HG2	13	1.79
(3,1202)	1:244:B:ILE:HD12	1:240:B:ARG:HG2	18	1.79
(3,1201)	1:244:A:ILE:HD12	1:240:A:ARG:HG2	18	1.79
(3,1201)	1:244:A:ILE:HD11	1:240:A:ARG:HG2	20	1.79
(3,742)	1:226:B:GLU:HG3	1:227:A:ALA:HB2	15	1.79
(3,741)	1:226:A:GLU:HG3	1:227:B:ALA:HB1	3	1.79
(3,741)	1:226:A:GLU:HG3	1:227:B:ALA:HB2	15	1.79
(3,1201)	1:244:A:ILE:HD11	1:240:A:ARG:HG2	7	1.78
(3,742)	1:226:B:GLU:HG3	1:227:A:ALA:HB2	8	1.78
(3,741)	1:226:A:GLU:HG3	1:227:B:ALA:HB2	8	1.78
(3,1202)	1:244:B:ILE:HD13	1:240:B:ARG:HG2	5	1.77
(3,1202)	1:244:B:ILE:HD11	1:240:B:ARG:HG2	11	1.77
(3,1201)	1:244:A:ILE:HD13	1:240:A:ARG:HG2	5	1.77
(3,1201)	1:244:A:ILE:HD11	1:240:A:ARG:HG2	11	1.77
(3,1201)	1:244:A:ILE:HD13	1:240:A:ARG:HG2	17	1.77
(3,742)	1:226:B:GLU:HG3	1:227:A:ALA:HB3	7	1.77
(1,2284)	1:265:B:ALA:H	1:266:B:GLN:HG3	3	1.77
(1,2283)	1:265:A:ALA:H	1:266:A:GLN:HG3	3	1.77
(3,1202)	1:244:B:ILE:HD13	1:240:B:ARG:HG2	17	1.76
(3,238)	1:244:B:ILE:HG23	1:241:A:LEU:HD12	5	1.76
(3,237)	1:244:A:ILE:HG23	1:241:B:LEU:HD12	5	1.76
(3,185)	1:262:A:LEU:HD11	1:254:B:ASN:HD21	20	1.75
(1,2162)	1:251:B:MET:HE1	1:254:A:ASN:HB2	3	1.75
(1,2161)	1:251:A:MET:HE1	1:254:B:ASN:HB2	3	1.75
(3,1108)	1:210:B:LEU:HD23	1:207:B:ASP:HB2	20	1.74
(3,1107)	1:210:A:LEU:HD23	1:207:A:ASP:HB2	20	1.74
(3,741)	1:226:A:GLU:HG3	1:227:B:ALA:HB3	7	1.74
(1,566)	1:251:B:MET:HE1	1:249:B:VAL:HG13	2	1.74
(1,578)	1:257:B:THR:HG22	1:259:A:ARG:HD2	7	1.73
(1,565)	1:251:A:MET:HE1	1:249:A:VAL:HG13	2	1.73
(3,1202)	1:244:B:ILE:HD13	1:240:B:ARG:HG2	1	1.72
(3,1201)	1:244:A:ILE:HD13	1:240:A:ARG:HG2	1	1.72
(3,238)	1:244:B:ILE:HG23	1:241:A:LEU:HD11	18	1.72
(1,75)	1:255:A:PHE:HD2	1:257:B:THR:HG21	4	1.72
(1,203)	1:255:A:PHE:HZ	1:259:A:ARG:HG2	9	1.71
(1,76)	1:255:B:PHE:HD2	1:257:A:THR:HG21	4	1.71
(3,1202)	1:244:B:ILE:HD12	1:240:B:ARG:HG2	6	1.7
(3,1201)	1:244:A:ILE:HD12	1:240:A:ARG:HG2	6	1.7
(3,1108)	1:210:B:LEU:HD22	1:207:B:ASP:HB2	3	1.7
(3,1107)	1:210:A:LEU:HD22	1:207:A:ASP:HB2	3	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,560)	1:257:B:THR:HG23	1:261:B:GLU:HG2	17	1.7
(3,237)	1:244:A:ILE:HG23	1:241:B:LEU:HD11	18	1.7
(1,204)	1:255:B:PHE:HZ	1:259:B:ARG:HG2	9	1.7
(3,559)	1:257:A:THR:HG23	1:261:A:GLU:HG2	17	1.69
(3,238)	1:244:B:ILE:HG22	1:241:A:LEU:HD12	13	1.69
(3,237)	1:244:A:ILE:HG22	1:241:B:LEU:HD13	14	1.69
(1,577)	1:257:A:THR:HG23	1:259:B:ARG:HD2	20	1.69
(3,238)	1:244:B:ILE:HG22	1:241:A:LEU:HD13	14	1.68
(3,237)	1:244:A:ILE:HG22	1:241:B:LEU:HD12	13	1.68
(1,1628)	1:271:B:ARG:HD3	1:272:B:GLN:HG3	5	1.68
(1,1627)	1:271:A:ARG:HD3	1:272:A:GLN:HG3	5	1.68
(1,75)	1:255:A:PHE:HD1	1:257:B:THR:HG21	13	1.68
(1,75)	1:255:A:PHE:HD1	1:257:B:THR:HG23	20	1.68
(3,560)	1:257:B:THR:HG23	1:261:B:GLU:HG2	9	1.67
(3,559)	1:257:A:THR:HG23	1:261:A:GLU:HG2	9	1.66
(1,76)	1:255:B:PHE:HD1	1:257:A:THR:HG21	13	1.66
(1,1628)	1:271:B:ARG:HD2	1:272:B:GLN:HG2	4	1.65
(1,1627)	1:271:A:ARG:HD2	1:272:A:GLN:HG2	4	1.65
(1,76)	1:255:B:PHE:HD1	1:257:A:THR:HG23	20	1.65
(1,2162)	1:251:B:MET:HE1	1:254:B:ASN:HB2	11	1.64
(1,2161)	1:251:A:MET:HE1	1:254:A:ASN:HB2	11	1.64
(1,565)	1:251:A:MET:HE2	1:249:A:VAL:HG13	5	1.64
(3,1202)	1:244:B:ILE:HD11	1:240:B:ARG:HG2	19	1.63
(3,1201)	1:244:A:ILE:HD11	1:240:A:ARG:HG2	19	1.63
(3,1107)	1:210:A:LEU:HD22	1:207:A:ASP:HB2	1	1.63
(1,714)	1:212:B:GLU:HG3	1:208:B:ARG:HG3	2	1.63
(1,713)	1:212:A:GLU:HG3	1:208:A:ARG:HG3	2	1.63
(1,578)	1:257:B:THR:HG23	1:259:A:ARG:HD3	2	1.63
(1,566)	1:251:B:MET:HE2	1:249:B:VAL:HG13	5	1.63
(1,76)	1:255:B:PHE:HD1	1:257:A:THR:HG22	19	1.63
(1,75)	1:255:A:PHE:HD1	1:257:B:THR:HG22	19	1.63
(3,1202)	1:244:B:ILE:HD12	1:240:B:ARG:HG2	4	1.62
(3,1201)	1:244:A:ILE:HD12	1:240:A:ARG:HG2	4	1.62
(3,1108)	1:210:B:LEU:HD22	1:207:B:ASP:HB2	1	1.62
(3,186)	1:262:B:LEU:HD11	1:254:A:ASN:HD21	12	1.62
(3,185)	1:262:A:LEU:HD11	1:254:B:ASN:HD21	12	1.62
(1,274)	1:215:B:SER:HB2	1:219:B:LYS:HE2	3	1.62
(1,273)	1:215:A:SER:HB2	1:219:A:LYS:HE2	3	1.62
(3,186)	1:262:B:LEU:HD11	1:254:A:ASN:HD21	9	1.61
(1,76)	1:255:B:PHE:HD2	1:257:A:THR:HG22	14	1.61
(3,1108)	1:210:B:LEU:HD21	1:207:B:ASP:HB2	18	1.6
(3,1107)	1:210:A:LEU:HD21	1:207:A:ASP:HB2	18	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,185)	1:262:A:LEU:HD11	1:254:B:ASN:HD21	9	1.6
(1,566)	1:251:B:MET:HE3	1:249:A:VAL:HG23	11	1.6
(1,75)	1:255:A:PHE:HD2	1:257:B:THR:HG22	14	1.6
(1,577)	1:257:A:THR:HG23	1:259:B:ARG:HD3	2	1.59
(1,577)	1:257:A:THR:HG22	1:259:B:ARG:HD2	7	1.59
(1,565)	1:251:A:MET:HE3	1:249:B:VAL:HG23	11	1.59
(1,2162)	1:251:B:MET:HE3	1:254:A:ASN:HB2	1	1.58
(1,607)	1:245:A:THR:HG21	1:244:B:ILE:HD12	1	1.58
(3,1919)	1:210:A:LEU:HD13	1:207:A:ASP:HB2	13	1.57
(3,560)	1:257:B:THR:HG22	1:261:B:GLU:HG2	18	1.57
(3,559)	1:257:A:THR:HG22	1:261:A:GLU:HG2	18	1.57
(1,2161)	1:251:A:MET:HE3	1:254:B:ASN:HB2	1	1.57
(1,608)	1:245:B:THR:HG21	1:244:B:ILE:HG21	12	1.57
(1,608)	1:245:B:THR:HG23	1:244:B:ILE:HG22	19	1.57
(1,607)	1:245:A:THR:HG21	1:244:A:ILE:HG21	12	1.57
(1,607)	1:245:A:THR:HG23	1:244:A:ILE:HG22	19	1.57
(1,578)	1:257:B:THR:HG22	1:259:A:ARG:HD3	5	1.57
(3,1920)	1:210:B:LEU:HD13	1:207:B:ASP:HB2	13	1.56
(3,1202)	1:244:B:ILE:HD13	1:240:B:ARG:HG2	2	1.56
(1,2162)	1:251:B:MET:HE2	1:254:B:ASN:HB2	6	1.56
(1,2161)	1:251:A:MET:HE2	1:254:A:ASN:HB2	6	1.56
(1,608)	1:245:B:THR:HG21	1:244:A:ILE:HD12	1	1.56
(3,1920)	1:210:B:LEU:HD11	1:207:B:ASP:HB2	2	1.55
(3,1920)	1:210:B:LEU:HD11	1:207:B:ASP:HB2	3	1.55
(3,1919)	1:210:A:LEU:HD11	1:207:A:ASP:HB2	2	1.55
(3,1919)	1:210:A:LEU:HD11	1:207:A:ASP:HB2	3	1.55
(3,1201)	1:244:A:ILE:HD13	1:240:A:ARG:HG2	2	1.55
(3,560)	1:257:B:THR:HG23	1:261:B:GLU:HG2	20	1.55
(1,608)	1:245:B:THR:HG22	1:244:B:ILE:HG22	20	1.55
(1,607)	1:245:A:THR:HG22	1:244:A:ILE:HG22	20	1.55
(1,566)	1:251:B:MET:HE3	1:249:B:VAL:HG11	6	1.55
(1,565)	1:251:A:MET:HE3	1:249:A:VAL:HG11	6	1.55
(1,1628)	1:271:B:ARG:HD2	1:272:B:GLN:HG2	10	1.54
(1,1627)	1:271:A:ARG:HD2	1:272:A:GLN:HG2	10	1.54
(1,577)	1:257:A:THR:HG22	1:259:B:ARG:HD3	5	1.54
(3,1920)	1:210:B:LEU:HD13	1:207:B:ASP:HB2	12	1.53
(3,1919)	1:210:A:LEU:HD13	1:207:A:ASP:HB2	12	1.53
(3,1170)	1:225:B:VAL:HG11	1:221:B:ASN:HD21	6	1.53
(3,1169)	1:225:A:VAL:HG11	1:221:A:ASN:HD21	6	1.53
(3,559)	1:257:A:THR:HG23	1:261:A:GLU:HG2	20	1.53
(3,1170)	1:225:B:VAL:HG12	1:221:B:ASN:HD21	13	1.51
(3,1108)	1:210:B:LEU:HD23	1:207:B:ASP:HB2	11	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,186)	1:262:B:LEU:HD12	1:254:A:ASN:HD21	15	1.51
(1,608)	1:245:B:THR:HG22	1:244:B:ILE:HG23	9	1.51
(1,578)	1:257:B:THR:HG21	1:259:A:ARG:HD2	8	1.51
(1,577)	1:257:A:THR:HG21	1:259:B:ARG:HD2	8	1.51
(1,274)	1:215:B:SER:HB2	1:219:B:LYS:HE2	8	1.51
(3,1202)	1:244:B:ILE:HD13	1:240:B:ARG:HG2	3	1.5
(3,1201)	1:244:A:ILE:HD13	1:240:A:ARG:HG2	3	1.5
(3,1169)	1:225:A:VAL:HG12	1:221:A:ASN:HD21	13	1.5
(3,1107)	1:210:A:LEU:HD23	1:207:A:ASP:HB2	11	1.5
(1,2284)	1:265:B:ALA:H	1:266:B:GLN:HG3	1	1.5
(1,2283)	1:265:A:ALA:H	1:266:A:GLN:HG3	1	1.5
(1,607)	1:245:A:THR:HG22	1:244:A:ILE:HG23	9	1.5
(1,577)	1:257:A:THR:HG21	1:259:B:ARG:HD2	13	1.5
(1,273)	1:215:A:SER:HB2	1:219:A:LYS:HE2	8	1.5
(3,1170)	1:225:B:VAL:HG13	1:221:B:ASN:HD21	11	1.49
(3,1169)	1:225:A:VAL:HG13	1:221:A:ASN:HD21	11	1.49
(3,185)	1:262:A:LEU:HD12	1:254:B:ASN:HD21	15	1.49
(1,578)	1:257:B:THR:HG21	1:259:A:ARG:HD2	13	1.49
(1,566)	1:251:B:MET:HE2	1:249:A:VAL:HG22	1	1.49
(3,1201)	1:244:A:ILE:HD13	1:240:A:ARG:HG2	16	1.48
(3,559)	1:257:A:THR:HG21	1:261:A:GLU:HG2	10	1.48
(1,201)	1:255:A:PHE:HZ	1:251:B:MET:HE3	10	1.48
(3,1202)	1:244:B:ILE:HD13	1:240:B:ARG:HG2	16	1.47
(3,1170)	1:225:B:VAL:HG12	1:221:B:ASN:HD21	16	1.47
(3,1169)	1:225:A:VAL:HG12	1:221:A:ASN:HD21	16	1.47
(3,560)	1:257:B:THR:HG21	1:261:B:GLU:HG2	10	1.47
(1,608)	1:245:B:THR:HG23	1:244:B:ILE:HG21	7	1.47
(1,607)	1:245:A:THR:HG23	1:244:A:ILE:HG21	7	1.47
(1,76)	1:255:B:PHE:HD1	1:257:A:THR:HG21	8	1.47
(3,613)	1:214:A:GLU:HG2	1:210:A:LEU:HG	8	1.46
(1,608)	1:245:B:THR:HG22	1:244:B:ILE:HG21	13	1.46
(1,607)	1:245:A:THR:HG22	1:244:A:ILE:HG21	13	1.46
(1,202)	1:255:B:PHE:HZ	1:251:A:MET:HE3	10	1.46
(1,75)	1:255:A:PHE:HD1	1:257:B:THR:HG21	8	1.46
(3,1202)	1:244:B:ILE:HD11	1:240:B:ARG:HG2	10	1.45
(3,1201)	1:244:A:ILE:HD11	1:240:A:ARG:HG2	10	1.45
(3,614)	1:214:B:GLU:HG2	1:210:B:LEU:HG	8	1.45
(1,578)	1:257:B:THR:HG23	1:259:A:ARG:HD2	6	1.45
(3,1202)	1:244:B:ILE:HD12	1:240:B:ARG:HG2	8	1.44
(1,2120)	1:219:B:LYS:HE2	1:216:A:LEU:HD21	13	1.44
(1,565)	1:251:A:MET:HE2	1:249:B:VAL:HG22	1	1.44
(3,1920)	1:210:B:LEU:HD13	1:207:B:ASP:HB2	1	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1919)	1:210:A:LEU:HD13	1:207:A:ASP:HB2	1	1.43
(3,1201)	1:244:A:ILE:HD12	1:240:A:ARG:HG2	8	1.43
(1,2119)	1:219:A:LYS:HE2	1:216:B:LEU:HD21	13	1.43
(3,1170)	1:225:B:VAL:HG13	1:221:B:ASN:HD21	2	1.42
(3,1169)	1:225:A:VAL:HG13	1:221:A:ASN:HD21	2	1.42
(3,515)	1:247:A:ASP:HB2	1:251:A:MET:HE2	4	1.42
(1,1902)	1:264:B:GLU:HG2	1:268:B:LYS:HE2	15	1.42
(1,1901)	1:264:A:GLU:HG2	1:268:A:LYS:HE2	15	1.42
(1,1798)	1:239:B:GLU:HG3	1:243:B:ARG:HD2	4	1.42
(1,1797)	1:239:A:GLU:HG3	1:243:A:ARG:HD2	4	1.42
(1,1361)	1:262:A:LEU:HD22	1:265:B:ALA:HB1	11	1.42
(1,608)	1:245:B:THR:HG22	1:244:B:ILE:HG22	17	1.42
(1,607)	1:245:A:THR:HG21	1:244:A:ILE:HG22	3	1.42
(1,607)	1:245:A:THR:HG22	1:244:A:ILE:HG22	17	1.42
(1,577)	1:257:A:THR:HG23	1:259:B:ARG:HD2	6	1.42
(3,516)	1:247:B:ASP:HB2	1:251:B:MET:HE3	3	1.41
(3,516)	1:247:B:ASP:HB2	1:251:B:MET:HE2	4	1.41
(1,1362)	1:262:B:LEU:HD22	1:265:A:ALA:HB1	11	1.41
(1,608)	1:245:B:THR:HG21	1:244:B:ILE:HG22	3	1.41
(1,578)	1:257:B:THR:HG21	1:259:A:ARG:HD2	3	1.41
(1,578)	1:257:B:THR:HG22	1:259:A:ARG:HD3	12	1.41
(1,578)	1:257:B:THR:HG22	1:259:A:ARG:HD2	18	1.41
(1,577)	1:257:A:THR:HG22	1:259:B:ARG:HD3	14	1.41
(1,273)	1:215:A:SER:HB2	1:219:A:LYS:HE2	9	1.41
(3,515)	1:247:A:ASP:HB2	1:251:A:MET:HE3	3	1.4
(1,1363)	1:214:A:GLU:HG2	1:210:A:LEU:HD12	7	1.4
(1,607)	1:245:A:THR:HG21	1:244:B:ILE:HD11	6	1.4
(1,578)	1:257:B:THR:HG22	1:259:A:ARG:HD3	14	1.4
(1,577)	1:257:A:THR:HG22	1:259:B:ARG:HD2	12	1.4
(1,566)	1:251:B:MET:HE1	1:249:A:VAL:HG23	7	1.4
(1,274)	1:215:B:SER:HB2	1:219:B:LYS:HE2	9	1.4
(1,1580)	1:213:B:ASN:HB2	1:216:B:LEU:HD21	7	1.39
(1,1579)	1:213:A:ASN:HB2	1:216:A:LEU:HD21	7	1.39
(1,1364)	1:214:B:GLU:HG2	1:210:B:LEU:HD12	7	1.39
(1,577)	1:257:A:THR:HG22	1:259:B:ARG:HD2	18	1.39
(3,941)	1:265:A:ALA:HB3	1:266:A:GLN:HG3	16	1.38
(3,186)	1:262:B:LEU:HD11	1:254:A:ASN:HD21	13	1.38
(3,942)	1:265:B:ALA:HB3	1:266:B:GLN:HG3	16	1.37
(3,516)	1:247:B:ASP:HB2	1:251:B:MET:HE1	15	1.37
(3,515)	1:247:A:ASP:HB2	1:251:A:MET:HE1	15	1.37
(1,1580)	1:213:B:ASN:HB2	1:216:B:LEU:HD23	6	1.37
(1,608)	1:245:B:THR:HG21	1:244:A:ILE:HD11	6	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,577)	1:257:A:THR:HG21	1:259:B:ARG:HD2	3	1.37
(3,1202)	1:244:B:ILE:HD13	1:240:B:ARG:HG2	12	1.36
(3,1201)	1:244:A:ILE:HD13	1:240:A:ARG:HG2	12	1.36
(3,1201)	1:244:A:ILE:HD12	1:240:A:ARG:HG2	15	1.36
(3,613)	1:214:A:GLU:HG2	1:210:A:LEU:HG	10	1.36
(3,185)	1:262:A:LEU:HD11	1:254:B:ASN:HD21	13	1.36
(1,1580)	1:216:B:LEU:HD23	1:213:A:ASN:HB2	15	1.36
(1,1579)	1:213:A:ASN:HB2	1:216:A:LEU:HD23	6	1.36
(1,607)	1:245:A:THR:HG21	1:244:B:ILE:HD13	11	1.36
(3,1202)	1:244:B:ILE:HD12	1:240:B:ARG:HG2	15	1.35
(3,614)	1:214:B:GLU:HG2	1:210:B:LEU:HG	10	1.35
(3,2742)	1:243:B:ARG:H	1:246:B:ASP:HB3	19	1.34
(3,2741)	1:243:A:ARG:H	1:246:A:ASP:HB3	19	1.34
(3,1298)	1:269:B:LEU:HD23	1:273:B:GLN:HE22	19	1.34
(3,1297)	1:269:A:LEU:HD23	1:273:A:GLN:HE22	19	1.34
(3,474)	1:246:B:ASP:HB3	1:243:B:ARG:HA	19	1.34
(3,473)	1:246:A:ASP:HB3	1:243:A:ARG:HA	19	1.34
(1,2125)	1:225:A:VAL:HG23	1:227:A:ALA:HB3	19	1.34
(1,1440)	1:241:B:LEU:HD11	1:240:B:ARG:HB2	13	1.34
(1,1439)	1:241:A:LEU:HD11	1:240:A:ARG:HB2	13	1.34
(1,608)	1:245:B:THR:HG21	1:244:A:ILE:HD13	11	1.34
(1,566)	1:251:B:MET:HE1	1:249:B:VAL:HG12	15	1.34
(1,565)	1:251:A:MET:HE1	1:249:A:VAL:HG12	15	1.34
(1,274)	1:215:B:SER:HB2	1:219:B:LYS:HE2	16	1.34
(1,273)	1:215:A:SER:HB2	1:219:A:LYS:HE2	16	1.34
(3,1970)	1:229:B:ARG:HG3	1:225:B:VAL:HG11	5	1.33
(3,1969)	1:229:A:ARG:HG3	1:225:A:VAL:HG11	5	1.33
(3,1202)	1:244:B:ILE:HD12	1:240:B:ARG:HG2	14	1.33
(3,1201)	1:244:A:ILE:HD12	1:240:A:ARG:HG2	14	1.33
(1,2126)	1:225:B:VAL:HG23	1:227:B:ALA:HB3	19	1.33
(1,1579)	1:216:A:LEU:HD23	1:213:B:ASN:HB2	15	1.33
(1,578)	1:257:B:THR:HG21	1:259:A:ARG:HD2	1	1.33
(1,135)	1:255:A:PHE:HE2	1:251:B:MET:HE1	8	1.33
(3,613)	1:214:A:GLU:HG2	1:210:A:LEU:HG	15	1.32
(1,1440)	1:241:B:LEU:HD11	1:240:B:ARG:HB3	12	1.32
(1,1439)	1:241:A:LEU:HD11	1:240:A:ARG:HB3	12	1.32
(1,607)	1:245:A:THR:HG21	1:244:A:ILE:HG23	10	1.32
(1,136)	1:255:B:PHE:HE1	1:251:A:MET:HE2	8	1.32
(3,2741)	1:243:A:ARG:H	1:246:A:ASP:HB3	20	1.31
(3,614)	1:214:B:GLU:HG2	1:210:B:LEU:HG	15	1.31
(1,1597)	1:262:A:LEU:HD11	1:259:B:ARG:HA	11	1.31
(1,608)	1:245:B:THR:HG21	1:244:B:ILE:HG23	10	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,566)	1:251:B:MET:HE3	1:249:A:VAL:HG22	9	1.31
(1,566)	1:251:B:MET:HE3	1:249:B:VAL:HG13	12	1.31
(1,565)	1:251:A:MET:HE1	1:249:B:VAL:HG23	7	1.31
(1,565)	1:251:A:MET:HE3	1:249:B:VAL:HG22	9	1.31
(1,565)	1:251:A:MET:HE1	1:249:B:VAL:HG23	10	1.31
(3,2742)	1:243:B:ARG:H	1:246:B:ASP:HB3	16	1.3
(3,2742)	1:243:B:ARG:H	1:246:B:ASP:HB3	20	1.3
(3,2741)	1:243:A:ARG:H	1:246:A:ASP:HB3	16	1.3
(3,185)	1:262:A:LEU:HD12	1:254:B:ASN:HD21	14	1.3
(1,1798)	1:239:B:GLU:HG3	1:243:B:ARG:HD3	17	1.3
(1,1598)	1:262:B:LEU:HD12	1:259:A:ARG:HA	4	1.3
(1,1598)	1:262:B:LEU:HD11	1:259:A:ARG:HA	11	1.3
(1,1580)	1:216:B:LEU:HD23	1:213:A:ASN:HB2	18	1.3
(1,1440)	1:241:B:LEU:HD12	1:240:B:ARG:HB3	8	1.3
(1,1439)	1:241:A:LEU:HD12	1:240:A:ARG:HB3	8	1.3
(1,565)	1:251:A:MET:HE3	1:249:A:VAL:HG13	12	1.3
(3,1404)	1:257:B:THR:HG21	1:258:B:LEU:HD22	1	1.29
(3,1403)	1:257:A:THR:HG21	1:258:A:LEU:HD22	1	1.29
(3,614)	1:214:B:GLU:HG2	1:210:B:LEU:HG	1	1.29
(3,186)	1:262:B:LEU:HD11	1:254:A:ASN:HD21	19	1.29
(1,1797)	1:239:A:GLU:HG3	1:243:A:ARG:HD3	17	1.29
(1,1598)	1:262:B:LEU:HD13	1:259:A:ARG:HA	17	1.29
(1,1597)	1:262:A:LEU:HD13	1:259:B:ARG:HA	17	1.29
(1,1440)	1:241:B:LEU:HD13	1:240:B:ARG:HB2	11	1.29
(1,1439)	1:241:A:LEU:HD13	1:240:A:ARG:HB2	11	1.29
(1,608)	1:245:B:THR:HG21	1:244:B:ILE:HG22	16	1.29
(1,607)	1:245:A:THR:HG21	1:244:A:ILE:HG22	16	1.29
(1,566)	1:251:B:MET:HE1	1:249:A:VAL:HG23	10	1.29
(1,566)	1:251:B:MET:HE1	1:249:B:VAL:HG12	14	1.29
(1,565)	1:251:A:MET:HE1	1:249:A:VAL:HG12	14	1.29
(3,1403)	1:257:A:THR:HG21	1:258:A:LEU:HD21	10	1.28
(3,186)	1:262:B:LEU:HD12	1:254:A:ASN:HD21	14	1.28
(3,185)	1:262:A:LEU:HD11	1:254:B:ASN:HD21	19	1.28
(1,2222)	1:228:B:LYS:HE3	1:226:B:GLU:HA	2	1.28
(1,2221)	1:228:A:LYS:HE3	1:226:A:GLU:HA	2	1.28
(1,2086)	1:228:B:LYS:HE3	1:225:B:VAL:HG21	19	1.28
(1,1628)	1:271:B:ARG:HD3	1:272:A:GLN:HG3	3	1.28
(1,1597)	1:262:A:LEU:HD12	1:259:B:ARG:HA	10	1.28
(1,1579)	1:216:A:LEU:HD23	1:213:B:ASN:HB2	18	1.28
(1,1440)	1:241:B:LEU:HD11	1:240:B:ARG:HB2	2	1.28
(1,1440)	1:241:B:LEU:HD12	1:240:B:ARG:HB2	20	1.28
(1,1439)	1:241:A:LEU:HD11	1:240:A:ARG:HB2	2	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1439)	1:241:A:LEU:HD12	1:240:A:ARG:HB2	20	1.28
(1,1364)	1:216:B:LEU:HD11	1:217:A:GLN:HG3	3	1.28
(1,1022)	1:266:B:GLN:HG3	1:262:B:LEU:HD11	16	1.28
(1,608)	1:245:B:THR:HG23	1:244:A:ILE:HD11	18	1.28
(1,607)	1:245:A:THR:HG23	1:244:B:ILE:HD11	18	1.28
(1,577)	1:257:A:THR:HG21	1:259:B:ARG:HD2	1	1.28
(3,2616)	1:270:B:ARG:HG2	1:270:B:ARG:H	11	1.27
(3,1404)	1:257:B:THR:HG21	1:258:B:LEU:HD21	10	1.27
(3,613)	1:214:A:GLU:HG2	1:210:A:LEU:HG	1	1.27
(1,2085)	1:228:A:LYS:HE3	1:225:A:VAL:HG21	19	1.27
(1,1597)	1:262:A:LEU:HD12	1:259:B:ARG:HA	4	1.27
(1,1362)	1:262:B:LEU:HD23	1:265:A:ALA:HB1	16	1.27
(1,1361)	1:262:A:LEU:HD23	1:265:B:ALA:HB1	16	1.27
(1,1021)	1:266:A:GLN:HG3	1:262:A:LEU:HD11	16	1.27
(3,2615)	1:270:A:ARG:HG2	1:270:A:ARG:H	11	1.26
(3,1404)	1:257:B:THR:HG21	1:258:B:LEU:HD21	8	1.26
(3,1404)	1:257:B:THR:HG21	1:258:B:LEU:HD23	13	1.26
(3,1404)	1:257:B:THR:HG21	1:258:B:LEU:HD21	16	1.26
(3,1404)	1:257:B:THR:HG22	1:258:B:LEU:HD23	19	1.26
(3,1403)	1:257:A:THR:HG23	1:258:A:LEU:HD21	6	1.26
(3,1403)	1:257:A:THR:HG21	1:258:A:LEU:HD21	8	1.26
(3,1403)	1:257:A:THR:HG21	1:258:A:LEU:HD23	13	1.26
(3,1403)	1:257:A:THR:HG21	1:258:A:LEU:HD21	16	1.26
(3,1403)	1:257:A:THR:HG22	1:258:A:LEU:HD23	19	1.26
(3,518)	1:251:B:MET:HG3	1:251:B:MET:HE3	1	1.26
(3,518)	1:251:B:MET:HG3	1:251:B:MET:HE1	3	1.26
(3,517)	1:251:A:MET:HG3	1:251:A:MET:HE3	1	1.26
(3,517)	1:251:A:MET:HG3	1:251:A:MET:HE1	3	1.26
(1,1598)	1:262:B:LEU:HD12	1:259:A:ARG:HA	10	1.26
(1,1440)	1:241:B:LEU:HD11	1:240:B:ARG:HB2	1	1.26
(1,1440)	1:241:B:LEU:HD13	1:240:B:ARG:HB2	15	1.26
(1,1439)	1:241:A:LEU:HD11	1:240:A:ARG:HB2	1	1.26
(1,1439)	1:241:A:LEU:HD13	1:240:A:ARG:HB3	5	1.26
(1,565)	1:251:A:MET:HE2	1:249:B:VAL:HG21	16	1.26
(1,565)	1:251:A:MET:HE2	1:249:A:VAL:HG13	20	1.26
(3,1404)	1:257:B:THR:HG23	1:258:B:LEU:HD21	6	1.25
(3,1404)	1:257:B:THR:HG22	1:258:B:LEU:HD23	7	1.25
(3,1403)	1:257:A:THR:HG22	1:258:A:LEU:HD21	5	1.25
(3,322)	1:227:B:ALA:HB2	1:226:A:GLU:HG3	10	1.25
(1,2284)	1:265:B:ALA:H	1:267:B:GLN:HG3	16	1.25
(1,2125)	1:225:A:VAL:HG23	1:227:A:ALA:HB1	1	1.25
(1,2125)	1:225:A:VAL:HG23	1:227:A:ALA:HB1	11	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1440)	1:241:B:LEU:HD13	1:240:B:ARG:HB3	5	1.25
(1,1440)	1:241:B:LEU:HD12	1:240:B:ARG:HB3	14	1.25
(1,1440)	1:241:B:LEU:HD13	1:240:B:ARG:HB3	19	1.25
(1,1439)	1:241:A:LEU:HD11	1:240:A:ARG:HB2	6	1.25
(1,1439)	1:241:A:LEU:HD12	1:240:A:ARG:HB3	14	1.25
(1,1439)	1:241:A:LEU:HD13	1:240:A:ARG:HB2	15	1.25
(1,1363)	1:216:A:LEU:HD11	1:217:B:GLN:HG3	3	1.25
(1,566)	1:251:B:MET:HE2	1:249:B:VAL:HG13	20	1.25
(3,1920)	1:210:B:LEU:HD11	1:207:B:ASP:HB2	11	1.24
(3,1404)	1:257:B:THR:HG22	1:258:B:LEU:HD21	5	1.24
(3,1403)	1:257:A:THR:HG22	1:258:A:LEU:HD23	7	1.24
(3,518)	1:251:B:MET:HG3	1:251:B:MET:HE3	12	1.24
(3,518)	1:251:B:MET:HG3	1:251:B:MET:HE3	13	1.24
(3,517)	1:251:A:MET:HG3	1:251:A:MET:HE3	10	1.24
(3,517)	1:251:A:MET:HG3	1:251:A:MET:HE3	12	1.24
(3,517)	1:251:A:MET:HG3	1:251:A:MET:HE3	13	1.24
(3,321)	1:227:A:ALA:HB2	1:226:B:GLU:HG3	10	1.24
(1,2283)	1:265:A:ALA:H	1:267:A:GLN:HG3	16	1.24
(1,2126)	1:225:B:VAL:HG23	1:227:B:ALA:HB1	1	1.24
(1,2126)	1:225:B:VAL:HG23	1:227:B:ALA:HB1	11	1.24
(1,1440)	1:241:B:LEU:HD11	1:240:B:ARG:HB2	3	1.24
(1,1440)	1:241:B:LEU:HD12	1:240:B:ARG:HB2	4	1.24
(1,1440)	1:241:B:LEU:HD11	1:240:B:ARG:HB2	6	1.24
(1,1440)	1:241:B:LEU:HD12	1:240:B:ARG:HB2	16	1.24
(1,1439)	1:241:A:LEU:HD11	1:240:A:ARG:HB2	3	1.24
(1,1439)	1:241:A:LEU:HD11	1:240:A:ARG:HB3	4	1.24
(1,1439)	1:241:A:LEU:HD12	1:240:A:ARG:HB2	16	1.24
(1,1439)	1:241:A:LEU:HD13	1:240:A:ARG:HB3	19	1.24
(1,608)	1:245:B:THR:HG22	1:244:B:ILE:HG22	4	1.24
(1,607)	1:245:A:THR:HG22	1:244:A:ILE:HG22	4	1.24
(3,1970)	1:229:B:ARG:HG3	1:225:B:VAL:HG12	11	1.23
(3,1969)	1:229:A:ARG:HG3	1:225:A:VAL:HG12	11	1.23
(3,1919)	1:210:A:LEU:HD11	1:207:A:ASP:HB2	11	1.23
(3,518)	1:251:B:MET:HG3	1:251:B:MET:HE3	10	1.23
(3,518)	1:251:B:MET:HG3	1:251:B:MET:HE1	14	1.23
(3,518)	1:251:B:MET:HG3	1:251:B:MET:HE2	20	1.23
(3,517)	1:251:A:MET:HG3	1:251:A:MET:HE2	20	1.23
(3,474)	1:246:B:ASP:HB3	1:243:B:ARG:HA	20	1.23
(3,473)	1:246:A:ASP:HB3	1:243:A:ARG:HA	20	1.23
(1,2212)	1:244:B:ILE:HG21	1:242:B:ASP:HB3	14	1.23
(1,2211)	1:244:A:ILE:HG21	1:242:A:ASP:HB3	14	1.23
(1,1798)	1:239:B:GLU:HG3	1:243:B:ARG:HD2	7	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1797)	1:239:A:GLU:HG3	1:243:A:ARG:HD2	7	1.23
(1,1735)	1:259:A:ARG:HD2	1:257:B:THR:HG22	19	1.23
(1,1628)	1:271:B:ARG:HD2	1:272:B:GLN:HG2	1	1.23
(1,1627)	1:271:A:ARG:HD2	1:272:A:GLN:HG2	1	1.23
(1,1598)	1:262:B:LEU:HD11	1:259:A:ARG:HA	7	1.23
(1,1598)	1:262:B:LEU:HD12	1:259:A:ARG:HA	18	1.23
(1,1580)	1:216:B:LEU:HD21	1:213:A:ASN:HB2	12	1.23
(1,1579)	1:216:A:LEU:HD21	1:213:B:ASN:HB2	12	1.23
(1,1440)	1:241:B:LEU:HD11	1:240:B:ARG:HB2	9	1.23
(1,1439)	1:241:A:LEU:HD11	1:240:A:ARG:HB2	9	1.23
(1,757)	1:256:A:GLU:HG2	1:252:A:LYS:HE3	11	1.23
(1,578)	1:257:B:THR:HG22	1:259:A:ARG:HD2	19	1.23
(1,577)	1:257:A:THR:HG21	1:259:B:ARG:HD2	16	1.23
(1,566)	1:251:B:MET:HE2	1:249:A:VAL:HG21	16	1.23
(1,274)	1:215:B:SER:HB2	1:219:B:LYS:HE2	6	1.23
(1,273)	1:215:A:SER:HB2	1:219:A:LYS:HE2	6	1.23
(3,1404)	1:257:B:THR:HG23	1:258:B:LEU:HD21	2	1.22
(3,1404)	1:257:B:THR:HG22	1:258:B:LEU:HD21	12	1.22
(3,1404)	1:257:B:THR:HG22	1:258:B:LEU:HD23	15	1.22
(3,1403)	1:257:A:THR:HG23	1:258:A:LEU:HD21	2	1.22
(3,1403)	1:257:A:THR:HG22	1:258:A:LEU:HD21	12	1.22
(3,1403)	1:257:A:THR:HG22	1:258:A:LEU:HD23	15	1.22
(3,1324)	1:266:B:GLN:HG3	1:262:B:LEU:HD11	16	1.22
(3,518)	1:251:B:MET:HG3	1:251:B:MET:HE1	15	1.22
(3,517)	1:251:A:MET:HG3	1:251:A:MET:HE1	14	1.22
(3,517)	1:251:A:MET:HG3	1:251:A:MET:HE1	15	1.22
(3,378)	1:234:B:ASN:HB2	1:233:A:PHE:HZ	10	1.22
(1,1736)	1:259:B:ARG:HD3	1:257:A:THR:HG23	9	1.22
(1,1735)	1:259:A:ARG:HD3	1:257:B:THR:HG23	9	1.22
(1,1597)	1:262:A:LEU:HD11	1:259:B:ARG:HA	7	1.22
(1,1597)	1:262:A:LEU:HD12	1:259:B:ARG:HA	18	1.22
(1,1576)	1:216:B:LEU:HD21	1:213:A:ASN:HD21	2	1.22
(1,1576)	1:216:B:LEU:HD21	1:213:A:ASN:HD21	3	1.22
(1,1575)	1:216:A:LEU:HD21	1:213:B:ASN:HD21	2	1.22
(1,758)	1:256:B:GLU:HG2	1:252:B:LYS:HE3	11	1.22
(1,607)	1:245:A:THR:HG21	1:244:B:ILE:HD12	5	1.22
(1,578)	1:257:B:THR:HG23	1:259:A:ARG:HD3	9	1.22
(1,577)	1:257:A:THR:HG23	1:259:B:ARG:HD3	9	1.22
(1,577)	1:257:A:THR:HG21	1:259:B:ARG:HD3	10	1.22
(1,566)	1:251:B:MET:HE1	1:249:B:VAL:HG11	19	1.22
(1,565)	1:251:A:MET:HE1	1:249:B:VAL:HG22	17	1.22
(1,565)	1:251:A:MET:HE1	1:249:A:VAL:HG11	19	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1323)	1:266:A:GLN:HG3	1:262:A:LEU:HD11	16	1.21
(3,613)	1:214:A:GLU:HG2	1:210:A:LEU:HG	3	1.21
(3,518)	1:251:B:MET:HG3	1:251:B:MET:HE1	19	1.21
(3,517)	1:251:A:MET:HG3	1:251:A:MET:HE1	19	1.21
(1,1627)	1:271:A:ARG:HD3	1:272:B:GLN:HG3	3	1.21
(1,1580)	1:216:B:LEU:HD22	1:213:A:ASN:HB2	5	1.21
(1,1579)	1:216:A:LEU:HD22	1:213:B:ASN:HB2	5	1.21
(1,1579)	1:216:A:LEU:HD22	1:213:B:ASN:HB2	16	1.21
(1,1439)	1:241:A:LEU:HD13	1:240:A:ARG:HB2	10	1.21
(1,1438)	1:240:B:ARG:HB2	1:241:B:LEU:HD23	12	1.21
(1,1437)	1:240:A:ARG:HB2	1:241:A:LEU:HD23	12	1.21
(1,1361)	1:262:A:LEU:HD22	1:265:B:ALA:HB2	19	1.21
(1,565)	1:251:A:MET:HE2	1:249:A:VAL:HG12	4	1.21
(1,72)	1:255:B:PHE:HD1	1:251:A:MET:HE3	19	1.21
(3,1404)	1:257:B:THR:HG22	1:258:B:LEU:HD22	11	1.2
(3,1404)	1:257:B:THR:HG23	1:258:B:LEU:HD22	20	1.2
(3,1403)	1:257:A:THR:HG22	1:258:A:LEU:HD22	11	1.2
(3,614)	1:214:B:GLU:HG2	1:210:B:LEU:HG	3	1.2
(1,2126)	1:225:B:VAL:HG22	1:227:B:ALA:HB3	9	1.2
(1,2125)	1:225:A:VAL:HG22	1:227:A:ALA:HB3	9	1.2
(1,1736)	1:259:B:ARG:HD2	1:257:A:THR:HG22	19	1.2
(1,1735)	1:259:A:ARG:HD3	1:260:A:THR:HG23	13	1.2
(1,1598)	1:262:B:LEU:HD11	1:259:A:ARG:HA	13	1.2
(1,1580)	1:216:B:LEU:HD22	1:213:A:ASN:HB2	16	1.2
(1,1440)	1:241:B:LEU:HD13	1:240:B:ARG:HB2	10	1.2
(1,1362)	1:262:B:LEU:HD22	1:265:A:ALA:HB2	19	1.2
(1,608)	1:245:B:THR:HG21	1:244:A:ILE:HD12	5	1.2
(1,577)	1:257:A:THR:HG22	1:259:B:ARG:HD2	19	1.2
(1,566)	1:251:B:MET:HE2	1:249:B:VAL:HG12	4	1.2
(1,37)	1:210:A:LEU:HD22	1:210:B:LEU:HB2	19	1.2
(3,1404)	1:257:B:THR:HG21	1:258:B:LEU:HD21	4	1.19
(3,1403)	1:257:A:THR:HG21	1:258:A:LEU:HD21	4	1.19
(3,1403)	1:257:A:THR:HG23	1:258:A:LEU:HD22	20	1.19
(3,1073)	1:249:A:VAL:HB	1:253:A:ASP:HB3	5	1.19
(1,2101)	1:228:A:LYS:HG3	1:224:A:GLU:HG3	16	1.19
(1,2085)	1:228:A:LYS:HE2	1:225:A:VAL:HG21	11	1.19
(1,1736)	1:259:B:ARG:HD3	1:260:B:THR:HG23	13	1.19
(1,1338)	1:216:B:LEU:HD12	1:219:B:LYS:HE3	13	1.19
(1,1337)	1:216:A:LEU:HD12	1:219:A:LYS:HE3	13	1.19
(1,566)	1:251:B:MET:HE1	1:249:A:VAL:HG22	17	1.19
(1,273)	1:215:A:SER:HB2	1:219:A:LYS:HE2	11	1.19
(1,72)	1:255:B:PHE:HD1	1:251:A:MET:HE1	20	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,71)	1:255:A:PHE:HD1	1:251:B:MET:HE3	19	1.19
(1,38)	1:210:B:LEU:HD22	1:210:A:LEU:HB2	19	1.19
(3,1403)	1:257:A:THR:HG23	1:258:A:LEU:HD23	9	1.18
(3,1074)	1:249:B:VAL:HB	1:253:B:ASP:HB3	5	1.18
(3,377)	1:234:A:ASN:HB2	1:233:B:PHE:HZ	10	1.18
(1,2126)	1:225:B:VAL:HG23	1:227:B:ALA:HB1	16	1.18
(1,2125)	1:225:A:VAL:HG23	1:227:A:ALA:HB1	16	1.18
(1,2102)	1:228:B:LYS:HG3	1:224:B:GLU:HG3	16	1.18
(1,2086)	1:228:B:LYS:HE2	1:225:B:VAL:HG21	11	1.18
(1,1797)	1:239:A:GLU:HG3	1:243:A:ARG:HD2	14	1.18
(1,1598)	1:262:B:LEU:HD12	1:259:A:ARG:HA	15	1.18
(1,1597)	1:262:A:LEU:HD11	1:259:B:ARG:HA	2	1.18
(1,1597)	1:262:A:LEU:HD11	1:259:B:ARG:HA	13	1.18
(1,1440)	1:241:B:LEU:HD13	1:240:B:ARG:HB2	17	1.18
(1,578)	1:257:B:THR:HG21	1:259:A:ARG:HD3	10	1.18
(1,578)	1:257:B:THR:HG21	1:259:A:ARG:HD2	16	1.18
(1,274)	1:215:B:SER:HB2	1:219:B:LYS:HE2	11	1.18
(3,1919)	1:210:A:LEU:HD13	1:207:A:ASP:HB2	20	1.17
(3,1404)	1:257:B:THR:HG23	1:258:B:LEU:HD23	9	1.17
(1,2126)	1:225:B:VAL:HG23	1:227:B:ALA:HB3	12	1.17
(1,2125)	1:225:A:VAL:HG23	1:227:A:ALA:HB3	12	1.17
(1,1798)	1:239:B:GLU:HG3	1:243:B:ARG:HD2	14	1.17
(1,1760)	1:259:B:ARG:HG2	1:257:B:THR:HG21	10	1.17
(1,1759)	1:259:A:ARG:HG2	1:257:A:THR:HG21	10	1.17
(1,1598)	1:262:B:LEU:HD12	1:259:A:ARG:HA	14	1.17
(1,1598)	1:262:B:LEU:HD11	1:259:A:ARG:HA	19	1.17
(1,1598)	1:262:B:LEU:HD11	1:259:A:ARG:HA	20	1.17
(1,1597)	1:262:A:LEU:HD12	1:259:B:ARG:HA	14	1.17
(1,1597)	1:262:A:LEU:HD11	1:259:B:ARG:HA	20	1.17
(1,1575)	1:216:A:LEU:HD21	1:213:B:ASN:HD21	3	1.17
(1,1439)	1:241:A:LEU:HD11	1:240:B:ARG:HB2	17	1.17
(1,1439)	1:241:A:LEU:HD13	1:240:A:ARG:HB2	18	1.17
(1,1362)	1:262:B:LEU:HD22	1:265:A:ALA:HB3	17	1.17
(1,1134)	1:234:B:ASN:HA	1:237:B:VAL:HG23	11	1.17
(1,1133)	1:234:A:ASN:HA	1:237:A:VAL:HG23	11	1.17
(1,856)	1:224:B:GLU:HG3	1:223:B:LEU:HB3	18	1.17
(1,855)	1:224:A:GLU:HG3	1:223:A:LEU:HB3	18	1.17
(1,578)	1:257:B:THR:HG22	1:259:A:ARG:HD3	15	1.17
(1,71)	1:255:A:PHE:HD2	1:251:B:MET:HE1	8	1.17
(1,71)	1:255:A:PHE:HD1	1:251:B:MET:HE1	20	1.17
(3,1920)	1:210:B:LEU:HD13	1:207:B:ASP:HB2	20	1.16
(3,474)	1:246:B:ASP:HB3	1:243:B:ARG:HA	6	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1759)	1:259:A:ARG:HG3	1:260:A:THR:HG21	15	1.16
(1,1736)	1:259:B:ARG:HD2	1:257:A:THR:HG23	17	1.16
(1,1598)	1:262:B:LEU:HD11	1:259:A:ARG:HA	2	1.16
(1,1597)	1:262:A:LEU:HD12	1:259:B:ARG:HA	15	1.16
(1,1597)	1:262:A:LEU:HD11	1:259:B:ARG:HA	19	1.16
(1,1440)	1:241:B:LEU:HD13	1:240:B:ARG:HB2	18	1.16
(1,1361)	1:262:A:LEU:HD21	1:265:B:ALA:HB2	1	1.16
(1,1314)	1:269:B:LEU:HG	1:271:B:ARG:HE	7	1.16
(1,1313)	1:269:A:LEU:HG	1:271:A:ARG:HE	7	1.16
(1,577)	1:257:A:THR:HG22	1:259:B:ARG:HD3	15	1.16
(1,577)	1:257:A:THR:HG23	1:259:B:ARG:HD2	17	1.16
(1,566)	1:251:B:MET:HE1	1:249:A:VAL:HG23	13	1.16
(1,566)	1:251:B:MET:HE3	1:249:A:VAL:HG21	18	1.16
(1,72)	1:255:B:PHE:HD2	1:251:A:MET:HE1	8	1.16
(3,1404)	1:257:B:THR:HG22	1:258:B:LEU:HD23	18	1.15
(3,1403)	1:257:A:THR:HG22	1:258:A:LEU:HD23	18	1.15
(3,1224)	1:244:B:ILE:HG22	1:244:B:ILE:HG13	14	1.15
(3,1223)	1:244:A:ILE:HG22	1:244:A:ILE:HG13	14	1.15
(1,2126)	1:225:B:VAL:HG23	1:227:B:ALA:HB1	10	1.15
(1,2125)	1:225:A:VAL:HG23	1:227:A:ALA:HB1	10	1.15
(1,2119)	1:219:A:LYS:HE2	1:216:B:LEU:HD22	6	1.15
(1,2086)	1:228:B:LYS:HE2	1:225:B:VAL:HG23	15	1.15
(1,1598)	1:262:B:LEU:HD13	1:259:A:ARG:HA	3	1.15
(1,1598)	1:262:B:LEU:HD11	1:259:A:ARG:HA	12	1.15
(1,1597)	1:262:A:LEU:HD13	1:259:B:ARG:HA	3	1.15
(1,1597)	1:262:A:LEU:HD11	1:259:B:ARG:HA	12	1.15
(1,1361)	1:262:A:LEU:HD22	1:265:B:ALA:HB3	17	1.15
(1,948)	1:273:B:GLN:HA	1:269:B:LEU:HD23	18	1.15
(1,565)	1:251:A:MET:HE1	1:249:B:VAL:HG23	13	1.15
(1,202)	1:255:B:PHE:HZ	1:258:A:LEU:HB3	14	1.15
(3,2615)	1:270:A:ARG:HG2	1:270:A:ARG:H	3	1.14
(3,1403)	1:257:A:THR:HG23	1:258:A:LEU:HD21	17	1.14
(3,1306)	1:258:B:LEU:HD13	1:254:B:ASN:HD21	8	1.14
(3,1305)	1:258:A:LEU:HD13	1:254:A:ASN:HD21	8	1.14
(3,1224)	1:244:B:ILE:HG23	1:244:B:ILE:HG13	4	1.14
(3,1224)	1:244:B:ILE:HG23	1:244:B:ILE:HG13	16	1.14
(3,1223)	1:244:A:ILE:HG23	1:244:A:ILE:HG13	4	1.14
(3,1223)	1:244:A:ILE:HG23	1:244:A:ILE:HG13	16	1.14
(3,741)	1:226:A:GLU:HG3	1:227:B:ALA:HB2	10	1.14
(3,473)	1:246:A:ASP:HB3	1:243:A:ARG:HA	6	1.14
(1,2123)	1:225:A:VAL:HG13	1:224:A:GLU:HA	17	1.14
(1,2120)	1:219:B:LYS:HE2	1:216:A:LEU:HD22	6	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2086)	1:228:B:LYS:HE2	1:225:B:VAL:HG23	5	1.14
(1,2086)	1:228:B:LYS:HE3	1:225:B:VAL:HG21	6	1.14
(1,2085)	1:228:A:LYS:HE3	1:225:A:VAL:HG21	6	1.14
(1,2085)	1:228:A:LYS:HE2	1:225:A:VAL:HG23	15	1.14
(1,1760)	1:259:B:ARG:HG3	1:260:B:THR:HG21	15	1.14
(1,1735)	1:259:A:ARG:HD2	1:257:B:THR:HG22	11	1.14
(1,1598)	1:262:B:LEU:HD13	1:259:A:ARG:HA	8	1.14
(1,1597)	1:262:A:LEU:HD13	1:259:B:ARG:HA	8	1.14
(1,947)	1:273:A:GLN:HA	1:269:A:LEU:HD23	18	1.14
(1,578)	1:257:B:THR:HG22	1:259:A:ARG:HD2	11	1.14
(1,565)	1:251:A:MET:HE3	1:249:B:VAL:HG21	18	1.14
(3,2742)	1:243:B:ARG:H	1:246:B:ASP:HB3	6	1.13
(3,2616)	1:270:B:ARG:HG2	1:270:B:ARG:H	3	1.13
(3,2616)	1:270:B:ARG:HG2	1:270:B:ARG:H	7	1.13
(3,2616)	1:270:B:ARG:HG2	1:270:B:ARG:H	8	1.13
(3,1549)	1:223:A:LEU:HD12	1:224:B:GLU:HG3	16	1.13
(3,1404)	1:257:B:THR:HG23	1:258:B:LEU:HD21	17	1.13
(3,1298)	1:269:B:LEU:HD22	1:273:B:GLN:HE22	10	1.13
(3,742)	1:226:B:GLU:HG3	1:227:A:ALA:HB2	10	1.13
(3,377)	1:234:A:ASN:HB2	1:233:B:PHE:HZ	20	1.13
(1,2239)	1:244:A:ILE:HG21	1:251:B:MET:HB2	16	1.13
(1,2124)	1:225:B:VAL:HG13	1:224:B:GLU:HA	17	1.13
(1,2085)	1:228:A:LYS:HE2	1:225:A:VAL:HG23	5	1.13
(1,1362)	1:262:B:LEU:HD21	1:265:A:ALA:HB2	1	1.13
(1,1362)	1:262:B:LEU:HD21	1:265:A:ALA:HB1	5	1.13
(1,1361)	1:262:A:LEU:HD21	1:265:B:ALA:HB1	5	1.13
(1,1134)	1:234:B:ASN:HA	1:237:B:VAL:HG22	13	1.13
(1,1133)	1:234:A:ASN:HA	1:237:A:VAL:HG22	13	1.13
(1,542)	1:251:B:MET:HE3	1:248:A:PHE:HB3	9	1.13
(1,541)	1:251:A:MET:HE3	1:248:B:PHE:HB3	9	1.13
(1,201)	1:255:A:PHE:HZ	1:258:B:LEU:HB3	14	1.13
(1,71)	1:255:A:PHE:HD2	1:251:B:MET:HE3	14	1.13
(3,2615)	1:270:A:ARG:HG2	1:270:A:ARG:H	7	1.12
(3,2615)	1:270:A:ARG:HG2	1:270:A:ARG:H	8	1.12
(3,1550)	1:223:B:LEU:HD12	1:224:A:GLU:HG3	16	1.12
(3,1403)	1:257:A:THR:HG21	1:258:A:LEU:HD21	3	1.12
(3,1224)	1:244:B:ILE:HG21	1:244:B:ILE:HG13	9	1.12
(3,1223)	1:244:A:ILE:HG21	1:244:A:ILE:HG13	9	1.12
(1,2086)	1:228:B:LYS:HE3	1:225:B:VAL:HG23	16	1.12
(1,2085)	1:228:A:LYS:HE3	1:225:A:VAL:HG23	16	1.12
(1,1797)	1:239:A:GLU:HG3	1:243:A:ARG:HD3	16	1.12
(1,1736)	1:259:B:ARG:HD2	1:257:A:THR:HG22	11	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1598)	1:262:B:LEU:HD13	1:259:A:ARG:HA	6	1.12
(1,1598)	1:262:B:LEU:HD11	1:259:A:ARG:HA	9	1.12
(1,1598)	1:262:B:LEU:HD12	1:259:A:ARG:HA	16	1.12
(1,1597)	1:262:A:LEU:HD13	1:259:B:ARG:HA	6	1.12
(1,1597)	1:262:A:LEU:HD11	1:259:B:ARG:HA	9	1.12
(1,1361)	1:262:A:LEU:HD23	1:265:B:ALA:HB2	15	1.12
(1,577)	1:257:A:THR:HG22	1:259:B:ARG:HD2	11	1.12
(1,544)	1:251:B:MET:HE1	1:255:A:PHE:HB3	8	1.12
(1,273)	1:215:A:SER:HB2	1:219:A:LYS:HE2	14	1.12
(1,135)	1:251:A:MET:HE1	1:255:A:PHE:HE1	20	1.12
(1,72)	1:255:B:PHE:HD2	1:251:A:MET:HE3	14	1.12
(3,2741)	1:243:A:ARG:H	1:246:A:ASP:HB3	6	1.11
(3,1404)	1:257:B:THR:HG21	1:258:B:LEU:HD21	3	1.11
(3,1297)	1:269:A:LEU:HD22	1:273:A:GLN:HE22	10	1.11
(3,1224)	1:244:B:ILE:HG22	1:244:B:ILE:HG13	7	1.11
(3,1224)	1:244:B:ILE:HG23	1:244:B:ILE:HG13	17	1.11
(3,1223)	1:244:A:ILE:HG22	1:244:A:ILE:HG13	7	1.11
(3,1223)	1:244:A:ILE:HG23	1:244:A:ILE:HG13	19	1.11
(3,942)	1:265:B:ALA:HB1	1:266:B:GLN:HG3	7	1.11
(3,941)	1:265:A:ALA:HB1	1:266:A:GLN:HG3	7	1.11
(1,2240)	1:244:B:ILE:HG21	1:251:A:MET:HB2	16	1.11
(1,2124)	1:225:B:VAL:HG13	1:224:B:GLU:HA	3	1.11
(1,2124)	1:225:B:VAL:HG11	1:224:B:GLU:HA	4	1.11
(1,2123)	1:225:A:VAL:HG13	1:224:A:GLU:HA	3	1.11
(1,1598)	1:262:B:LEU:HD12	1:259:A:ARG:HA	5	1.11
(1,1597)	1:262:A:LEU:HD12	1:259:B:ARG:HA	5	1.11
(1,1362)	1:262:B:LEU:HD21	1:265:A:ALA:HB2	10	1.11
(1,1335)	1:269:A:LEU:HD11	1:268:B:LYS:HB2	16	1.11
(1,543)	1:251:A:MET:HE1	1:255:B:PHE:HB3	8	1.11
(1,136)	1:251:B:MET:HE1	1:255:B:PHE:HE1	20	1.11
(3,1224)	1:244:B:ILE:HG23	1:244:B:ILE:HG13	3	1.1
(3,1224)	1:244:B:ILE:HG21	1:244:B:ILE:HG13	6	1.1
(3,1224)	1:244:B:ILE:HG21	1:244:B:ILE:HG13	10	1.1
(3,1224)	1:244:B:ILE:HG22	1:244:B:ILE:HG13	12	1.1
(3,1224)	1:244:B:ILE:HG23	1:244:B:ILE:HG13	18	1.1
(3,1224)	1:244:B:ILE:HG23	1:244:B:ILE:HG13	19	1.1
(3,1224)	1:244:B:ILE:HG23	1:244:B:ILE:HG13	20	1.1
(3,1223)	1:244:A:ILE:HG23	1:244:A:ILE:HG13	3	1.1
(3,1223)	1:244:A:ILE:HG21	1:244:A:ILE:HG13	6	1.1
(3,1223)	1:244:A:ILE:HG21	1:244:A:ILE:HG13	10	1.1
(3,1223)	1:244:A:ILE:HG22	1:244:A:ILE:HG13	12	1.1
(3,1223)	1:244:A:ILE:HG23	1:244:A:ILE:HG13	17	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1223)	1:244:A:ILE:HG23	1:244:A:ILE:HG13	18	1.1
(3,1223)	1:244:A:ILE:HG23	1:244:A:ILE:HG13	20	1.1
(3,1074)	1:249:B:VAL:HB	1:253:B:ASP:HB3	4	1.1
(3,1073)	1:249:A:VAL:HB	1:253:A:ASP:HB3	4	1.1
(1,2125)	1:225:A:VAL:HG22	1:227:A:ALA:HB3	4	1.1
(1,2123)	1:225:A:VAL:HG11	1:224:A:GLU:HA	4	1.1
(1,2123)	1:225:A:VAL:HG12	1:224:A:GLU:HA	6	1.1
(1,1902)	1:264:B:GLU:HG2	1:268:B:LYS:HE2	20	1.1
(1,1798)	1:239:B:GLU:HG3	1:243:B:ARG:HD3	16	1.1
(1,1597)	1:262:A:LEU:HD12	1:259:B:ARG:HA	16	1.1
(1,1361)	1:262:A:LEU:HD21	1:265:B:ALA:HB2	7	1.1
(1,1336)	1:269:B:LEU:HD11	1:268:A:LYS:HB2	16	1.1
(1,1133)	1:234:A:ASN:HA	1:237:A:VAL:HG22	7	1.1
(1,856)	1:224:B:GLU:HG3	1:223:B:LEU:HB3	16	1.1
(1,855)	1:224:A:GLU:HG3	1:223:A:LEU:HB3	16	1.1
(1,274)	1:215:B:SER:HB2	1:219:B:LYS:HE2	14	1.1
(3,1920)	1:210:B:LEU:HD12	1:207:B:ASP:HB2	18	1.09
(3,1919)	1:210:A:LEU:HD12	1:207:A:ASP:HB2	18	1.09
(3,1550)	1:223:B:LEU:HD11	1:224:A:GLU:HG3	18	1.09
(3,1549)	1:223:A:LEU:HD12	1:224:B:GLU:HG3	17	1.09
(3,1404)	1:257:B:THR:HG22	1:258:B:LEU:HD23	14	1.09
(3,1224)	1:244:B:ILE:HG23	1:244:B:ILE:HG13	1	1.09
(3,1224)	1:244:B:ILE:HG23	1:244:B:ILE:HG13	5	1.09
(3,1224)	1:244:B:ILE:HG23	1:244:B:ILE:HG13	11	1.09
(3,1224)	1:244:B:ILE:HG22	1:244:B:ILE:HG13	13	1.09
(3,1223)	1:244:A:ILE:HG23	1:244:A:ILE:HG13	1	1.09
(3,1223)	1:244:A:ILE:HG23	1:244:A:ILE:HG13	5	1.09
(3,1223)	1:244:A:ILE:HG23	1:244:A:ILE:HG13	8	1.09
(3,1223)	1:244:A:ILE:HG23	1:244:A:ILE:HG13	11	1.09
(3,1223)	1:244:A:ILE:HG22	1:244:A:ILE:HG13	13	1.09
(3,713)	1:239:A:GLU:HG3	1:243:A:ARG:HG3	16	1.09
(3,474)	1:246:B:ASP:HB3	1:243:B:ARG:HA	16	1.09
(3,473)	1:246:A:ASP:HB3	1:243:A:ARG:HA	16	1.09
(1,2126)	1:225:B:VAL:HG22	1:227:B:ALA:HB3	4	1.09
(1,2124)	1:225:B:VAL:HG12	1:224:B:GLU:HA	6	1.09
(1,2123)	1:225:A:VAL:HG11	1:224:A:GLU:HA	9	1.09
(1,2123)	1:225:A:VAL:HG11	1:224:A:GLU:HA	12	1.09
(1,1901)	1:264:A:GLU:HG2	1:268:A:LYS:HE2	20	1.09
(1,1868)	1:240:B:ARG:HG2	1:241:A:LEU:HD22	13	1.09
(1,1867)	1:240:A:ARG:HG2	1:241:B:LEU:HD22	13	1.09
(1,1579)	1:216:A:LEU:HD22	1:213:B:ASN:HB2	17	1.09
(1,1439)	1:241:A:LEU:HD12	1:240:A:ARG:HB2	7	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1362)	1:262:B:LEU:HD23	1:265:A:ALA:HB2	15	1.09
(1,1134)	1:234:B:ASN:HA	1:237:B:VAL:HG23	2	1.09
(1,1134)	1:234:B:ASN:HA	1:237:B:VAL:HG22	7	1.09
(1,1133)	1:234:A:ASN:HA	1:237:A:VAL:HG23	2	1.09
(1,566)	1:251:B:MET:HE3	1:249:A:VAL:HG22	3	1.09
(3,1890)	1:216:B:LEU:HD11	1:217:A:GLN:HE21	14	1.08
(3,1549)	1:223:A:LEU:HD11	1:224:B:GLU:HG3	18	1.08
(3,1403)	1:257:A:THR:HG22	1:258:A:LEU:HD23	14	1.08
(3,1224)	1:244:B:ILE:HG23	1:244:B:ILE:HG13	2	1.08
(3,1224)	1:244:B:ILE:HG23	1:244:B:ILE:HG13	8	1.08
(3,1224)	1:244:B:ILE:HG21	1:244:B:ILE:HG13	15	1.08
(3,1223)	1:244:A:ILE:HG23	1:244:A:ILE:HG13	2	1.08
(3,1223)	1:244:A:ILE:HG21	1:244:A:ILE:HG13	15	1.08
(3,942)	1:265:B:ALA:HB1	1:266:B:GLN:HG3	19	1.08
(3,941)	1:265:A:ALA:HB1	1:266:A:GLN:HG3	19	1.08
(1,2124)	1:225:B:VAL:HG12	1:224:B:GLU:HA	1	1.08
(1,2124)	1:225:B:VAL:HG11	1:224:B:GLU:HA	7	1.08
(1,2124)	1:225:B:VAL:HG13	1:224:B:GLU:HA	9	1.08
(1,2124)	1:225:B:VAL:HG11	1:224:B:GLU:HA	12	1.08
(1,2123)	1:225:A:VAL:HG12	1:224:A:GLU:HA	1	1.08
(1,2123)	1:225:A:VAL:HG11	1:224:A:GLU:HA	7	1.08
(1,2119)	1:219:A:LYS:HE2	1:216:B:LEU:HD23	2	1.08
(1,2085)	1:228:A:LYS:HE3	1:225:A:VAL:HG22	13	1.08
(1,1735)	1:259:A:ARG:HD2	1:257:B:THR:HG23	17	1.08
(1,1598)	1:262:B:LEU:HD12	1:259:A:ARG:HA	1	1.08
(1,578)	1:257:B:THR:HG23	1:259:A:ARG:HD2	17	1.08
(1,201)	1:255:A:PHE:HZ	1:258:B:LEU:HB3	19	1.08
(1,37)	1:210:A:LEU:HD21	1:210:B:LEU:HB2	20	1.08
(3,1889)	1:216:A:LEU:HD11	1:217:B:GLN:HE21	14	1.07
(3,1550)	1:223:B:LEU:HD12	1:224:A:GLU:HG3	17	1.07
(3,942)	1:265:B:ALA:HB2	1:266:B:GLN:HG3	12	1.07
(3,941)	1:265:A:ALA:HB2	1:266:A:GLN:HG3	12	1.07
(3,714)	1:239:B:GLU:HG3	1:243:B:ARG:HG3	16	1.07
(3,186)	1:262:B:LEU:HD12	1:254:A:ASN:HD21	1	1.07
(1,2221)	1:268:A:LYS:HE2	1:272:B:GLN:HA	15	1.07
(1,2126)	1:225:B:VAL:HG22	1:227:B:ALA:HB3	5	1.07
(1,2126)	1:225:B:VAL:HG21	1:227:B:ALA:HB1	14	1.07
(1,2125)	1:225:A:VAL:HG22	1:227:A:ALA:HB3	5	1.07
(1,2125)	1:225:A:VAL:HG21	1:227:A:ALA:HB1	14	1.07
(1,2120)	1:219:B:LYS:HE2	1:216:A:LEU:HD23	2	1.07
(1,2086)	1:228:B:LYS:HE3	1:225:B:VAL:HG22	13	1.07
(1,1597)	1:262:A:LEU:HD12	1:259:B:ARG:HA	1	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1438)	1:240:B:ARG:HB2	1:241:B:LEU:HD21	8	1.07
(1,1437)	1:240:A:ARG:HB2	1:241:A:LEU:HD21	8	1.07
(1,1361)	1:262:A:LEU:HD21	1:265:B:ALA:HB2	10	1.07
(1,1134)	1:234:B:ASN:HA	1:237:B:VAL:HG23	10	1.07
(1,1134)	1:234:B:ASN:HA	1:237:B:VAL:HG22	14	1.07
(1,1133)	1:234:A:ASN:HA	1:237:A:VAL:HG23	10	1.07
(1,1133)	1:234:A:ASN:HA	1:237:A:VAL:HG22	14	1.07
(1,202)	1:255:B:PHE:HZ	1:258:A:LEU:HB3	19	1.07
(1,201)	1:255:A:PHE:HZ	1:258:B:LEU:HB3	18	1.07
(1,72)	1:255:B:PHE:HD1	1:251:A:MET:HE2	13	1.07
(3,941)	1:265:A:ALA:HB2	1:266:A:GLN:HG3	4	1.06
(3,378)	1:234:B:ASN:HB2	1:233:A:PHE:HZ	20	1.06
(3,185)	1:262:A:LEU:HD12	1:254:B:ASN:HD21	1	1.06
(1,2124)	1:225:B:VAL:HG12	1:222:B:SER:HB3	11	1.06
(1,2123)	1:225:A:VAL:HG11	1:224:A:GLU:HA	11	1.06
(1,2123)	1:225:A:VAL:HG12	1:224:A:GLU:HA	18	1.06
(1,1580)	1:216:B:LEU:HD22	1:213:A:ASN:HB2	17	1.06
(1,1362)	1:262:B:LEU:HD23	1:265:A:ALA:HB2	9	1.06
(1,1361)	1:262:A:LEU:HD23	1:265:B:ALA:HB2	9	1.06
(1,1134)	1:234:B:ASN:HA	1:237:B:VAL:HG21	3	1.06
(1,1134)	1:234:B:ASN:HA	1:237:B:VAL:HG21	8	1.06
(1,1134)	1:234:B:ASN:HA	1:237:B:VAL:HG21	17	1.06
(1,1133)	1:234:A:ASN:HA	1:237:A:VAL:HG21	3	1.06
(1,1133)	1:234:A:ASN:HA	1:237:A:VAL:HG21	8	1.06
(1,1133)	1:234:A:ASN:HA	1:237:A:VAL:HG21	17	1.06
(1,856)	1:224:B:GLU:HG3	1:223:B:LEU:HB3	17	1.06
(1,855)	1:224:A:GLU:HG3	1:223:A:LEU:HB3	17	1.06
(1,72)	1:255:B:PHE:HD2	1:251:A:MET:HE3	18	1.06
(3,942)	1:265:B:ALA:HB2	1:266:B:GLN:HG3	4	1.05
(3,942)	1:265:B:ALA:HB1	1:266:B:GLN:HG3	9	1.05
(3,928)	1:267:B:GLN:HG3	1:267:B:GLN:H	3	1.05
(3,927)	1:267:A:GLN:HG3	1:267:A:GLN:H	3	1.05
(1,2222)	1:268:B:LYS:HE2	1:272:A:GLN:HA	15	1.05
(1,2125)	1:225:A:VAL:HG22	1:227:A:ALA:HB2	20	1.05
(1,2124)	1:225:B:VAL:HG12	1:224:B:GLU:HA	18	1.05
(1,1628)	1:271:B:ARG:HD2	1:272:A:GLN:HG3	2	1.05
(1,1438)	1:240:B:ARG:HB2	1:241:B:LEU:HD23	13	1.05
(1,1437)	1:240:A:ARG:HB2	1:241:A:LEU:HD23	13	1.05
(1,1362)	1:262:B:LEU:HD21	1:265:A:ALA:HB1	6	1.05
(1,1361)	1:262:A:LEU:HD23	1:265:B:ALA:HB3	3	1.05
(1,1361)	1:262:A:LEU:HD21	1:265:B:ALA:HB1	6	1.05
(1,1172)	1:225:B:VAL:HG23	1:228:B:LYS:HD3	16	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1171)	1:225:A:VAL:HG23	1:228:A:LYS:HD3	16	1.05
(1,607)	1:245:A:THR:HG23	1:244:A:ILE:HG21	14	1.05
(1,565)	1:251:A:MET:HE3	1:249:B:VAL:HG22	3	1.05
(1,274)	1:215:B:SER:HB2	1:219:B:LYS:HE2	20	1.05
(1,273)	1:215:A:SER:HB2	1:219:A:LYS:HE2	20	1.05
(1,202)	1:255:B:PHE:HZ	1:258:A:LEU:HB3	18	1.05
(1,136)	1:251:B:MET:HE3	1:255:B:PHE:HE1	19	1.05
(1,71)	1:255:A:PHE:HD1	1:251:B:MET:HE2	13	1.05
(1,38)	1:210:B:LEU:HD21	1:210:A:LEU:HB2	20	1.05
(3,2616)	1:270:B:ARG:HG2	1:270:B:ARG:H	9	1.04
(3,2615)	1:270:A:ARG:HG2	1:270:A:ARG:H	9	1.04
(3,1074)	1:249:B:VAL:HB	1:253:B:ASP:HB3	20	1.04
(3,1073)	1:249:A:VAL:HB	1:253:A:ASP:HB3	20	1.04
(3,942)	1:265:B:ALA:HB1	1:266:B:GLN:HG3	15	1.04
(3,941)	1:265:A:ALA:HB1	1:266:A:GLN:HG3	9	1.04
(3,941)	1:265:A:ALA:HB1	1:266:A:GLN:HG3	15	1.04
(1,2240)	1:244:B:ILE:HG21	1:251:A:MET:HB2	17	1.04
(1,2239)	1:244:A:ILE:HG21	1:251:B:MET:HB2	17	1.04
(1,2222)	1:268:B:LYS:HE2	1:272:A:GLN:HA	1	1.04
(1,2126)	1:225:B:VAL:HG23	1:227:B:ALA:HB1	6	1.04
(1,2126)	1:225:B:VAL:HG22	1:227:B:ALA:HB2	20	1.04
(1,2125)	1:225:A:VAL:HG23	1:227:A:ALA:HB1	6	1.04
(1,2124)	1:225:B:VAL:HG13	1:224:B:GLU:HA	14	1.04
(1,2123)	1:225:A:VAL:HG13	1:224:A:GLU:HA	14	1.04
(1,1364)	1:216:B:LEU:HD13	1:217:A:GLN:HG3	18	1.04
(1,1362)	1:262:B:LEU:HD21	1:265:A:ALA:HB2	7	1.04
(1,1361)	1:262:A:LEU:HD23	1:265:B:ALA:HB3	13	1.04
(1,1134)	1:234:B:ASN:HA	1:237:B:VAL:HG21	12	1.04
(1,1133)	1:234:A:ASN:HA	1:237:A:VAL:HG22	4	1.04
(1,608)	1:245:B:THR:HG23	1:244:B:ILE:HG21	14	1.04
(1,135)	1:251:A:MET:HE3	1:255:A:PHE:HE1	19	1.04
(1,71)	1:255:A:PHE:HD2	1:251:B:MET:HE3	18	1.04
(3,942)	1:265:B:ALA:HB2	1:266:B:GLN:HG3	8	1.03
(3,941)	1:265:A:ALA:HB2	1:266:A:GLN:HG3	8	1.03
(1,2221)	1:268:A:LYS:HE3	1:272:B:GLN:HA	4	1.03
(1,2126)	1:225:B:VAL:HG21	1:227:B:ALA:HB3	17	1.03
(1,2126)	1:225:B:VAL:HG22	1:227:B:ALA:HB3	18	1.03
(1,2125)	1:225:A:VAL:HG21	1:227:A:ALA:HB3	17	1.03
(1,2125)	1:225:A:VAL:HG22	1:227:A:ALA:HB3	18	1.03
(1,2124)	1:225:B:VAL:HG13	1:224:B:GLU:HA	13	1.03
(1,2124)	1:225:B:VAL:HG12	1:224:B:GLU:HA	15	1.03
(1,2123)	1:225:A:VAL:HG12	1:224:A:GLU:HA	15	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2123)	1:225:A:VAL:HG11	1:224:A:GLU:HA	19	1.03
(1,1440)	1:241:B:LEU:HD13	1:240:A:ARG:HB2	7	1.03
(1,1363)	1:216:A:LEU:HD13	1:217:B:GLN:HG3	18	1.03
(1,1134)	1:234:B:ASN:HA	1:237:B:VAL:HG22	4	1.03
(1,1134)	1:234:B:ASN:HA	1:237:B:VAL:HG23	5	1.03
(1,1133)	1:234:A:ASN:HA	1:237:A:VAL:HG21	12	1.03
(3,1305)	1:258:A:LEU:HD12	1:254:A:ASN:HD21	20	1.02
(3,941)	1:265:A:ALA:HB1	1:266:A:GLN:HG3	1	1.02
(1,2124)	1:225:B:VAL:HG11	1:224:B:GLU:HA	2	1.02
(1,2124)	1:225:B:VAL:HG11	1:224:B:GLU:HA	19	1.02
(1,2123)	1:225:A:VAL:HG11	1:224:A:GLU:HA	2	1.02
(1,2123)	1:225:A:VAL:HG13	1:224:A:GLU:HA	13	1.02
(1,2120)	1:219:B:LYS:HE2	1:216:A:LEU:HD23	10	1.02
(1,2119)	1:219:A:LYS:HE2	1:216:B:LEU:HD23	10	1.02
(1,1422)	1:258:B:LEU:HD21	1:255:A:PHE:HB2	2	1.02
(1,1422)	1:258:B:LEU:HD22	1:255:A:PHE:HB2	11	1.02
(1,1362)	1:262:B:LEU:HD23	1:265:A:ALA:HB3	13	1.02
(1,1133)	1:234:A:ASN:HA	1:237:A:VAL:HG23	5	1.02
(1,542)	1:251:B:MET:HE2	1:248:B:PHE:HB2	3	1.02
(1,530)	1:251:B:MET:HE2	1:255:A:PHE:H	9	1.02
(1,529)	1:251:A:MET:HE2	1:255:B:PHE:H	9	1.02
(1,135)	1:255:A:PHE:HE2	1:251:B:MET:HE3	14	1.02
(3,1297)	1:269:A:LEU:HD21	1:273:A:GLN:HE22	15	1.01
(3,972)	1:238:B:GLN:HG3	1:233:A:PHE:HZ	10	1.01
(3,942)	1:265:B:ALA:HB1	1:266:B:GLN:HG3	1	1.01
(3,942)	1:265:B:ALA:HB3	1:266:B:GLN:HG3	11	1.01
(3,941)	1:265:A:ALA:HB3	1:266:A:GLN:HG3	11	1.01
(3,560)	1:257:B:THR:HG21	1:261:B:GLU:HG2	16	1.01
(1,2240)	1:244:B:ILE:HG22	1:251:A:MET:HB2	6	1.01
(1,2239)	1:244:A:ILE:HG22	1:251:B:MET:HB2	6	1.01
(1,1975)	1:249:A:VAL:HG22	1:252:A:LYS:HE2	14	1.01
(1,1421)	1:258:A:LEU:HD21	1:255:B:PHE:HB2	2	1.01
(1,1421)	1:258:A:LEU:HD22	1:255:B:PHE:HB2	11	1.01
(1,1362)	1:262:B:LEU:HD23	1:265:A:ALA:HB3	3	1.01
(1,1362)	1:262:B:LEU:HD22	1:265:A:ALA:HB3	4	1.01
(1,1134)	1:234:B:ASN:HA	1:237:B:VAL:HG21	9	1.01
(1,1134)	1:234:B:ASN:HA	1:237:B:VAL:HG21	15	1.01
(1,1133)	1:234:A:ASN:HA	1:237:A:VAL:HG21	9	1.01
(1,1133)	1:234:A:ASN:HA	1:237:A:VAL:HG21	15	1.01
(1,541)	1:251:A:MET:HE2	1:248:A:PHE:HB2	3	1.01
(1,274)	1:215:B:SER:HB2	1:219:B:LYS:HE3	4	1.01
(1,273)	1:215:A:SER:HB2	1:219:A:LYS:HE3	4	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,72)	1:255:B:PHE:HD1	1:251:A:MET:HE3	15	1.01
(3,2616)	1:270:B:ARG:HG2	1:270:B:ARG:H	6	1.0
(3,2616)	1:270:B:ARG:HG2	1:270:B:ARG:H	16	1.0
(3,2615)	1:270:A:ARG:HG2	1:270:A:ARG:H	6	1.0
(3,2615)	1:270:A:ARG:HG2	1:270:A:ARG:H	16	1.0
(3,1306)	1:258:B:LEU:HD12	1:254:B:ASN:HD21	20	1.0
(3,1074)	1:249:B:VAL:HB	1:253:B:ASP:HB3	15	1.0
(3,1073)	1:249:A:VAL:HB	1:253:A:ASP:HB3	15	1.0
(3,559)	1:257:A:THR:HG21	1:261:A:GLU:HG2	16	1.0
(1,2221)	1:268:A:LYS:HE2	1:272:B:GLN:HA	1	1.0
(1,1976)	1:249:B:VAL:HG22	1:252:B:LYS:HE2	14	1.0
(1,1627)	1:271:A:ARG:HD2	1:272:B:GLN:HG3	2	1.0
(1,1361)	1:262:A:LEU:HD22	1:265:B:ALA:HB3	4	1.0
(1,1133)	1:234:A:ASN:HA	1:237:A:VAL:HG23	16	1.0
(1,625)	1:214:A:GLU:HG2	1:210:A:LEU:HD12	3	1.0
(1,543)	1:251:A:MET:HE1	1:255:B:PHE:HB2	18	1.0
(1,202)	1:255:B:PHE:HZ	1:258:A:LEU:HB3	12	1.0
(1,201)	1:255:A:PHE:HZ	1:258:B:LEU:HB3	12	1.0
(1,136)	1:255:B:PHE:HE2	1:251:A:MET:HE3	14	1.0
(3,2616)	1:270:B:ARG:HG2	1:270:B:ARG:H	19	0.99
(3,1942)	1:258:B:LEU:HD11	1:258:B:LEU:HG	1	0.99
(3,1941)	1:258:A:LEU:HD11	1:258:A:LEU:HG	1	0.99
(3,1298)	1:269:B:LEU:HD21	1:273:B:GLN:HE22	15	0.99
(3,714)	1:239:B:GLU:HG3	1:243:B:ARG:HG3	4	0.99
(1,2120)	1:216:B:LEU:HD11	1:219:B:LYS:HE3	7	0.99
(1,2119)	1:216:A:LEU:HD11	1:219:A:LYS:HE3	7	0.99
(1,1363)	1:216:A:LEU:HD11	1:217:B:GLN:HG3	10	0.99
(1,1361)	1:262:A:LEU:HD21	1:265:B:ALA:HB2	18	0.99
(1,1338)	1:216:B:LEU:HD12	1:219:B:LYS:HE2	11	0.99
(1,1337)	1:216:A:LEU:HD12	1:219:A:LYS:HE2	11	0.99
(1,1134)	1:234:B:ASN:HA	1:237:B:VAL:HG23	16	0.99
(1,1134)	1:234:B:ASN:HA	1:237:B:VAL:HG22	20	0.99
(1,626)	1:214:B:GLU:HG2	1:210:B:LEU:HD12	3	0.99
(1,544)	1:251:B:MET:HE1	1:255:A:PHE:HB2	18	0.99
(1,273)	1:215:A:SER:HB2	1:219:A:LYS:HE3	1	0.99
(1,71)	1:255:A:PHE:HD1	1:251:B:MET:HE3	15	0.99
(3,2615)	1:270:A:ARG:HG2	1:270:A:ARG:H	19	0.98
(3,1942)	1:258:B:LEU:HD13	1:258:B:LEU:HG	4	0.98
(3,1942)	1:258:B:LEU:HD13	1:258:B:LEU:HG	6	0.98
(3,1942)	1:258:B:LEU:HD11	1:258:B:LEU:HG	8	0.98
(3,1942)	1:258:B:LEU:HD11	1:258:B:LEU:HG	9	0.98
(3,1942)	1:258:B:LEU:HD13	1:258:B:LEU:HG	15	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1942)	1:258:B:LEU:HD13	1:258:B:LEU:HG	16	0.98
(3,1942)	1:258:B:LEU:HD13	1:258:B:LEU:HG	19	0.98
(3,1942)	1:258:B:LEU:HD13	1:258:B:LEU:HG	20	0.98
(3,1941)	1:258:A:LEU:HD13	1:258:A:LEU:HG	4	0.98
(3,1941)	1:258:A:LEU:HD13	1:258:A:LEU:HG	6	0.98
(3,1941)	1:258:A:LEU:HD11	1:258:A:LEU:HG	8	0.98
(3,1941)	1:258:A:LEU:HD11	1:258:A:LEU:HG	9	0.98
(3,1941)	1:258:A:LEU:HD11	1:258:A:LEU:HG	13	0.98
(3,1941)	1:258:A:LEU:HD13	1:258:A:LEU:HG	15	0.98
(3,1941)	1:258:A:LEU:HD13	1:258:A:LEU:HG	16	0.98
(3,1941)	1:258:A:LEU:HD13	1:258:A:LEU:HG	19	0.98
(3,1941)	1:258:A:LEU:HD13	1:258:A:LEU:HG	20	0.98
(3,1396)	1:258:B:LEU:HD23	1:258:B:LEU:HG	3	0.98
(3,1396)	1:258:B:LEU:HD22	1:258:B:LEU:HG	13	0.98
(3,1396)	1:258:B:LEU:HD22	1:258:B:LEU:HG	14	0.98
(3,1395)	1:258:A:LEU:HD23	1:258:A:LEU:HG	3	0.98
(3,1395)	1:258:A:LEU:HD22	1:258:A:LEU:HG	13	0.98
(3,1395)	1:258:A:LEU:HD22	1:258:A:LEU:HG	14	0.98
(3,1395)	1:258:A:LEU:HD22	1:258:A:LEU:HG	18	0.98
(3,1395)	1:258:A:LEU:HD21	1:258:A:LEU:HG	20	0.98
(3,1392)	1:258:B:LEU:HD12	1:261:B:GLU:HG2	7	0.98
(3,1391)	1:258:A:LEU:HD12	1:261:A:GLU:HG2	7	0.98
(3,1074)	1:249:B:VAL:HB	1:253:B:ASP:HB3	13	0.98
(3,1073)	1:249:A:VAL:HB	1:253:A:ASP:HB3	13	0.98
(3,713)	1:239:A:GLU:HG3	1:243:A:ARG:HG3	4	0.98
(1,2124)	1:225:B:VAL:HG11	1:222:B:SER:HB3	8	0.98
(1,2123)	1:225:A:VAL:HG11	1:222:A:SER:HB3	8	0.98
(1,1867)	1:240:A:ARG:HG2	1:241:B:LEU:HD23	9	0.98
(1,1364)	1:216:B:LEU:HD11	1:217:A:GLN:HG3	10	0.98
(1,1362)	1:262:B:LEU:HD21	1:265:A:ALA:HB3	8	0.98
(1,1362)	1:262:B:LEU:HD21	1:265:A:ALA:HB2	14	0.98
(1,1361)	1:262:A:LEU:HD21	1:265:B:ALA:HB3	8	0.98
(1,1338)	1:216:B:LEU:HD11	1:219:B:LYS:HE2	10	0.98
(1,1337)	1:216:A:LEU:HD11	1:219:A:LYS:HE2	10	0.98
(1,1300)	1:258:B:LEU:HD11	1:255:A:PHE:HE1	7	0.98
(1,1133)	1:234:A:ASN:HA	1:237:A:VAL:HG22	20	0.98
(1,885)	1:235:A:GLU:HG3	1:236:A:TYR:HE1	14	0.98
(1,543)	1:251:A:MET:HE3	1:255:B:PHE:HB2	16	0.98
(1,274)	1:215:B:SER:HB2	1:219:B:LYS:HE3	1	0.98
(3,1942)	1:258:B:LEU:HD12	1:258:B:LEU:HG	2	0.97
(3,1942)	1:258:B:LEU:HD13	1:258:B:LEU:HG	5	0.97
(3,1942)	1:258:B:LEU:HD13	1:258:B:LEU:HG	10	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1942)	1:258:B:LEU:HD13	1:258:B:LEU:HG	11	0.97
(3,1942)	1:258:B:LEU:HD12	1:258:B:LEU:HG	12	0.97
(3,1942)	1:258:B:LEU:HD11	1:258:B:LEU:HG	13	0.97
(3,1941)	1:258:A:LEU:HD12	1:258:A:LEU:HG	2	0.97
(3,1941)	1:258:A:LEU:HD13	1:258:A:LEU:HG	3	0.97
(3,1941)	1:258:A:LEU:HD13	1:258:A:LEU:HG	5	0.97
(3,1941)	1:258:A:LEU:HD12	1:258:A:LEU:HG	7	0.97
(3,1941)	1:258:A:LEU:HD13	1:258:A:LEU:HG	10	0.97
(3,1941)	1:258:A:LEU:HD13	1:258:A:LEU:HG	11	0.97
(3,1941)	1:258:A:LEU:HD12	1:258:A:LEU:HG	12	0.97
(3,1396)	1:258:B:LEU:HD23	1:258:B:LEU:HG	2	0.97
(3,1396)	1:258:B:LEU:HD23	1:258:B:LEU:HG	5	0.97
(3,1396)	1:258:B:LEU:HD23	1:258:B:LEU:HG	6	0.97
(3,1396)	1:258:B:LEU:HD23	1:258:B:LEU:HG	8	0.97
(3,1396)	1:258:B:LEU:HD23	1:258:B:LEU:HG	11	0.97
(3,1396)	1:258:B:LEU:HD23	1:258:B:LEU:HG	12	0.97
(3,1396)	1:258:B:LEU:HD22	1:258:B:LEU:HG	18	0.97
(3,1396)	1:258:B:LEU:HD21	1:258:B:LEU:HG	20	0.97
(3,1395)	1:258:A:LEU:HD23	1:258:A:LEU:HG	2	0.97
(3,1395)	1:258:A:LEU:HD22	1:258:A:LEU:HG	4	0.97
(3,1395)	1:258:A:LEU:HD23	1:258:A:LEU:HG	5	0.97
(3,1395)	1:258:A:LEU:HD23	1:258:A:LEU:HG	6	0.97
(3,1395)	1:258:A:LEU:HD22	1:258:A:LEU:HG	7	0.97
(3,1395)	1:258:A:LEU:HD23	1:258:A:LEU:HG	8	0.97
(3,1395)	1:258:A:LEU:HD23	1:258:A:LEU:HG	11	0.97
(3,1395)	1:258:A:LEU:HD23	1:258:A:LEU:HG	12	0.97
(3,1306)	1:258:B:LEU:HD11	1:254:B:ASN:HD21	12	0.97
(3,1305)	1:258:A:LEU:HD11	1:254:A:ASN:HD21	12	0.97
(3,1073)	1:249:A:VAL:HB	1:253:A:ASP:HB3	18	0.97
(3,971)	1:238:A:GLN:HG3	1:233:B:PHE:HZ	10	0.97
(1,2120)	1:219:B:LYS:HE2	1:216:A:LEU:HD21	11	0.97
(1,2119)	1:219:A:LYS:HE2	1:216:B:LEU:HD21	11	0.97
(1,1868)	1:240:B:ARG:HG2	1:241:A:LEU:HD23	9	0.97
(1,1580)	1:216:B:LEU:HD22	1:213:A:ASN:HB2	9	0.97
(1,1579)	1:216:A:LEU:HD22	1:213:B:ASN:HB2	9	0.97
(1,1337)	1:216:A:LEU:HD13	1:219:A:LYS:HE2	2	0.97
(1,1335)	1:269:A:LEU:HD13	1:268:B:LYS:HB2	19	0.97
(1,886)	1:235:B:GLU:HG3	1:236:B:TYR:HE1	14	0.97
(3,1974)	1:225:B:VAL:HG11	1:224:B:GLU:HG2	10	0.96
(3,1973)	1:225:A:VAL:HG11	1:224:A:GLU:HG2	10	0.96
(3,1942)	1:258:B:LEU:HD13	1:258:B:LEU:HG	3	0.96
(3,1942)	1:258:B:LEU:HD12	1:258:B:LEU:HG	7	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1942)	1:258:B:LEU:HD11	1:258:B:LEU:HG	14	0.96
(3,1942)	1:258:B:LEU:HD11	1:258:B:LEU:HG	17	0.96
(3,1941)	1:258:A:LEU:HD11	1:258:A:LEU:HG	14	0.96
(3,1941)	1:258:A:LEU:HD11	1:258:A:LEU:HG	17	0.96
(3,1941)	1:258:A:LEU:HD13	1:258:A:LEU:HG	18	0.96
(3,1396)	1:258:B:LEU:HD22	1:258:B:LEU:HG	4	0.96
(3,1396)	1:258:B:LEU:HD22	1:258:B:LEU:HG	7	0.96
(3,1396)	1:258:B:LEU:HD23	1:258:B:LEU:HG	10	0.96
(3,1396)	1:258:B:LEU:HD23	1:258:B:LEU:HG	16	0.96
(3,1396)	1:258:B:LEU:HD23	1:258:B:LEU:HG	17	0.96
(3,1396)	1:258:B:LEU:HD22	1:258:B:LEU:HG	19	0.96
(3,1395)	1:258:A:LEU:HD23	1:258:A:LEU:HG	10	0.96
(3,1395)	1:258:A:LEU:HD23	1:258:A:LEU:HG	16	0.96
(3,1395)	1:258:A:LEU:HD23	1:258:A:LEU:HG	17	0.96
(3,1395)	1:258:A:LEU:HD22	1:258:A:LEU:HG	19	0.96
(3,1074)	1:249:B:VAL:HB	1:253:B:ASP:HB3	14	0.96
(3,1074)	1:249:B:VAL:HB	1:253:B:ASP:HB3	18	0.96
(3,1073)	1:249:A:VAL:HB	1:253:A:ASP:HB3	7	0.96
(3,942)	1:265:B:ALA:HB3	1:266:B:GLN:HG3	6	0.96
(3,942)	1:265:B:ALA:HB1	1:266:B:GLN:HG3	20	0.96
(3,941)	1:265:A:ALA:HB3	1:266:A:GLN:HG3	6	0.96
(1,2222)	1:268:B:LYS:HE3	1:272:A:GLN:HA	4	0.96
(1,2222)	1:268:B:LYS:HE3	1:272:A:GLN:HA	11	0.96
(1,2221)	1:268:A:LYS:HE2	1:272:B:GLN:HA	13	0.96
(1,1362)	1:262:B:LEU:HD21	1:265:A:ALA:HB2	18	0.96
(1,1361)	1:262:A:LEU:HD22	1:265:B:ALA:HB3	12	0.96
(1,1361)	1:262:A:LEU:HD21	1:265:B:ALA:HB2	14	0.96
(1,1338)	1:216:B:LEU:HD13	1:219:B:LYS:HE2	2	0.96
(1,1338)	1:216:B:LEU:HD11	1:219:B:LYS:HE3	4	0.96
(1,1338)	1:216:B:LEU:HD13	1:219:B:LYS:HE2	5	0.96
(1,1337)	1:216:A:LEU:HD11	1:219:A:LYS:HE3	4	0.96
(1,1337)	1:216:A:LEU:HD13	1:219:A:LYS:HE2	5	0.96
(1,1336)	1:269:B:LEU:HD13	1:268:A:LYS:HB2	19	0.96
(1,976)	1:217:B:GLN:HG2	1:216:A:LEU:HD21	4	0.96
(1,544)	1:251:B:MET:HE3	1:255:A:PHE:HB2	16	0.96
(3,1942)	1:258:B:LEU:HD13	1:258:B:LEU:HG	18	0.95
(3,1448)	1:241:B:LEU:HD21	1:240:A:ARG:HD2	13	0.95
(3,1396)	1:258:B:LEU:HD21	1:258:B:LEU:HG	1	0.95
(3,1396)	1:258:B:LEU:HD22	1:258:B:LEU:HG	9	0.95
(3,1395)	1:258:A:LEU:HD21	1:258:A:LEU:HG	1	0.95
(3,1395)	1:258:A:LEU:HD22	1:258:A:LEU:HG	9	0.95
(3,1074)	1:249:B:VAL:HB	1:253:B:ASP:HB3	7	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1073)	1:249:A:VAL:HB	1:253:A:ASP:HB3	14	0.95
(3,941)	1:265:A:ALA:HB1	1:266:A:GLN:HG3	20	0.95
(3,613)	1:214:A:GLU:HG2	1:210:A:LEU:HG	7	0.95
(3,516)	1:247:B:ASP:HB2	1:251:B:MET:HE3	13	0.95
(3,515)	1:247:A:ASP:HB2	1:251:A:MET:HE3	13	0.95
(1,2221)	1:228:A:LYS:HE2	1:226:A:GLU:HA	3	0.95
(1,2085)	1:228:A:LYS:HE3	1:225:A:VAL:HG22	8	0.95
(1,1736)	1:259:B:ARG:HD2	1:257:A:THR:HG21	4	0.95
(1,1513)	1:230:A:LEU:HD23	1:227:B:ALA:HB1	9	0.95
(1,1362)	1:262:B:LEU:HD21	1:265:A:ALA:HB1	2	0.95
(1,1361)	1:262:A:LEU:HD21	1:265:B:ALA:HB1	2	0.95
(1,1338)	1:216:B:LEU:HD13	1:219:B:LYS:HE2	6	0.95
(1,1338)	1:216:B:LEU:HD11	1:219:B:LYS:HE2	15	0.95
(1,1338)	1:216:B:LEU:HD11	1:219:B:LYS:HE3	19	0.95
(1,1337)	1:216:A:LEU:HD13	1:219:A:LYS:HE2	6	0.95
(1,1337)	1:216:A:LEU:HD11	1:219:A:LYS:HE3	19	0.95
(1,843)	1:227:A:ALA:HA	1:226:A:GLU:HG3	2	0.95
(1,577)	1:257:A:THR:HG21	1:259:B:ARG:HD2	4	0.95
(3,1974)	1:225:B:VAL:HG13	1:224:B:GLU:HG2	16	0.94
(3,1974)	1:225:B:VAL:HG12	1:224:B:GLU:HG2	18	0.94
(3,1973)	1:225:A:VAL:HG12	1:224:A:GLU:HG2	18	0.94
(3,1447)	1:241:A:LEU:HD21	1:240:B:ARG:HD2	13	0.94
(3,1396)	1:258:B:LEU:HD22	1:258:B:LEU:HG	15	0.94
(3,1395)	1:258:A:LEU:HD22	1:258:A:LEU:HG	15	0.94
(3,1074)	1:249:B:VAL:HB	1:253:B:ASP:HB3	19	0.94
(3,942)	1:265:B:ALA:HB1	1:266:B:GLN:HG3	14	0.94
(1,2239)	1:244:A:ILE:HG23	1:251:B:MET:HB2	7	0.94
(1,2222)	1:228:B:LYS:HE2	1:226:B:GLU:HA	3	0.94
(1,2221)	1:268:A:LYS:HE3	1:272:B:GLN:HA	11	0.94
(1,2119)	1:219:A:LYS:HE3	1:216:B:LEU:HD21	1	0.94
(1,2086)	1:228:B:LYS:HE3	1:225:B:VAL:HG22	8	0.94
(1,1962)	1:219:B:LYS:HE3	1:224:A:GLU:HG2	7	0.94
(1,1697)	1:255:A:PHE:HZ	1:259:A:ARG:HD3	14	0.94
(1,1514)	1:230:B:LEU:HD23	1:227:A:ALA:HB1	9	0.94
(1,1438)	1:240:B:ARG:HB2	1:241:B:LEU:HD22	4	0.94
(1,1362)	1:262:B:LEU:HD22	1:265:A:ALA:HB3	12	0.94
(1,1361)	1:262:A:LEU:HD23	1:265:B:ALA:HB2	20	0.94
(1,1337)	1:216:A:LEU:HD11	1:219:A:LYS:HE2	15	0.94
(1,1133)	1:234:A:ASN:HA	1:237:A:VAL:HG21	18	0.94
(1,976)	1:217:B:GLN:HG2	1:216:A:LEU:HD21	14	0.94
(1,948)	1:273:B:GLN:HA	1:269:B:LEU:HD23	19	0.94
(1,947)	1:273:A:GLN:HA	1:269:A:LEU:HD23	19	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,844)	1:227:B:ALA:HA	1:226:B:GLU:HG3	2	0.94
(1,544)	1:251:B:MET:HE2	1:255:A:PHE:HB2	17	0.94
(1,543)	1:251:A:MET:HE2	1:255:B:PHE:HB2	17	0.94
(3,1974)	1:225:B:VAL:HG13	1:224:B:GLU:HG2	5	0.93
(3,1974)	1:225:B:VAL:HG13	1:224:B:GLU:HG2	9	0.93
(3,1974)	1:225:B:VAL:HG12	1:224:B:GLU:HG2	14	0.93
(3,1973)	1:225:A:VAL:HG13	1:224:A:GLU:HG2	5	0.93
(3,1973)	1:225:A:VAL:HG13	1:224:A:GLU:HG2	9	0.93
(3,1973)	1:225:A:VAL:HG12	1:224:A:GLU:HG2	14	0.93
(3,1973)	1:225:A:VAL:HG13	1:224:A:GLU:HG2	16	0.93
(3,1648)	1:243:B:ARG:HG2	1:242:B:ASP:HB3	16	0.93
(3,1647)	1:243:A:ARG:HG2	1:242:A:ASP:HB3	16	0.93
(3,1073)	1:249:A:VAL:HB	1:253:A:ASP:HB3	19	0.93
(3,942)	1:265:B:ALA:HB2	1:266:B:GLN:HG3	17	0.93
(3,941)	1:265:A:ALA:HB2	1:266:A:GLN:HG3	13	0.93
(3,941)	1:265:A:ALA:HB1	1:266:A:GLN:HG3	14	0.93
(3,928)	1:267:B:GLN:HG3	1:267:B:GLN:H	1	0.93
(3,927)	1:267:A:GLN:HG3	1:267:A:GLN:H	1	0.93
(3,614)	1:214:B:GLU:HG2	1:210:B:LEU:HG	7	0.93
(3,326)	1:227:B:ALA:HB2	1:223:A:LEU:HD23	7	0.93
(1,2240)	1:244:B:ILE:HG21	1:251:A:MET:HB2	5	0.93
(1,2239)	1:244:A:ILE:HG21	1:251:B:MET:HB2	5	0.93
(1,2125)	1:225:A:VAL:HG21	1:227:A:ALA:HB1	13	0.93
(1,2120)	1:219:B:LYS:HE3	1:216:A:LEU:HD21	1	0.93
(1,1698)	1:255:B:PHE:HZ	1:259:B:ARG:HD3	14	0.93
(1,1438)	1:240:B:ARG:HB2	1:241:B:LEU:HD22	14	0.93
(1,1437)	1:240:A:ARG:HB2	1:241:A:LEU:HD22	4	0.93
(1,1437)	1:240:A:ARG:HB2	1:241:A:LEU:HD22	14	0.93
(1,1338)	1:216:B:LEU:HD13	1:219:B:LYS:HE2	14	0.93
(1,1338)	1:216:B:LEU:HD13	1:219:B:LYS:HE2	16	0.93
(1,1337)	1:216:A:LEU:HD13	1:219:A:LYS:HE2	14	0.93
(1,1337)	1:216:A:LEU:HD13	1:219:A:LYS:HE2	16	0.93
(1,1337)	1:216:A:LEU:HD13	1:219:A:LYS:HE2	20	0.93
(1,1299)	1:258:A:LEU:HD11	1:255:B:PHE:HE1	7	0.93
(1,1134)	1:234:B:ASN:HA	1:237:B:VAL:HG22	6	0.93
(1,1134)	1:234:B:ASN:HA	1:237:B:VAL:HG21	18	0.93
(1,1133)	1:234:A:ASN:HA	1:237:A:VAL:HG22	6	0.93
(1,975)	1:217:A:GLN:HG2	1:216:B:LEU:HD21	4	0.93
(1,975)	1:217:A:GLN:HG2	1:216:B:LEU:HD21	14	0.93
(1,566)	1:251:B:MET:HE1	1:249:A:VAL:HG23	8	0.93
(1,534)	1:251:B:MET:HE1	1:256:A:GLU:H	6	0.93
(1,206)	1:258:B:LEU:HD11	1:260:A:THR:HG23	20	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,136)	1:255:B:PHE:HE1	1:251:A:MET:HE3	15	0.93
(3,2614)	1:270:B:ARG:HB3	1:270:B:ARG:H	16	0.92
(3,2613)	1:270:A:ARG:HB3	1:270:A:ARG:H	16	0.92
(3,1305)	1:258:A:LEU:HD13	1:254:A:ASN:HD21	9	0.92
(3,942)	1:265:B:ALA:HB2	1:266:B:GLN:HG3	13	0.92
(3,941)	1:265:A:ALA:HB2	1:266:A:GLN:HG3	17	0.92
(3,713)	1:239:A:GLU:HG3	1:243:A:ARG:HG3	14	0.92
(3,682)	1:212:B:GLU:HG3	1:211:B:ALA:HB1	5	0.92
(3,681)	1:212:A:GLU:HG3	1:211:A:ALA:HB1	5	0.92
(1,2240)	1:244:B:ILE:HG23	1:251:A:MET:HB2	7	0.92
(1,2222)	1:268:B:LYS:HE2	1:272:A:GLN:HA	13	0.92
(1,2126)	1:225:B:VAL:HG21	1:227:B:ALA:HB1	13	0.92
(1,2124)	1:225:B:VAL:HG12	1:222:B:SER:HB3	16	0.92
(1,2120)	1:219:B:LYS:HE3	1:216:A:LEU:HD23	4	0.92
(1,1961)	1:219:A:LYS:HE3	1:224:B:GLU:HG2	7	0.92
(1,1760)	1:259:B:ARG:HG2	1:257:B:THR:HG23	17	0.92
(1,1759)	1:259:A:ARG:HG2	1:257:A:THR:HG23	17	0.92
(1,1437)	1:241:A:LEU:HD21	1:240:B:ARG:HB2	5	0.92
(1,1422)	1:258:B:LEU:HD21	1:255:A:PHE:HB2	6	0.92
(1,1421)	1:258:A:LEU:HD21	1:255:B:PHE:HB2	6	0.92
(1,1338)	1:216:B:LEU:HD13	1:219:B:LYS:HE2	20	0.92
(1,1134)	1:234:B:ASN:HA	1:237:B:VAL:HG23	1	0.92
(1,1134)	1:234:B:ASN:HA	1:237:B:VAL:HG23	19	0.92
(1,1133)	1:234:A:ASN:HA	1:237:A:VAL:HG23	1	0.92
(1,1133)	1:234:A:ASN:HA	1:237:A:VAL:HG23	19	0.92
(1,844)	1:227:B:ALA:HA	1:226:B:GLU:HG3	3	0.92
(1,843)	1:227:A:ALA:HA	1:226:A:GLU:HG3	3	0.92
(1,565)	1:251:A:MET:HE1	1:249:B:VAL:HG23	8	0.92
(1,544)	1:251:B:MET:HE2	1:255:A:PHE:HB2	6	0.92
(1,534)	1:251:B:MET:HE2	1:256:A:GLU:H	9	0.92
(1,533)	1:251:A:MET:HE1	1:256:B:GLU:H	6	0.92
(1,533)	1:251:A:MET:HE2	1:256:B:GLU:H	9	0.92
(1,274)	1:215:B:SER:HB2	1:219:B:LYS:HE2	10	0.92
(1,273)	1:215:A:SER:HB2	1:219:A:LYS:HE2	10	0.92
(1,201)	1:255:A:PHE:HZ	1:258:B:LEU:HB3	13	0.92
(1,136)	1:251:B:MET:HE2	1:255:B:PHE:HE1	13	0.92
(3,2614)	1:270:B:ARG:HB3	1:270:B:ARG:H	12	0.91
(3,2614)	1:270:B:ARG:HB3	1:270:B:ARG:H	14	0.91
(3,2614)	1:270:B:ARG:HB3	1:270:B:ARG:H	20	0.91
(3,2613)	1:270:A:ARG:HB3	1:270:A:ARG:H	12	0.91
(3,2613)	1:270:A:ARG:HB3	1:270:A:ARG:H	14	0.91
(3,1974)	1:225:B:VAL:HG11	1:224:B:GLU:HG2	1	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1973)	1:225:A:VAL:HG11	1:224:A:GLU:HG2	1	0.91
(3,1306)	1:258:B:LEU:HD13	1:254:B:ASN:HD21	9	0.91
(3,1074)	1:249:B:VAL:HB	1:253:B:ASP:HB3	12	0.91
(3,1073)	1:249:A:VAL:HB	1:253:A:ASP:HB3	12	0.91
(3,942)	1:265:B:ALA:HB1	1:266:B:GLN:HG3	18	0.91
(3,941)	1:265:A:ALA:HB1	1:266:A:GLN:HG3	10	0.91
(3,941)	1:265:A:ALA:HB1	1:266:A:GLN:HG3	18	0.91
(3,325)	1:227:A:ALA:HB2	1:223:B:LEU:HD21	7	0.91
(1,2123)	1:225:A:VAL:HG11	1:222:A:SER:HB3	16	0.91
(1,2120)	1:219:B:LYS:HE3	1:216:A:LEU:HD21	19	0.91
(1,2119)	1:219:A:LYS:HE3	1:216:B:LEU:HD21	19	0.91
(1,2085)	1:228:A:LYS:HE3	1:225:A:VAL:HG23	18	0.91
(1,1868)	1:240:B:ARG:HG2	1:241:A:LEU:HD21	20	0.91
(1,1438)	1:241:B:LEU:HD21	1:240:A:ARG:HB2	5	0.91
(1,1438)	1:240:B:ARG:HB2	1:241:B:LEU:HD23	19	0.91
(1,1437)	1:240:A:ARG:HB2	1:241:A:LEU:HD23	19	0.91
(1,1430)	1:258:B:LEU:HD22	1:266:A:GLN:HG2	10	0.91
(1,1418)	1:258:B:LEU:HD23	1:255:A:PHE:HE1	7	0.91
(1,1417)	1:258:A:LEU:HD23	1:255:B:PHE:HE1	7	0.91
(1,1338)	1:216:B:LEU:HD11	1:219:B:LYS:HE2	3	0.91
(1,1330)	1:269:B:LEU:HD13	1:264:A:GLU:HG3	18	0.91
(1,1329)	1:269:A:LEU:HD11	1:264:B:GLU:HG3	7	0.91
(1,1116)	1:241:B:LEU:HD23	1:237:B:VAL:HG11	9	0.91
(1,1116)	1:241:B:LEU:HD22	1:237:B:VAL:HG13	12	0.91
(1,1116)	1:241:B:LEU:HD22	1:237:B:VAL:HG13	19	0.91
(1,1115)	1:241:A:LEU:HD23	1:237:A:VAL:HG11	9	0.91
(1,1115)	1:241:A:LEU:HD22	1:237:A:VAL:HG13	12	0.91
(1,1115)	1:241:A:LEU:HD22	1:237:A:VAL:HG13	19	0.91
(1,543)	1:251:A:MET:HE2	1:255:B:PHE:HB2	6	0.91
(1,273)	1:215:A:SER:HB2	1:219:A:LYS:HE2	15	0.91
(1,202)	1:255:B:PHE:HZ	1:258:A:LEU:HB3	13	0.91
(1,135)	1:251:A:MET:HE2	1:255:A:PHE:HE1	13	0.91
(1,135)	1:255:A:PHE:HE1	1:251:B:MET:HE3	15	0.91
(3,2614)	1:270:B:ARG:HB3	1:270:B:ARG:H	3	0.9
(3,2614)	1:270:B:ARG:HB3	1:270:B:ARG:H	6	0.9
(3,2614)	1:270:B:ARG:HB3	1:270:B:ARG:H	7	0.9
(3,2614)	1:270:B:ARG:HB3	1:270:B:ARG:H	11	0.9
(3,2614)	1:270:B:ARG:HB3	1:270:B:ARG:H	19	0.9
(3,2613)	1:270:A:ARG:HB3	1:270:A:ARG:H	3	0.9
(3,2613)	1:270:A:ARG:HB3	1:270:A:ARG:H	6	0.9
(3,2613)	1:270:A:ARG:HB3	1:270:A:ARG:H	7	0.9
(3,2613)	1:270:A:ARG:HB3	1:270:A:ARG:H	11	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2613)	1:270:A:ARG:HB3	1:270:A:ARG:H	19	0.9
(3,2613)	1:270:A:ARG:HB3	1:270:A:ARG:H	20	0.9
(3,2042)	1:227:B:ALA:HA	1:227:B:ALA:H	19	0.9
(3,2041)	1:227:A:ALA:HA	1:227:A:ALA:H	19	0.9
(3,1848)	1:228:B:LYS:HG3	1:224:B:GLU:HA	16	0.9
(3,1847)	1:228:A:LYS:HG3	1:224:A:GLU:HA	16	0.9
(3,942)	1:265:B:ALA:HB1	1:266:B:GLN:HG3	10	0.9
(3,528)	1:251:B:MET:HG3	1:248:B:PHE:HA	1	0.9
(3,527)	1:251:A:MET:HG3	1:248:A:PHE:HA	1	0.9
(1,2126)	1:225:B:VAL:HG21	1:227:B:ALA:HB3	3	0.9
(1,2125)	1:225:A:VAL:HG21	1:227:A:ALA:HB3	3	0.9
(1,2119)	1:219:A:LYS:HE3	1:216:B:LEU:HD23	4	0.9
(1,2086)	1:228:B:LYS:HE3	1:225:B:VAL:HG23	18	0.9
(1,1735)	1:259:A:ARG:HD2	1:257:B:THR:HG21	4	0.9
(1,1438)	1:240:B:ARG:HB2	1:241:B:LEU:HD21	9	0.9
(1,1437)	1:240:A:ARG:HB2	1:241:A:LEU:HD21	9	0.9
(1,1422)	1:258:B:LEU:HD23	1:255:A:PHE:HB2	9	0.9
(1,1338)	1:216:B:LEU:HD13	1:219:B:LYS:HE3	1	0.9
(1,1337)	1:216:A:LEU:HD13	1:219:A:LYS:HE3	1	0.9
(1,1337)	1:216:A:LEU:HD11	1:219:A:LYS:HE2	3	0.9
(1,1337)	1:216:A:LEU:HD13	1:219:A:LYS:HE2	9	0.9
(1,1335)	1:269:A:LEU:HD12	1:268:B:LYS:HB2	5	0.9
(1,1329)	1:269:A:LEU:HD13	1:264:B:GLU:HG3	18	0.9
(1,1170)	1:225:B:VAL:HG21	1:228:B:LYS:HB2	1	0.9
(1,1169)	1:225:A:VAL:HG21	1:228:A:LYS:HB2	1	0.9
(1,1116)	1:241:B:LEU:HD21	1:237:B:VAL:HG12	4	0.9
(1,1116)	1:241:B:LEU:HD22	1:237:B:VAL:HG11	10	0.9
(1,1116)	1:241:B:LEU:HD22	1:237:B:VAL:HG12	17	0.9
(1,1115)	1:241:A:LEU:HD21	1:237:A:VAL:HG12	4	0.9
(1,1115)	1:241:A:LEU:HD21	1:237:A:VAL:HG12	14	0.9
(1,578)	1:257:B:THR:HG21	1:259:A:ARG:HD2	4	0.9
(1,534)	1:251:B:MET:HE3	1:256:A:GLU:H	5	0.9
(1,534)	1:251:B:MET:HE2	1:254:A:ASN:H	12	0.9
(1,534)	1:251:B:MET:HE3	1:254:A:ASN:H	14	0.9
(1,274)	1:215:B:SER:HB2	1:219:B:LYS:HE2	15	0.9
(1,206)	1:258:B:LEU:HD12	1:260:A:THR:HG22	8	0.9
(3,2614)	1:270:B:ARG:HB3	1:270:B:ARG:H	9	0.89
(3,2613)	1:270:A:ARG:HB3	1:270:A:ARG:H	9	0.89
(3,2042)	1:227:B:ALA:HA	1:227:B:ALA:H	1	0.89
(3,2042)	1:227:B:ALA:HA	1:227:B:ALA:H	15	0.89
(3,2041)	1:227:A:ALA:HA	1:227:A:ALA:H	1	0.89
(3,2041)	1:227:A:ALA:HA	1:227:A:ALA:H	15	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,714)	1:239:B:GLU:HG3	1:243:B:ARG:HG3	14	0.89
(3,528)	1:251:B:MET:HG3	1:248:B:PHE:HA	20	0.89
(1,2222)	1:268:B:LYS:HE2	1:272:A:GLN:HA	6	0.89
(1,2120)	1:219:B:LYS:HE2	1:216:A:LEU:HD21	16	0.89
(1,1904)	1:268:B:LYS:HE3	1:267:B:GLN:HB2	15	0.89
(1,1903)	1:268:A:LYS:HE3	1:267:A:GLN:HB2	15	0.89
(1,1421)	1:258:A:LEU:HD23	1:255:B:PHE:HB2	9	0.89
(1,1362)	1:262:B:LEU:HD23	1:265:A:ALA:HB2	20	0.89
(1,1338)	1:216:B:LEU:HD13	1:219:B:LYS:HE2	9	0.89
(1,1338)	1:216:B:LEU:HD12	1:219:B:LYS:HE2	17	0.89
(1,1337)	1:216:A:LEU:HD12	1:219:A:LYS:HE2	17	0.89
(1,1329)	1:269:A:LEU:HD13	1:264:B:GLU:HG3	8	0.89
(1,1180)	1:245:B:THR:HG21	1:244:B:ILE:HG22	1	0.89
(1,1179)	1:245:A:THR:HG21	1:244:A:ILE:HG22	1	0.89
(1,1116)	1:241:B:LEU:HD23	1:237:B:VAL:HG11	2	0.89
(1,1116)	1:241:B:LEU:HD22	1:237:B:VAL:HG11	13	0.89
(1,1116)	1:241:B:LEU:HD21	1:237:B:VAL:HG12	14	0.89
(1,1116)	1:241:B:LEU:HD23	1:237:B:VAL:HG11	16	0.89
(1,1115)	1:241:A:LEU:HD23	1:237:A:VAL:HG11	2	0.89
(1,1115)	1:241:A:LEU:HD22	1:237:A:VAL:HG11	10	0.89
(1,1115)	1:241:A:LEU:HD22	1:237:A:VAL:HG11	13	0.89
(1,1115)	1:241:A:LEU:HD23	1:237:A:VAL:HG11	16	0.89
(1,1115)	1:241:A:LEU:HD22	1:237:A:VAL:HG12	17	0.89
(1,844)	1:227:B:ALA:HA	1:226:B:GLU:HG3	8	0.89
(1,843)	1:227:A:ALA:HA	1:226:A:GLU:HG3	8	0.89
(1,609)	1:245:A:THR:HG23	1:250:A:LYS:HE3	17	0.89
(1,543)	1:251:A:MET:HE2	1:255:B:PHE:HB2	7	0.89
(1,533)	1:251:A:MET:HE2	1:254:B:ASN:H	12	0.89
(1,533)	1:251:A:MET:HE3	1:254:B:ASN:H	14	0.89
(1,205)	1:258:A:LEU:HD12	1:260:B:THR:HG22	8	0.89
(3,2614)	1:270:B:ARG:HB3	1:270:B:ARG:H	8	0.88
(3,2613)	1:270:A:ARG:HB3	1:270:A:ARG:H	8	0.88
(3,2042)	1:227:B:ALA:HA	1:227:B:ALA:H	3	0.88
(3,2042)	1:227:B:ALA:HA	1:227:B:ALA:H	4	0.88
(3,2042)	1:227:B:ALA:HA	1:227:B:ALA:H	6	0.88
(3,2042)	1:227:B:ALA:HA	1:227:B:ALA:H	9	0.88
(3,2042)	1:227:B:ALA:HA	1:227:B:ALA:H	17	0.88
(3,2041)	1:227:A:ALA:HA	1:227:A:ALA:H	3	0.88
(3,2041)	1:227:A:ALA:HA	1:227:A:ALA:H	4	0.88
(3,2041)	1:227:A:ALA:HA	1:227:A:ALA:H	6	0.88
(3,2041)	1:227:A:ALA:HA	1:227:A:ALA:H	17	0.88
(3,1974)	1:225:B:VAL:HG12	1:224:B:GLU:HG2	17	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1974)	1:225:B:VAL:HG11	1:224:B:GLU:HG2	20	0.88
(3,1973)	1:225:A:VAL:HG11	1:224:A:GLU:HG2	20	0.88
(3,527)	1:251:A:MET:HG3	1:248:A:PHE:HA	20	0.88
(1,2211)	1:244:A:ILE:HG21	1:252:B:LYS:HE2	16	0.88
(1,1902)	1:268:B:LYS:HE3	1:272:A:GLN:HG2	2	0.88
(1,1736)	1:259:B:ARG:HD2	1:260:B:THR:HG21	10	0.88
(1,1580)	1:216:B:LEU:HD22	1:213:A:ASN:HB2	1	0.88
(1,1578)	1:216:B:LEU:HD22	1:213:A:ASN:HA	15	0.88
(1,1429)	1:258:A:LEU:HD22	1:266:B:GLN:HG2	10	0.88
(1,1422)	1:258:B:LEU:HD21	1:255:A:PHE:HB2	4	0.88
(1,1338)	1:216:B:LEU:HD13	1:219:B:LYS:HE2	8	0.88
(1,1337)	1:216:A:LEU:HD13	1:219:A:LYS:HE2	8	0.88
(1,1336)	1:269:B:LEU:HD12	1:268:A:LYS:HB2	5	0.88
(1,1330)	1:269:B:LEU:HD11	1:264:A:GLU:HG3	7	0.88
(1,1330)	1:269:B:LEU:HD13	1:264:A:GLU:HG3	8	0.88
(1,1329)	1:269:A:LEU:HD12	1:264:B:GLU:HG3	3	0.88
(1,1298)	1:216:B:LEU:HD13	1:213:A:ASN:HD21	2	0.88
(1,1116)	1:241:B:LEU:HD21	1:237:B:VAL:HG12	6	0.88
(1,1116)	1:241:B:LEU:HD21	1:237:B:VAL:HG11	7	0.88
(1,1116)	1:241:B:LEU:HD22	1:237:B:VAL:HG11	11	0.88
(1,1115)	1:241:A:LEU:HD21	1:237:A:VAL:HG12	6	0.88
(1,1115)	1:241:A:LEU:HD21	1:237:A:VAL:HG11	7	0.88
(1,1115)	1:241:A:LEU:HD22	1:237:A:VAL:HG11	11	0.88
(1,948)	1:273:B:GLN:HA	1:269:B:LEU:HD21	11	0.88
(1,947)	1:273:A:GLN:HA	1:269:A:LEU:HD21	11	0.88
(1,610)	1:245:B:THR:HG23	1:250:B:LYS:HE3	17	0.88
(1,544)	1:251:B:MET:HE2	1:255:A:PHE:HB2	2	0.88
(1,544)	1:251:B:MET:HE2	1:255:A:PHE:HB2	7	0.88
(1,533)	1:251:A:MET:HE3	1:256:B:GLU:H	5	0.88
(3,2042)	1:227:B:ALA:HA	1:227:B:ALA:H	2	0.87
(3,2042)	1:227:B:ALA:HA	1:227:B:ALA:H	5	0.87
(3,2042)	1:227:B:ALA:HA	1:227:B:ALA:H	7	0.87
(3,2042)	1:227:B:ALA:HA	1:227:B:ALA:H	10	0.87
(3,2042)	1:227:B:ALA:HA	1:227:B:ALA:H	12	0.87
(3,2042)	1:227:B:ALA:HA	1:227:B:ALA:H	16	0.87
(3,2042)	1:227:B:ALA:HA	1:227:B:ALA:H	20	0.87
(3,2041)	1:227:A:ALA:HA	1:227:A:ALA:H	2	0.87
(3,2041)	1:227:A:ALA:HA	1:227:A:ALA:H	5	0.87
(3,2041)	1:227:A:ALA:HA	1:227:A:ALA:H	7	0.87
(3,2041)	1:227:A:ALA:HA	1:227:A:ALA:H	9	0.87
(3,2041)	1:227:A:ALA:HA	1:227:A:ALA:H	10	0.87
(3,2041)	1:227:A:ALA:HA	1:227:A:ALA:H	12	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2041)	1:227:A:ALA:HA	1:227:A:ALA:H	16	0.87
(3,2041)	1:227:A:ALA:HA	1:227:A:ALA:H	20	0.87
(3,1974)	1:225:B:VAL:HG12	1:224:B:GLU:HG2	15	0.87
(3,1973)	1:225:A:VAL:HG12	1:224:A:GLU:HG2	15	0.87
(3,1973)	1:225:A:VAL:HG12	1:224:A:GLU:HG2	17	0.87
(3,1920)	1:210:B:LEU:HD12	1:207:B:ASP:HB2	9	0.87
(3,1919)	1:210:A:LEU:HD12	1:207:A:ASP:HB2	9	0.87
(3,1602)	1:209:B:LEU:HD22	1:206:B:PHE:HA	20	0.87
(3,1306)	1:258:B:LEU:HD12	1:254:B:ASN:HD21	15	0.87
(3,1298)	1:269:B:LEU:HD22	1:273:B:GLN:HE22	2	0.87
(3,1074)	1:249:B:VAL:HB	1:253:B:ASP:HB3	9	0.87
(3,938)	1:267:B:GLN:HA	1:267:B:GLN:HG2	1	0.87
(3,937)	1:267:A:GLN:HA	1:267:A:GLN:HG2	1	0.87
(1,2126)	1:225:B:VAL:HG21	1:227:B:ALA:HB1	8	0.87
(1,2125)	1:225:A:VAL:HG21	1:227:A:ALA:HB1	8	0.87
(1,2119)	1:219:A:LYS:HE2	1:216:B:LEU:HD21	16	0.87
(1,1867)	1:240:A:ARG:HG2	1:241:B:LEU:HD21	20	0.87
(1,1831)	1:240:A:ARG:HD2	1:241:B:LEU:HD12	13	0.87
(1,1810)	1:243:B:ARG:HD3	1:245:B:THR:HG23	8	0.87
(1,1794)	1:246:B:ASP:HB3	1:243:B:ARG:HD3	19	0.87
(1,1793)	1:246:A:ASP:HB3	1:243:A:ARG:HD3	19	0.87
(1,1735)	1:259:A:ARG:HD2	1:260:A:THR:HG21	10	0.87
(1,1579)	1:213:A:ASN:HB2	1:216:A:LEU:HD21	2	0.87
(1,1514)	1:230:B:LEU:HD23	1:227:A:ALA:HB2	1	0.87
(1,1421)	1:258:A:LEU:HD21	1:255:B:PHE:HB2	4	0.87
(1,1336)	1:269:B:LEU:HD11	1:268:A:LYS:HB2	9	0.87
(1,1335)	1:269:A:LEU:HD11	1:268:B:LYS:HB2	9	0.87
(1,1297)	1:216:A:LEU:HD13	1:213:B:ASN:HD21	2	0.87
(1,1116)	1:241:B:LEU:HD23	1:237:B:VAL:HG12	3	0.87
(1,1116)	1:241:B:LEU:HD22	1:237:B:VAL:HG11	5	0.87
(1,1116)	1:241:B:LEU:HD23	1:237:B:VAL:HG12	8	0.87
(1,1116)	1:241:B:LEU:HD21	1:237:B:VAL:HG11	20	0.87
(1,1115)	1:241:A:LEU:HD23	1:237:A:VAL:HG12	3	0.87
(1,1115)	1:241:A:LEU:HD22	1:237:A:VAL:HG11	5	0.87
(1,1115)	1:241:A:LEU:HD23	1:237:A:VAL:HG12	8	0.87
(1,1115)	1:241:A:LEU:HD21	1:237:A:VAL:HG11	20	0.87
(1,610)	1:245:B:THR:HG22	1:250:B:LYS:HE3	12	0.87
(1,609)	1:245:A:THR:HG22	1:250:A:LYS:HE3	12	0.87
(1,544)	1:251:B:MET:HE1	1:255:A:PHE:HB2	5	0.87
(1,543)	1:251:A:MET:HE1	1:255:B:PHE:HB2	5	0.87
(1,534)	1:251:B:MET:HE1	1:256:A:GLU:H	17	0.87
(1,533)	1:251:A:MET:HE1	1:256:B:GLU:H	17	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,273)	1:215:A:SER:HB2	1:219:A:LYS:HE3	19	0.87
(3,2042)	1:227:B:ALA:HA	1:227:B:ALA:H	8	0.86
(3,2042)	1:227:B:ALA:HA	1:227:B:ALA:H	11	0.86
(3,2042)	1:227:B:ALA:HA	1:227:B:ALA:H	13	0.86
(3,2042)	1:227:B:ALA:HA	1:227:B:ALA:H	14	0.86
(3,2041)	1:227:A:ALA:HA	1:227:A:ALA:H	8	0.86
(3,2041)	1:227:A:ALA:HA	1:227:A:ALA:H	11	0.86
(3,2041)	1:227:A:ALA:HA	1:227:A:ALA:H	13	0.86
(3,2041)	1:227:A:ALA:HA	1:227:A:ALA:H	14	0.86
(3,1894)	1:222:B:SER:HB2	1:219:B:LYS:HG2	2	0.86
(3,1602)	1:209:B:LEU:HD21	1:206:B:PHE:HA	15	0.86
(3,1601)	1:209:A:LEU:HD22	1:206:A:PHE:HA	20	0.86
(3,1512)	1:226:B:GLU:HG3	1:230:B:LEU:HD13	15	0.86
(3,1511)	1:226:A:GLU:HG3	1:230:A:LEU:HD13	15	0.86
(3,1305)	1:258:A:LEU:HD12	1:254:A:ASN:HD21	15	0.86
(3,1297)	1:269:A:LEU:HD22	1:273:A:GLN:HE22	2	0.86
(3,714)	1:239:B:GLU:HG3	1:243:B:ARG:HG3	7	0.86
(3,713)	1:239:A:GLU:HG3	1:243:A:ARG:HG3	7	0.86
(3,528)	1:251:B:MET:HG3	1:248:B:PHE:HA	12	0.86
(1,2284)	1:265:B:ALA:H	1:267:B:GLN:HG3	6	0.86
(1,2283)	1:265:A:ALA:H	1:267:A:GLN:HG3	6	0.86
(1,1832)	1:240:B:ARG:HD2	1:241:A:LEU:HD12	13	0.86
(1,1809)	1:243:A:ARG:HD3	1:245:A:THR:HG23	8	0.86
(1,1580)	1:213:B:ASN:HB2	1:216:B:LEU:HD21	2	0.86
(1,1579)	1:216:A:LEU:HD22	1:213:B:ASN:HB2	1	0.86
(1,1577)	1:216:A:LEU:HD22	1:213:B:ASN:HA	15	0.86
(1,1514)	1:230:B:LEU:HD21	1:227:A:ALA:HB1	3	0.86
(1,1514)	1:230:B:LEU:HD22	1:227:A:ALA:HB1	5	0.86
(1,1514)	1:230:B:LEU:HD22	1:227:A:ALA:HB2	6	0.86
(1,1514)	1:230:B:LEU:HD22	1:227:A:ALA:HB1	19	0.86
(1,1513)	1:230:A:LEU:HD22	1:227:B:ALA:HB1	5	0.86
(1,1513)	1:230:A:LEU:HD22	1:227:B:ALA:HB2	6	0.86
(1,1422)	1:258:B:LEU:HD21	1:255:A:PHE:HB2	5	0.86
(1,1330)	1:269:B:LEU:HD12	1:264:A:GLU:HG3	3	0.86
(1,1300)	1:258:B:LEU:HD11	1:255:A:PHE:HE2	2	0.86
(1,1299)	1:258:A:LEU:HD11	1:255:B:PHE:HE2	2	0.86
(1,1299)	1:258:A:LEU:HD12	1:255:B:PHE:HE1	5	0.86
(1,1116)	1:241:B:LEU:HD22	1:237:B:VAL:HG13	1	0.86
(1,1115)	1:241:A:LEU:HD22	1:237:A:VAL:HG13	1	0.86
(1,534)	1:251:B:MET:HE2	1:256:A:GLU:H	2	0.86
(1,274)	1:215:B:SER:HB2	1:219:B:LYS:HE3	19	0.86
(1,206)	1:258:B:LEU:HD13	1:260:A:THR:HG21	2	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,72)	1:255:B:PHE:HD2	1:251:A:MET:HE2	12	0.86
(3,2616)	1:270:B:ARG:HG2	1:270:B:ARG:H	20	0.85
(3,2615)	1:270:A:ARG:HG2	1:270:A:ARG:H	20	0.85
(3,2042)	1:227:B:ALA:HA	1:227:B:ALA:H	18	0.85
(3,2041)	1:227:A:ALA:HA	1:227:A:ALA:H	18	0.85
(3,1894)	1:222:B:SER:HB2	1:219:B:LYS:HG2	19	0.85
(3,1601)	1:209:A:LEU:HD21	1:206:A:PHE:HA	15	0.85
(3,1073)	1:249:A:VAL:HB	1:253:A:ASP:HB3	9	0.85
(3,527)	1:251:A:MET:HG3	1:248:A:PHE:HA	12	0.85
(1,2239)	1:244:A:ILE:HG21	1:251:B:MET:HB2	18	0.85
(1,2232)	1:216:B:LEU:HD11	1:220:A:ILE:HA	8	0.85
(1,2231)	1:216:A:LEU:HD11	1:220:B:ILE:HA	8	0.85
(1,2222)	1:268:B:LYS:HE3	1:272:A:GLN:HA	7	0.85
(1,2120)	1:219:B:LYS:HE2	1:216:A:LEU:HD23	3	0.85
(1,2120)	1:216:B:LEU:HD13	1:219:B:LYS:HE2	18	0.85
(1,2119)	1:216:A:LEU:HD13	1:219:A:LYS:HE2	18	0.85
(1,1810)	1:243:B:ARG:HD3	1:240:B:ARG:HG2	12	0.85
(1,1809)	1:243:A:ARG:HD3	1:240:A:ARG:HG2	12	0.85
(1,1513)	1:230:A:LEU:HD23	1:227:B:ALA:HB2	1	0.85
(1,1513)	1:230:A:LEU:HD23	1:227:B:ALA:HB1	17	0.85
(1,1513)	1:230:A:LEU:HD22	1:227:B:ALA:HB1	19	0.85
(1,1438)	1:240:B:ARG:HB2	1:241:B:LEU:HD21	3	0.85
(1,1438)	1:240:B:ARG:HB2	1:241:B:LEU:HD21	16	0.85
(1,1437)	1:240:A:ARG:HB2	1:241:A:LEU:HD21	3	0.85
(1,1437)	1:240:A:ARG:HB2	1:241:A:LEU:HD23	10	0.85
(1,1437)	1:240:A:ARG:HB2	1:241:A:LEU:HD21	16	0.85
(1,1422)	1:258:B:LEU:HD23	1:255:A:PHE:HB2	7	0.85
(1,1421)	1:258:A:LEU:HD21	1:255:B:PHE:HB2	5	0.85
(1,1336)	1:269:B:LEU:HD11	1:268:A:LYS:HB2	12	0.85
(1,1335)	1:269:A:LEU:HD11	1:268:B:LYS:HB2	12	0.85
(1,1300)	1:258:B:LEU:HD12	1:255:A:PHE:HE1	5	0.85
(1,1115)	1:241:A:LEU:HD23	1:237:A:VAL:HG12	15	0.85
(1,625)	1:214:A:GLU:HG2	1:210:A:LEU:HD13	8	0.85
(1,625)	1:214:A:GLU:HG2	1:210:A:LEU:HD11	10	0.85
(1,610)	1:245:B:THR:HG22	1:250:B:LYS:HE3	16	0.85
(1,608)	1:245:B:THR:HG22	1:244:A:ILE:HD11	8	0.85
(1,543)	1:251:A:MET:HE2	1:255:B:PHE:HB2	2	0.85
(1,76)	1:255:B:PHE:HD1	1:257:B:THR:HG23	9	0.85
(1,75)	1:255:A:PHE:HD1	1:257:A:THR:HG23	9	0.85
(1,71)	1:255:A:PHE:HD2	1:251:B:MET:HE2	12	0.85
(3,2741)	1:243:A:ARG:H	1:246:A:ASP:HB3	9	0.84
(3,1893)	1:222:A:SER:HB2	1:219:A:LYS:HG2	19	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1438)	1:241:B:LEU:HD23	1:241:B:LEU:HG	10	0.84
(3,1437)	1:241:A:LEU:HD23	1:241:A:LEU:HG	10	0.84
(3,1305)	1:258:A:LEU:HD12	1:254:A:ASN:HD21	19	0.84
(3,528)	1:251:B:MET:HG3	1:248:B:PHE:HA	10	0.84
(3,528)	1:251:B:MET:HG3	1:248:B:PHE:HA	14	0.84
(3,527)	1:251:A:MET:HG3	1:248:A:PHE:HA	10	0.84
(3,527)	1:251:A:MET:HG3	1:248:A:PHE:HA	14	0.84
(1,2264)	1:263:B:SER:H	1:262:B:LEU:HD12	11	0.84
(1,2263)	1:263:A:SER:H	1:262:A:LEU:HD12	11	0.84
(1,2221)	1:268:A:LYS:HE2	1:272:B:GLN:HA	6	0.84
(1,2212)	1:244:B:ILE:HG21	1:252:A:LYS:HE2	16	0.84
(1,2126)	1:225:B:VAL:HG23	1:227:B:ALA:HB2	2	0.84
(1,2125)	1:225:A:VAL:HG23	1:227:A:ALA:HB2	2	0.84
(1,2125)	1:225:A:VAL:HG22	1:227:A:ALA:HB1	15	0.84
(1,2120)	1:219:B:LYS:HE2	1:216:A:LEU:HD22	8	0.84
(1,2119)	1:219:A:LYS:HE2	1:216:B:LEU:HD23	3	0.84
(1,2119)	1:219:A:LYS:HE2	1:216:B:LEU:HD21	5	0.84
(1,2119)	1:219:A:LYS:HE2	1:216:B:LEU:HD22	8	0.84
(1,1904)	1:268:B:LYS:HE3	1:267:B:GLN:HB2	2	0.84
(1,1901)	1:268:A:LYS:HE3	1:272:B:GLN:HG2	2	0.84
(1,1760)	1:259:B:ARG:HG2	1:257:B:THR:HG22	19	0.84
(1,1759)	1:259:A:ARG:HG2	1:257:A:THR:HG22	19	0.84
(1,1580)	1:216:B:LEU:HD21	1:213:A:ASN:HB2	4	0.84
(1,1579)	1:216:A:LEU:HD21	1:213:B:ASN:HB2	4	0.84
(1,1514)	1:230:B:LEU:HD21	1:227:A:ALA:HB1	4	0.84
(1,1514)	1:230:B:LEU:HD22	1:227:A:ALA:HB3	7	0.84
(1,1514)	1:230:B:LEU:HD23	1:227:A:ALA:HB1	17	0.84
(1,1513)	1:230:A:LEU:HD21	1:227:B:ALA:HB1	3	0.84
(1,1438)	1:240:B:ARG:HB2	1:241:B:LEU:HD23	10	0.84
(1,1438)	1:240:B:ARG:HB2	1:241:B:LEU:HD23	11	0.84
(1,1116)	1:241:B:LEU:HD23	1:237:B:VAL:HG12	15	0.84
(1,844)	1:227:B:ALA:HA	1:226:B:GLU:HG3	15	0.84
(1,843)	1:227:A:ALA:HA	1:226:A:GLU:HG3	15	0.84
(1,626)	1:214:B:GLU:HG2	1:210:B:LEU:HD13	8	0.84
(1,626)	1:214:B:GLU:HG2	1:210:B:LEU:HD11	10	0.84
(1,609)	1:245:A:THR:HG22	1:250:A:LYS:HE3	16	0.84
(1,607)	1:245:A:THR:HG22	1:244:B:ILE:HD11	8	0.84
(1,206)	1:258:B:LEU:HD11	1:260:A:THR:HG21	5	0.84
(1,205)	1:258:A:LEU:HD11	1:260:B:THR:HG23	20	0.84
(1,38)	1:210:B:LEU:HD23	1:209:A:LEU:HB3	4	0.84
(3,2742)	1:243:B:ARG:H	1:246:B:ASP:HB3	9	0.83
(3,1893)	1:222:A:SER:HB2	1:219:A:LYS:HG2	2	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1438)	1:241:B:LEU:HD21	1:241:B:LEU:HG	3	0.83
(3,1438)	1:241:B:LEU:HD21	1:241:B:LEU:HG	8	0.83
(3,1438)	1:241:B:LEU:HD23	1:241:B:LEU:HG	12	0.83
(3,1437)	1:241:A:LEU:HD21	1:241:A:LEU:HG	3	0.83
(3,1437)	1:241:A:LEU:HD23	1:241:A:LEU:HG	5	0.83
(3,1437)	1:241:A:LEU:HD21	1:241:A:LEU:HG	8	0.83
(3,1437)	1:241:A:LEU:HD23	1:241:A:LEU:HG	12	0.83
(3,1306)	1:258:B:LEU:HD12	1:254:B:ASN:HD21	19	0.83
(3,860)	1:251:B:MET:HB3	1:248:B:PHE:HA	6	0.83
(3,528)	1:251:B:MET:HG3	1:248:B:PHE:HA	13	0.83
(3,528)	1:251:B:MET:HG3	1:248:B:PHE:HA	19	0.83
(3,527)	1:251:A:MET:HG3	1:248:A:PHE:HA	13	0.83
(3,527)	1:251:A:MET:HG3	1:248:A:PHE:HA	19	0.83
(3,516)	1:247:B:ASP:HB2	1:251:B:MET:HE1	19	0.83
(3,515)	1:247:A:ASP:HB2	1:251:A:MET:HE1	19	0.83
(3,326)	1:227:B:ALA:HB3	1:223:A:LEU:HD23	3	0.83
(1,2240)	1:244:B:ILE:HG21	1:251:A:MET:HB2	18	0.83
(1,2221)	1:268:A:LYS:HE3	1:272:B:GLN:HA	18	0.83
(1,2126)	1:225:B:VAL:HG22	1:227:B:ALA:HB1	15	0.83
(1,2120)	1:219:B:LYS:HE2	1:216:A:LEU:HD21	5	0.83
(1,1903)	1:268:A:LYS:HE3	1:267:A:GLN:HB2	2	0.83
(1,1514)	1:230:B:LEU:HD22	1:227:A:ALA:HB1	18	0.83
(1,1513)	1:230:A:LEU:HD22	1:227:B:ALA:HB3	2	0.83
(1,1513)	1:230:A:LEU:HD21	1:227:B:ALA:HB1	4	0.83
(1,1513)	1:230:A:LEU:HD23	1:227:B:ALA:HB2	8	0.83
(1,1437)	1:240:A:ARG:HB2	1:241:A:LEU:HD23	11	0.83
(1,1429)	1:258:A:LEU:HD22	1:266:B:GLN:HG2	3	0.83
(1,1329)	1:269:A:LEU:HD12	1:264:B:GLU:HG3	10	0.83
(1,533)	1:251:A:MET:HE2	1:256:B:GLU:H	2	0.83
(1,533)	1:251:A:MET:HE1	1:256:B:GLU:H	7	0.83
(1,274)	1:215:B:SER:HB2	1:219:B:LYS:HE2	5	0.83
(1,206)	1:258:B:LEU:HD13	1:257:A:THR:HG22	7	0.83
(1,37)	1:210:A:LEU:HD23	1:209:B:LEU:HB3	4	0.83
(3,1438)	1:241:B:LEU:HD21	1:241:B:LEU:HG	2	0.82
(3,1438)	1:241:B:LEU:HD23	1:241:B:LEU:HG	5	0.82
(3,1438)	1:241:B:LEU:HD22	1:241:B:LEU:HG	6	0.82
(3,1438)	1:241:B:LEU:HD22	1:241:B:LEU:HG	7	0.82
(3,1438)	1:241:B:LEU:HD23	1:241:B:LEU:HG	13	0.82
(3,1438)	1:241:B:LEU:HD21	1:241:B:LEU:HG	15	0.82
(3,1438)	1:241:B:LEU:HD21	1:241:B:LEU:HG	16	0.82
(3,1438)	1:241:B:LEU:HD23	1:241:B:LEU:HG	17	0.82
(3,1438)	1:241:B:LEU:HD22	1:241:B:LEU:HG	18	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1438)	1:241:B:LEU:HD23	1:241:B:LEU:HG	19	0.82
(3,1437)	1:241:A:LEU:HD21	1:241:A:LEU:HG	2	0.82
(3,1437)	1:241:A:LEU:HD22	1:241:A:LEU:HG	6	0.82
(3,1437)	1:241:A:LEU:HD22	1:241:A:LEU:HG	7	0.82
(3,1437)	1:241:A:LEU:HD23	1:241:A:LEU:HG	13	0.82
(3,1437)	1:241:A:LEU:HD21	1:241:A:LEU:HG	15	0.82
(3,1437)	1:241:A:LEU:HD23	1:241:A:LEU:HG	17	0.82
(3,1437)	1:241:A:LEU:HD22	1:241:A:LEU:HG	18	0.82
(3,1437)	1:241:A:LEU:HD23	1:241:A:LEU:HG	19	0.82
(3,1437)	1:241:A:LEU:HD22	1:241:A:LEU:HG	20	0.82
(3,1388)	1:258:B:LEU:HD22	1:258:B:LEU:HA	18	0.82
(3,1387)	1:258:A:LEU:HD22	1:258:A:LEU:HA	18	0.82
(3,888)	1:266:B:GLN:HG3	1:266:B:GLN:H	4	0.82
(3,887)	1:266:A:GLN:HG3	1:266:A:GLN:H	4	0.82
(3,859)	1:251:A:MET:HB3	1:248:A:PHE:HA	6	0.82
(3,326)	1:227:B:ALA:HB1	1:223:A:LEU:HD22	15	0.82
(3,325)	1:227:A:ALA:HB3	1:223:B:LEU:HD23	3	0.82
(1,2284)	1:265:B:ALA:H	1:267:B:GLN:HG3	7	0.82
(1,2284)	1:265:B:ALA:H	1:267:B:GLN:HG3	20	0.82
(1,2283)	1:265:A:ALA:H	1:267:A:GLN:HG3	20	0.82
(1,2240)	1:244:B:ILE:HG21	1:251:A:MET:HB2	11	0.82
(1,2239)	1:244:A:ILE:HG22	1:251:B:MET:HG3	9	0.82
(1,2239)	1:244:A:ILE:HG21	1:251:B:MET:HB2	11	0.82
(1,2222)	1:268:B:LYS:HE3	1:272:A:GLN:HA	18	0.82
(1,2120)	1:219:B:LYS:HE2	1:216:A:LEU:HD23	14	0.82
(1,1868)	1:240:B:ARG:HG2	1:241:A:LEU:HD21	7	0.82
(1,1514)	1:230:B:LEU:HD22	1:227:A:ALA:HB3	2	0.82
(1,1514)	1:230:B:LEU:HD23	1:227:A:ALA:HB2	8	0.82
(1,1437)	1:241:A:LEU:HD21	1:240:B:ARG:HB2	1	0.82
(1,1330)	1:269:B:LEU:HD12	1:264:A:GLU:HG3	10	0.82
(1,1313)	1:269:A:LEU:HG	1:270:A:ARG:HE	8	0.82
(1,623)	1:264:A:GLU:HG3	1:268:A:LYS:HD2	19	0.82
(1,534)	1:251:B:MET:HE1	1:256:A:GLU:H	7	0.82
(1,205)	1:258:A:LEU:HD13	1:260:B:THR:HG21	2	0.82
(1,95)	1:248:A:PHE:HZ	1:251:B:MET:HB2	9	0.82
(3,1974)	1:225:B:VAL:HG13	1:224:B:GLU:HG2	8	0.81
(3,1974)	1:225:B:VAL:HG13	1:224:B:GLU:HG2	13	0.81
(3,1973)	1:225:A:VAL:HG13	1:224:A:GLU:HG2	8	0.81
(3,1438)	1:241:B:LEU:HD23	1:241:B:LEU:HG	1	0.81
(3,1438)	1:241:B:LEU:HD22	1:241:B:LEU:HG	4	0.81
(3,1438)	1:241:B:LEU:HD21	1:241:B:LEU:HG	9	0.81
(3,1438)	1:241:B:LEU:HD23	1:241:B:LEU:HG	11	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1438)	1:241:B:LEU:HD22	1:241:B:LEU:HG	14	0.81
(3,1438)	1:241:B:LEU:HD22	1:241:B:LEU:HG	20	0.81
(3,1437)	1:241:A:LEU:HD23	1:241:A:LEU:HG	1	0.81
(3,1437)	1:241:A:LEU:HD22	1:241:A:LEU:HG	4	0.81
(3,1437)	1:241:A:LEU:HD21	1:241:A:LEU:HG	9	0.81
(3,1437)	1:241:A:LEU:HD23	1:241:A:LEU:HG	11	0.81
(3,1437)	1:241:A:LEU:HD22	1:241:A:LEU:HG	14	0.81
(3,1437)	1:241:A:LEU:HD21	1:241:A:LEU:HG	16	0.81
(3,1388)	1:258:B:LEU:HD22	1:258:B:LEU:HA	14	0.81
(3,1387)	1:258:A:LEU:HD22	1:258:A:LEU:HA	14	0.81
(3,832)	1:265:B:ALA:HB3	1:262:B:LEU:HA	12	0.81
(3,832)	1:265:B:ALA:HB2	1:262:B:LEU:HA	14	0.81
(3,325)	1:227:A:ALA:HB1	1:223:B:LEU:HD22	15	0.81
(1,2283)	1:265:A:ALA:H	1:267:A:GLN:HG3	7	0.81
(1,2264)	1:263:B:SER:H	1:262:B:LEU:HD11	17	0.81
(1,2263)	1:263:A:SER:H	1:262:A:LEU:HD11	17	0.81
(1,2240)	1:244:B:ILE:HG22	1:251:A:MET:HG3	9	0.81
(1,2125)	1:225:A:VAL:HG23	1:227:A:ALA:HB2	7	0.81
(1,2119)	1:219:A:LYS:HE2	1:216:B:LEU:HD23	14	0.81
(1,1868)	1:240:B:ARG:HG2	1:241:A:LEU:HD21	18	0.81
(1,1575)	1:216:A:LEU:HD22	1:213:B:ASN:HD21	9	0.81
(1,1514)	1:230:B:LEU:HD21	1:227:A:ALA:HB2	13	0.81
(1,1514)	1:230:B:LEU:HD22	1:227:A:ALA:HB2	16	0.81
(1,1513)	1:230:A:LEU:HD22	1:227:B:ALA:HB3	7	0.81
(1,1513)	1:230:A:LEU:HD22	1:227:B:ALA:HB1	18	0.81
(1,1430)	1:258:B:LEU:HD22	1:266:A:GLN:HG2	12	0.81
(1,1430)	1:258:B:LEU:HD21	1:266:A:GLN:HG2	14	0.81
(1,1429)	1:258:A:LEU:HD22	1:266:B:GLN:HG2	12	0.81
(1,1421)	1:258:A:LEU:HD21	1:255:B:PHE:HB2	17	0.81
(1,1335)	1:269:A:LEU:HD11	1:268:B:LYS:HB2	20	0.81
(1,1314)	1:269:B:LEU:HG	1:270:B:ARG:HE	8	0.81
(1,1116)	1:241:B:LEU:HD21	1:237:B:VAL:HG13	18	0.81
(1,1115)	1:241:A:LEU:HD21	1:237:A:VAL:HG13	18	0.81
(1,975)	1:217:A:GLN:HG2	1:216:B:LEU:HD22	9	0.81
(1,714)	1:212:B:GLU:HG3	1:208:B:ARG:HG2	14	0.81
(1,626)	1:214:B:GLU:HG2	1:210:B:LEU:HD11	1	0.81
(1,534)	1:251:B:MET:HE3	1:254:A:ASN:H	15	0.81
(1,414)	1:234:B:ASN:HA	1:237:A:VAL:HG12	12	0.81
(1,413)	1:234:A:ASN:HA	1:237:B:VAL:HG12	12	0.81
(1,273)	1:215:A:SER:HB2	1:219:A:LYS:HE2	5	0.81
(1,206)	1:258:B:LEU:HD12	1:257:A:THR:HG23	9	0.81
(1,205)	1:258:A:LEU:HD11	1:260:B:THR:HG21	5	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,205)	1:258:A:LEU:HD12	1:257:B:THR:HG23	9	0.81
(1,96)	1:248:B:PHE:HZ	1:251:A:MET:HB2	9	0.81
(1,71)	1:255:A:PHE:HD2	1:251:B:MET:HE2	10	0.81
(3,1974)	1:225:B:VAL:HG11	1:224:B:GLU:HG2	2	0.8
(3,1973)	1:225:A:VAL:HG11	1:224:A:GLU:HG2	2	0.8
(3,1973)	1:225:A:VAL:HG13	1:224:A:GLU:HG2	13	0.8
(3,1894)	1:222:B:SER:HB2	1:219:B:LYS:HG2	4	0.8
(3,1392)	1:258:B:LEU:HD11	1:261:B:GLU:HG2	17	0.8
(3,1391)	1:258:A:LEU:HD11	1:261:A:GLU:HG2	17	0.8
(3,1388)	1:258:B:LEU:HD23	1:258:B:LEU:HA	5	0.8
(3,1388)	1:258:B:LEU:HD22	1:258:B:LEU:HA	19	0.8
(3,1387)	1:258:A:LEU:HD23	1:258:A:LEU:HA	5	0.8
(3,1387)	1:258:A:LEU:HD22	1:258:A:LEU:HA	13	0.8
(3,1387)	1:258:A:LEU:HD23	1:258:A:LEU:HA	17	0.8
(3,1387)	1:258:A:LEU:HD22	1:258:A:LEU:HA	19	0.8
(3,1306)	1:258:B:LEU:HD13	1:254:B:ASN:HD21	14	0.8
(3,1305)	1:258:A:LEU:HD13	1:254:A:ASN:HD21	14	0.8
(3,942)	1:265:B:ALA:HB3	1:266:B:GLN:HG3	2	0.8
(3,888)	1:266:B:GLN:HG3	1:266:B:GLN:H	14	0.8
(3,860)	1:251:B:MET:HB3	1:248:B:PHE:HA	5	0.8
(3,860)	1:251:B:MET:HB3	1:248:B:PHE:HA	7	0.8
(3,859)	1:251:A:MET:HB3	1:248:A:PHE:HA	5	0.8
(3,859)	1:251:A:MET:HB3	1:248:A:PHE:HA	7	0.8
(3,832)	1:265:B:ALA:HB1	1:262:B:LEU:HA	11	0.8
(3,831)	1:265:A:ALA:HB1	1:262:A:LEU:HA	11	0.8
(3,831)	1:265:A:ALA:HB3	1:262:A:LEU:HA	12	0.8
(3,831)	1:265:A:ALA:HB2	1:262:A:LEU:HA	14	0.8
(3,528)	1:251:B:MET:HG3	1:248:B:PHE:HA	15	0.8
(3,527)	1:251:A:MET:HG3	1:248:A:PHE:HA	15	0.8
(3,329)	1:227:A:ALA:HA	1:226:A:GLU:HG3	2	0.8
(3,326)	1:227:B:ALA:HB1	1:223:A:LEU:HD21	13	0.8
(1,2263)	1:263:A:SER:H	1:262:B:LEU:HD12	16	0.8
(1,2221)	1:268:A:LYS:HE3	1:272:B:GLN:HA	7	0.8
(1,2126)	1:225:B:VAL:HG23	1:227:B:ALA:HB2	7	0.8
(1,1868)	1:240:B:ARG:HG2	1:241:A:LEU:HD22	11	0.8
(1,1867)	1:240:A:ARG:HG2	1:241:B:LEU:HD21	18	0.8
(1,1810)	1:243:B:ARG:HD2	1:245:B:THR:HG23	2	0.8
(1,1579)	1:216:A:LEU:HD21	1:213:B:ASN:HB2	10	0.8
(1,1576)	1:216:B:LEU:HD22	1:213:A:ASN:HD21	9	0.8
(1,1514)	1:230:B:LEU:HD21	1:227:A:ALA:HB2	15	0.8
(1,1513)	1:230:A:LEU:HD23	1:227:B:ALA:HB2	14	0.8
(1,1438)	1:240:B:ARG:HB2	1:241:B:LEU:HD22	18	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1429)	1:258:A:LEU:HD21	1:266:B:GLN:HG2	14	0.8
(1,1421)	1:258:A:LEU:HD23	1:255:B:PHE:HB2	7	0.8
(1,1176)	1:244:B:ILE:HG21	1:243:B:ARG:HB2	16	0.8
(1,976)	1:217:B:GLN:HG2	1:216:A:LEU:HD22	9	0.8
(1,962)	1:217:B:GLN:HG2	1:214:B:GLU:HA	4	0.8
(1,961)	1:217:A:GLN:HG2	1:214:A:GLU:HA	4	0.8
(1,885)	1:212:A:GLU:HG3	1:217:B:GLN:HE21	15	0.8
(1,844)	1:227:B:ALA:HA	1:226:B:GLU:HG3	10	0.8
(1,843)	1:227:A:ALA:HA	1:226:A:GLU:HG3	10	0.8
(1,625)	1:214:A:GLU:HG2	1:210:A:LEU:HD11	1	0.8
(1,624)	1:264:B:GLU:HG3	1:268:B:LYS:HD2	19	0.8
(1,544)	1:251:B:MET:HE3	1:255:A:PHE:HB2	11	0.8
(1,543)	1:251:A:MET:HE2	1:255:B:PHE:HB2	9	0.8
(1,543)	1:251:A:MET:HE3	1:255:B:PHE:HB2	11	0.8
(1,534)	1:251:B:MET:HE2	1:254:A:ASN:H	10	0.8
(1,533)	1:251:A:MET:HE2	1:254:B:ASN:H	10	0.8
(1,533)	1:251:A:MET:HE3	1:254:B:ASN:H	15	0.8
(1,332)	1:227:B:ALA:HB2	1:227:B:ALA:HA	10	0.8
(1,332)	1:227:B:ALA:HB2	1:227:B:ALA:HA	13	0.8
(1,331)	1:227:A:ALA:HB2	1:227:A:ALA:HA	13	0.8
(1,135)	1:255:A:PHE:HE2	1:251:B:MET:HE2	10	0.8
(3,1974)	1:225:B:VAL:HG13	1:224:B:GLU:HG2	12	0.79
(3,1974)	1:225:B:VAL:HG11	1:224:B:GLU:HG2	19	0.79
(3,1973)	1:225:A:VAL:HG13	1:224:A:GLU:HG2	12	0.79
(3,1973)	1:225:A:VAL:HG11	1:224:A:GLU:HG2	19	0.79
(3,1893)	1:222:A:SER:HB2	1:219:A:LYS:HG2	4	0.79
(3,1388)	1:258:B:LEU:HD22	1:258:B:LEU:HA	7	0.79
(3,1388)	1:258:B:LEU:HD23	1:258:B:LEU:HA	10	0.79
(3,1388)	1:258:B:LEU:HD22	1:258:B:LEU:HA	13	0.79
(3,1388)	1:258:B:LEU:HD22	1:258:B:LEU:HA	15	0.79
(3,1388)	1:258:B:LEU:HD23	1:258:B:LEU:HA	17	0.79
(3,1388)	1:258:B:LEU:HD21	1:258:B:LEU:HA	20	0.79
(3,1387)	1:258:A:LEU:HD22	1:258:A:LEU:HA	7	0.79
(3,1387)	1:258:A:LEU:HD23	1:258:A:LEU:HA	10	0.79
(3,1387)	1:258:A:LEU:HD23	1:258:A:LEU:HA	12	0.79
(3,1387)	1:258:A:LEU:HD21	1:258:A:LEU:HA	20	0.79
(3,1305)	1:258:A:LEU:HD13	1:254:A:ASN:HD21	13	0.79
(3,1298)	1:269:B:LEU:HD23	1:273:B:GLN:HE22	17	0.79
(3,1297)	1:269:A:LEU:HD23	1:273:A:GLN:HE22	17	0.79
(3,1074)	1:249:B:VAL:HB	1:253:B:ASP:HB3	17	0.79
(3,887)	1:266:A:GLN:HG3	1:266:A:GLN:H	14	0.79
(3,832)	1:265:B:ALA:HB1	1:262:B:LEU:HA	6	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,832)	1:265:B:ALA:HB2	1:262:B:LEU:HA	7	0.79
(3,832)	1:265:B:ALA:HB2	1:262:B:LEU:HA	10	0.79
(3,831)	1:265:A:ALA:HB1	1:262:A:LEU:HA	6	0.79
(3,831)	1:265:A:ALA:HB2	1:262:A:LEU:HA	10	0.79
(3,474)	1:246:B:ASP:HB3	1:243:B:ARG:HA	9	0.79
(3,473)	1:246:A:ASP:HB3	1:243:A:ARG:HA	9	0.79
(3,330)	1:227:B:ALA:HA	1:226:B:GLU:HG3	2	0.79
(3,325)	1:227:A:ALA:HB1	1:223:B:LEU:HD23	8	0.79
(1,2284)	1:265:B:ALA:H	1:267:B:GLN:HG3	15	0.79
(1,2283)	1:265:A:ALA:H	1:267:A:GLN:HG3	15	0.79
(1,2264)	1:263:B:SER:H	1:262:A:LEU:HD12	16	0.79
(1,2232)	1:216:B:LEU:HD11	1:220:A:ILE:HA	6	0.79
(1,2231)	1:216:A:LEU:HD11	1:220:B:ILE:HA	6	0.79
(1,2123)	1:225:A:VAL:HG11	1:222:A:SER:HB3	5	0.79
(1,2120)	1:219:B:LYS:HE2	1:216:A:LEU:HD23	12	0.79
(1,2120)	1:219:B:LYS:HE2	1:216:A:LEU:HD21	17	0.79
(1,2086)	1:228:B:LYS:HE2	1:225:B:VAL:HG21	14	0.79
(1,1867)	1:240:A:ARG:HG2	1:241:B:LEU:HD22	11	0.79
(1,1810)	1:243:B:ARG:HD2	1:240:B:ARG:HG2	9	0.79
(1,1809)	1:243:A:ARG:HD2	1:245:A:THR:HG23	2	0.79
(1,1809)	1:243:A:ARG:HD2	1:240:A:ARG:HG2	9	0.79
(1,1802)	1:243:B:ARG:HD3	1:239:B:GLU:HB3	5	0.79
(1,1513)	1:230:A:LEU:HD21	1:227:B:ALA:HB2	13	0.79
(1,1513)	1:230:A:LEU:HD21	1:227:B:ALA:HB2	15	0.79
(1,1513)	1:230:A:LEU:HD22	1:227:B:ALA:HB2	16	0.79
(1,1437)	1:240:A:ARG:HB2	1:241:A:LEU:HD22	18	0.79
(1,1430)	1:258:B:LEU:HD22	1:266:A:GLN:HG2	3	0.79
(1,1422)	1:258:B:LEU:HD21	1:255:A:PHE:HB2	17	0.79
(1,1336)	1:269:B:LEU:HD11	1:268:A:LYS:HB2	4	0.79
(1,1336)	1:269:B:LEU:HD11	1:268:A:LYS:HB2	10	0.79
(1,1335)	1:269:A:LEU:HD11	1:268:B:LYS:HB2	4	0.79
(1,1330)	1:269:B:LEU:HD12	1:264:A:GLU:HG3	17	0.79
(1,1175)	1:244:A:ILE:HG21	1:243:A:ARG:HB2	16	0.79
(1,886)	1:212:B:GLU:HG3	1:217:A:GLN:HE21	15	0.79
(1,713)	1:212:A:GLU:HG3	1:208:A:ARG:HG2	14	0.79
(1,607)	1:245:A:THR:HG22	1:244:B:ILE:HD12	2	0.79
(1,544)	1:251:B:MET:HE2	1:255:A:PHE:HB2	9	0.79
(1,414)	1:234:B:ASN:HA	1:237:B:VAL:HG23	19	0.79
(1,413)	1:234:A:ASN:HA	1:237:A:VAL:HG23	19	0.79
(1,332)	1:227:B:ALA:HB2	1:227:B:ALA:HA	1	0.79
(1,332)	1:227:B:ALA:HB3	1:227:B:ALA:HA	2	0.79
(1,332)	1:227:B:ALA:HB1	1:227:B:ALA:HA	4	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,332)	1:227:B:ALA:HB1	1:227:B:ALA:HA	5	0.79
(1,332)	1:227:B:ALA:HB2	1:227:B:ALA:HA	6	0.79
(1,332)	1:227:B:ALA:HB3	1:227:B:ALA:HA	7	0.79
(1,332)	1:227:B:ALA:HB2	1:227:B:ALA:HA	8	0.79
(1,332)	1:227:B:ALA:HB1	1:227:B:ALA:HA	9	0.79
(1,332)	1:227:B:ALA:HB1	1:227:B:ALA:HA	12	0.79
(1,332)	1:227:B:ALA:HB2	1:227:B:ALA:HA	14	0.79
(1,332)	1:227:B:ALA:HB2	1:227:B:ALA:HA	15	0.79
(1,332)	1:227:B:ALA:HB1	1:227:B:ALA:HA	17	0.79
(1,332)	1:227:B:ALA:HB3	1:227:B:ALA:HA	20	0.79
(1,331)	1:227:A:ALA:HB2	1:227:A:ALA:HA	1	0.79
(1,331)	1:227:A:ALA:HB3	1:227:A:ALA:HA	2	0.79
(1,331)	1:227:A:ALA:HB1	1:227:A:ALA:HA	3	0.79
(1,331)	1:227:A:ALA:HB1	1:227:A:ALA:HA	4	0.79
(1,331)	1:227:A:ALA:HB1	1:227:A:ALA:HA	5	0.79
(1,331)	1:227:A:ALA:HB2	1:227:A:ALA:HA	6	0.79
(1,331)	1:227:A:ALA:HB3	1:227:A:ALA:HA	7	0.79
(1,331)	1:227:A:ALA:HB2	1:227:A:ALA:HA	8	0.79
(1,331)	1:227:A:ALA:HB1	1:227:A:ALA:HA	9	0.79
(1,331)	1:227:A:ALA:HB1	1:227:A:ALA:HA	12	0.79
(1,331)	1:227:A:ALA:HB2	1:227:A:ALA:HA	14	0.79
(1,331)	1:227:A:ALA:HB2	1:227:A:ALA:HA	15	0.79
(1,331)	1:227:A:ALA:HB1	1:227:A:ALA:HA	17	0.79
(1,331)	1:227:A:ALA:HB1	1:227:B:ALA:HA	19	0.79
(1,331)	1:227:A:ALA:HB3	1:227:A:ALA:HA	20	0.79
(1,252)	1:222:B:SER:HB2	1:223:B:LEU:HD21	19	0.79
(1,251)	1:222:A:SER:HB2	1:223:A:LEU:HD21	19	0.79
(1,206)	1:258:B:LEU:HD11	1:260:A:THR:HG23	6	0.79
(1,205)	1:258:A:LEU:HD11	1:260:B:THR:HG22	15	0.79
(1,202)	1:255:B:PHE:HZ	1:251:A:MET:HE3	16	0.79
(1,201)	1:255:A:PHE:HZ	1:251:B:MET:HE3	16	0.79
(3,2656)	1:229:B:ARG:HB2	1:229:B:ARG:H	5	0.78
(3,2655)	1:229:A:ARG:HB2	1:229:A:ARG:H	5	0.78
(3,1601)	1:209:A:LEU:HD23	1:206:A:PHE:HA	10	0.78
(3,1388)	1:258:B:LEU:HD23	1:258:B:LEU:HA	3	0.78
(3,1388)	1:258:B:LEU:HD23	1:258:B:LEU:HA	8	0.78
(3,1388)	1:258:B:LEU:HD22	1:258:B:LEU:HA	9	0.78
(3,1388)	1:258:B:LEU:HD23	1:258:B:LEU:HA	12	0.78
(3,1388)	1:258:B:LEU:HD23	1:258:B:LEU:HA	16	0.78
(3,1387)	1:258:A:LEU:HD23	1:258:A:LEU:HA	3	0.78
(3,1387)	1:258:A:LEU:HD23	1:258:A:LEU:HA	8	0.78
(3,1387)	1:258:A:LEU:HD22	1:258:A:LEU:HA	9	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1387)	1:258:A:LEU:HD22	1:258:A:LEU:HA	15	0.78
(3,1387)	1:258:A:LEU:HD23	1:258:A:LEU:HA	16	0.78
(3,1306)	1:258:B:LEU:HD13	1:254:B:ASN:HD21	13	0.78
(3,1073)	1:249:A:VAL:HB	1:253:A:ASP:HB3	16	0.78
(3,1073)	1:249:A:VAL:HB	1:253:A:ASP:HB3	17	0.78
(3,941)	1:265:A:ALA:HB3	1:266:A:GLN:HG3	2	0.78
(3,832)	1:265:B:ALA:HB2	1:262:B:LEU:HA	15	0.78
(3,831)	1:265:A:ALA:HB2	1:262:A:LEU:HA	7	0.78
(3,831)	1:265:A:ALA:HB2	1:262:A:LEU:HA	9	0.78
(3,831)	1:265:A:ALA:HB2	1:262:A:LEU:HA	15	0.78
(3,326)	1:227:B:ALA:HB1	1:223:A:LEU:HD23	8	0.78
(3,325)	1:227:A:ALA:HB2	1:223:B:LEU:HD23	2	0.78
(3,325)	1:227:A:ALA:HB1	1:223:B:LEU:HD21	13	0.78
(1,2231)	1:216:A:LEU:HD12	1:220:B:ILE:HA	15	0.78
(1,2124)	1:225:B:VAL:HG11	1:222:B:SER:HB3	5	0.78
(1,2119)	1:219:A:LYS:HE2	1:216:B:LEU:HD23	12	0.78
(1,1902)	1:268:B:LYS:HE3	1:272:A:GLN:HG3	8	0.78
(1,1901)	1:268:A:LYS:HE3	1:272:B:GLN:HG3	8	0.78
(1,1901)	1:264:A:GLU:HG2	1:268:A:LYS:HE2	18	0.78
(1,1868)	1:240:B:ARG:HG2	1:241:A:LEU:HD23	6	0.78
(1,1801)	1:243:A:ARG:HD3	1:239:A:GLU:HB3	5	0.78
(1,1514)	1:230:B:LEU:HD23	1:227:A:ALA:HB2	14	0.78
(1,1514)	1:230:B:LEU:HD21	1:227:A:ALA:HB3	20	0.78
(1,1438)	1:241:B:LEU:HD21	1:240:A:ARG:HB2	1	0.78
(1,878)	1:262:B:LEU:HA	1:262:B:LEU:HB3	7	0.78
(1,877)	1:262:A:LEU:HA	1:262:A:LEU:HB3	2	0.78
(1,877)	1:262:A:LEU:HA	1:262:A:LEU:HB3	6	0.78
(1,877)	1:262:A:LEU:HA	1:262:A:LEU:HB3	8	0.78
(1,877)	1:262:A:LEU:HA	1:262:A:LEU:HB3	18	0.78
(1,877)	1:262:A:LEU:HA	1:262:A:LEU:HB3	20	0.78
(1,713)	1:212:A:GLU:HG3	1:208:A:ARG:HG3	19	0.78
(1,332)	1:227:B:ALA:HB1	1:227:B:ALA:HA	3	0.78
(1,331)	1:227:A:ALA:HB2	1:227:B:ALA:HA	10	0.78
(1,206)	1:258:B:LEU:HD12	1:260:A:THR:HG23	1	0.78
(1,206)	1:258:B:LEU:HD13	1:260:A:THR:HG22	12	0.78
(1,206)	1:258:B:LEU:HD11	1:260:A:THR:HG22	15	0.78
(1,205)	1:258:A:LEU:HD13	1:257:B:THR:HG22	7	0.78
(1,136)	1:255:B:PHE:HE2	1:251:A:MET:HE2	10	0.78
(1,136)	1:255:B:PHE:HE2	1:251:A:MET:HE2	12	0.78
(1,135)	1:255:A:PHE:HE2	1:251:B:MET:HE2	12	0.78
(1,72)	1:255:B:PHE:HD2	1:251:A:MET:HE2	10	0.78
(3,2656)	1:229:B:ARG:HB2	1:229:B:ARG:H	11	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1974)	1:225:B:VAL:HG13	1:224:B:GLU:HG2	3	0.77
(3,1969)	1:229:A:ARG:HG3	1:225:A:VAL:HG11	19	0.77
(3,1602)	1:209:B:LEU:HD23	1:206:B:PHE:HA	10	0.77
(3,1558)	1:223:B:LEU:HD23	1:224:A:GLU:HG3	16	0.77
(3,1557)	1:223:A:LEU:HD23	1:224:B:GLU:HG3	16	0.77
(3,1392)	1:258:B:LEU:HD13	1:261:B:GLU:HG2	18	0.77
(3,1391)	1:258:A:LEU:HD13	1:261:A:GLU:HG2	18	0.77
(3,1388)	1:258:B:LEU:HD21	1:258:B:LEU:HA	1	0.77
(3,1388)	1:258:B:LEU:HD23	1:258:B:LEU:HA	2	0.77
(3,1388)	1:258:B:LEU:HD23	1:258:B:LEU:HA	6	0.77
(3,1388)	1:258:B:LEU:HD21	1:258:B:LEU:HA	11	0.77
(3,1387)	1:258:A:LEU:HD21	1:258:A:LEU:HA	1	0.77
(3,1387)	1:258:A:LEU:HD23	1:258:A:LEU:HA	2	0.77
(3,1387)	1:258:A:LEU:HD23	1:258:A:LEU:HA	6	0.77
(3,1387)	1:258:A:LEU:HD21	1:258:A:LEU:HA	11	0.77
(3,888)	1:266:B:GLN:HG3	1:266:B:GLN:H	12	0.77
(3,887)	1:266:A:GLN:HG3	1:266:A:GLN:H	12	0.77
(3,832)	1:265:B:ALA:HB1	1:262:B:LEU:HA	2	0.77
(3,832)	1:265:B:ALA:HB2	1:262:B:LEU:HA	9	0.77
(3,832)	1:265:B:ALA:HB2	1:262:B:LEU:HA	20	0.77
(3,831)	1:265:A:ALA:HB1	1:262:A:LEU:HA	2	0.77
(3,831)	1:265:A:ALA:HB2	1:262:A:LEU:HA	20	0.77
(3,560)	1:257:B:THR:HG21	1:261:B:GLU:HG2	1	0.77
(3,559)	1:257:A:THR:HG21	1:261:A:GLU:HG2	1	0.77
(3,330)	1:227:B:ALA:HA	1:226:B:GLU:HG3	3	0.77
(3,329)	1:227:A:ALA:HA	1:226:A:GLU:HG3	3	0.77
(3,326)	1:227:B:ALA:HB2	1:223:A:LEU:HD23	2	0.77
(3,325)	1:227:A:ALA:HB1	1:223:B:LEU:HD23	14	0.77
(1,2119)	1:219:A:LYS:HE2	1:216:B:LEU:HD21	17	0.77
(1,2119)	1:219:A:LYS:HE2	1:216:B:LEU:HD22	20	0.77
(1,2085)	1:228:A:LYS:HE2	1:225:A:VAL:HG21	14	0.77
(1,1902)	1:264:B:GLU:HG2	1:268:B:LYS:HE2	18	0.77
(1,1867)	1:240:A:ARG:HG2	1:241:B:LEU:HD21	7	0.77
(1,1580)	1:216:B:LEU:HD21	1:213:A:ASN:HB2	10	0.77
(1,1578)	1:216:B:LEU:HD22	1:213:A:ASN:HA	16	0.77
(1,1577)	1:216:A:LEU:HD22	1:213:B:ASN:HA	16	0.77
(1,1576)	1:216:B:LEU:HD23	1:213:A:ASN:HD21	8	0.77
(1,1575)	1:216:A:LEU:HD21	1:213:B:ASN:HD21	4	0.77
(1,1575)	1:216:A:LEU:HD23	1:213:B:ASN:HD21	8	0.77
(1,1329)	1:269:A:LEU:HD12	1:264:B:GLU:HG3	17	0.77
(1,1231)	1:220:A:ILE:HG21	1:220:A:ILE:HG13	3	0.77
(1,1231)	1:220:A:ILE:HG21	1:220:A:ILE:HG13	5	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1180)	1:245:B:THR:HG21	1:244:B:ILE:HG21	12	0.77
(1,1180)	1:245:B:THR:HG23	1:244:B:ILE:HG22	19	0.77
(1,1179)	1:245:A:THR:HG21	1:244:A:ILE:HG21	12	0.77
(1,1179)	1:245:A:THR:HG23	1:244:A:ILE:HG22	19	0.77
(1,1025)	1:218:A:GLN:HG2	1:215:A:SER:H	2	0.77
(1,878)	1:262:B:LEU:HA	1:262:B:LEU:HB3	1	0.77
(1,878)	1:262:B:LEU:HA	1:262:B:LEU:HB3	2	0.77
(1,878)	1:262:B:LEU:HA	1:262:B:LEU:HB3	3	0.77
(1,878)	1:262:B:LEU:HA	1:262:B:LEU:HB3	4	0.77
(1,878)	1:262:B:LEU:HA	1:262:B:LEU:HB3	5	0.77
(1,878)	1:262:B:LEU:HA	1:262:B:LEU:HB3	6	0.77
(1,878)	1:262:B:LEU:HA	1:262:B:LEU:HB3	8	0.77
(1,878)	1:262:B:LEU:HA	1:262:B:LEU:HB3	9	0.77
(1,878)	1:262:B:LEU:HA	1:262:B:LEU:HB3	10	0.77
(1,878)	1:262:B:LEU:HA	1:262:B:LEU:HB3	12	0.77
(1,878)	1:262:B:LEU:HA	1:262:B:LEU:HB3	13	0.77
(1,878)	1:262:B:LEU:HA	1:262:B:LEU:HB3	14	0.77
(1,878)	1:262:B:LEU:HA	1:262:B:LEU:HB3	15	0.77
(1,878)	1:262:B:LEU:HA	1:262:B:LEU:HB3	17	0.77
(1,878)	1:262:B:LEU:HA	1:262:B:LEU:HB3	18	0.77
(1,878)	1:262:B:LEU:HA	1:262:B:LEU:HB3	19	0.77
(1,878)	1:262:B:LEU:HA	1:262:B:LEU:HB3	20	0.77
(1,877)	1:262:A:LEU:HA	1:262:A:LEU:HB3	1	0.77
(1,877)	1:262:A:LEU:HA	1:262:A:LEU:HB3	3	0.77
(1,877)	1:262:A:LEU:HA	1:262:A:LEU:HB3	4	0.77
(1,877)	1:262:A:LEU:HA	1:262:A:LEU:HB3	5	0.77
(1,877)	1:262:A:LEU:HA	1:262:A:LEU:HB3	7	0.77
(1,877)	1:262:A:LEU:HA	1:262:A:LEU:HB3	9	0.77
(1,877)	1:262:A:LEU:HA	1:262:A:LEU:HB3	10	0.77
(1,877)	1:262:A:LEU:HA	1:262:A:LEU:HB3	11	0.77
(1,877)	1:262:A:LEU:HA	1:262:A:LEU:HB3	12	0.77
(1,877)	1:262:A:LEU:HA	1:262:A:LEU:HB3	13	0.77
(1,877)	1:262:A:LEU:HA	1:262:A:LEU:HB3	14	0.77
(1,877)	1:262:A:LEU:HA	1:262:A:LEU:HB3	15	0.77
(1,877)	1:262:A:LEU:HA	1:262:A:LEU:HB3	17	0.77
(1,877)	1:262:A:LEU:HA	1:262:A:LEU:HB3	19	0.77
(1,714)	1:212:B:GLU:HG3	1:208:B:ARG:HG3	19	0.77
(1,533)	1:251:A:MET:HE2	1:256:B:GLU:H	16	0.77
(1,332)	1:227:B:ALA:HB1	1:227:A:ALA:HA	19	0.77
(1,206)	1:258:B:LEU:HD11	1:257:A:THR:HG21	3	0.77
(1,205)	1:258:A:LEU:HD11	1:260:B:THR:HG23	6	0.77
(1,205)	1:258:A:LEU:HD13	1:260:B:THR:HG22	12	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,201)	1:255:A:PHE:HZ	1:251:B:MET:HE2	17	0.77
(3,2655)	1:229:A:ARG:HB2	1:229:A:ARG:H	11	0.76
(3,1974)	1:225:B:VAL:HG13	1:224:B:GLU:HG2	4	0.76
(3,1973)	1:225:A:VAL:HG13	1:224:A:GLU:HG2	3	0.76
(3,1970)	1:229:B:ARG:HG3	1:225:B:VAL:HG11	19	0.76
(3,1511)	1:226:A:GLU:HG3	1:230:A:LEU:HD11	8	0.76
(3,1388)	1:258:B:LEU:HD23	1:258:B:LEU:HA	4	0.76
(3,1387)	1:258:A:LEU:HD23	1:258:A:LEU:HA	4	0.76
(3,1356)	1:262:B:LEU:HB2	1:262:B:LEU:HA	11	0.76
(3,1355)	1:262:A:LEU:HB2	1:262:A:LEU:HA	11	0.76
(3,1074)	1:249:B:VAL:HB	1:253:B:ASP:HB3	16	0.76
(3,1073)	1:249:A:VAL:HB	1:253:A:ASP:HB3	6	0.76
(3,832)	1:265:B:ALA:HB3	1:262:B:LEU:HA	3	0.76
(3,832)	1:265:B:ALA:HB3	1:262:B:LEU:HA	8	0.76
(3,832)	1:265:B:ALA:HB3	1:262:B:LEU:HA	13	0.76
(3,831)	1:265:A:ALA:HB3	1:262:A:LEU:HA	3	0.76
(3,831)	1:265:A:ALA:HB3	1:262:A:LEU:HA	8	0.76
(3,682)	1:212:B:GLU:HG3	1:211:B:ALA:HB1	2	0.76
(3,681)	1:212:A:GLU:HG3	1:211:A:ALA:HB1	2	0.76
(3,516)	1:247:B:ASP:HB2	1:251:B:MET:HE1	9	0.76
(3,326)	1:227:B:ALA:HB1	1:223:A:LEU:HD23	14	0.76
(1,2264)	1:263:B:SER:H	1:262:A:LEU:HD12	4	0.76
(1,2232)	1:216:B:LEU:HD12	1:220:A:ILE:HA	15	0.76
(1,1902)	1:264:B:GLU:HG2	1:268:B:LYS:HE2	14	0.76
(1,1901)	1:264:A:GLU:HG2	1:268:A:LYS:HE2	14	0.76
(1,1867)	1:240:A:ARG:HG2	1:241:B:LEU:HD23	6	0.76
(1,1798)	1:239:B:GLU:HG3	1:243:B:ARG:HD2	8	0.76
(1,1797)	1:239:A:GLU:HG3	1:243:A:ARG:HD2	8	0.76
(1,1578)	1:216:B:LEU:HD21	1:213:A:ASN:HA	12	0.76
(1,1576)	1:216:B:LEU:HD21	1:213:A:ASN:HD21	4	0.76
(1,1438)	1:240:B:ARG:HB2	1:241:B:LEU:HD22	20	0.76
(1,1437)	1:240:A:ARG:HB2	1:241:A:LEU:HD22	20	0.76
(1,1336)	1:269:B:LEU:HD11	1:268:A:LYS:HB2	20	0.76
(1,1335)	1:269:A:LEU:HD11	1:268:B:LYS:HB2	10	0.76
(1,1330)	1:269:B:LEU:HD13	1:264:A:GLU:HG3	15	0.76
(1,1329)	1:269:A:LEU:HD13	1:264:B:GLU:HG3	15	0.76
(1,1232)	1:220:B:ILE:HG22	1:220:B:ILE:HG13	2	0.76
(1,1232)	1:220:B:ILE:HG21	1:220:B:ILE:HG13	3	0.76
(1,1232)	1:220:B:ILE:HG21	1:220:B:ILE:HG13	5	0.76
(1,1232)	1:220:B:ILE:HG22	1:220:B:ILE:HG13	7	0.76
(1,1232)	1:220:B:ILE:HG22	1:220:B:ILE:HG13	17	0.76
(1,1232)	1:220:B:ILE:HG21	1:220:B:ILE:HG13	18	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1231)	1:220:A:ILE:HG22	1:220:A:ILE:HG13	2	0.76
(1,1231)	1:220:A:ILE:HG22	1:220:A:ILE:HG13	6	0.76
(1,1231)	1:220:A:ILE:HG22	1:220:A:ILE:HG13	7	0.76
(1,1231)	1:220:A:ILE:HG22	1:220:A:ILE:HG13	17	0.76
(1,1026)	1:218:B:GLN:HG2	1:215:B:SER:H	2	0.76
(1,878)	1:262:B:LEU:HA	1:262:B:LEU:HB3	11	0.76
(1,878)	1:262:B:LEU:HA	1:262:B:LEU:HB3	16	0.76
(1,877)	1:262:A:LEU:HA	1:262:A:LEU:HB3	16	0.76
(1,608)	1:245:B:THR:HG22	1:244:A:ILE:HD12	2	0.76
(1,543)	1:251:A:MET:HE1	1:255:B:PHE:HB2	4	0.76
(1,533)	1:251:A:MET:HE2	1:254:B:ASN:H	13	0.76
(1,331)	1:227:A:ALA:HB2	1:227:B:ALA:HA	16	0.76
(1,331)	1:227:A:ALA:HB1	1:227:B:ALA:HA	18	0.76
(1,274)	1:215:B:SER:HB2	1:219:B:LYS:HE2	13	0.76
(1,273)	1:215:A:SER:HB2	1:219:A:LYS:HE2	13	0.76
(1,205)	1:258:A:LEU:HD12	1:260:B:THR:HG23	14	0.76
(1,202)	1:255:B:PHE:HZ	1:251:A:MET:HE2	17	0.76
(3,1973)	1:225:A:VAL:HG13	1:224:A:GLU:HG2	4	0.75
(3,1512)	1:226:B:GLU:HG3	1:230:B:LEU:HD11	8	0.75
(3,1074)	1:249:B:VAL:HB	1:253:B:ASP:HB3	2	0.75
(3,971)	1:238:A:GLN:HG3	1:233:B:PHE:HZ	2	0.75
(3,887)	1:266:A:GLN:HG3	1:266:A:GLN:H	10	0.75
(3,860)	1:251:B:MET:HB3	1:248:B:PHE:HA	11	0.75
(3,859)	1:251:A:MET:HB3	1:248:A:PHE:HA	11	0.75
(3,832)	1:265:B:ALA:HB2	1:262:B:LEU:HA	1	0.75
(3,832)	1:265:B:ALA:HB2	1:262:B:LEU:HA	18	0.75
(3,831)	1:265:A:ALA:HB2	1:262:A:LEU:HA	1	0.75
(3,831)	1:265:A:ALA:HB3	1:262:A:LEU:HA	13	0.75
(3,831)	1:265:A:ALA:HB2	1:262:A:LEU:HA	18	0.75
(3,515)	1:247:A:ASP:HB2	1:251:A:MET:HE1	14	0.75
(3,330)	1:227:B:ALA:HA	1:226:B:GLU:HG3	8	0.75
(3,329)	1:227:A:ALA:HA	1:226:A:GLU:HG3	8	0.75
(3,325)	1:227:A:ALA:HB2	1:223:B:LEU:HD23	20	0.75
(1,2264)	1:263:B:SER:H	1:262:A:LEU:HD11	7	0.75
(1,2264)	1:263:B:SER:H	1:262:A:LEU:HD12	10	0.75
(1,2232)	1:216:B:LEU:HD13	1:220:A:ILE:HA	17	0.75
(1,2120)	1:219:B:LYS:HE2	1:216:A:LEU:HD22	20	0.75
(1,1577)	1:216:A:LEU:HD21	1:213:B:ASN:HA	12	0.75
(1,1534)	1:223:B:LEU:HD23	1:231:A:GLN:H	14	0.75
(1,1513)	1:230:A:LEU:HD23	1:227:B:ALA:HB2	10	0.75
(1,1513)	1:230:A:LEU:HD21	1:227:B:ALA:HB3	20	0.75
(1,1422)	1:258:B:LEU:HD23	1:255:A:PHE:HB2	18	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1422)	1:258:B:LEU:HD22	1:255:A:PHE:HB2	20	0.75
(1,1296)	1:262:B:LEU:HD22	1:265:A:ALA:H	17	0.75
(1,1232)	1:220:B:ILE:HG22	1:220:B:ILE:HG13	6	0.75
(1,1232)	1:220:B:ILE:HG23	1:220:A:ILE:HG12	12	0.75
(1,1231)	1:220:A:ILE:HG22	1:220:B:ILE:HG12	18	0.75
(1,1180)	1:245:B:THR:HG22	1:244:B:ILE:HG22	20	0.75
(1,1179)	1:245:A:THR:HG22	1:244:A:ILE:HG22	20	0.75
(1,544)	1:251:B:MET:HE1	1:255:A:PHE:HB2	4	0.75
(1,534)	1:251:B:MET:HE2	1:254:A:ASN:H	13	0.75
(1,534)	1:251:B:MET:HE2	1:256:A:GLU:H	16	0.75
(1,332)	1:227:B:ALA:HB2	1:227:A:ALA:HA	16	0.75
(1,206)	1:258:B:LEU:HD12	1:260:A:THR:HG23	14	0.75
(1,205)	1:258:A:LEU:HD11	1:257:B:THR:HG21	3	0.75
(3,1974)	1:225:B:VAL:HG11	1:224:B:GLU:HG2	11	0.74
(3,1973)	1:225:A:VAL:HG11	1:224:A:GLU:HG2	11	0.74
(3,1972)	1:225:B:VAL:HG21	1:229:B:ARG:HG3	19	0.74
(3,1894)	1:222:B:SER:HB2	1:219:B:LYS:HG2	6	0.74
(3,1893)	1:222:A:SER:HB2	1:219:A:LYS:HG2	6	0.74
(3,1074)	1:249:B:VAL:HB	1:253:B:ASP:HB3	6	0.74
(3,1073)	1:249:A:VAL:HB	1:253:A:ASP:HB3	2	0.74
(3,888)	1:266:B:GLN:HG3	1:266:B:GLN:H	10	0.74
(3,516)	1:247:B:ASP:HB2	1:251:B:MET:HE1	14	0.74
(3,326)	1:227:B:ALA:HB2	1:223:A:LEU:HD23	20	0.74
(1,2264)	1:263:B:SER:H	1:262:A:LEU:HD12	14	0.74
(1,2263)	1:263:A:SER:H	1:262:B:LEU:HD12	10	0.74
(1,2263)	1:263:A:SER:H	1:262:B:LEU:HD11	13	0.74
(1,2263)	1:263:A:SER:H	1:262:B:LEU:HD12	14	0.74
(1,2231)	1:216:A:LEU:HD12	1:220:B:ILE:HA	3	0.74
(1,2231)	1:216:A:LEU:HD13	1:220:B:ILE:HA	17	0.74
(1,1578)	1:216:B:LEU:HD21	1:213:A:ASN:HA	5	0.74
(1,1577)	1:216:A:LEU:HD21	1:213:B:ASN:HA	5	0.74
(1,1554)	1:223:B:LEU:HD23	1:223:A:LEU:HB2	12	0.74
(1,1553)	1:223:A:LEU:HD23	1:223:B:LEU:HB2	12	0.74
(1,1533)	1:223:A:LEU:HD23	1:231:B:GLN:H	14	0.74
(1,1533)	1:223:A:LEU:HD21	1:231:B:GLN:H	16	0.74
(1,1429)	1:258:A:LEU:HD22	1:266:B:GLN:HG2	8	0.74
(1,1336)	1:269:B:LEU:HD13	1:268:A:LYS:HB2	8	0.74
(1,1335)	1:269:A:LEU:HD13	1:268:B:LYS:HB2	8	0.74
(1,1300)	1:258:B:LEU:HD12	1:255:A:PHE:HE2	16	0.74
(1,1299)	1:258:A:LEU:HD12	1:255:B:PHE:HE2	16	0.74
(1,1231)	1:220:A:ILE:HG23	1:220:B:ILE:HG12	12	0.74
(1,1022)	1:266:B:GLN:HG3	1:262:B:LEU:HD12	17	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1021)	1:266:A:GLN:HG3	1:262:A:LEU:HD13	7	0.74
(1,1021)	1:266:A:GLN:HG3	1:262:A:LEU:HD12	17	0.74
(1,534)	1:251:B:MET:HE3	1:254:A:ASN:H	19	0.74
(1,533)	1:251:A:MET:HE3	1:254:B:ASN:H	19	0.74
(1,332)	1:227:B:ALA:HB1	1:227:A:ALA:HA	18	0.74
(1,205)	1:258:A:LEU:HD12	1:260:B:THR:HG23	1	0.74
(1,37)	1:210:A:LEU:HD22	1:209:B:LEU:HB3	15	0.74
(3,2064)	1:275:B:ASN:HB3	1:275:B:ASN:H	6	0.73
(3,2063)	1:275:A:ASN:HB3	1:275:A:ASN:H	6	0.73
(3,1971)	1:225:A:VAL:HG21	1:229:A:ARG:HG3	19	0.73
(3,1894)	1:222:B:SER:HB2	1:219:B:LYS:HG2	14	0.73
(3,1602)	1:209:B:LEU:HD22	1:206:B:PHE:HA	12	0.73
(3,1601)	1:209:A:LEU:HD22	1:206:A:PHE:HA	12	0.73
(3,1512)	1:226:B:GLU:HG3	1:230:B:LEU:HD12	3	0.73
(3,1511)	1:226:A:GLU:HG3	1:230:A:LEU:HD12	3	0.73
(3,1356)	1:262:B:LEU:HB2	1:262:B:LEU:HA	16	0.73
(3,1356)	1:262:B:LEU:HB2	1:262:B:LEU:HA	17	0.73
(3,1356)	1:262:B:LEU:HB2	1:262:B:LEU:HA	19	0.73
(3,1355)	1:262:A:LEU:HB2	1:262:A:LEU:HA	16	0.73
(3,1355)	1:262:A:LEU:HB2	1:262:A:LEU:HA	17	0.73
(3,1355)	1:262:A:LEU:HB2	1:262:A:LEU:HA	19	0.73
(3,1168)	1:225:B:VAL:HG23	1:221:B:ASN:HD21	2	0.73
(3,1167)	1:225:A:VAL:HG23	1:221:A:ASN:HD21	2	0.73
(3,942)	1:265:B:ALA:HB3	1:266:B:GLN:HG3	5	0.73
(3,941)	1:265:A:ALA:HB3	1:266:A:GLN:HG3	5	0.73
(3,832)	1:265:B:ALA:HB3	1:262:B:LEU:HA	4	0.73
(3,832)	1:265:B:ALA:HB1	1:262:B:LEU:HA	5	0.73
(3,832)	1:265:B:ALA:HB3	1:262:B:LEU:HA	17	0.73
(3,832)	1:265:B:ALA:HB2	1:262:B:LEU:HA	19	0.73
(3,831)	1:265:A:ALA:HB3	1:262:A:LEU:HA	4	0.73
(3,831)	1:265:A:ALA:HB1	1:262:A:LEU:HA	5	0.73
(3,831)	1:265:A:ALA:HB3	1:262:A:LEU:HA	17	0.73
(3,831)	1:265:A:ALA:HB2	1:262:A:LEU:HA	19	0.73
(3,560)	1:257:B:THR:HG22	1:261:B:GLU:HG2	19	0.73
(3,559)	1:257:A:THR:HG22	1:261:A:GLU:HG2	19	0.73
(3,535)	1:251:A:MET:HB2	1:251:A:MET:HE2	4	0.73
(3,515)	1:247:A:ASP:HB2	1:251:A:MET:HE1	9	0.73
(3,326)	1:227:B:ALA:HB3	1:223:A:LEU:HD21	4	0.73
(3,326)	1:227:B:ALA:HB3	1:223:A:LEU:HD22	17	0.73
(3,325)	1:227:A:ALA:HB3	1:223:B:LEU:HD21	5	0.73
(3,325)	1:227:A:ALA:HB3	1:223:B:LEU:HD22	17	0.73
(1,2264)	1:263:B:SER:H	1:262:A:LEU:HD11	2	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2264)	1:263:B:SER:H	1:262:A:LEU:HD13	3	0.73
(1,2264)	1:263:B:SER:H	1:262:A:LEU:HD11	13	0.73
(1,2264)	1:263:B:SER:H	1:262:A:LEU:HD11	19	0.73
(1,2263)	1:263:A:SER:H	1:262:B:LEU:HD13	3	0.73
(1,2263)	1:263:A:SER:H	1:262:B:LEU:HD11	7	0.73
(1,2231)	1:216:A:LEU:HD13	1:220:B:ILE:HA	9	0.73
(1,2231)	1:216:A:LEU:HD11	1:220:B:ILE:HA	16	0.73
(1,2120)	1:219:B:LYS:HE2	1:216:A:LEU:HD22	15	0.73
(1,1900)	1:268:B:LYS:HE2	1:269:A:LEU:HD23	6	0.73
(1,1581)	1:216:A:LEU:HD21	1:217:B:GLN:HG2	4	0.73
(1,1579)	1:216:A:LEU:HD21	1:213:B:ASN:HB3	14	0.73
(1,1578)	1:216:B:LEU:HD23	1:213:B:ASN:HA	6	0.73
(1,1577)	1:216:A:LEU:HD23	1:213:A:ASN:HA	6	0.73
(1,1554)	1:223:B:LEU:HD22	1:223:A:LEU:HB2	19	0.73
(1,1534)	1:223:B:LEU:HD23	1:220:A:ILE:H	11	0.73
(1,1534)	1:223:B:LEU:HD21	1:231:A:GLN:H	12	0.73
(1,1534)	1:223:B:LEU:HD21	1:231:A:GLN:H	16	0.73
(1,1533)	1:223:A:LEU:HD23	1:220:B:ILE:H	11	0.73
(1,1533)	1:223:A:LEU:HD23	1:221:B:ASN:H	12	0.73
(1,1430)	1:258:B:LEU:HD22	1:266:A:GLN:HG2	8	0.73
(1,1421)	1:258:A:LEU:HD23	1:255:B:PHE:HB2	18	0.73
(1,1298)	1:216:B:LEU:HD11	1:213:A:ASN:HD21	3	0.73
(1,1022)	1:266:B:GLN:HG3	1:262:B:LEU:HD13	7	0.73
(1,534)	1:251:B:MET:HE1	1:254:A:ASN:H	20	0.73
(1,533)	1:251:A:MET:HE1	1:254:B:ASN:H	20	0.73
(1,352)	1:227:B:ALA:HB1	1:227:B:ALA:HA	4	0.73
(1,352)	1:227:B:ALA:HB3	1:227:B:ALA:HA	7	0.73
(1,352)	1:227:B:ALA:HB1	1:227:B:ALA:HA	9	0.73
(1,352)	1:227:B:ALA:HB2	1:227:B:ALA:HA	13	0.73
(1,351)	1:227:A:ALA:HB1	1:227:A:ALA:HA	5	0.73
(1,351)	1:227:A:ALA:HB2	1:227:A:ALA:HA	8	0.73
(1,351)	1:227:A:ALA:HB1	1:227:A:ALA:HA	9	0.73
(1,351)	1:227:A:ALA:HB2	1:227:A:ALA:HA	10	0.73
(1,351)	1:227:A:ALA:HB2	1:227:A:ALA:HA	13	0.73
(1,351)	1:227:A:ALA:HB3	1:227:A:ALA:HA	20	0.73
(3,1973)	1:225:A:VAL:HG12	1:224:A:GLU:HG2	6	0.72
(3,1512)	1:226:B:GLU:HG3	1:230:B:LEU:HD13	2	0.72
(3,1511)	1:226:A:GLU:HG3	1:230:A:LEU:HD13	2	0.72
(3,1391)	1:258:A:LEU:HD11	1:261:A:GLU:HG2	9	0.72
(3,1356)	1:262:B:LEU:HB2	1:262:B:LEU:HA	4	0.72
(3,1356)	1:262:B:LEU:HB2	1:262:B:LEU:HA	10	0.72
(3,1355)	1:262:A:LEU:HB2	1:262:A:LEU:HA	4	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,888)	1:266:B:GLN:HG3	1:266:B:GLN:H	9	0.72
(3,887)	1:266:A:GLN:HG3	1:266:A:GLN:H	9	0.72
(3,681)	1:212:A:GLU:HG3	1:211:A:ALA:HB2	12	0.72
(3,559)	1:257:A:THR:HG22	1:261:A:GLU:HG2	11	0.72
(3,536)	1:251:B:MET:HB2	1:251:B:MET:HE2	4	0.72
(3,516)	1:247:B:ASP:HB2	1:251:B:MET:HE1	1	0.72
(3,515)	1:247:A:ASP:HB2	1:251:A:MET:HE1	1	0.72
(3,326)	1:227:B:ALA:HB3	1:223:A:LEU:HD21	5	0.72
(3,326)	1:227:B:ALA:HB3	1:223:A:LEU:HD23	9	0.72
(3,325)	1:227:A:ALA:HB3	1:223:B:LEU:HD23	9	0.72
(1,2264)	1:263:B:SER:H	1:262:A:LEU:HD13	8	0.72
(1,2264)	1:263:B:SER:H	1:262:A:LEU:HD23	20	0.72
(1,2263)	1:263:A:SER:H	1:262:B:LEU:HD11	2	0.72
(1,2263)	1:263:A:SER:H	1:258:B:LEU:HD22	4	0.72
(1,2263)	1:263:A:SER:H	1:262:B:LEU:HD13	8	0.72
(1,2263)	1:263:A:SER:H	1:262:B:LEU:HD11	19	0.72
(1,2232)	1:216:B:LEU:HD12	1:220:A:ILE:HA	3	0.72
(1,2232)	1:216:B:LEU:HD13	1:220:A:ILE:HA	9	0.72
(1,2232)	1:216:B:LEU:HD11	1:220:A:ILE:HA	16	0.72
(1,2231)	1:216:A:LEU:HD12	1:220:B:ILE:HA	12	0.72
(1,1899)	1:268:A:LYS:HE2	1:269:B:LEU:HD23	6	0.72
(1,1868)	1:241:B:LEU:HD23	1:240:B:ARG:HG2	19	0.72
(1,1580)	1:216:B:LEU:HD21	1:213:A:ASN:HB3	14	0.72
(1,1578)	1:216:B:LEU:HD21	1:213:B:ASN:HA	7	0.72
(1,1577)	1:216:A:LEU:HD21	1:213:A:ASN:HA	7	0.72
(1,1554)	1:223:B:LEU:HD21	1:223:A:LEU:HB2	7	0.72
(1,1553)	1:223:A:LEU:HD22	1:223:B:LEU:HB2	19	0.72
(1,1514)	1:230:B:LEU:HD23	1:227:A:ALA:HB2	10	0.72
(1,1421)	1:258:A:LEU:HD22	1:255:B:PHE:HB2	20	0.72
(1,1366)	1:212:B:GLU:HB3	1:216:B:LEU:HD11	13	0.72
(1,1365)	1:212:A:GLU:HB3	1:216:A:LEU:HD11	13	0.72
(1,1295)	1:262:A:LEU:HD22	1:265:B:ALA:H	17	0.72
(1,1232)	1:220:B:ILE:HG22	1:220:A:ILE:HG12	20	0.72
(1,1231)	1:220:A:ILE:HG22	1:220:B:ILE:HG12	20	0.72
(1,966)	1:217:B:GLN:HG2	1:220:B:ILE:HA	2	0.72
(1,965)	1:217:A:GLN:HG2	1:220:A:ILE:HA	2	0.72
(1,843)	1:227:A:ALA:HA	1:226:A:GLU:HG3	7	0.72
(1,528)	1:251:B:MET:HE1	1:248:A:PHE:HD2	19	0.72
(1,354)	1:227:B:ALA:HA	1:230:B:LEU:HD22	16	0.72
(1,353)	1:227:A:ALA:HA	1:230:A:LEU:HD22	16	0.72
(1,352)	1:227:B:ALA:HB2	1:227:B:ALA:HA	1	0.72
(1,352)	1:227:B:ALA:HB3	1:227:B:ALA:HA	2	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,352)	1:227:B:ALA:HB1	1:227:B:ALA:HA	3	0.72
(1,352)	1:227:B:ALA:HB1	1:227:B:ALA:HA	5	0.72
(1,352)	1:227:B:ALA:HB2	1:227:B:ALA:HA	6	0.72
(1,352)	1:227:B:ALA:HB2	1:227:B:ALA:HA	8	0.72
(1,352)	1:227:B:ALA:HB1	1:227:B:ALA:HA	12	0.72
(1,352)	1:227:B:ALA:HB2	1:227:B:ALA:HA	14	0.72
(1,352)	1:227:B:ALA:HB2	1:227:B:ALA:HA	15	0.72
(1,352)	1:227:B:ALA:HB1	1:227:B:ALA:HA	17	0.72
(1,352)	1:227:B:ALA:HA	1:227:A:ALA:HB1	19	0.72
(1,352)	1:227:B:ALA:HB3	1:227:B:ALA:HA	20	0.72
(1,351)	1:227:A:ALA:HB2	1:227:A:ALA:HA	1	0.72
(1,351)	1:227:A:ALA:HB3	1:227:A:ALA:HA	2	0.72
(1,351)	1:227:A:ALA:HB1	1:227:A:ALA:HA	3	0.72
(1,351)	1:227:A:ALA:HB1	1:227:A:ALA:HA	4	0.72
(1,351)	1:227:A:ALA:HB2	1:227:A:ALA:HA	6	0.72
(1,351)	1:227:A:ALA:HB3	1:227:A:ALA:HA	7	0.72
(1,351)	1:227:A:ALA:HB1	1:227:A:ALA:HA	12	0.72
(1,351)	1:227:A:ALA:HB2	1:227:A:ALA:HA	14	0.72
(1,351)	1:227:A:ALA:HB2	1:227:A:ALA:HA	15	0.72
(1,351)	1:227:A:ALA:HB1	1:227:A:ALA:HA	17	0.72
(1,332)	1:227:B:ALA:HB2	1:227:A:ALA:HA	11	0.72
(1,201)	1:255:A:PHE:HZ	1:258:B:LEU:HB3	20	0.72
(1,136)	1:255:B:PHE:HE1	1:251:A:MET:HE1	18	0.72
(3,1974)	1:225:B:VAL:HG12	1:224:B:GLU:HG2	6	0.71
(3,1893)	1:222:A:SER:HB2	1:219:A:LYS:HG2	14	0.71
(3,1392)	1:258:B:LEU:HD11	1:261:B:GLU:HG2	9	0.71
(3,1356)	1:262:B:LEU:HB2	1:262:B:LEU:HA	5	0.71
(3,1356)	1:262:B:LEU:HB2	1:262:B:LEU:HA	9	0.71
(3,1355)	1:262:A:LEU:HB2	1:262:A:LEU:HA	5	0.71
(3,1355)	1:262:A:LEU:HB2	1:262:A:LEU:HA	10	0.71
(3,972)	1:238:B:GLN:HG3	1:233:A:PHE:HZ	2	0.71
(3,888)	1:266:B:GLN:HG3	1:266:B:GLN:H	17	0.71
(3,832)	1:265:B:ALA:HB1	1:262:B:LEU:HA	16	0.71
(3,831)	1:265:A:ALA:HB1	1:262:A:LEU:HA	16	0.71
(3,682)	1:212:B:GLU:HG3	1:211:B:ALA:HB3	12	0.71
(3,560)	1:257:B:THR:HG22	1:261:B:GLU:HG2	11	0.71
(3,516)	1:247:B:ASP:HB2	1:251:B:MET:HE3	12	0.71
(3,378)	1:234:B:ASN:HB2	1:233:A:PHE:HZ	11	0.71
(3,377)	1:234:A:ASN:HB2	1:233:B:PHE:HZ	11	0.71
(1,2284)	1:265:B:ALA:H	1:267:B:GLN:HG3	4	0.71
(1,2283)	1:265:A:ALA:H	1:267:A:GLN:HG3	4	0.71
(1,2283)	1:265:A:ALA:H	1:267:A:GLN:HG3	17	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2264)	1:263:B:SER:H	1:262:A:LEU:HD12	18	0.71
(1,2263)	1:263:A:SER:H	1:262:B:LEU:HD21	18	0.71
(1,2240)	1:244:B:ILE:HG21	1:251:A:MET:HB2	2	0.71
(1,2232)	1:216:B:LEU:HD12	1:220:A:ILE:HA	12	0.71
(1,2231)	1:216:A:LEU:HD12	1:220:B:ILE:HA	4	0.71
(1,2123)	1:225:A:VAL:HG13	1:222:A:SER:HB3	10	0.71
(1,2119)	1:219:A:LYS:HE2	1:216:B:LEU:HD22	15	0.71
(1,1867)	1:240:A:ARG:HG2	1:241:B:LEU:HD22	19	0.71
(1,1802)	1:243:B:ARG:HD3	1:239:B:GLU:HB3	16	0.71
(1,1801)	1:243:A:ARG:HD3	1:239:A:GLU:HB3	16	0.71
(1,1581)	1:216:A:LEU:HD21	1:217:B:GLN:HG2	14	0.71
(1,1578)	1:216:B:LEU:HD23	1:213:B:ASN:HA	18	0.71
(1,1577)	1:216:A:LEU:HD22	1:213:B:ASN:HA	17	0.71
(1,1577)	1:216:A:LEU:HD23	1:213:A:ASN:HA	18	0.71
(1,1554)	1:223:B:LEU:HD23	1:223:A:LEU:HB2	11	0.71
(1,1553)	1:223:A:LEU:HD23	1:223:B:LEU:HB2	17	0.71
(1,1438)	1:241:B:LEU:HD21	1:240:A:ARG:HB2	17	0.71
(1,1422)	1:258:B:LEU:HD21	1:255:A:PHE:HB2	3	0.71
(1,1232)	1:220:B:ILE:HG21	1:220:A:ILE:HG12	13	0.71
(1,1180)	1:245:B:THR:HG22	1:244:B:ILE:HG23	9	0.71
(1,1170)	1:225:B:VAL:HG23	1:228:B:LYS:HB2	9	0.71
(1,1169)	1:225:A:VAL:HG23	1:228:A:LYS:HB2	9	0.71
(1,1022)	1:266:B:GLN:HG3	1:262:B:LEU:HD13	11	0.71
(1,1021)	1:266:A:GLN:HG3	1:262:A:LEU:HD13	11	0.71
(1,966)	1:217:B:GLN:HG2	1:220:B:ILE:HA	3	0.71
(1,965)	1:217:A:GLN:HG2	1:220:A:ILE:HA	3	0.71
(1,844)	1:227:B:ALA:HA	1:226:B:GLU:HG3	7	0.71
(1,767)	1:256:A:GLU:HG2	1:252:A:LYS:HG3	1	0.71
(1,527)	1:251:A:MET:HE1	1:248:B:PHE:HD2	19	0.71
(1,414)	1:234:B:ASN:HA	1:237:A:VAL:HG11	17	0.71
(1,413)	1:234:A:ASN:HA	1:237:B:VAL:HG11	15	0.71
(1,413)	1:234:A:ASN:HA	1:237:B:VAL:HG11	17	0.71
(1,352)	1:227:B:ALA:HA	1:227:A:ALA:HB2	10	0.71
(1,331)	1:227:A:ALA:HB2	1:227:B:ALA:HA	11	0.71
(1,205)	1:258:A:LEU:HD11	1:257:B:THR:HG21	10	0.71
(1,38)	1:210:B:LEU:HD22	1:209:A:LEU:HB3	15	0.71
(3,1356)	1:262:B:LEU:HB2	1:262:B:LEU:HA	3	0.7
(3,1356)	1:262:B:LEU:HB2	1:262:B:LEU:HA	8	0.7
(3,1356)	1:262:B:LEU:HB2	1:262:B:LEU:HA	13	0.7
(3,1356)	1:262:B:LEU:HB2	1:262:B:LEU:HA	15	0.7
(3,1356)	1:262:B:LEU:HB2	1:262:B:LEU:HA	18	0.7
(3,1355)	1:262:A:LEU:HB2	1:262:A:LEU:HA	3	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1355)	1:262:A:LEU:HB2	1:262:A:LEU:HA	6	0.7
(3,1355)	1:262:A:LEU:HB2	1:262:A:LEU:HA	8	0.7
(3,1355)	1:262:A:LEU:HB2	1:262:A:LEU:HA	9	0.7
(3,1355)	1:262:A:LEU:HB2	1:262:A:LEU:HA	13	0.7
(3,1355)	1:262:A:LEU:HB2	1:262:A:LEU:HA	18	0.7
(3,887)	1:266:A:GLN:HG3	1:266:A:GLN:H	17	0.7
(3,860)	1:251:B:MET:HB3	1:248:B:PHE:HA	2	0.7
(3,859)	1:251:A:MET:HB3	1:248:A:PHE:HA	2	0.7
(3,515)	1:247:A:ASP:HB2	1:251:A:MET:HE3	12	0.7
(3,330)	1:227:B:ALA:HA	1:226:B:GLU:HG3	15	0.7
(3,329)	1:227:A:ALA:HA	1:226:A:GLU:HG3	15	0.7
(3,325)	1:227:A:ALA:HB3	1:223:B:LEU:HD21	4	0.7
(1,2284)	1:265:B:ALA:H	1:267:B:GLN:HG3	5	0.7
(1,2284)	1:265:B:ALA:H	1:267:B:GLN:HG3	17	0.7
(1,2232)	1:216:B:LEU:HD11	1:220:A:ILE:HA	5	0.7
(1,2124)	1:225:B:VAL:HG13	1:222:B:SER:HB3	10	0.7
(1,1802)	1:243:B:ARG:HD2	1:239:B:GLU:HB3	8	0.7
(1,1582)	1:216:B:LEU:HD21	1:217:A:GLN:HG2	14	0.7
(1,1554)	1:223:B:LEU:HD21	1:223:A:LEU:HB2	1	0.7
(1,1554)	1:223:B:LEU:HD22	1:223:A:LEU:HB2	4	0.7
(1,1554)	1:223:B:LEU:HD23	1:223:A:LEU:HB2	17	0.7
(1,1554)	1:223:B:LEU:HD21	1:223:A:LEU:HB2	20	0.7
(1,1553)	1:223:A:LEU:HD22	1:223:B:LEU:HB2	4	0.7
(1,1553)	1:223:A:LEU:HD21	1:223:B:LEU:HB2	10	0.7
(1,1553)	1:223:A:LEU:HD23	1:223:B:LEU:HB2	11	0.7
(1,1534)	1:223:B:LEU:HD23	1:231:A:GLN:H	10	0.7
(1,1420)	1:258:B:LEU:HD22	1:255:A:PHE:HD2	11	0.7
(1,1417)	1:258:A:LEU:HD21	1:255:B:PHE:HE1	5	0.7
(1,1330)	1:269:B:LEU:HD12	1:264:A:GLU:HG3	12	0.7
(1,1295)	1:262:A:LEU:HD23	1:265:B:ALA:H	15	0.7
(1,1231)	1:220:A:ILE:HG21	1:220:B:ILE:HG12	13	0.7
(1,1179)	1:245:A:THR:HG22	1:244:A:ILE:HG23	9	0.7
(1,1170)	1:225:B:VAL:HG22	1:228:B:LYS:HB2	14	0.7
(1,1169)	1:225:A:VAL:HG22	1:228:A:LYS:HB2	14	0.7
(1,768)	1:256:B:GLU:HG2	1:252:B:LYS:HG3	1	0.7
(1,543)	1:251:A:MET:HE3	1:255:B:PHE:HB2	19	0.7
(1,543)	1:251:A:MET:HE1	1:255:B:PHE:HB2	20	0.7
(1,533)	1:251:A:MET:HE1	1:256:B:GLU:H	4	0.7
(1,414)	1:234:B:ASN:HA	1:237:A:VAL:HG11	15	0.7
(1,351)	1:227:A:ALA:HA	1:227:B:ALA:HB1	19	0.7
(1,206)	1:258:B:LEU:HD11	1:257:A:THR:HG21	10	0.7
(1,135)	1:255:A:PHE:HE1	1:251:B:MET:HE1	18	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1356)	1:262:B:LEU:HB2	1:262:B:LEU:HA	1	0.69
(3,1356)	1:262:B:LEU:HB2	1:262:B:LEU:HA	2	0.69
(3,1356)	1:262:B:LEU:HB2	1:262:B:LEU:HA	6	0.69
(3,1356)	1:262:B:LEU:HB2	1:262:B:LEU:HA	7	0.69
(3,1356)	1:262:B:LEU:HB2	1:262:B:LEU:HA	14	0.69
(3,1355)	1:262:A:LEU:HB2	1:262:A:LEU:HA	1	0.69
(3,1355)	1:262:A:LEU:HB2	1:262:A:LEU:HA	2	0.69
(3,1355)	1:262:A:LEU:HB2	1:262:A:LEU:HA	7	0.69
(3,1355)	1:262:A:LEU:HB2	1:262:A:LEU:HA	14	0.69
(3,1355)	1:262:A:LEU:HB2	1:262:A:LEU:HA	15	0.69
(3,1323)	1:266:A:GLN:HG3	1:262:A:LEU:HD13	7	0.69
(3,1170)	1:225:B:VAL:HG11	1:221:B:ASN:HD21	17	0.69
(3,1169)	1:225:A:VAL:HG11	1:221:A:ASN:HD21	17	0.69
(3,1074)	1:249:B:VAL:HB	1:253:B:ASP:HB3	10	0.69
(3,888)	1:266:B:GLN:HG3	1:266:B:GLN:H	8	0.69
(3,887)	1:266:A:GLN:HG3	1:266:A:GLN:H	8	0.69
(3,377)	1:234:A:ASN:HB2	1:233:B:PHE:HZ	15	0.69
(1,2283)	1:265:A:ALA:H	1:267:A:GLN:HG3	5	0.69
(1,2278)	1:265:B:ALA:HA	1:265:B:ALA:H	1	0.69
(1,2277)	1:265:A:ALA:HA	1:265:A:ALA:H	1	0.69
(1,2264)	1:263:B:SER:H	1:262:A:LEU:HD12	1	0.69
(1,2264)	1:263:B:SER:H	1:262:A:LEU:HD12	5	0.69
(1,2264)	1:263:B:SER:H	1:262:A:LEU:HD11	9	0.69
(1,2263)	1:263:A:SER:H	1:262:B:LEU:HD11	9	0.69
(1,2263)	1:263:A:SER:H	1:262:B:LEU:HD12	15	0.69
(1,2239)	1:244:A:ILE:HG21	1:251:B:MET:HB2	2	0.69
(1,2231)	1:216:A:LEU:HD11	1:220:B:ILE:HA	5	0.69
(1,2231)	1:216:A:LEU:HD12	1:220:B:ILE:HA	7	0.69
(1,2086)	1:228:B:LYS:HE2	1:225:B:VAL:HG22	17	0.69
(1,2085)	1:228:A:LYS:HE2	1:225:A:VAL:HG22	17	0.69
(1,1960)	1:256:B:GLU:HG2	1:252:B:LYS:HE3	3	0.69
(1,1809)	1:243:A:ARG:HD2	1:245:A:THR:HG22	6	0.69
(1,1801)	1:243:A:ARG:HD2	1:239:A:GLU:HB3	8	0.69
(1,1582)	1:216:B:LEU:HD21	1:217:A:GLN:HG2	4	0.69
(1,1554)	1:223:B:LEU:HD22	1:223:A:LEU:HB2	5	0.69
(1,1554)	1:223:B:LEU:HD22	1:223:A:LEU:HB2	6	0.69
(1,1554)	1:223:B:LEU:HD21	1:223:A:LEU:HB2	10	0.69
(1,1554)	1:223:B:LEU:HD22	1:223:A:LEU:HB2	13	0.69
(1,1554)	1:223:B:LEU:HD22	1:223:A:LEU:HB2	18	0.69
(1,1553)	1:223:A:LEU:HD21	1:223:B:LEU:HB2	7	0.69
(1,1553)	1:223:A:LEU:HD23	1:223:B:LEU:HB2	8	0.69
(1,1553)	1:223:A:LEU:HD21	1:223:B:LEU:HB2	14	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1514)	1:230:B:LEU:HD21	1:227:A:ALA:HB1	12	0.69
(1,1430)	1:258:B:LEU:HD22	1:266:A:GLN:HG2	2	0.69
(1,1419)	1:258:A:LEU:HD22	1:255:B:PHE:HD2	11	0.69
(1,1418)	1:258:B:LEU:HD21	1:255:A:PHE:HE1	5	0.69
(1,1363)	1:214:A:GLU:HG2	1:210:A:LEU:HD11	5	0.69
(1,1329)	1:269:A:LEU:HD12	1:264:B:GLU:HG3	12	0.69
(1,1314)	1:269:B:LEU:HG	1:270:B:ARG:HE	18	0.69
(1,1296)	1:262:B:LEU:HD21	1:265:A:ALA:H	10	0.69
(1,970)	1:221:B:ASN:HB2	1:217:B:GLN:HG3	6	0.69
(1,544)	1:251:B:MET:HE2	1:255:A:PHE:HB2	10	0.69
(1,544)	1:251:B:MET:HE3	1:255:A:PHE:HB2	19	0.69
(1,534)	1:251:B:MET:HE1	1:256:A:GLU:H	4	0.69
(1,533)	1:251:A:MET:HE3	1:256:B:GLU:H	18	0.69
(1,524)	1:251:B:MET:HE2	1:248:B:PHE:HA	3	0.69
(1,523)	1:251:A:MET:HE2	1:248:A:PHE:HA	3	0.69
(1,354)	1:227:B:ALA:HA	1:230:B:LEU:HD21	19	0.69
(1,353)	1:227:A:ALA:HA	1:230:A:LEU:HD22	19	0.69
(1,352)	1:227:B:ALA:HA	1:227:A:ALA:HB2	16	0.69
(1,352)	1:227:B:ALA:HA	1:227:A:ALA:HB1	18	0.69
(1,201)	1:255:A:PHE:HZ	1:258:B:LEU:HB3	15	0.69
(3,2604)	1:271:B:ARG:HG3	1:271:B:ARG:H	19	0.68
(3,2603)	1:271:A:ARG:HG3	1:271:A:ARG:H	19	0.68
(3,1894)	1:222:B:SER:HB2	1:219:B:LYS:HG2	12	0.68
(3,1893)	1:222:A:SER:HB2	1:219:A:LYS:HG2	12	0.68
(3,1558)	1:223:B:LEU:HD23	1:224:A:GLU:HG3	18	0.68
(3,1557)	1:223:A:LEU:HD21	1:224:B:GLU:HG3	17	0.68
(3,1392)	1:258:B:LEU:HD13	1:261:B:GLU:HG2	10	0.68
(3,1391)	1:258:A:LEU:HD13	1:261:A:GLU:HG2	10	0.68
(3,1356)	1:262:B:LEU:HB2	1:262:B:LEU:HA	12	0.68
(3,1356)	1:262:B:LEU:HB2	1:262:B:LEU:HA	20	0.68
(3,1355)	1:262:A:LEU:HB2	1:262:A:LEU:HA	12	0.68
(3,1355)	1:262:A:LEU:HB2	1:262:A:LEU:HA	20	0.68
(3,1324)	1:266:B:GLN:HG3	1:262:B:LEU:HD12	17	0.68
(3,1323)	1:266:A:GLN:HG3	1:262:A:LEU:HD12	17	0.68
(3,1073)	1:249:A:VAL:HB	1:253:A:ASP:HB3	10	0.68
(3,860)	1:251:B:MET:HB3	1:248:B:PHE:HA	17	0.68
(3,859)	1:251:A:MET:HB3	1:248:A:PHE:HA	17	0.68
(3,326)	1:227:B:ALA:HB3	1:223:A:LEU:HD21	18	0.68
(1,2264)	1:263:B:SER:H	1:262:A:LEU:HD11	12	0.68
(1,2264)	1:263:B:SER:H	1:262:A:LEU:HD12	15	0.68
(1,2263)	1:263:A:SER:H	1:262:B:LEU:HD12	1	0.68
(1,2263)	1:263:A:SER:H	1:262:B:LEU:HD12	5	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2263)	1:263:A:SER:H	1:262:B:LEU:HD11	12	0.68
(1,2232)	1:216:B:LEU:HD12	1:220:A:ILE:HA	4	0.68
(1,1959)	1:256:A:GLU:HG2	1:252:A:LYS:HE3	3	0.68
(1,1900)	1:268:B:LYS:HE3	1:269:A:LEU:HD22	3	0.68
(1,1867)	1:240:A:ARG:HG2	1:241:B:LEU:HD23	8	0.68
(1,1802)	1:243:B:ARG:HD3	1:239:B:GLU:HB3	15	0.68
(1,1801)	1:243:A:ARG:HD3	1:239:A:GLU:HB3	15	0.68
(1,1578)	1:216:B:LEU:HD22	1:213:A:ASN:HA	17	0.68
(1,1554)	1:223:B:LEU:HD23	1:223:A:LEU:HB2	2	0.68
(1,1554)	1:223:B:LEU:HD23	1:223:A:LEU:HB2	3	0.68
(1,1554)	1:223:B:LEU:HD23	1:223:A:LEU:HB2	8	0.68
(1,1554)	1:223:B:LEU:HD21	1:223:A:LEU:HB2	9	0.68
(1,1554)	1:223:B:LEU:HD21	1:223:A:LEU:HB2	14	0.68
(1,1553)	1:223:A:LEU:HD21	1:223:B:LEU:HB2	1	0.68
(1,1553)	1:223:A:LEU:HD23	1:223:B:LEU:HB2	2	0.68
(1,1553)	1:223:A:LEU:HD22	1:223:B:LEU:HB2	5	0.68
(1,1553)	1:223:A:LEU:HD22	1:223:B:LEU:HB2	6	0.68
(1,1553)	1:223:A:LEU:HD21	1:223:B:LEU:HB2	9	0.68
(1,1553)	1:223:A:LEU:HD22	1:223:B:LEU:HB2	13	0.68
(1,1553)	1:223:A:LEU:HD22	1:223:B:LEU:HB2	16	0.68
(1,1553)	1:223:A:LEU:HD22	1:223:B:LEU:HB2	18	0.68
(1,1533)	1:223:A:LEU:HD23	1:231:B:GLN:H	10	0.68
(1,1513)	1:230:A:LEU:HD21	1:227:B:ALA:HB1	12	0.68
(1,1438)	1:240:B:ARG:HB2	1:241:B:LEU:HD21	15	0.68
(1,1422)	1:258:B:LEU:HD21	1:255:A:PHE:HB2	16	0.68
(1,1421)	1:258:A:LEU:HD21	1:255:B:PHE:HB2	3	0.68
(1,1421)	1:258:A:LEU:HD21	1:255:B:PHE:HB2	16	0.68
(1,1364)	1:214:B:GLU:HG2	1:210:B:LEU:HD11	5	0.68
(1,1313)	1:269:A:LEU:HG	1:270:A:ARG:HE	18	0.68
(1,1299)	1:258:A:LEU:HD13	1:255:B:PHE:HE1	17	0.68
(1,1297)	1:216:A:LEU:HD11	1:213:B:ASN:HD21	3	0.68
(1,1232)	1:220:B:ILE:HG21	1:220:A:ILE:HG12	16	0.68
(1,1180)	1:245:B:THR:HG23	1:244:B:ILE:HG21	7	0.68
(1,1179)	1:245:A:THR:HG23	1:244:A:ILE:HG21	7	0.68
(1,1171)	1:225:A:VAL:HG21	1:228:A:LYS:HD2	1	0.68
(1,969)	1:221:A:ASN:HB2	1:217:A:GLN:HG3	6	0.68
(1,624)	1:264:B:GLU:HG3	1:268:B:LYS:HG3	17	0.68
(1,623)	1:264:A:GLU:HG3	1:268:A:LYS:HG3	17	0.68
(1,543)	1:251:A:MET:HE3	1:255:B:PHE:HB2	15	0.68
(1,540)	1:247:B:ASP:HA	1:251:B:MET:HE2	3	0.68
(1,539)	1:247:A:ASP:HA	1:251:A:MET:HE2	3	0.68
(1,354)	1:227:B:ALA:HA	1:230:B:LEU:HD22	18	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,351)	1:227:A:ALA:HA	1:227:B:ALA:HB2	16	0.68
(1,252)	1:263:B:SER:HB3	1:258:A:LEU:HD22	17	0.68
(1,205)	1:258:A:LEU:HD12	1:257:B:THR:HG21	13	0.68
(1,202)	1:255:B:PHE:HZ	1:258:A:LEU:HB3	20	0.68
(3,2063)	1:275:A:ASN:HB3	1:275:A:ASN:H	13	0.67
(3,1324)	1:266:B:GLN:HG3	1:262:B:LEU:HD13	7	0.67
(3,1074)	1:249:B:VAL:HB	1:253:B:ASP:HB3	11	0.67
(3,1028)	1:225:B:VAL:HG12	1:228:B:LYS:H	19	0.67
(3,1027)	1:225:A:VAL:HG12	1:228:A:LYS:H	19	0.67
(3,942)	1:265:B:ALA:HB2	1:266:B:GLN:HG3	3	0.67
(3,941)	1:265:A:ALA:HB2	1:266:A:GLN:HG3	3	0.67
(3,378)	1:234:B:ASN:HB2	1:233:A:PHE:HZ	15	0.67
(3,326)	1:227:B:ALA:HB3	1:223:A:LEU:HD22	12	0.67
(3,325)	1:227:A:ALA:HB3	1:223:B:LEU:HD22	12	0.67
(1,2285)	1:227:A:ALA:H	1:227:B:ALA:HB2	16	0.67
(1,2284)	1:265:B:ALA:H	1:267:B:GLN:HG3	2	0.67
(1,2283)	1:265:A:ALA:H	1:267:A:GLN:HG3	2	0.67
(1,2278)	1:265:B:ALA:HA	1:265:B:ALA:H	16	0.67
(1,2277)	1:265:A:ALA:HA	1:265:A:ALA:H	16	0.67
(1,2264)	1:263:B:SER:H	1:262:A:LEU:HD13	6	0.67
(1,2263)	1:263:A:SER:H	1:262:B:LEU:HD23	20	0.67
(1,2232)	1:216:B:LEU:HD12	1:220:A:ILE:HA	19	0.67
(1,2231)	1:216:A:LEU:HD11	1:220:B:ILE:HA	1	0.67
(1,2231)	1:216:A:LEU:HD12	1:220:B:ILE:HA	19	0.67
(1,1868)	1:240:B:ARG:HG2	1:241:A:LEU:HD21	4	0.67
(1,1868)	1:240:B:ARG:HG2	1:241:A:LEU:HD23	8	0.67
(1,1868)	1:240:B:ARG:HG2	1:241:A:LEU:HD22	12	0.67
(1,1868)	1:244:B:ILE:HD12	1:240:B:ARG:HG2	14	0.67
(1,1868)	1:240:B:ARG:HG2	1:241:A:LEU:HD23	15	0.67
(1,1868)	1:240:B:ARG:HG2	1:241:A:LEU:HD23	16	0.67
(1,1867)	1:240:A:ARG:HG2	1:241:B:LEU:HD21	4	0.67
(1,1867)	1:240:A:ARG:HG2	1:241:B:LEU:HD22	12	0.67
(1,1867)	1:244:A:ILE:HD12	1:240:A:ARG:HG2	14	0.67
(1,1867)	1:241:A:LEU:HD21	1:240:A:ARG:HG2	16	0.67
(1,1810)	1:243:B:ARG:HD2	1:245:B:THR:HG22	6	0.67
(1,1650)	1:267:B:GLN:HB3	1:271:B:ARG:HG3	14	0.67
(1,1649)	1:267:A:GLN:HB3	1:271:A:ARG:HG3	12	0.67
(1,1649)	1:267:A:GLN:HB3	1:271:A:ARG:HG3	14	0.67
(1,1577)	1:216:A:LEU:HD22	1:213:B:ASN:HA	9	0.67
(1,1554)	1:223:B:LEU:HD22	1:223:A:LEU:HB2	15	0.67
(1,1554)	1:223:B:LEU:HD22	1:223:A:LEU:HB2	16	0.67
(1,1553)	1:223:A:LEU:HD23	1:223:B:LEU:HB2	3	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1553)	1:223:A:LEU:HD21	1:223:B:LEU:HB2	20	0.67
(1,1437)	1:241:A:LEU:HD23	1:240:B:ARG:HB2	7	0.67
(1,1437)	1:240:A:ARG:HB2	1:241:A:LEU:HD21	15	0.67
(1,1437)	1:241:A:LEU:HD21	1:240:B:ARG:HB2	17	0.67
(1,1429)	1:258:A:LEU:HD22	1:266:B:GLN:HG2	2	0.67
(1,1429)	1:258:A:LEU:HD21	1:266:B:GLN:HG2	13	0.67
(1,1338)	1:216:B:LEU:HD11	1:219:B:LYS:HE2	12	0.67
(1,1337)	1:216:A:LEU:HD11	1:219:A:LYS:HE2	12	0.67
(1,1296)	1:262:B:LEU:HD23	1:265:A:ALA:H	15	0.67
(1,1295)	1:262:A:LEU:HD21	1:265:B:ALA:H	1	0.67
(1,1180)	1:245:B:THR:HG21	1:244:B:ILE:HG23	6	0.67
(1,1179)	1:245:A:THR:HG21	1:244:A:ILE:HG23	6	0.67
(1,1172)	1:225:B:VAL:HG21	1:228:B:LYS:HD2	1	0.67
(1,1110)	1:225:B:VAL:HG11	1:228:B:LYS:HB2	11	0.67
(1,1109)	1:225:A:VAL:HG11	1:228:A:LYS:HB2	11	0.67
(1,713)	1:212:A:GLU:HG3	1:208:A:ARG:HG3	20	0.67
(1,544)	1:251:B:MET:HE3	1:255:A:PHE:HB2	15	0.67
(1,544)	1:251:B:MET:HE1	1:255:A:PHE:HB2	20	0.67
(1,543)	1:251:A:MET:HE2	1:255:B:PHE:HB2	10	0.67
(1,354)	1:227:B:ALA:HA	1:230:B:LEU:HD21	5	0.67
(1,354)	1:227:B:ALA:HA	1:230:B:LEU:HD23	10	0.67
(1,353)	1:227:A:ALA:HA	1:230:A:LEU:HD21	5	0.67
(1,353)	1:227:A:ALA:HA	1:230:A:LEU:HD23	10	0.67
(1,353)	1:227:A:ALA:HA	1:230:A:LEU:HD22	18	0.67
(1,351)	1:227:A:ALA:HA	1:227:B:ALA:HB1	18	0.67
(1,206)	1:258:B:LEU:HD12	1:257:A:THR:HG21	13	0.67
(1,202)	1:255:B:PHE:HZ	1:258:A:LEU:HB3	15	0.67
(3,2064)	1:275:B:ASN:HB3	1:275:B:ASN:H	13	0.66
(3,1558)	1:223:B:LEU:HD21	1:224:A:GLU:HG3	17	0.66
(3,1557)	1:223:A:LEU:HD23	1:224:B:GLU:HG3	18	0.66
(3,1272)	1:217:B:GLN:HA	1:220:B:ILE:HG22	7	0.66
(3,1271)	1:217:A:GLN:HA	1:220:A:ILE:HG22	7	0.66
(3,1167)	1:225:A:VAL:HG23	1:221:A:ASN:HD21	17	0.66
(3,888)	1:266:B:GLN:HG3	1:266:B:GLN:H	15	0.66
(3,887)	1:266:A:GLN:HG3	1:266:A:GLN:H	15	0.66
(3,330)	1:227:B:ALA:HA	1:226:B:GLU:HG3	10	0.66
(3,329)	1:227:A:ALA:HA	1:226:A:GLU:HG3	10	0.66
(3,325)	1:227:A:ALA:HB3	1:223:B:LEU:HD21	18	0.66
(1,2286)	1:227:B:ALA:H	1:227:A:ALA:HB2	16	0.66
(1,2284)	1:265:B:ALA:H	1:267:B:GLN:HG3	13	0.66
(1,2278)	1:265:B:ALA:HA	1:265:B:ALA:H	4	0.66
(1,2278)	1:265:B:ALA:HA	1:265:B:ALA:H	7	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2278)	1:265:B:ALA:HA	1:265:B:ALA:H	15	0.66
(1,2277)	1:265:A:ALA:HA	1:265:A:ALA:H	4	0.66
(1,2277)	1:265:A:ALA:HA	1:265:A:ALA:H	7	0.66
(1,2277)	1:265:A:ALA:HA	1:265:A:ALA:H	15	0.66
(1,2263)	1:263:A:SER:H	1:262:B:LEU:HD13	6	0.66
(1,2232)	1:216:B:LEU:HD11	1:220:A:ILE:HA	1	0.66
(1,2232)	1:216:B:LEU:HD12	1:220:A:ILE:HA	7	0.66
(1,1900)	1:268:B:LYS:HE3	1:269:A:LEU:HD23	1	0.66
(1,1794)	1:246:B:ASP:HB3	1:243:B:ARG:HD3	20	0.66
(1,1650)	1:267:B:GLN:HB3	1:271:B:ARG:HG3	12	0.66
(1,1578)	1:216:B:LEU:HD22	1:213:A:ASN:HA	9	0.66
(1,1553)	1:223:A:LEU:HD22	1:223:B:LEU:HB2	15	0.66
(1,1437)	1:240:A:ARG:HB2	1:241:A:LEU:HD22	6	0.66
(1,1430)	1:258:B:LEU:HD21	1:266:A:GLN:HG2	13	0.66
(1,1231)	1:220:A:ILE:HG21	1:220:B:ILE:HG12	16	0.66
(1,1180)	1:245:B:THR:HG22	1:244:B:ILE:HG21	13	0.66
(1,1179)	1:245:A:THR:HG22	1:244:A:ILE:HG21	13	0.66
(1,966)	1:217:B:GLN:HG2	1:220:B:ILE:HA	5	0.66
(1,965)	1:217:A:GLN:HG2	1:220:A:ILE:HA	5	0.66
(1,876)	1:223:B:LEU:HA	1:228:B:LYS:HG3	13	0.66
(1,875)	1:223:A:LEU:HA	1:228:A:LYS:HG3	13	0.66
(1,714)	1:212:B:GLU:HG3	1:208:B:ARG:HG3	20	0.66
(1,544)	1:251:B:MET:HE3	1:255:A:PHE:HB2	14	0.66
(1,543)	1:251:A:MET:HE2	1:255:B:PHE:HB2	13	0.66
(1,534)	1:251:B:MET:HE3	1:256:A:GLU:H	18	0.66
(1,413)	1:234:A:ASN:HA	1:237:B:VAL:HG12	1	0.66
(1,354)	1:227:B:ALA:HA	1:230:B:LEU:HD23	17	0.66
(1,353)	1:227:A:ALA:HA	1:230:A:LEU:HD23	17	0.66
(1,251)	1:263:A:SER:HB3	1:258:B:LEU:HD22	17	0.66
(1,206)	1:258:B:LEU:HD11	1:260:A:THR:HG21	18	0.66
(3,2064)	1:275:B:ASN:HB3	1:275:B:ASN:H	11	0.65
(3,2063)	1:275:A:ASN:HB3	1:275:A:ASN:H	11	0.65
(3,1324)	1:266:B:GLN:HG3	1:262:B:LEU:HD13	11	0.65
(3,1323)	1:266:A:GLN:HG3	1:262:A:LEU:HD13	11	0.65
(3,516)	1:247:B:ASP:HB2	1:251:B:MET:HE2	20	0.65
(3,515)	1:247:A:ASP:HB2	1:251:A:MET:HE2	20	0.65
(3,325)	1:227:A:ALA:HB1	1:223:B:LEU:HD21	6	0.65
(1,2284)	1:265:B:ALA:H	1:267:B:GLN:HG3	11	0.65
(1,2283)	1:265:A:ALA:H	1:267:A:GLN:HG3	11	0.65
(1,2283)	1:265:A:ALA:H	1:267:A:GLN:HG3	13	0.65
(1,2278)	1:265:B:ALA:HA	1:265:B:ALA:H	5	0.65
(1,2278)	1:265:B:ALA:HA	1:265:B:ALA:H	20	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2277)	1:265:A:ALA:HA	1:265:A:ALA:H	5	0.65
(1,2277)	1:265:A:ALA:HA	1:265:A:ALA:H	20	0.65
(1,2232)	1:216:B:LEU:HD12	1:220:A:ILE:HA	10	0.65
(1,2086)	1:228:B:LYS:HE2	1:225:B:VAL:HG23	10	0.65
(1,2085)	1:228:A:LYS:HE2	1:225:A:VAL:HG23	10	0.65
(1,1960)	1:256:B:GLU:HG3	1:252:B:LYS:HE3	8	0.65
(1,1959)	1:252:A:LYS:HE2	1:247:B:ASP:HB2	11	0.65
(1,1899)	1:268:A:LYS:HE3	1:269:B:LEU:HD22	3	0.65
(1,1867)	1:240:A:ARG:HG2	1:241:B:LEU:HD23	15	0.65
(1,1795)	1:246:A:ASP:HB2	1:243:A:ARG:HD3	17	0.65
(1,1793)	1:246:A:ASP:HB3	1:243:A:ARG:HD3	20	0.65
(1,1437)	1:240:A:ARG:HB2	1:241:A:LEU:HD21	2	0.65
(1,1364)	1:216:B:LEU:HD13	1:217:A:GLN:HG3	1	0.65
(1,1300)	1:258:B:LEU:HD13	1:255:A:PHE:HE1	17	0.65
(1,1296)	1:262:B:LEU:HD21	1:265:A:ALA:H	1	0.65
(1,1296)	1:262:B:LEU:HD21	1:265:A:ALA:H	5	0.65
(1,1295)	1:262:A:LEU:HD21	1:265:B:ALA:H	5	0.65
(1,1295)	1:262:A:LEU:HD21	1:265:B:ALA:H	7	0.65
(1,1295)	1:262:A:LEU:HD21	1:265:B:ALA:H	10	0.65
(1,1179)	1:245:A:THR:HG21	1:244:A:ILE:HG22	11	0.65
(1,1168)	1:221:B:ASN:HB2	1:225:B:VAL:HG23	11	0.65
(1,1167)	1:221:A:ASN:HB2	1:225:A:VAL:HG23	11	0.65
(1,1110)	1:225:B:VAL:HG13	1:228:B:LYS:HB2	5	0.65
(1,1109)	1:225:A:VAL:HG13	1:228:A:LYS:HB2	5	0.65
(1,969)	1:221:A:ASN:HB2	1:217:A:GLN:HG2	12	0.65
(1,543)	1:251:A:MET:HE3	1:255:B:PHE:HB2	1	0.65
(1,414)	1:234:B:ASN:HA	1:237:A:VAL:HG12	1	0.65
(1,354)	1:227:B:ALA:HA	1:230:B:LEU:HD22	1	0.65
(1,354)	1:227:B:ALA:HA	1:230:B:LEU:HD21	6	0.65
(1,353)	1:227:A:ALA:HA	1:230:A:LEU:HD21	6	0.65
(1,351)	1:227:A:ALA:HA	1:227:B:ALA:HB2	11	0.65
(1,205)	1:258:A:LEU:HD11	1:260:B:THR:HG21	18	0.65
(3,1647)	1:243:A:ARG:HG2	1:242:A:ASP:HB3	7	0.64
(3,1168)	1:225:B:VAL:HG23	1:221:B:ASN:HD21	17	0.64
(3,1073)	1:249:A:VAL:HB	1:253:A:ASP:HB3	11	0.64
(3,938)	1:267:B:GLN:HA	1:267:B:GLN:HG2	3	0.64
(3,937)	1:267:A:GLN:HA	1:267:A:GLN:HG2	3	0.64
(3,888)	1:266:B:GLN:HG3	1:266:B:GLN:H	19	0.64
(3,887)	1:266:A:GLN:HG3	1:266:A:GLN:H	19	0.64
(3,326)	1:227:B:ALA:HB1	1:223:A:LEU:HD21	6	0.64
(1,2278)	1:265:B:ALA:HA	1:265:B:ALA:H	13	0.64
(1,2278)	1:265:B:ALA:HA	1:265:B:ALA:H	19	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2277)	1:265:A:ALA:HA	1:265:A:ALA:H	13	0.64
(1,2277)	1:265:A:ALA:HA	1:265:A:ALA:H	19	0.64
(1,2231)	1:216:A:LEU:HD11	1:220:B:ILE:HA	18	0.64
(1,2124)	1:225:B:VAL:HG12	1:222:B:SER:HB3	20	0.64
(1,1959)	1:256:A:GLU:HG3	1:252:A:LYS:HE3	8	0.64
(1,1810)	1:243:B:ARG:HD2	1:245:B:THR:HG21	18	0.64
(1,1801)	1:243:A:ARG:HD3	1:239:A:GLU:HB3	3	0.64
(1,1796)	1:246:B:ASP:HB2	1:243:B:ARG:HD3	17	0.64
(1,1735)	1:259:A:ARG:HD2	1:260:A:THR:HG22	1	0.64
(1,1578)	1:216:B:LEU:HD22	1:213:A:ASN:HA	1	0.64
(1,1548)	1:223:B:LEU:HD13	1:220:A:ILE:HG12	1	0.64
(1,1548)	1:223:B:LEU:HD13	1:220:A:ILE:HG12	13	0.64
(1,1438)	1:240:B:ARG:HB2	1:241:B:LEU:HD21	2	0.64
(1,1438)	1:240:B:ARG:HB2	1:241:B:LEU:HD22	6	0.64
(1,1429)	1:258:A:LEU:HD22	1:266:B:GLN:HG2	5	0.64
(1,1429)	1:258:A:LEU:HD21	1:266:B:GLN:HG2	19	0.64
(1,1326)	1:269:B:LEU:HG	1:269:B:LEU:HD21	7	0.64
(1,1326)	1:269:B:LEU:HG	1:269:B:LEU:HD22	11	0.64
(1,1326)	1:269:B:LEU:HG	1:269:B:LEU:HD21	18	0.64
(1,1325)	1:269:A:LEU:HG	1:269:A:LEU:HD21	7	0.64
(1,1325)	1:269:A:LEU:HG	1:269:A:LEU:HD22	11	0.64
(1,1325)	1:269:A:LEU:HG	1:269:A:LEU:HD21	18	0.64
(1,1180)	1:245:B:THR:HG21	1:244:B:ILE:HG22	11	0.64
(1,1026)	1:218:B:GLN:HG2	1:215:B:SER:H	4	0.64
(1,1025)	1:218:A:GLN:HG2	1:215:A:SER:H	4	0.64
(1,1021)	1:266:A:GLN:HG3	1:262:A:LEU:HD13	19	0.64
(1,624)	1:264:B:GLU:HG3	1:268:B:LYS:HG3	20	0.64
(1,623)	1:264:A:GLU:HG3	1:268:A:LYS:HG3	20	0.64
(1,544)	1:251:B:MET:HE3	1:255:A:PHE:HB2	1	0.64
(1,544)	1:251:B:MET:HE2	1:255:A:PHE:HB2	13	0.64
(1,543)	1:251:A:MET:HE3	1:255:B:PHE:HB2	14	0.64
(1,354)	1:227:B:ALA:HA	1:230:B:LEU:HD22	9	0.64
(1,353)	1:227:A:ALA:HA	1:230:A:LEU:HD22	1	0.64
(1,353)	1:227:A:ALA:HA	1:230:A:LEU:HD22	9	0.64
(1,352)	1:227:B:ALA:HA	1:227:A:ALA:HB2	11	0.64
(1,274)	1:215:B:SER:HB2	1:219:B:LYS:HE2	2	0.64
(1,273)	1:215:A:SER:HB2	1:219:A:LYS:HE2	2	0.64
(1,202)	1:255:B:PHE:HZ	1:251:A:MET:HE2	7	0.64
(3,2064)	1:275:B:ASN:HB3	1:275:B:ASN:H	10	0.63
(3,2063)	1:275:A:ASN:HB3	1:275:A:ASN:H	10	0.63
(3,1894)	1:222:B:SER:HB2	1:219:B:LYS:HG2	17	0.63
(3,1601)	1:209:A:LEU:HD22	1:206:A:PHE:HA	1	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1168)	1:225:B:VAL:HG21	1:221:B:ASN:HD21	13	0.63
(3,325)	1:227:A:ALA:HB1	1:223:B:LEU:HD23	10	0.63
(3,46)	1:236:B:TYR:HE2	1:240:B:ARG:HD3	15	0.63
(3,45)	1:236:A:TYR:HE2	1:240:A:ARG:HD3	15	0.63
(1,2286)	1:227:B:ALA:HB3	1:227:B:ALA:H	18	0.63
(1,2285)	1:227:A:ALA:HB1	1:227:A:ALA:H	10	0.63
(1,2285)	1:227:A:ALA:HB3	1:227:A:ALA:H	18	0.63
(1,2284)	1:265:B:ALA:H	1:267:B:GLN:HG3	18	0.63
(1,2283)	1:265:A:ALA:H	1:267:A:GLN:HG3	18	0.63
(1,2278)	1:265:B:ALA:HA	1:265:B:ALA:H	2	0.63
(1,2278)	1:265:B:ALA:HA	1:265:B:ALA:H	6	0.63
(1,2278)	1:265:B:ALA:HA	1:265:B:ALA:H	17	0.63
(1,2278)	1:265:B:ALA:HA	1:265:B:ALA:H	18	0.63
(1,2277)	1:265:A:ALA:HA	1:265:A:ALA:H	2	0.63
(1,2277)	1:265:A:ALA:HA	1:265:A:ALA:H	6	0.63
(1,2277)	1:265:A:ALA:HA	1:265:A:ALA:H	17	0.63
(1,2277)	1:265:A:ALA:HA	1:265:A:ALA:H	18	0.63
(1,1960)	1:252:B:LYS:HE2	1:247:A:ASP:HB2	11	0.63
(1,1810)	1:243:B:ARG:HD3	1:245:B:THR:HG23	15	0.63
(1,1809)	1:243:A:ARG:HD3	1:245:A:THR:HG23	15	0.63
(1,1809)	1:243:A:ARG:HD2	1:245:A:THR:HG21	18	0.63
(1,1802)	1:243:B:ARG:HD3	1:239:B:GLU:HB3	3	0.63
(1,1794)	1:246:B:ASP:HB3	1:243:B:ARG:HD2	16	0.63
(1,1793)	1:246:A:ASP:HB3	1:243:A:ARG:HD2	16	0.63
(1,1760)	1:259:B:ARG:HG2	1:257:B:THR:HG21	4	0.63
(1,1759)	1:259:A:ARG:HG2	1:257:A:THR:HG21	4	0.63
(1,1736)	1:259:B:ARG:HD2	1:260:B:THR:HG22	1	0.63
(1,1736)	1:259:B:ARG:HD2	1:260:B:THR:HG21	8	0.63
(1,1735)	1:259:A:ARG:HD2	1:260:A:THR:HG21	8	0.63
(1,1534)	1:223:B:LEU:HD22	1:231:A:GLN:H	8	0.63
(1,1533)	1:223:A:LEU:HD22	1:231:B:GLN:H	8	0.63
(1,1533)	1:223:A:LEU:HD21	1:231:B:GLN:H	18	0.63
(1,1430)	1:258:B:LEU:HD22	1:266:A:GLN:HG2	5	0.63
(1,1422)	1:258:B:LEU:HD21	1:255:A:PHE:HB2	12	0.63
(1,1421)	1:258:A:LEU:HD21	1:255:B:PHE:HB2	12	0.63
(1,1421)	1:258:A:LEU:HD23	1:255:B:PHE:HB2	14	0.63
(1,1355)	1:269:A:LEU:HD12	1:268:B:LYS:HE3	1	0.63
(1,1326)	1:269:B:LEU:HG	1:269:B:LEU:HD23	13	0.63
(1,1326)	1:269:B:LEU:HG	1:269:B:LEU:HD23	14	0.63
(1,1326)	1:269:B:LEU:HG	1:269:B:LEU:HD21	17	0.63
(1,1326)	1:269:B:LEU:HG	1:269:B:LEU:HD23	20	0.63
(1,1325)	1:269:A:LEU:HG	1:269:A:LEU:HD21	1	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1325)	1:269:A:LEU:HG	1:269:A:LEU:HD22	12	0.63
(1,1325)	1:269:A:LEU:HG	1:269:A:LEU:HD23	14	0.63
(1,1325)	1:269:A:LEU:HG	1:269:A:LEU:HD21	17	0.63
(1,1325)	1:269:A:LEU:HG	1:269:A:LEU:HD23	20	0.63
(1,1168)	1:221:B:ASN:HB2	1:225:B:VAL:HG23	2	0.63
(1,1168)	1:221:B:ASN:HB3	1:225:B:VAL:HG21	3	0.63
(1,1168)	1:221:B:ASN:HB3	1:225:B:VAL:HG21	13	0.63
(1,1168)	1:221:B:ASN:HB2	1:225:B:VAL:HG23	16	0.63
(1,1167)	1:221:A:ASN:HB2	1:225:A:VAL:HG23	2	0.63
(1,1167)	1:221:A:ASN:HB3	1:225:A:VAL:HG21	3	0.63
(1,1167)	1:221:A:ASN:HB2	1:225:A:VAL:HG23	16	0.63
(1,1022)	1:266:B:GLN:HG3	1:262:B:LEU:HD13	19	0.63
(1,970)	1:221:B:ASN:HB2	1:217:B:GLN:HG2	12	0.63
(1,966)	1:217:B:GLN:HG2	1:220:B:ILE:HA	7	0.63
(1,965)	1:217:A:GLN:HG2	1:220:A:ILE:HA	7	0.63
(1,544)	1:251:B:MET:HE2	1:255:A:PHE:HB2	12	0.63
(1,543)	1:251:A:MET:HE2	1:255:B:PHE:HB2	12	0.63
(1,523)	1:251:A:MET:HE3	1:248:B:PHE:HA	9	0.63
(1,354)	1:227:B:ALA:HA	1:230:B:LEU:HD21	20	0.63
(1,353)	1:227:A:ALA:HA	1:230:A:LEU:HD23	11	0.63
(1,205)	1:258:A:LEU:HD12	1:257:B:THR:HG23	17	0.63
(3,1974)	1:225:B:VAL:HG11	1:224:B:GLU:HG2	7	0.62
(3,1973)	1:225:A:VAL:HG11	1:224:A:GLU:HG2	7	0.62
(3,1893)	1:222:A:SER:HB2	1:219:A:LYS:HG2	17	0.62
(3,1602)	1:209:B:LEU:HD22	1:206:B:PHE:HA	1	0.62
(3,1272)	1:217:B:GLN:HA	1:220:B:ILE:HG21	18	0.62
(3,1271)	1:217:A:GLN:HA	1:220:A:ILE:HG21	18	0.62
(1,2286)	1:227:B:ALA:HB1	1:227:B:ALA:H	1	0.62
(1,2286)	1:227:B:ALA:HB1	1:227:B:ALA:H	10	0.62
(1,2286)	1:227:B:ALA:H	1:227:A:ALA:HB2	11	0.62
(1,2285)	1:227:A:ALA:HB1	1:227:A:ALA:H	1	0.62
(1,2278)	1:265:B:ALA:HA	1:265:B:ALA:H	3	0.62
(1,2278)	1:265:B:ALA:HA	1:265:B:ALA:H	8	0.62
(1,2278)	1:265:B:ALA:HA	1:265:B:ALA:H	9	0.62
(1,2278)	1:265:B:ALA:HA	1:265:B:ALA:H	10	0.62
(1,2278)	1:265:B:ALA:HA	1:265:B:ALA:H	11	0.62
(1,2278)	1:265:B:ALA:HA	1:265:B:ALA:H	12	0.62
(1,2278)	1:265:B:ALA:HA	1:265:B:ALA:H	14	0.62
(1,2277)	1:265:A:ALA:HA	1:265:A:ALA:H	3	0.62
(1,2277)	1:265:A:ALA:HA	1:265:A:ALA:H	8	0.62
(1,2277)	1:265:A:ALA:HA	1:265:A:ALA:H	9	0.62
(1,2277)	1:265:A:ALA:HA	1:265:A:ALA:H	10	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2277)	1:265:A:ALA:HA	1:265:A:ALA:H	11	0.62
(1,2277)	1:265:A:ALA:HA	1:265:A:ALA:H	12	0.62
(1,2277)	1:265:A:ALA:HA	1:265:A:ALA:H	14	0.62
(1,2232)	1:216:B:LEU:HD13	1:220:A:ILE:HA	11	0.62
(1,2232)	1:216:B:LEU:HD11	1:220:A:ILE:HA	18	0.62
(1,2231)	1:216:A:LEU:HD12	1:220:B:ILE:HA	10	0.62
(1,2222)	1:268:B:LYS:HE3	1:272:A:GLN:HA	8	0.62
(1,2123)	1:225:A:VAL:HG12	1:222:A:SER:HB3	20	0.62
(1,2085)	1:228:A:LYS:HE2	1:225:A:VAL:HG22	20	0.62
(1,1899)	1:268:A:LYS:HE3	1:269:B:LEU:HD23	1	0.62
(1,1802)	1:243:B:ARG:HD3	1:239:B:GLU:HB3	13	0.62
(1,1801)	1:243:A:ARG:HD3	1:239:A:GLU:HB3	13	0.62
(1,1579)	1:216:A:LEU:HD22	1:213:B:ASN:HB3	11	0.62
(1,1547)	1:223:A:LEU:HD13	1:220:B:ILE:HG12	1	0.62
(1,1547)	1:223:A:LEU:HD13	1:220:B:ILE:HG12	13	0.62
(1,1430)	1:258:B:LEU:HD21	1:266:A:GLN:HG2	19	0.62
(1,1422)	1:258:B:LEU:HD22	1:255:A:PHE:HB2	1	0.62
(1,1422)	1:258:B:LEU:HD23	1:255:A:PHE:HB2	14	0.62
(1,1363)	1:216:A:LEU:HD13	1:217:B:GLN:HG3	1	0.62
(1,1338)	1:216:B:LEU:HD11	1:219:B:LYS:HE3	7	0.62
(1,1337)	1:216:A:LEU:HD11	1:219:A:LYS:HE3	7	0.62
(1,1326)	1:269:B:LEU:HG	1:269:B:LEU:HD21	1	0.62
(1,1326)	1:269:B:LEU:HG	1:269:B:LEU:HD23	2	0.62
(1,1326)	1:269:B:LEU:HG	1:269:B:LEU:HD23	3	0.62
(1,1326)	1:269:B:LEU:HG	1:269:B:LEU:HD23	4	0.62
(1,1326)	1:269:B:LEU:HG	1:269:B:LEU:HD21	5	0.62
(1,1326)	1:269:B:LEU:HG	1:269:B:LEU:HD22	8	0.62
(1,1326)	1:269:B:LEU:HG	1:269:B:LEU:HD23	10	0.62
(1,1326)	1:269:B:LEU:HG	1:269:B:LEU:HD22	12	0.62
(1,1326)	1:269:B:LEU:HG	1:269:B:LEU:HD22	15	0.62
(1,1326)	1:269:B:LEU:HG	1:269:B:LEU:HD21	19	0.62
(1,1325)	1:269:A:LEU:HG	1:269:A:LEU:HD23	2	0.62
(1,1325)	1:269:A:LEU:HG	1:269:A:LEU:HD23	4	0.62
(1,1325)	1:269:A:LEU:HG	1:269:A:LEU:HD21	5	0.62
(1,1325)	1:269:A:LEU:HG	1:269:A:LEU:HD22	8	0.62
(1,1325)	1:269:A:LEU:HG	1:269:A:LEU:HD23	10	0.62
(1,1325)	1:269:A:LEU:HG	1:269:A:LEU:HD23	13	0.62
(1,1325)	1:269:A:LEU:HG	1:269:A:LEU:HD22	15	0.62
(1,1325)	1:269:A:LEU:HG	1:269:A:LEU:HD21	19	0.62
(1,1314)	1:269:B:LEU:HG	1:270:B:ARG:HE	9	0.62
(1,1313)	1:269:A:LEU:HG	1:270:A:ARG:HE	6	0.62
(1,1313)	1:269:A:LEU:HG	1:270:A:ARG:HE	9	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1295)	1:216:A:LEU:HD11	1:218:B:GLN:H	16	0.62
(1,1232)	1:220:B:ILE:HG21	1:220:A:ILE:HG12	4	0.62
(1,1231)	1:220:A:ILE:HG22	1:220:B:ILE:HG12	10	0.62
(1,1180)	1:245:B:THR:HG21	1:244:B:ILE:HG22	3	0.62
(1,1180)	1:245:B:THR:HG21	1:244:B:ILE:HG22	5	0.62
(1,1180)	1:245:B:THR:HG22	1:244:B:ILE:HG22	17	0.62
(1,1179)	1:245:A:THR:HG21	1:244:A:ILE:HG22	3	0.62
(1,1179)	1:245:A:THR:HG21	1:244:A:ILE:HG22	5	0.62
(1,1179)	1:245:A:THR:HG22	1:244:A:ILE:HG22	17	0.62
(1,1167)	1:221:A:ASN:HB3	1:225:A:VAL:HG21	13	0.62
(1,872)	1:262:B:LEU:HA	1:262:A:LEU:HD13	6	0.62
(1,871)	1:262:A:LEU:HA	1:262:A:LEU:HD13	15	0.62
(1,552)	1:251:B:MET:HG3	1:255:B:PHE:HB2	2	0.62
(1,551)	1:251:A:MET:HG3	1:255:A:PHE:HB2	2	0.62
(1,524)	1:251:B:MET:HE3	1:248:A:PHE:HA	9	0.62
(1,354)	1:227:B:ALA:HA	1:230:B:LEU:HD23	11	0.62
(1,354)	1:227:B:ALA:HA	1:230:B:LEU:HD23	14	0.62
(1,353)	1:227:A:ALA:HA	1:230:A:LEU:HD23	4	0.62
(1,353)	1:227:A:ALA:HA	1:230:A:LEU:HD23	14	0.62
(1,353)	1:227:A:ALA:HA	1:230:A:LEU:HD21	20	0.62
(1,252)	1:222:B:SER:HB2	1:223:B:LEU:HD21	13	0.62
(1,251)	1:222:A:SER:HB2	1:223:A:LEU:HD21	13	0.62
(1,201)	1:255:A:PHE:HZ	1:251:B:MET:HE1	11	0.62
(3,2064)	1:275:B:ASN:HB3	1:275:B:ASN:H	14	0.61
(3,2063)	1:275:A:ASN:HB3	1:275:A:ASN:H	14	0.61
(3,1894)	1:222:B:SER:HB2	1:219:B:LYS:HG2	3	0.61
(3,1893)	1:222:A:SER:HB2	1:219:A:LYS:HG2	3	0.61
(3,1442)	1:241:B:LEU:HD11	1:241:B:LEU:HG	2	0.61
(3,1442)	1:241:B:LEU:HD11	1:241:B:LEU:HG	3	0.61
(3,1442)	1:241:B:LEU:HD12	1:241:B:LEU:HG	4	0.61
(3,1441)	1:241:A:LEU:HD11	1:241:A:LEU:HG	2	0.61
(3,1441)	1:241:A:LEU:HD11	1:241:A:LEU:HG	3	0.61
(3,1441)	1:241:A:LEU:HD12	1:241:A:LEU:HG	4	0.61
(3,1167)	1:225:A:VAL:HG21	1:221:A:ASN:HD21	13	0.61
(3,1068)	1:222:B:SER:HA	1:225:B:VAL:HG13	7	0.61
(3,1068)	1:222:B:SER:HA	1:225:B:VAL:HG11	18	0.61
(3,1067)	1:222:A:SER:HA	1:225:A:VAL:HG13	7	0.61
(3,1067)	1:222:A:SER:HA	1:225:A:VAL:HG11	18	0.61
(3,860)	1:251:B:MET:HB3	1:248:B:PHE:HA	18	0.61
(3,859)	1:251:A:MET:HB3	1:248:A:PHE:HA	18	0.61
(3,326)	1:227:B:ALA:HB1	1:223:A:LEU:HD23	10	0.61
(1,2285)	1:227:A:ALA:H	1:227:B:ALA:HB2	11	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2231)	1:216:A:LEU:HD13	1:220:B:ILE:HA	11	0.61
(1,2231)	1:216:A:LEU:HD12	1:220:B:ILE:HA	13	0.61
(1,2221)	1:268:A:LYS:HE3	1:272:B:GLN:HA	8	0.61
(1,2086)	1:228:B:LYS:HE2	1:225:B:VAL:HG22	20	0.61
(1,1580)	1:216:B:LEU:HD22	1:213:A:ASN:HB3	11	0.61
(1,1577)	1:216:A:LEU:HD22	1:213:B:ASN:HA	1	0.61
(1,1548)	1:223:B:LEU:HD11	1:220:A:ILE:HG12	14	0.61
(1,1547)	1:223:A:LEU:HD11	1:220:B:ILE:HG12	14	0.61
(1,1534)	1:223:B:LEU:HD21	1:231:A:GLN:H	18	0.61
(1,1533)	1:223:A:LEU:HD23	1:220:B:ILE:H	2	0.61
(1,1418)	1:258:B:LEU:HD21	1:255:A:PHE:HE2	16	0.61
(1,1326)	1:269:B:LEU:HG	1:269:B:LEU:HD21	6	0.61
(1,1326)	1:269:B:LEU:HG	1:269:B:LEU:HD22	9	0.61
(1,1325)	1:269:A:LEU:HG	1:269:A:LEU:HD23	3	0.61
(1,1325)	1:269:A:LEU:HG	1:269:A:LEU:HD21	6	0.61
(1,1325)	1:269:A:LEU:HG	1:269:A:LEU:HD22	9	0.61
(1,1314)	1:269:B:LEU:HG	1:270:B:ARG:HE	6	0.61
(1,1296)	1:216:B:LEU:HD11	1:218:A:GLN:H	16	0.61
(1,1295)	1:262:A:LEU:HD23	1:265:B:ALA:H	3	0.61
(1,1232)	1:220:B:ILE:HG22	1:220:A:ILE:HG12	10	0.61
(1,1232)	1:220:B:ILE:HG21	1:220:A:ILE:HG12	11	0.61
(1,1231)	1:220:A:ILE:HG21	1:220:B:ILE:HG12	11	0.61
(1,1170)	1:225:B:VAL:HG21	1:228:B:LYS:HB2	2	0.61
(1,1169)	1:225:A:VAL:HG21	1:228:A:LYS:HB2	2	0.61
(1,1168)	1:221:B:ASN:HB3	1:225:B:VAL:HG22	20	0.61
(1,872)	1:262:B:LEU:HA	1:262:A:LEU:HD11	2	0.61
(1,872)	1:262:B:LEU:HA	1:262:A:LEU:HD11	7	0.61
(1,872)	1:262:B:LEU:HA	1:262:B:LEU:HD12	13	0.61
(1,872)	1:262:B:LEU:HA	1:262:B:LEU:HD13	15	0.61
(1,872)	1:262:B:LEU:HA	1:262:A:LEU:HD12	18	0.61
(1,872)	1:262:B:LEU:HA	1:262:A:LEU:HD11	20	0.61
(1,871)	1:262:A:LEU:HA	1:262:B:LEU:HD11	2	0.61
(1,871)	1:262:A:LEU:HA	1:262:A:LEU:HD11	3	0.61
(1,871)	1:262:A:LEU:HA	1:262:B:LEU:HD13	6	0.61
(1,871)	1:262:A:LEU:HA	1:262:A:LEU:HD12	13	0.61
(1,871)	1:262:A:LEU:HA	1:262:B:LEU:HD12	14	0.61
(1,552)	1:251:B:MET:HG3	1:255:B:PHE:HB2	11	0.61
(1,551)	1:251:A:MET:HG3	1:255:A:PHE:HB2	6	0.61
(1,551)	1:251:A:MET:HG3	1:255:A:PHE:HB2	11	0.61
(1,414)	1:234:B:ASN:HA	1:237:A:VAL:HG13	2	0.61
(1,354)	1:227:B:ALA:HA	1:230:B:LEU:HD23	4	0.61
(1,354)	1:227:B:ALA:HA	1:230:B:LEU:HD21	13	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,353)	1:227:A:ALA:HA	1:230:A:LEU:HD21	13	0.61
(1,206)	1:258:B:LEU:HD12	1:257:A:THR:HG23	17	0.61
(1,202)	1:255:B:PHE:HZ	1:251:A:MET:HE1	11	0.61
(3,1648)	1:243:B:ARG:HG2	1:242:B:ASP:HB3	7	0.6
(3,1442)	1:241:B:LEU:HD11	1:241:B:LEU:HG	1	0.6
(3,1442)	1:241:B:LEU:HD11	1:241:B:LEU:HG	5	0.6
(3,1442)	1:241:B:LEU:HD12	1:241:B:LEU:HG	7	0.6
(3,1442)	1:241:B:LEU:HD13	1:241:B:LEU:HG	10	0.6
(3,1442)	1:241:B:LEU:HD13	1:241:B:LEU:HG	15	0.6
(3,1442)	1:241:B:LEU:HD13	1:241:B:LEU:HG	17	0.6
(3,1441)	1:241:A:LEU:HD11	1:241:A:LEU:HG	1	0.6
(3,1441)	1:241:A:LEU:HD11	1:241:A:LEU:HG	5	0.6
(3,1441)	1:241:A:LEU:HD12	1:241:A:LEU:HG	7	0.6
(3,1441)	1:241:A:LEU:HD13	1:241:A:LEU:HG	10	0.6
(3,1441)	1:241:A:LEU:HD13	1:241:A:LEU:HG	15	0.6
(3,1441)	1:241:A:LEU:HD13	1:241:A:LEU:HG	17	0.6
(3,1392)	1:258:B:LEU:HD13	1:261:B:GLU:HG2	20	0.6
(3,1322)	1:216:B:LEU:HD11	1:216:A:LEU:HB2	2	0.6
(3,1322)	1:216:B:LEU:HD12	1:216:A:LEU:HB2	7	0.6
(3,1271)	1:217:A:GLN:HA	1:220:A:ILE:HG21	15	0.6
(3,1168)	1:225:B:VAL:HG23	1:221:B:ASN:HD21	6	0.6
(3,888)	1:266:B:GLN:HG3	1:266:B:GLN:H	2	0.6
(3,887)	1:266:A:GLN:HG3	1:266:A:GLN:H	2	0.6
(3,887)	1:266:A:GLN:HG3	1:266:A:GLN:H	20	0.6
(1,2286)	1:227:B:ALA:HB3	1:227:B:ALA:H	12	0.6
(1,2285)	1:227:A:ALA:HB3	1:227:A:ALA:H	12	0.6
(1,1902)	1:264:B:GLU:HG2	1:268:B:LYS:HE2	12	0.6
(1,1901)	1:264:A:GLU:HG2	1:268:A:LYS:HE2	12	0.6
(1,1868)	1:240:B:ARG:HG2	1:241:A:LEU:HD23	3	0.6
(1,1548)	1:223:B:LEU:HD13	1:220:A:ILE:HG12	4	0.6
(1,1547)	1:223:A:LEU:HD13	1:220:B:ILE:HG12	4	0.6
(1,1534)	1:223:B:LEU:HD23	1:220:A:ILE:H	2	0.6
(1,1421)	1:258:A:LEU:HD22	1:255:B:PHE:HB2	1	0.6
(1,1417)	1:258:A:LEU:HD21	1:255:B:PHE:HE2	16	0.6
(1,1335)	1:269:A:LEU:HD11	1:268:B:LYS:HB2	7	0.6
(1,1326)	1:269:B:LEU:HG	1:269:B:LEU:HD22	16	0.6
(1,1325)	1:269:A:LEU:HG	1:269:A:LEU:HD22	16	0.6
(1,1314)	1:269:B:LEU:HG	1:270:B:ARG:HE	16	0.6
(1,1313)	1:269:A:LEU:HG	1:270:A:ARG:HE	16	0.6
(1,1300)	1:258:B:LEU:HD12	1:255:A:PHE:HZ	3	0.6
(1,1300)	1:258:B:LEU:HD12	1:255:A:PHE:HE2	11	0.6
(1,1231)	1:220:A:ILE:HG21	1:220:B:ILE:HG12	4	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1167)	1:221:A:ASN:HB3	1:225:A:VAL:HG22	20	0.6
(1,1124)	1:237:B:VAL:HG13	1:235:B:GLU:HB2	3	0.6
(1,1123)	1:237:A:VAL:HG13	1:235:A:GLU:HB2	3	0.6
(1,872)	1:262:B:LEU:HA	1:262:B:LEU:HD13	1	0.6
(1,872)	1:262:B:LEU:HA	1:262:B:LEU:HD11	3	0.6
(1,872)	1:262:B:LEU:HA	1:262:B:LEU:HD13	4	0.6
(1,872)	1:262:B:LEU:HA	1:262:A:LEU:HD13	8	0.6
(1,872)	1:262:B:LEU:HA	1:262:B:LEU:HD13	10	0.6
(1,872)	1:262:B:LEU:HA	1:262:A:LEU:HD12	14	0.6
(1,871)	1:262:A:LEU:HA	1:262:A:LEU:HD13	1	0.6
(1,871)	1:262:A:LEU:HA	1:262:B:LEU:HD13	8	0.6
(1,871)	1:262:A:LEU:HA	1:262:A:LEU:HD13	10	0.6
(1,871)	1:262:A:LEU:HA	1:262:B:LEU:HD12	18	0.6
(1,624)	1:264:B:GLU:HG3	1:268:B:LYS:HD2	10	0.6
(1,552)	1:251:B:MET:HG3	1:255:B:PHE:HB2	6	0.6
(1,413)	1:234:A:ASN:HA	1:237:B:VAL:HG13	2	0.6
(1,354)	1:227:B:ALA:HA	1:230:B:LEU:HD21	3	0.6
(1,353)	1:227:A:ALA:HA	1:230:A:LEU:HD21	3	0.6
(1,206)	1:258:B:LEU:HD11	1:257:A:THR:HG22	19	0.6
(1,201)	1:255:A:PHE:HZ	1:251:B:MET:HE2	7	0.6
(3,2063)	1:275:A:ASN:HB3	1:275:A:ASN:H	18	0.59
(3,1602)	1:209:B:LEU:HD22	1:206:B:PHE:HA	18	0.59
(3,1601)	1:209:A:LEU:HD22	1:206:A:PHE:HA	18	0.59
(3,1442)	1:241:B:LEU:HD11	1:241:B:LEU:HG	6	0.59
(3,1442)	1:241:B:LEU:HD12	1:241:B:LEU:HG	8	0.59
(3,1442)	1:241:B:LEU:HD11	1:241:B:LEU:HG	9	0.59
(3,1442)	1:241:B:LEU:HD13	1:241:B:LEU:HG	11	0.59
(3,1442)	1:241:B:LEU:HD12	1:241:B:LEU:HG	14	0.59
(3,1442)	1:241:B:LEU:HD12	1:241:B:LEU:HG	16	0.59
(3,1441)	1:241:A:LEU:HD11	1:241:A:LEU:HG	6	0.59
(3,1441)	1:241:A:LEU:HD12	1:241:A:LEU:HG	8	0.59
(3,1441)	1:241:A:LEU:HD11	1:241:A:LEU:HG	9	0.59
(3,1441)	1:241:A:LEU:HD13	1:241:A:LEU:HG	11	0.59
(3,1441)	1:241:A:LEU:HD12	1:241:A:LEU:HG	14	0.59
(3,1441)	1:241:A:LEU:HD12	1:241:A:LEU:HG	16	0.59
(3,1322)	1:216:B:LEU:HD11	1:216:A:LEU:HB2	5	0.59
(3,1322)	1:216:B:LEU:HD11	1:216:A:LEU:HB2	6	0.59
(3,1322)	1:216:B:LEU:HD12	1:216:A:LEU:HB2	15	0.59
(3,1322)	1:216:B:LEU:HD13	1:216:A:LEU:HB2	17	0.59
(3,1322)	1:216:B:LEU:HD12	1:216:A:LEU:HB2	19	0.59
(3,1321)	1:216:A:LEU:HD12	1:216:B:LEU:HB2	7	0.59
(3,1321)	1:216:A:LEU:HD12	1:216:B:LEU:HB2	15	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1321)	1:216:A:LEU:HD13	1:216:B:LEU:HB2	17	0.59
(3,1321)	1:216:A:LEU:HD12	1:216:B:LEU:HB2	19	0.59
(3,1272)	1:217:B:GLN:HA	1:220:B:ILE:HG22	2	0.59
(3,1272)	1:217:B:GLN:HA	1:220:B:ILE:HG21	15	0.59
(3,1271)	1:217:A:GLN:HA	1:220:A:ILE:HG22	2	0.59
(3,1167)	1:225:A:VAL:HG23	1:221:A:ASN:HD21	6	0.59
(3,1068)	1:222:B:SER:HA	1:225:B:VAL:HG11	17	0.59
(3,1067)	1:222:A:SER:HA	1:225:A:VAL:HG11	17	0.59
(3,888)	1:266:B:GLN:HG3	1:266:B:GLN:H	7	0.59
(3,888)	1:266:B:GLN:HG3	1:266:B:GLN:H	20	0.59
(3,887)	1:266:A:GLN:HG3	1:266:A:GLN:H	7	0.59
(1,2284)	1:265:B:ALA:H	1:267:B:GLN:HG3	9	0.59
(1,2232)	1:216:B:LEU:HD12	1:220:A:ILE:HA	13	0.59
(1,2219)	1:255:A:PHE:HA	1:258:A:LEU:HD21	2	0.59
(1,2038)	1:250:B:LYS:HE3	1:249:B:VAL:HA	1	0.59
(1,2037)	1:250:A:LYS:HE3	1:249:A:VAL:HA	1	0.59
(1,1556)	1:223:B:LEU:HD23	1:223:A:LEU:HB3	12	0.59
(1,1548)	1:223:B:LEU:HD11	1:220:A:ILE:HG12	16	0.59
(1,1548)	1:223:B:LEU:HD13	1:220:A:ILE:HG12	19	0.59
(1,1547)	1:223:A:LEU:HD12	1:220:B:ILE:HG12	10	0.59
(1,1533)	1:223:A:LEU:HD23	1:231:B:GLN:H	7	0.59
(1,1513)	1:230:A:LEU:HD23	1:227:B:ALA:HB3	11	0.59
(1,1413)	1:255:A:PHE:HE1	1:259:A:ARG:HG2	9	0.59
(1,1365)	1:212:A:GLU:HB3	1:216:A:LEU:HD13	14	0.59
(1,1313)	1:269:A:LEU:HG	1:270:A:ARG:HE	20	0.59
(1,1299)	1:258:A:LEU:HD12	1:255:B:PHE:HE2	11	0.59
(1,1295)	1:262:A:LEU:HD21	1:265:B:ALA:H	6	0.59
(1,1232)	1:220:B:ILE:HG22	1:220:A:ILE:HG12	15	0.59
(1,1231)	1:220:A:ILE:HG22	1:220:B:ILE:HG12	15	0.59
(1,1168)	1:221:B:ASN:HB2	1:225:B:VAL:HG21	17	0.59
(1,1167)	1:221:A:ASN:HB2	1:225:A:VAL:HG21	17	0.59
(1,872)	1:262:B:LEU:HA	1:262:A:LEU:HD11	9	0.59
(1,872)	1:262:B:LEU:HA	1:262:A:LEU:HD11	12	0.59
(1,871)	1:262:A:LEU:HA	1:262:A:LEU:HD13	4	0.59
(1,871)	1:262:A:LEU:HA	1:262:A:LEU:HD13	5	0.59
(1,871)	1:262:A:LEU:HA	1:262:B:LEU:HD11	9	0.59
(1,625)	1:214:A:GLU:HG2	1:210:A:LEU:HD12	7	0.59
(1,552)	1:251:B:MET:HG3	1:255:B:PHE:HB2	5	0.59
(1,551)	1:251:A:MET:HG3	1:255:A:PHE:HB2	5	0.59
(1,534)	1:251:B:MET:HE3	1:254:A:ASN:H	1	0.59
(1,533)	1:251:A:MET:HE3	1:254:B:ASN:H	1	0.59
(1,205)	1:258:A:LEU:HD11	1:260:B:THR:HG21	4	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,205)	1:258:A:LEU:HD11	1:257:B:THR:HG22	19	0.59
(1,136)	1:255:B:PHE:HE2	1:251:A:MET:HE3	1	0.59
(1,37)	1:210:A:LEU:HD21	1:210:B:LEU:HB2	11	0.59
(3,2064)	1:275:B:ASN:HB3	1:275:B:ASN:H	18	0.58
(3,2031)	1:265:A:ALA:HB2	1:265:A:ALA:H	14	0.58
(3,1512)	1:226:B:GLU:HG3	1:230:B:LEU:HD12	7	0.58
(3,1512)	1:226:B:GLU:HG3	1:230:B:LEU:HD13	10	0.58
(3,1511)	1:226:A:GLU:HG3	1:230:A:LEU:HD12	7	0.58
(3,1442)	1:241:B:LEU:HD11	1:241:B:LEU:HG	13	0.58
(3,1442)	1:241:B:LEU:HD13	1:241:B:LEU:HG	18	0.58
(3,1442)	1:241:B:LEU:HD13	1:241:B:LEU:HG	19	0.58
(3,1442)	1:241:B:LEU:HD12	1:241:B:LEU:HG	20	0.58
(3,1441)	1:241:A:LEU:HD11	1:241:A:LEU:HG	13	0.58
(3,1441)	1:241:A:LEU:HD13	1:241:A:LEU:HG	18	0.58
(3,1441)	1:241:A:LEU:HD13	1:241:A:LEU:HG	19	0.58
(3,1441)	1:241:A:LEU:HD12	1:241:A:LEU:HG	20	0.58
(3,1391)	1:258:A:LEU:HD13	1:261:A:GLU:HG2	20	0.58
(3,1324)	1:266:B:GLN:HG3	1:262:B:LEU:HD13	19	0.58
(3,1323)	1:266:A:GLN:HG3	1:262:A:LEU:HD13	19	0.58
(3,1322)	1:216:B:LEU:HD12	1:216:A:LEU:HB2	10	0.58
(3,1321)	1:216:A:LEU:HD11	1:216:B:LEU:HB2	2	0.58
(3,1321)	1:216:A:LEU:HD11	1:216:B:LEU:HB2	5	0.58
(3,1321)	1:216:A:LEU:HD11	1:216:B:LEU:HB2	6	0.58
(3,1321)	1:216:A:LEU:HD13	1:216:B:LEU:HB2	9	0.58
(3,1321)	1:216:A:LEU:HD11	1:216:B:LEU:HB2	16	0.58
(3,1101)	1:237:A:VAL:HG21	1:241:B:LEU:HD23	16	0.58
(3,888)	1:266:B:GLN:HG3	1:266:B:GLN:H	6	0.58
(3,888)	1:266:B:GLN:HG3	1:266:B:GLN:H	13	0.58
(3,887)	1:266:A:GLN:HG3	1:266:A:GLN:H	6	0.58
(3,887)	1:266:A:GLN:HG3	1:266:A:GLN:H	13	0.58
(3,329)	1:227:A:ALA:HA	1:226:A:GLU:HG3	7	0.58
(1,2286)	1:227:B:ALA:HB1	1:227:B:ALA:H	6	0.58
(1,2286)	1:227:B:ALA:HB2	1:227:B:ALA:H	20	0.58
(1,2285)	1:227:A:ALA:HB1	1:227:A:ALA:H	6	0.58
(1,2285)	1:227:A:ALA:HB2	1:227:A:ALA:H	20	0.58
(1,2284)	1:265:B:ALA:H	1:267:B:GLN:HG3	10	0.58
(1,2283)	1:265:A:ALA:H	1:267:A:GLN:HG3	9	0.58
(1,2283)	1:265:A:ALA:H	1:267:A:GLN:HG3	10	0.58
(1,2240)	1:244:B:ILE:HG21	1:251:A:MET:HB2	8	0.58
(1,2220)	1:255:B:PHE:HA	1:258:B:LEU:HD21	2	0.58
(1,2210)	1:216:B:LEU:HB2	1:216:B:LEU:HD13	3	0.58
(1,2209)	1:216:A:LEU:HB2	1:216:A:LEU:HD13	3	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1868)	1:240:B:ARG:HG2	1:241:A:LEU:HD22	1	0.58
(1,1867)	1:240:A:ARG:HG2	1:241:B:LEU:HD23	3	0.58
(1,1867)	1:240:A:ARG:HG2	1:241:B:LEU:HD22	10	0.58
(1,1794)	1:246:B:ASP:HB3	1:243:B:ARG:HD3	9	0.58
(1,1793)	1:246:A:ASP:HB3	1:243:A:ARG:HD3	9	0.58
(1,1760)	1:259:B:ARG:HG2	1:257:B:THR:HG22	11	0.58
(1,1759)	1:259:A:ARG:HG2	1:257:A:THR:HG22	11	0.58
(1,1621)	1:271:A:ARG:HD3	1:267:A:GLN:HB3	11	0.58
(1,1555)	1:223:A:LEU:HD23	1:223:B:LEU:HB3	12	0.58
(1,1548)	1:223:B:LEU:HD11	1:220:A:ILE:HG12	9	0.58
(1,1547)	1:223:A:LEU:HD11	1:220:B:ILE:HG12	9	0.58
(1,1547)	1:223:A:LEU:HD11	1:220:B:ILE:HG12	16	0.58
(1,1547)	1:223:A:LEU:HD13	1:220:B:ILE:HG12	19	0.58
(1,1533)	1:223:A:LEU:HD22	1:231:B:GLN:H	3	0.58
(1,1533)	1:223:A:LEU:HD21	1:231:B:GLN:H	13	0.58
(1,1533)	1:223:A:LEU:HD21	1:231:B:GLN:H	15	0.58
(1,1514)	1:230:B:LEU:HD23	1:227:A:ALA:HB3	11	0.58
(1,1438)	1:241:B:LEU:HD23	1:240:A:ARG:HB2	7	0.58
(1,1414)	1:255:B:PHE:HE1	1:259:B:ARG:HG2	9	0.58
(1,1366)	1:212:B:GLU:HB3	1:216:B:LEU:HD13	14	0.58
(1,1356)	1:269:B:LEU:HD12	1:268:A:LYS:HE3	1	0.58
(1,1328)	1:262:B:LEU:HD22	1:262:B:LEU:HG	6	0.58
(1,1328)	1:262:B:LEU:HD23	1:262:B:LEU:HG	7	0.58
(1,1328)	1:210:B:LEU:HD11	1:210:B:LEU:HG	10	0.58
(1,1328)	1:262:B:LEU:HD22	1:262:B:LEU:HG	14	0.58
(1,1328)	1:210:B:LEU:HD11	1:210:B:LEU:HG	15	0.58
(1,1328)	1:262:B:LEU:HD21	1:262:B:LEU:HG	19	0.58
(1,1328)	1:210:B:LEU:HD11	1:210:B:LEU:HG	20	0.58
(1,1327)	1:262:A:LEU:HD22	1:262:A:LEU:HG	6	0.58
(1,1327)	1:210:A:LEU:HD11	1:210:A:LEU:HG	10	0.58
(1,1327)	1:210:A:LEU:HD11	1:210:A:LEU:HG	15	0.58
(1,1327)	1:210:A:LEU:HD13	1:210:A:LEU:HG	18	0.58
(1,1327)	1:262:A:LEU:HD21	1:262:A:LEU:HG	19	0.58
(1,1314)	1:269:B:LEU:HG	1:270:B:ARG:HE	20	0.58
(1,1297)	1:216:A:LEU:HD11	1:213:B:ASN:HD21	4	0.58
(1,1296)	1:262:B:LEU:HD21	1:265:A:ALA:H	6	0.58
(1,1296)	1:262:B:LEU:HD21	1:265:A:ALA:H	7	0.58
(1,1232)	1:220:B:ILE:HG23	1:220:A:ILE:HG12	9	0.58
(1,1231)	1:220:A:ILE:HG23	1:220:B:ILE:HG12	9	0.58
(1,947)	1:273:A:GLN:HA	1:269:A:LEU:HD23	6	0.58
(1,876)	1:212:B:GLU:HA	1:208:B:ARG:HG2	5	0.58
(1,875)	1:212:A:GLU:HA	1:208:A:ARG:HG2	5	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,872)	1:262:B:LEU:HA	1:262:B:LEU:HD13	5	0.58
(1,871)	1:262:A:LEU:HA	1:262:B:LEU:HD11	7	0.58
(1,871)	1:262:A:LEU:HA	1:262:B:LEU:HD11	12	0.58
(1,871)	1:262:A:LEU:HA	1:262:B:LEU:HD11	20	0.58
(1,626)	1:214:B:GLU:HG2	1:210:B:LEU:HD12	7	0.58
(1,623)	1:264:A:GLU:HG3	1:268:A:LYS:HD2	10	0.58
(1,608)	1:245:B:THR:HG22	1:244:A:ILE:HD11	15	0.58
(1,607)	1:245:A:THR:HG22	1:244:B:ILE:HD11	15	0.58
(1,529)	1:251:A:MET:HE2	1:248:A:PHE:H	4	0.58
(1,202)	1:255:B:PHE:HZ	1:251:A:MET:HE3	4	0.58
(1,38)	1:210:B:LEU:HD21	1:210:A:LEU:HB2	11	0.58
(3,2064)	1:275:B:ASN:HB3	1:275:B:ASN:H	5	0.57
(3,2063)	1:275:A:ASN:HB3	1:275:A:ASN:H	5	0.57
(3,2032)	1:265:B:ALA:HB2	1:265:B:ALA:H	14	0.57
(3,2032)	1:265:B:ALA:HB2	1:265:B:ALA:H	15	0.57
(3,1511)	1:226:A:GLU:HG3	1:230:A:LEU:HD13	10	0.57
(3,1442)	1:241:B:LEU:HD11	1:241:B:LEU:HG	12	0.57
(3,1441)	1:241:A:LEU:HD11	1:241:A:LEU:HG	12	0.57
(3,1430)	1:241:B:LEU:HD23	1:237:A:VAL:HG21	16	0.57
(3,1322)	1:216:B:LEU:HD12	1:216:A:LEU:HB2	3	0.57
(3,1322)	1:216:B:LEU:HD11	1:216:A:LEU:HB2	8	0.57
(3,1322)	1:216:B:LEU:HD13	1:216:A:LEU:HB2	9	0.57
(3,1322)	1:216:B:LEU:HD11	1:216:A:LEU:HB2	16	0.57
(3,1321)	1:216:A:LEU:HD12	1:216:B:LEU:HB2	3	0.57
(3,1321)	1:216:A:LEU:HD11	1:216:B:LEU:HB2	8	0.57
(3,1321)	1:216:A:LEU:HD12	1:216:B:LEU:HB2	10	0.57
(3,1167)	1:225:A:VAL:HG23	1:221:A:ASN:HD21	16	0.57
(3,1101)	1:237:A:VAL:HG22	1:241:B:LEU:HD23	8	0.57
(3,974)	1:238:B:GLN:HG3	1:238:B:GLN:HA	10	0.57
(3,973)	1:238:A:GLN:HG3	1:238:A:GLN:HA	10	0.57
(3,888)	1:266:B:GLN:HG3	1:266:B:GLN:H	5	0.57
(3,888)	1:266:B:GLN:HG3	1:266:B:GLN:H	18	0.57
(3,887)	1:266:A:GLN:HG3	1:266:A:GLN:H	5	0.57
(3,887)	1:266:A:GLN:HG3	1:266:A:GLN:H	11	0.57
(3,326)	1:227:B:ALA:HB1	1:223:A:LEU:HD23	1	0.57
(3,236)	1:244:B:ILE:HG22	1:244:A:ILE:HD11	18	0.57
(1,2286)	1:227:B:ALA:HB3	1:227:B:ALA:H	5	0.57
(1,2286)	1:227:B:ALA:HB3	1:227:B:ALA:H	9	0.57
(1,2286)	1:227:B:ALA:HB1	1:227:B:ALA:H	14	0.57
(1,2286)	1:227:B:ALA:H	1:227:A:ALA:HB1	19	0.57
(1,2285)	1:227:A:ALA:HB3	1:227:A:ALA:H	5	0.57
(1,2285)	1:227:A:ALA:HB1	1:227:A:ALA:H	14	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2284)	1:265:B:ALA:H	1:267:B:GLN:HG3	19	0.57
(1,2283)	1:265:A:ALA:H	1:267:A:GLN:HG3	19	0.57
(1,2239)	1:244:A:ILE:HG21	1:251:B:MET:HB2	8	0.57
(1,2037)	1:250:A:LYS:HE3	1:249:A:VAL:HA	2	0.57
(1,1959)	1:256:A:GLU:HG2	1:252:A:LYS:HE3	1	0.57
(1,1959)	1:256:A:GLU:HG3	1:252:A:LYS:HE3	19	0.57
(1,1868)	1:240:B:ARG:HG2	1:241:A:LEU:HD22	5	0.57
(1,1868)	1:240:B:ARG:HG2	1:241:A:LEU:HD22	10	0.57
(1,1867)	1:240:A:ARG:HG2	1:241:B:LEU:HD22	1	0.57
(1,1867)	1:240:A:ARG:HG2	1:241:B:LEU:HD22	17	0.57
(1,1832)	1:240:B:ARG:HD2	1:241:A:LEU:HD12	12	0.57
(1,1735)	1:259:A:ARG:HD2	1:260:A:THR:HG22	7	0.57
(1,1622)	1:271:B:ARG:HD3	1:267:B:GLN:HB3	11	0.57
(1,1582)	1:216:B:LEU:HD22	1:217:A:GLN:HG2	9	0.57
(1,1581)	1:216:A:LEU:HD22	1:217:B:GLN:HG2	9	0.57
(1,1577)	1:216:A:LEU:HD23	1:213:B:ASN:HA	10	0.57
(1,1556)	1:223:B:LEU:HD22	1:223:A:LEU:HB3	19	0.57
(1,1548)	1:223:B:LEU:HD12	1:220:A:ILE:HG12	10	0.57
(1,1534)	1:223:B:LEU:HD22	1:231:A:GLN:H	3	0.57
(1,1534)	1:223:B:LEU:HD23	1:231:A:GLN:H	7	0.57
(1,1429)	1:258:A:LEU:HD21	1:266:B:GLN:HG2	15	0.57
(1,1420)	1:258:B:LEU:HD21	1:255:A:PHE:HD2	4	0.57
(1,1335)	1:269:A:LEU:HD11	1:268:B:LYS:HB2	1	0.57
(1,1328)	1:262:B:LEU:HD22	1:262:B:LEU:HG	1	0.57
(1,1328)	1:262:B:LEU:HD22	1:262:B:LEU:HG	2	0.57
(1,1328)	1:262:B:LEU:HD21	1:262:B:LEU:HG	3	0.57
(1,1328)	1:262:B:LEU:HD22	1:262:B:LEU:HG	5	0.57
(1,1328)	1:262:B:LEU:HD22	1:262:B:LEU:HG	9	0.57
(1,1328)	1:262:B:LEU:HD21	1:262:B:LEU:HG	11	0.57
(1,1328)	1:262:B:LEU:HD23	1:262:B:LEU:HG	12	0.57
(1,1328)	1:262:B:LEU:HD21	1:262:B:LEU:HG	13	0.57
(1,1328)	1:210:B:LEU:HD13	1:210:B:LEU:HG	18	0.57
(1,1327)	1:262:A:LEU:HD22	1:262:A:LEU:HG	1	0.57
(1,1327)	1:262:A:LEU:HD22	1:262:A:LEU:HG	2	0.57
(1,1327)	1:262:A:LEU:HD21	1:262:A:LEU:HG	3	0.57
(1,1327)	1:262:A:LEU:HD22	1:262:A:LEU:HG	5	0.57
(1,1327)	1:262:A:LEU:HD23	1:262:A:LEU:HG	7	0.57
(1,1327)	1:262:A:LEU:HD22	1:262:A:LEU:HG	9	0.57
(1,1327)	1:262:A:LEU:HD21	1:262:A:LEU:HG	11	0.57
(1,1327)	1:262:A:LEU:HD23	1:262:A:LEU:HG	12	0.57
(1,1327)	1:262:A:LEU:HD21	1:262:A:LEU:HG	13	0.57
(1,1327)	1:262:A:LEU:HD22	1:262:A:LEU:HG	14	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1327)	1:269:A:LEU:HB3	1:269:A:LEU:HD12	16	0.57
(1,1327)	1:210:A:LEU:HD12	1:210:A:LEU:HG	17	0.57
(1,1327)	1:210:A:LEU:HD11	1:210:A:LEU:HG	20	0.57
(1,1318)	1:243:B:ARG:HG2	1:242:B:ASP:HA	16	0.57
(1,1317)	1:243:A:ARG:HG2	1:242:A:ASP:HA	16	0.57
(1,1300)	1:258:B:LEU:HD12	1:255:A:PHE:HE1	6	0.57
(1,1298)	1:216:B:LEU:HD11	1:213:A:ASN:HD21	4	0.57
(1,1296)	1:262:B:LEU:HD23	1:265:A:ALA:H	3	0.57
(1,1124)	1:237:B:VAL:HG13	1:235:B:GLU:HB2	4	0.57
(1,1123)	1:237:A:VAL:HG13	1:235:A:GLU:HB2	4	0.57
(1,1022)	1:266:B:GLN:HG3	1:262:B:LEU:HD13	9	0.57
(1,948)	1:273:B:GLN:HA	1:269:B:LEU:HD22	2	0.57
(1,948)	1:273:B:GLN:HA	1:269:B:LEU:HD23	6	0.57
(1,947)	1:273:A:GLN:HA	1:269:A:LEU:HD22	2	0.57
(1,876)	1:223:B:LEU:HA	1:228:B:LYS:HG3	11	0.57
(1,875)	1:223:A:LEU:HA	1:228:B:LYS:HG3	11	0.57
(1,872)	1:262:B:LEU:HA	1:262:B:LEU:HD11	17	0.57
(1,552)	1:251:B:MET:HG3	1:255:B:PHE:HB2	7	0.57
(1,551)	1:251:A:MET:HG3	1:255:A:PHE:HB2	7	0.57
(1,534)	1:251:B:MET:HE3	1:254:A:ASN:H	11	0.57
(1,530)	1:251:B:MET:HE2	1:248:B:PHE:H	4	0.57
(1,528)	1:251:B:MET:HE3	1:248:A:PHE:HD1	9	0.57
(1,527)	1:251:A:MET:HE3	1:248:B:PHE:HD1	9	0.57
(1,354)	1:227:B:ALA:HA	1:230:B:LEU:HD21	12	0.57
(1,354)	1:227:B:ALA:HA	1:230:B:LEU:HD21	15	0.57
(1,353)	1:227:A:ALA:HA	1:230:A:LEU:HD21	12	0.57
(1,201)	1:255:A:PHE:HZ	1:251:B:MET:HE3	4	0.57
(3,2064)	1:275:B:ASN:HB3	1:275:B:ASN:H	15	0.56
(3,2063)	1:275:A:ASN:HB3	1:275:A:ASN:H	15	0.56
(3,2032)	1:265:B:ALA:HB2	1:265:B:ALA:H	9	0.56
(3,2032)	1:265:B:ALA:HB3	1:265:B:ALA:H	17	0.56
(3,2031)	1:265:A:ALA:HB2	1:265:A:ALA:H	9	0.56
(3,2031)	1:265:A:ALA:HB2	1:265:A:ALA:H	15	0.56
(3,2031)	1:265:A:ALA:HB3	1:265:A:ALA:H	17	0.56
(3,1894)	1:222:B:SER:HB2	1:219:B:LYS:HG2	15	0.56
(3,1842)	1:228:B:LYS:HA	1:228:B:LYS:HG2	16	0.56
(3,1841)	1:228:A:LYS:HA	1:228:A:LYS:HG2	16	0.56
(3,1753)	1:229:A:ARG:HG3	1:226:A:GLU:HA	19	0.56
(3,1430)	1:241:B:LEU:HD23	1:237:A:VAL:HG22	8	0.56
(3,1429)	1:241:A:LEU:HD23	1:237:B:VAL:HG22	8	0.56
(3,1429)	1:241:A:LEU:HD23	1:237:B:VAL:HG21	16	0.56
(3,1322)	1:216:B:LEU:HD11	1:216:A:LEU:HB2	1	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1322)	1:216:B:LEU:HD12	1:216:A:LEU:HB2	12	0.56
(3,1322)	1:216:B:LEU:HD11	1:216:A:LEU:HB2	18	0.56
(3,1322)	1:216:B:LEU:HD13	1:216:A:LEU:HB2	20	0.56
(3,1321)	1:216:A:LEU:HD11	1:216:B:LEU:HB2	1	0.56
(3,1321)	1:216:A:LEU:HD12	1:216:B:LEU:HB2	4	0.56
(3,1321)	1:216:A:LEU:HD12	1:216:B:LEU:HB2	12	0.56
(3,1321)	1:216:A:LEU:HD12	1:216:B:LEU:HB2	13	0.56
(3,1321)	1:216:A:LEU:HD11	1:216:B:LEU:HB2	18	0.56
(3,1271)	1:217:A:GLN:HA	1:220:A:ILE:HG23	11	0.56
(3,1262)	1:224:B:GLU:HG3	1:220:B:ILE:HG23	18	0.56
(3,1261)	1:224:A:GLU:HG3	1:220:A:ILE:HG23	18	0.56
(3,1250)	1:220:B:ILE:HG22	1:220:B:ILE:HG13	1	0.56
(3,1249)	1:220:A:ILE:HG22	1:220:A:ILE:HG13	9	0.56
(3,1168)	1:225:B:VAL:HG23	1:221:B:ASN:HD21	16	0.56
(3,1102)	1:237:B:VAL:HG22	1:241:A:LEU:HD23	8	0.56
(3,1102)	1:237:B:VAL:HG21	1:241:A:LEU:HD23	16	0.56
(3,1068)	1:222:B:SER:HA	1:225:B:VAL:HG12	13	0.56
(3,1067)	1:222:A:SER:HA	1:225:A:VAL:HG12	13	0.56
(3,1056)	1:246:B:ASP:HA	1:249:B:VAL:HG12	9	0.56
(3,888)	1:266:B:GLN:HG3	1:266:B:GLN:H	11	0.56
(3,888)	1:266:B:GLN:HG3	1:266:B:GLN:H	16	0.56
(3,887)	1:266:A:GLN:HG3	1:266:A:GLN:H	18	0.56
(3,714)	1:239:B:GLU:HG3	1:243:B:ARG:HG3	17	0.56
(3,516)	1:247:B:ASP:HB2	1:251:B:MET:HE3	10	0.56
(3,330)	1:227:B:ALA:HA	1:226:B:GLU:HG3	7	0.56
(3,325)	1:227:A:ALA:HB1	1:223:B:LEU:HD23	1	0.56
(3,235)	1:244:A:ILE:HG22	1:244:B:ILE:HD11	18	0.56
(1,2285)	1:227:A:ALA:HB3	1:227:A:ALA:H	9	0.56
(1,2285)	1:227:A:ALA:H	1:227:B:ALA:HB1	19	0.56
(1,2231)	1:216:A:LEU:HD13	1:220:B:ILE:HA	20	0.56
(1,2038)	1:250:B:LYS:HE3	1:249:B:VAL:HA	2	0.56
(1,1868)	1:240:B:ARG:HG2	1:241:A:LEU:HD22	17	0.56
(1,1867)	1:240:A:ARG:HG2	1:241:B:LEU:HD22	5	0.56
(1,1831)	1:240:A:ARG:HD2	1:241:B:LEU:HD12	12	0.56
(1,1810)	1:243:B:ARG:HD3	1:240:B:ARG:HG2	10	0.56
(1,1809)	1:243:A:ARG:HD3	1:240:A:ARG:HG2	10	0.56
(1,1798)	1:239:B:GLU:HG3	1:243:B:ARG:HD3	5	0.56
(1,1797)	1:239:A:GLU:HG3	1:243:A:ARG:HD3	5	0.56
(1,1736)	1:259:B:ARG:HD2	1:260:B:THR:HG22	7	0.56
(1,1556)	1:223:B:LEU:HD21	1:223:A:LEU:HB3	7	0.56
(1,1556)	1:223:B:LEU:HD23	1:223:A:LEU:HB3	11	0.56
(1,1555)	1:223:A:LEU:HD22	1:223:B:LEU:HB3	19	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1548)	1:223:B:LEU:HD13	1:220:A:ILE:HG12	11	0.56
(1,1547)	1:223:A:LEU:HD13	1:220:B:ILE:HG12	11	0.56
(1,1534)	1:223:B:LEU:HD21	1:231:A:GLN:H	15	0.56
(1,1363)	1:214:A:GLU:HG2	1:210:A:LEU:HD12	2	0.56
(1,1328)	1:269:B:LEU:HB3	1:269:B:LEU:HD12	16	0.56
(1,1328)	1:262:B:LEU:HD21	1:262:B:LEU:HG	17	0.56
(1,1299)	1:258:A:LEU:HD12	1:255:B:PHE:HE1	6	0.56
(1,1297)	1:216:A:LEU:HD12	1:213:B:ASN:HD21	9	0.56
(1,1170)	1:225:B:VAL:HG21	1:228:B:LYS:HB2	19	0.56
(1,1168)	1:221:B:ASN:HB3	1:225:B:VAL:HG23	6	0.56
(1,1167)	1:221:A:ASN:HB3	1:225:A:VAL:HG23	6	0.56
(1,1124)	1:237:B:VAL:HG11	1:235:B:GLU:HB2	1	0.56
(1,1112)	1:249:B:VAL:HG11	1:250:B:LYS:HG3	9	0.56
(1,1021)	1:266:A:GLN:HG3	1:262:A:LEU:HD13	9	0.56
(1,948)	1:273:B:GLN:HA	1:269:B:LEU:HD22	3	0.56
(1,875)	1:212:A:GLU:HA	1:208:A:ARG:HG2	17	0.56
(1,872)	1:262:B:LEU:HA	1:262:B:LEU:HD12	19	0.56
(1,871)	1:262:A:LEU:HA	1:262:A:LEU:HD11	17	0.56
(1,871)	1:262:A:LEU:HA	1:262:A:LEU:HD12	19	0.56
(1,768)	1:256:B:GLU:HG2	1:252:B:LYS:HG3	10	0.56
(1,767)	1:256:A:GLU:HG2	1:252:A:LYS:HG3	10	0.56
(1,542)	1:251:B:MET:HE3	1:248:B:PHE:HB2	7	0.56
(1,541)	1:251:A:MET:HE2	1:248:A:PHE:HB2	5	0.56
(1,541)	1:251:A:MET:HE3	1:248:A:PHE:HB2	7	0.56
(1,533)	1:251:A:MET:HE3	1:254:B:ASN:H	11	0.56
(1,353)	1:227:A:ALA:HA	1:230:A:LEU:HD21	15	0.56
(1,135)	1:255:A:PHE:HE2	1:251:B:MET:HE3	1	0.56
(1,37)	1:210:A:LEU:HD23	1:209:B:LEU:HB3	12	0.56
(3,2031)	1:265:A:ALA:HB1	1:265:A:ALA:H	2	0.55
(3,2031)	1:265:A:ALA:HB3	1:265:A:ALA:H	3	0.55
(3,1893)	1:222:A:SER:HB2	1:219:A:LYS:HG2	15	0.55
(3,1754)	1:229:B:ARG:HG3	1:226:B:GLU:HA	19	0.55
(3,1429)	1:241:A:LEU:HD23	1:237:B:VAL:HG22	2	0.55
(3,1330)	1:258:B:LEU:HD11	1:259:A:ARG:HA	20	0.55
(3,1322)	1:216:B:LEU:HD13	1:216:A:LEU:HB2	11	0.55
(3,1322)	1:216:B:LEU:HD12	1:216:A:LEU:HB2	13	0.55
(3,1321)	1:216:A:LEU:HD13	1:216:B:LEU:HB2	11	0.55
(3,1321)	1:216:A:LEU:HD13	1:216:B:LEU:HB2	20	0.55
(3,1298)	1:269:B:LEU:HD22	1:273:B:GLN:HE22	3	0.55
(3,1297)	1:269:A:LEU:HD22	1:273:A:GLN:HE22	3	0.55
(3,1272)	1:217:B:GLN:HA	1:220:B:ILE:HG23	11	0.55
(3,1250)	1:220:B:ILE:HG22	1:220:B:ILE:HG13	9	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1250)	1:220:B:ILE:HG22	1:220:B:ILE:HG13	12	0.55
(3,1249)	1:220:A:ILE:HG22	1:220:A:ILE:HG13	1	0.55
(3,1249)	1:220:A:ILE:HG21	1:220:A:ILE:HG13	3	0.55
(3,1249)	1:220:A:ILE:HG21	1:220:A:ILE:HG13	5	0.55
(3,1249)	1:220:A:ILE:HG22	1:220:A:ILE:HG13	12	0.55
(3,1102)	1:237:B:VAL:HG22	1:241:A:LEU:HD23	2	0.55
(3,1102)	1:237:B:VAL:HG23	1:241:A:LEU:HD21	20	0.55
(3,1055)	1:246:A:ASP:HA	1:249:A:VAL:HG12	9	0.55
(3,973)	1:238:A:GLN:HG3	1:238:A:GLN:HA	2	0.55
(3,973)	1:238:A:GLN:HG3	1:238:A:GLN:HA	17	0.55
(3,887)	1:266:A:GLN:HG3	1:266:A:GLN:H	16	0.55
(3,713)	1:239:A:GLU:HG3	1:243:A:ARG:HG3	17	0.55
(3,559)	1:257:A:THR:HG22	1:261:A:GLU:HG2	14	0.55
(3,516)	1:247:B:ASP:HB2	1:251:B:MET:HE3	8	0.55
(3,515)	1:247:A:ASP:HB2	1:251:A:MET:HE3	8	0.55
(3,515)	1:247:A:ASP:HB2	1:251:A:MET:HE3	10	0.55
(3,179)	1:255:A:PHE:HE1	1:258:B:LEU:HD23	7	0.55
(1,2286)	1:227:B:ALA:HB1	1:227:B:ALA:H	13	0.55
(1,2286)	1:227:B:ALA:HB3	1:227:B:ALA:H	17	0.55
(1,2285)	1:227:A:ALA:HB1	1:227:A:ALA:H	13	0.55
(1,2285)	1:227:A:ALA:HB3	1:227:A:ALA:H	17	0.55
(1,2232)	1:216:B:LEU:HD11	1:220:A:ILE:HA	14	0.55
(1,1960)	1:256:B:GLU:HG3	1:252:B:LYS:HE3	19	0.55
(1,1736)	1:259:B:ARG:HD2	1:260:B:THR:HG23	18	0.55
(1,1735)	1:259:A:ARG:HD2	1:260:A:THR:HG23	18	0.55
(1,1622)	1:271:B:ARG:HD2	1:267:B:GLN:HB3	9	0.55
(1,1578)	1:216:B:LEU:HD23	1:213:A:ASN:HA	10	0.55
(1,1555)	1:223:A:LEU:HD23	1:223:B:LEU:HB3	11	0.55
(1,1555)	1:223:A:LEU:HD23	1:223:B:LEU:HB3	17	0.55
(1,1534)	1:223:B:LEU:HD21	1:231:A:GLN:H	5	0.55
(1,1534)	1:223:B:LEU:HD21	1:231:A:GLN:H	13	0.55
(1,1430)	1:258:B:LEU:HD21	1:266:A:GLN:HG2	15	0.55
(1,1421)	1:258:A:LEU:HD21	1:255:B:PHE:HB2	10	0.55
(1,1364)	1:214:B:GLU:HG2	1:210:B:LEU:HD12	2	0.55
(1,1364)	1:214:B:GLU:HG2	1:210:B:LEU:HD13	16	0.55
(1,1329)	1:214:A:GLU:HG2	1:210:A:LEU:HD12	13	0.55
(1,1328)	1:210:B:LEU:HD12	1:210:B:LEU:HB2	8	0.55
(1,1327)	1:210:A:LEU:HD13	1:210:A:LEU:HG	8	0.55
(1,1298)	1:216:B:LEU:HD12	1:213:A:ASN:HD21	9	0.55
(1,1296)	1:216:B:LEU:HD12	1:218:A:GLN:H	19	0.55
(1,1176)	1:244:B:ILE:HG23	1:243:B:ARG:HB2	14	0.55
(1,1175)	1:244:A:ILE:HG23	1:243:A:ARG:HB2	14	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1169)	1:225:A:VAL:HG21	1:228:A:LYS:HB2	19	0.55
(1,1123)	1:237:A:VAL:HG11	1:235:A:GLU:HB2	1	0.55
(1,1111)	1:249:A:VAL:HG11	1:250:A:LYS:HG3	9	0.55
(1,876)	1:212:B:GLU:HA	1:208:B:ARG:HG2	17	0.55
(1,542)	1:251:B:MET:HE2	1:248:B:PHE:HB2	5	0.55
(1,413)	1:234:A:ASN:HA	1:237:B:VAL:HG11	4	0.55
(1,354)	1:227:B:ALA:HA	1:230:B:LEU:HD22	2	0.55
(1,354)	1:227:B:ALA:HA	1:230:B:LEU:HD23	8	0.55
(1,353)	1:227:A:ALA:HA	1:230:A:LEU:HD22	2	0.55
(1,353)	1:227:A:ALA:HA	1:230:A:LEU:HD23	8	0.55
(1,205)	1:258:A:LEU:HD11	1:260:B:THR:HG22	16	0.55
(1,38)	1:210:B:LEU:HD23	1:209:A:LEU:HB3	12	0.55
(3,2032)	1:265:B:ALA:HB1	1:265:B:ALA:H	2	0.54
(3,2032)	1:265:B:ALA:HB3	1:265:B:ALA:H	3	0.54
(3,2032)	1:265:B:ALA:HB2	1:265:B:ALA:H	10	0.54
(3,2032)	1:265:B:ALA:HB3	1:265:B:ALA:H	12	0.54
(3,2032)	1:265:B:ALA:HB3	1:265:B:ALA:H	13	0.54
(3,2031)	1:265:A:ALA:HB2	1:265:A:ALA:H	10	0.54
(3,2031)	1:265:A:ALA:HB3	1:265:A:ALA:H	12	0.54
(3,2031)	1:265:A:ALA:HB3	1:265:A:ALA:H	13	0.54
(3,1648)	1:243:B:ARG:HG2	1:242:B:ASP:HB3	14	0.54
(3,1430)	1:241:B:LEU:HD23	1:237:A:VAL:HG22	2	0.54
(3,1429)	1:241:A:LEU:HD21	1:237:B:VAL:HG23	20	0.54
(3,1322)	1:216:B:LEU:HD12	1:216:A:LEU:HB2	4	0.54
(3,1322)	1:216:B:LEU:HD11	1:216:A:LEU:HB2	14	0.54
(3,1321)	1:216:A:LEU:HD11	1:216:B:LEU:HB2	14	0.54
(3,1298)	1:269:B:LEU:HD22	1:273:B:GLN:HE22	13	0.54
(3,1250)	1:220:B:ILE:HG22	1:220:B:ILE:HG13	2	0.54
(3,1250)	1:220:B:ILE:HG21	1:220:B:ILE:HG13	3	0.54
(3,1250)	1:220:B:ILE:HG21	1:220:B:ILE:HG13	5	0.54
(3,1250)	1:220:B:ILE:HG22	1:220:B:ILE:HG13	7	0.54
(3,1250)	1:220:B:ILE:HG21	1:220:B:ILE:HG13	11	0.54
(3,1250)	1:220:B:ILE:HG22	1:220:B:ILE:HG13	17	0.54
(3,1250)	1:220:B:ILE:HG21	1:220:B:ILE:HG13	18	0.54
(3,1250)	1:220:B:ILE:HG22	1:220:B:ILE:HG13	19	0.54
(3,1250)	1:220:B:ILE:HG21	1:220:B:ILE:HG13	20	0.54
(3,1249)	1:220:A:ILE:HG22	1:220:A:ILE:HG13	2	0.54
(3,1249)	1:220:A:ILE:HG22	1:220:A:ILE:HG13	6	0.54
(3,1249)	1:220:A:ILE:HG22	1:220:A:ILE:HG13	7	0.54
(3,1249)	1:220:A:ILE:HG21	1:220:A:ILE:HG13	11	0.54
(3,1249)	1:220:A:ILE:HG22	1:220:A:ILE:HG13	15	0.54
(3,1249)	1:220:A:ILE:HG22	1:220:A:ILE:HG13	17	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1249)	1:220:A:ILE:HG21	1:220:A:ILE:HG13	18	0.54
(3,1249)	1:220:A:ILE:HG22	1:220:A:ILE:HG13	19	0.54
(3,1249)	1:220:A:ILE:HG21	1:220:A:ILE:HG13	20	0.54
(3,1174)	1:222:B:SER:HA	1:225:B:VAL:HG23	1	0.54
(3,1173)	1:222:A:SER:HA	1:225:A:VAL:HG23	1	0.54
(3,1167)	1:225:A:VAL:HG23	1:221:A:ASN:HD21	11	0.54
(3,1101)	1:237:A:VAL:HG22	1:241:B:LEU:HD23	2	0.54
(3,1056)	1:246:B:ASP:HA	1:249:B:VAL:HG13	7	0.54
(3,1055)	1:246:A:ASP:HA	1:249:A:VAL:HG13	7	0.54
(3,974)	1:238:B:GLN:HG3	1:238:B:GLN:HA	2	0.54
(3,974)	1:238:B:GLN:HG3	1:238:B:GLN:HA	7	0.54
(3,974)	1:238:B:GLN:HG3	1:238:B:GLN:HA	17	0.54
(3,973)	1:238:A:GLN:HG3	1:238:A:GLN:HA	7	0.54
(3,888)	1:266:B:GLN:HG3	1:266:B:GLN:H	3	0.54
(3,887)	1:266:A:GLN:HG3	1:266:A:GLN:H	3	0.54
(3,560)	1:257:B:THR:HG22	1:261:B:GLU:HG2	14	0.54
(3,180)	1:255:B:PHE:HE1	1:258:A:LEU:HD23	7	0.54
(1,2286)	1:227:B:ALA:HB3	1:227:B:ALA:H	4	0.54
(1,2285)	1:227:A:ALA:HB3	1:227:A:ALA:H	4	0.54
(1,2283)	1:265:A:ALA:H	1:267:A:GLN:HG3	8	0.54
(1,2232)	1:216:B:LEU:HD13	1:220:A:ILE:HA	20	0.54
(1,2209)	1:216:A:LEU:HB2	1:216:A:LEU:HD12	8	0.54
(1,1810)	1:243:B:ARG:HD3	1:241:B:LEU:HB3	11	0.54
(1,1809)	1:243:A:ARG:HD3	1:241:A:LEU:HB3	11	0.54
(1,1621)	1:271:A:ARG:HD2	1:267:A:GLN:HB3	9	0.54
(1,1556)	1:223:B:LEU:HD21	1:223:A:LEU:HB3	1	0.54
(1,1556)	1:223:B:LEU:HD22	1:223:A:LEU:HB3	4	0.54
(1,1556)	1:223:B:LEU:HD22	1:223:A:LEU:HB3	6	0.54
(1,1556)	1:223:B:LEU:HD23	1:223:A:LEU:HB3	17	0.54
(1,1556)	1:223:B:LEU:HD21	1:223:A:LEU:HB3	20	0.54
(1,1555)	1:223:A:LEU:HD22	1:223:B:LEU:HB3	4	0.54
(1,1555)	1:223:A:LEU:HD21	1:223:B:LEU:HB3	10	0.54
(1,1533)	1:223:A:LEU:HD21	1:231:B:GLN:H	5	0.54
(1,1533)	1:223:A:LEU:HD23	1:231:B:GLN:H	20	0.54
(1,1419)	1:258:A:LEU:HD21	1:255:B:PHE:HD2	4	0.54
(1,1417)	1:258:A:LEU:HD21	1:255:B:PHE:HE1	17	0.54
(1,1363)	1:214:A:GLU:HG2	1:210:A:LEU:HD13	16	0.54
(1,1336)	1:269:B:LEU:HD11	1:268:A:LYS:HB2	1	0.54
(1,1330)	1:214:B:GLU:HG2	1:210:B:LEU:HD12	13	0.54
(1,1314)	1:269:B:LEU:HG	1:270:B:ARG:HE	13	0.54
(1,1313)	1:269:A:LEU:HG	1:270:A:ARG:HE	13	0.54
(1,1299)	1:258:A:LEU:HD12	1:255:B:PHE:HZ	3	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1169)	1:225:A:VAL:HG23	1:228:A:LYS:HB2	20	0.54
(1,1123)	1:237:A:VAL:HG12	1:235:A:GLU:HB2	16	0.54
(1,1022)	1:266:B:GLN:HG3	1:262:B:LEU:HD11	1	0.54
(1,1022)	1:266:B:GLN:HG3	1:262:B:LEU:HD11	15	0.54
(1,1021)	1:266:A:GLN:HG3	1:262:A:LEU:HD11	1	0.54
(1,1021)	1:266:A:GLN:HG3	1:262:A:LEU:HD11	15	0.54
(1,966)	1:217:B:GLN:HG2	1:220:B:ILE:HA	18	0.54
(1,965)	1:217:A:GLN:HG2	1:220:A:ILE:HA	18	0.54
(1,947)	1:273:A:GLN:HA	1:269:A:LEU:HD22	3	0.54
(1,876)	1:212:B:GLU:HA	1:208:B:ARG:HG2	7	0.54
(1,875)	1:212:A:GLU:HA	1:208:A:ARG:HG2	7	0.54
(1,872)	1:262:B:LEU:HA	1:262:B:LEU:HD13	16	0.54
(1,871)	1:262:A:LEU:HA	1:262:A:LEU:HD13	16	0.54
(1,552)	1:251:B:MET:HG3	1:255:B:PHE:HB2	16	0.54
(1,551)	1:251:A:MET:HG3	1:255:A:PHE:HB2	16	0.54
(1,414)	1:234:B:ASN:HA	1:237:A:VAL:HG11	4	0.54
(1,353)	1:227:A:ALA:HA	1:230:A:LEU:HD22	7	0.54
(1,206)	1:258:B:LEU:HD11	1:260:A:THR:HG21	4	0.54
(1,204)	1:255:B:PHE:HZ	1:259:B:ARG:HG2	7	0.54
(1,203)	1:255:A:PHE:HZ	1:259:A:ARG:HG2	7	0.54
(1,201)	1:255:A:PHE:HZ	1:258:B:LEU:HB3	8	0.54
(1,72)	1:255:B:PHE:HD2	1:251:A:MET:HE3	1	0.54
(3,2031)	1:265:A:ALA:HB2	1:265:A:ALA:H	7	0.53
(3,1958)	1:269:B:LEU:HD11	1:265:A:ALA:HB2	16	0.53
(3,1957)	1:269:A:LEU:HD11	1:265:B:ALA:HB2	16	0.53
(3,1448)	1:241:B:LEU:HD21	1:240:A:ARG:HD2	12	0.53
(3,1447)	1:241:A:LEU:HD21	1:240:B:ARG:HD2	12	0.53
(3,1430)	1:241:B:LEU:HD22	1:237:A:VAL:HG21	11	0.53
(3,1429)	1:241:A:LEU:HD22	1:237:B:VAL:HG21	11	0.53
(3,1250)	1:220:B:ILE:HG23	1:220:B:ILE:HG13	4	0.53
(3,1250)	1:220:B:ILE:HG22	1:220:B:ILE:HG13	6	0.53
(3,1250)	1:220:B:ILE:HG22	1:220:B:ILE:HG13	14	0.53
(3,1250)	1:220:B:ILE:HG22	1:220:B:ILE:HG13	15	0.53
(3,1250)	1:220:B:ILE:HG23	1:220:B:ILE:HG13	16	0.53
(3,1249)	1:220:A:ILE:HG23	1:220:A:ILE:HG13	4	0.53
(3,1249)	1:220:A:ILE:HG22	1:220:A:ILE:HG13	14	0.53
(3,1249)	1:220:A:ILE:HG23	1:220:A:ILE:HG13	16	0.53
(3,1180)	1:225:B:VAL:HB	1:225:B:VAL:HG13	1	0.53
(3,1180)	1:225:B:VAL:HB	1:225:B:VAL:HG12	5	0.53
(3,1180)	1:225:B:VAL:HB	1:225:B:VAL:HG11	16	0.53
(3,1180)	1:225:B:VAL:HB	1:225:B:VAL:HG13	17	0.53
(3,1179)	1:225:A:VAL:HB	1:225:A:VAL:HG12	5	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1179)	1:225:A:VAL:HB	1:225:A:VAL:HG11	16	0.53
(3,1179)	1:225:A:VAL:HB	1:225:A:VAL:HG13	17	0.53
(3,1179)	1:225:A:VAL:HB	1:225:A:VAL:HG13	20	0.53
(3,1168)	1:225:B:VAL:HG23	1:221:B:ASN:HD21	11	0.53
(3,1102)	1:237:B:VAL:HG21	1:241:A:LEU:HD22	11	0.53
(3,1101)	1:237:A:VAL:HG21	1:241:B:LEU:HD22	11	0.53
(3,236)	1:244:B:ILE:HG21	1:244:A:ILE:HD13	13	0.53
(3,235)	1:244:A:ILE:HG21	1:244:B:ILE:HD13	10	0.53
(3,235)	1:244:A:ILE:HG22	1:244:B:ILE:HD13	20	0.53
(1,2286)	1:227:B:ALA:HB2	1:227:B:ALA:H	2	0.53
(1,2286)	1:227:B:ALA:HB1	1:227:B:ALA:H	8	0.53
(1,2285)	1:227:A:ALA:HB2	1:227:A:ALA:H	2	0.53
(1,2285)	1:227:A:ALA:HB1	1:227:A:ALA:H	8	0.53
(1,2284)	1:265:B:ALA:H	1:267:B:GLN:HG3	8	0.53
(1,2284)	1:265:B:ALA:H	1:267:B:GLN:HG3	14	0.53
(1,2283)	1:265:A:ALA:H	1:267:A:GLN:HG3	14	0.53
(1,2231)	1:216:A:LEU:HD11	1:220:B:ILE:HA	14	0.53
(1,2220)	1:255:B:PHE:HA	1:258:B:LEU:HD21	6	0.53
(1,2219)	1:255:A:PHE:HA	1:258:A:LEU:HD21	6	0.53
(1,2210)	1:216:B:LEU:HB2	1:216:B:LEU:HD12	8	0.53
(1,2086)	1:228:B:LYS:HE3	1:225:B:VAL:HG23	2	0.53
(1,2085)	1:228:A:LYS:HE3	1:225:A:VAL:HG23	2	0.53
(1,1960)	1:252:B:LYS:HE2	1:247:A:ASP:HB2	1	0.53
(1,1580)	1:216:B:LEU:HD21	1:213:A:ASN:HB2	3	0.53
(1,1556)	1:223:B:LEU:HD22	1:223:A:LEU:HB3	5	0.53
(1,1556)	1:223:B:LEU:HD21	1:223:A:LEU:HB3	10	0.53
(1,1556)	1:223:B:LEU:HD22	1:223:A:LEU:HB3	13	0.53
(1,1556)	1:223:B:LEU:HD22	1:223:A:LEU:HB3	18	0.53
(1,1555)	1:223:A:LEU:HD22	1:223:B:LEU:HB3	6	0.53
(1,1555)	1:223:A:LEU:HD21	1:223:B:LEU:HB3	7	0.53
(1,1555)	1:223:A:LEU:HD23	1:223:B:LEU:HB3	8	0.53
(1,1555)	1:223:A:LEU:HD21	1:223:B:LEU:HB3	14	0.53
(1,1555)	1:223:A:LEU:HD22	1:223:B:LEU:HB3	16	0.53
(1,1555)	1:223:A:LEU:HD22	1:223:B:LEU:HB3	18	0.53
(1,1534)	1:223:B:LEU:HD22	1:231:A:GLN:H	17	0.53
(1,1534)	1:223:B:LEU:HD23	1:231:A:GLN:H	20	0.53
(1,1533)	1:223:A:LEU:HD22	1:231:B:GLN:H	17	0.53
(1,1429)	1:258:A:LEU:HD22	1:266:B:GLN:HG2	6	0.53
(1,1418)	1:258:B:LEU:HD21	1:255:A:PHE:HE1	17	0.53
(1,1336)	1:269:B:LEU:HD11	1:268:A:LYS:HB2	7	0.53
(1,1328)	1:262:B:LEU:HD23	1:262:B:LEU:HG	4	0.53
(1,1327)	1:262:A:LEU:HD23	1:262:A:LEU:HG	4	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1296)	1:262:B:LEU:HD21	1:265:A:ALA:H	8	0.53
(1,1295)	1:262:A:LEU:HD21	1:265:B:ALA:H	8	0.53
(1,1295)	1:216:A:LEU:HD13	1:218:B:GLN:H	9	0.53
(1,1295)	1:216:A:LEU:HD12	1:218:B:GLN:H	19	0.53
(1,1232)	1:220:B:ILE:HG23	1:220:A:ILE:HG12	1	0.53
(1,1232)	1:220:B:ILE:HG23	1:220:A:ILE:HG12	19	0.53
(1,1179)	1:245:A:THR:HG21	1:244:A:ILE:HG23	10	0.53
(1,1176)	1:244:B:ILE:HG21	1:243:B:ARG:HB2	4	0.53
(1,1175)	1:244:A:ILE:HG21	1:243:A:ARG:HB2	4	0.53
(1,1124)	1:237:B:VAL:HG12	1:235:B:GLU:HB2	9	0.53
(1,1124)	1:237:B:VAL:HG12	1:235:B:GLU:HB2	16	0.53
(1,1123)	1:237:A:VAL:HG12	1:235:A:GLU:HB2	9	0.53
(1,1022)	1:266:B:GLN:HG3	1:262:B:LEU:HD11	18	0.53
(1,1021)	1:266:A:GLN:HG3	1:262:A:LEU:HD11	18	0.53
(1,768)	1:256:B:GLU:HG3	1:252:B:LYS:HG3	15	0.53
(1,767)	1:256:A:GLU:HG3	1:252:A:LYS:HG3	15	0.53
(1,626)	1:214:B:GLU:HG2	1:210:B:LEU:HD11	15	0.53
(1,625)	1:214:A:GLU:HG2	1:210:A:LEU:HD11	15	0.53
(1,354)	1:227:B:ALA:HA	1:230:B:LEU:HD22	7	0.53
(1,202)	1:255:B:PHE:HZ	1:258:A:LEU:HB3	8	0.53
(3,2032)	1:265:B:ALA:HB1	1:265:B:ALA:H	5	0.52
(3,2032)	1:265:B:ALA:HB1	1:265:B:ALA:H	6	0.52
(3,2032)	1:265:B:ALA:HB2	1:265:B:ALA:H	7	0.52
(3,2032)	1:265:B:ALA:HB3	1:265:B:ALA:H	8	0.52
(3,2032)	1:265:B:ALA:HB1	1:265:B:ALA:H	11	0.52
(3,2032)	1:265:B:ALA:HB2	1:265:B:ALA:H	18	0.52
(3,2032)	1:265:B:ALA:HB2	1:265:B:ALA:H	20	0.52
(3,2031)	1:265:A:ALA:HB2	1:265:A:ALA:H	1	0.52
(3,2031)	1:265:A:ALA:HB1	1:265:A:ALA:H	5	0.52
(3,2031)	1:265:A:ALA:HB1	1:265:A:ALA:H	6	0.52
(3,2031)	1:265:A:ALA:HB3	1:265:A:ALA:H	8	0.52
(3,2031)	1:265:A:ALA:HB1	1:265:A:ALA:H	11	0.52
(3,2031)	1:265:A:ALA:HB2	1:265:A:ALA:H	18	0.52
(3,2031)	1:265:A:ALA:HB2	1:265:A:ALA:H	20	0.52
(3,1958)	1:269:B:LEU:HD11	1:265:A:ALA:HB1	13	0.52
(3,1958)	1:269:B:LEU:HD12	1:265:A:ALA:HB3	15	0.52
(3,1958)	1:269:B:LEU:HD11	1:265:A:ALA:HB1	17	0.52
(3,1958)	1:269:B:LEU:HD12	1:265:A:ALA:HB3	18	0.52
(3,1958)	1:269:B:LEU:HD13	1:265:A:ALA:HB3	19	0.52
(3,1957)	1:269:A:LEU:HD11	1:265:B:ALA:HB1	17	0.52
(3,1647)	1:243:A:ARG:HG2	1:242:A:ASP:HB3	14	0.52
(3,1447)	1:241:A:LEU:HD23	1:240:B:ARG:HD2	18	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1430)	1:241:B:LEU:HD22	1:237:A:VAL:HG21	10	0.52
(3,1430)	1:241:B:LEU:HD21	1:237:A:VAL:HG23	14	0.52
(3,1430)	1:241:B:LEU:HD23	1:237:A:VAL:HG22	15	0.52
(3,1430)	1:241:B:LEU:HD21	1:237:A:VAL:HG23	20	0.52
(3,1429)	1:241:A:LEU:HD23	1:237:B:VAL:HG22	3	0.52
(3,1429)	1:241:A:LEU:HD21	1:237:B:VAL:HG23	14	0.52
(3,1306)	1:258:B:LEU:HD13	1:254:B:ASN:HD21	1	0.52
(3,1305)	1:258:A:LEU:HD13	1:254:A:ASN:HD21	1	0.52
(3,1297)	1:269:A:LEU:HD22	1:273:A:GLN:HE22	13	0.52
(3,1250)	1:220:B:ILE:HG23	1:220:B:ILE:HG13	8	0.52
(3,1250)	1:220:B:ILE:HG21	1:220:B:ILE:HG13	10	0.52
(3,1249)	1:220:A:ILE:HG23	1:220:A:ILE:HG13	8	0.52
(3,1249)	1:220:A:ILE:HG21	1:220:A:ILE:HG13	10	0.52
(3,1192)	1:247:B:ASP:HB3	1:244:B:ILE:HA	18	0.52
(3,1191)	1:247:A:ASP:HB3	1:244:A:ILE:HA	18	0.52
(3,1180)	1:225:B:VAL:HB	1:225:B:VAL:HG12	2	0.52
(3,1180)	1:225:B:VAL:HB	1:225:B:VAL:HG12	4	0.52
(3,1180)	1:225:B:VAL:HB	1:225:B:VAL:HG13	6	0.52
(3,1180)	1:225:B:VAL:HB	1:225:B:VAL:HG11	8	0.52
(3,1180)	1:225:B:VAL:HB	1:225:B:VAL:HG11	9	0.52
(3,1180)	1:225:B:VAL:HB	1:225:B:VAL:HG12	10	0.52
(3,1180)	1:225:B:VAL:HB	1:225:B:VAL:HG12	11	0.52
(3,1180)	1:225:B:VAL:HB	1:225:B:VAL:HG11	12	0.52
(3,1180)	1:225:B:VAL:HB	1:225:B:VAL:HG11	13	0.52
(3,1180)	1:225:B:VAL:HB	1:225:B:VAL:HG13	15	0.52
(3,1180)	1:225:B:VAL:HB	1:225:B:VAL:HG13	18	0.52
(3,1180)	1:225:B:VAL:HB	1:225:B:VAL:HG13	20	0.52
(3,1179)	1:225:A:VAL:HB	1:225:A:VAL:HG13	1	0.52
(3,1179)	1:225:A:VAL:HB	1:225:A:VAL:HG12	2	0.52
(3,1179)	1:225:A:VAL:HB	1:225:A:VAL:HG11	3	0.52
(3,1179)	1:225:A:VAL:HB	1:225:A:VAL:HG12	4	0.52
(3,1179)	1:225:A:VAL:HB	1:225:A:VAL:HG13	6	0.52
(3,1179)	1:225:A:VAL:HB	1:225:A:VAL:HG11	8	0.52
(3,1179)	1:225:A:VAL:HB	1:225:A:VAL:HG11	9	0.52
(3,1179)	1:225:A:VAL:HB	1:225:A:VAL:HG12	10	0.52
(3,1179)	1:225:A:VAL:HB	1:225:A:VAL:HG12	11	0.52
(3,1179)	1:225:A:VAL:HB	1:225:A:VAL:HG11	12	0.52
(3,1179)	1:225:A:VAL:HB	1:225:A:VAL:HG11	13	0.52
(3,1179)	1:225:A:VAL:HB	1:225:A:VAL:HG13	15	0.52
(3,1179)	1:225:A:VAL:HB	1:225:A:VAL:HG13	18	0.52
(3,1179)	1:225:A:VAL:HB	1:225:A:VAL:HG12	19	0.52
(3,1102)	1:237:B:VAL:HG22	1:241:A:LEU:HD23	3	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1102)	1:237:B:VAL:HG23	1:241:A:LEU:HD21	6	0.52
(3,1102)	1:237:B:VAL:HG23	1:241:A:LEU:HD21	14	0.52
(3,1101)	1:237:A:VAL:HG21	1:241:B:LEU:HD22	10	0.52
(3,1101)	1:237:A:VAL:HG23	1:241:B:LEU:HD21	14	0.52
(3,1101)	1:237:A:VAL:HG22	1:241:B:LEU:HD23	15	0.52
(3,1101)	1:237:A:VAL:HG23	1:241:B:LEU:HD21	20	0.52
(3,1068)	1:222:B:SER:HA	1:225:B:VAL:HG12	3	0.52
(3,236)	1:244:B:ILE:HG22	1:244:A:ILE:HD12	1	0.52
(3,236)	1:244:B:ILE:HG21	1:244:A:ILE:HD13	10	0.52
(3,236)	1:244:B:ILE:HG22	1:244:A:ILE:HD13	20	0.52
(3,235)	1:244:A:ILE:HG22	1:244:B:ILE:HD12	1	0.52
(3,235)	1:244:A:ILE:HG21	1:244:B:ILE:HD13	13	0.52
(1,2286)	1:227:B:ALA:HB3	1:227:B:ALA:H	3	0.52
(1,2285)	1:227:A:ALA:HB3	1:227:A:ALA:H	3	0.52
(1,2223)	1:252:A:LYS:HE2	1:248:A:PHE:HA	14	0.52
(1,2120)	1:219:B:LYS:HE2	1:216:A:LEU:HD21	9	0.52
(1,2119)	1:219:A:LYS:HE2	1:216:B:LEU:HD21	9	0.52
(1,2086)	1:228:B:LYS:HE2	1:225:B:VAL:HG21	7	0.52
(1,2085)	1:228:A:LYS:HE2	1:225:A:VAL:HG21	7	0.52
(1,1868)	1:240:B:ARG:HG2	1:241:A:LEU:HD23	2	0.52
(1,1650)	1:267:B:GLN:HB3	1:271:B:ARG:HG3	6	0.52
(1,1649)	1:267:A:GLN:HB3	1:271:A:ARG:HG3	6	0.52
(1,1578)	1:216:B:LEU:HD21	1:213:A:ASN:HA	4	0.52
(1,1577)	1:216:A:LEU:HD21	1:213:B:ASN:HA	4	0.52
(1,1556)	1:223:B:LEU:HD23	1:223:A:LEU:HB3	2	0.52
(1,1556)	1:223:B:LEU:HD23	1:223:A:LEU:HB3	3	0.52
(1,1556)	1:223:B:LEU:HD23	1:223:A:LEU:HB3	8	0.52
(1,1556)	1:223:B:LEU:HD21	1:223:A:LEU:HB3	9	0.52
(1,1556)	1:223:B:LEU:HD21	1:223:A:LEU:HB3	14	0.52
(1,1556)	1:223:B:LEU:HD22	1:223:A:LEU:HB3	16	0.52
(1,1555)	1:223:A:LEU:HD21	1:223:B:LEU:HB3	1	0.52
(1,1555)	1:223:A:LEU:HD23	1:223:B:LEU:HB3	2	0.52
(1,1555)	1:223:A:LEU:HD22	1:223:B:LEU:HB3	5	0.52
(1,1555)	1:223:A:LEU:HD22	1:223:B:LEU:HB3	13	0.52
(1,1548)	1:223:B:LEU:HD11	1:220:A:ILE:HG12	8	0.52
(1,1547)	1:223:A:LEU:HD11	1:220:B:ILE:HG12	8	0.52
(1,1533)	1:223:A:LEU:HD21	1:231:B:GLN:H	4	0.52
(1,1436)	1:258:B:LEU:HD13	1:258:B:LEU:HB3	1	0.52
(1,1436)	1:258:B:LEU:HD12	1:258:B:LEU:HB3	19	0.52
(1,1430)	1:258:B:LEU:HD22	1:266:A:GLN:HG2	6	0.52
(1,1429)	1:258:A:LEU:HD21	1:266:B:GLN:HG2	18	0.52
(1,1422)	1:258:B:LEU:HD21	1:255:A:PHE:HB2	10	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1366)	1:212:B:GLU:HB3	1:216:B:LEU:HD12	20	0.52
(1,1355)	1:269:A:LEU:HD11	1:268:B:LYS:HE3	19	0.52
(1,1314)	1:269:B:LEU:HG	1:270:B:ARG:HE	4	0.52
(1,1296)	1:216:B:LEU:HD13	1:218:A:GLN:H	9	0.52
(1,1232)	1:220:B:ILE:HG23	1:220:A:ILE:HG12	14	0.52
(1,1231)	1:220:A:ILE:HG23	1:220:B:ILE:HG12	1	0.52
(1,1231)	1:220:A:ILE:HG23	1:220:B:ILE:HG12	14	0.52
(1,1231)	1:220:A:ILE:HG23	1:220:B:ILE:HG12	19	0.52
(1,1180)	1:245:B:THR:HG21	1:244:B:ILE:HG23	10	0.52
(1,1170)	1:225:B:VAL:HG23	1:228:B:LYS:HB2	20	0.52
(1,876)	1:212:B:GLU:HA	1:208:B:ARG:HG2	18	0.52
(1,875)	1:212:A:GLU:HA	1:208:A:ARG:HG2	18	0.52
(1,623)	1:264:A:GLU:HG3	1:268:A:LYS:HD2	8	0.52
(1,609)	1:245:A:THR:HG21	1:240:B:ARG:HD2	5	0.52
(1,571)	1:257:A:THR:HG23	1:254:A:ASN:HD22	6	0.52
(1,542)	1:251:B:MET:HE3	1:248:B:PHE:HB2	6	0.52
(1,206)	1:258:B:LEU:HD11	1:260:A:THR:HG21	11	0.52
(1,202)	1:255:B:PHE:HZ	1:251:A:MET:HE1	5	0.52
(1,201)	1:255:A:PHE:HZ	1:251:B:MET:HE1	5	0.52
(1,71)	1:255:A:PHE:HD2	1:251:B:MET:HE3	1	0.52
(3,2506)	1:244:B:ILE:HG12	1:244:B:ILE:H	14	0.51
(3,2505)	1:244:A:ILE:HG12	1:244:A:ILE:H	14	0.51
(3,2032)	1:265:B:ALA:HB2	1:265:B:ALA:H	1	0.51
(3,2032)	1:265:B:ALA:HB2	1:265:B:ALA:H	19	0.51
(3,2031)	1:265:A:ALA:HB2	1:265:A:ALA:H	19	0.51
(3,1958)	1:269:B:LEU:HD11	1:265:A:ALA:HB3	1	0.51
(3,1958)	1:269:B:LEU:HD11	1:265:A:ALA:HB2	2	0.51
(3,1958)	1:269:B:LEU:HD11	1:265:A:ALA:HB1	3	0.51
(3,1958)	1:269:B:LEU:HD11	1:265:A:ALA:HB1	4	0.51
(3,1958)	1:269:B:LEU:HD12	1:265:A:ALA:HB2	5	0.51
(3,1958)	1:269:B:LEU:HD11	1:265:A:ALA:HB2	6	0.51
(3,1958)	1:269:B:LEU:HD11	1:265:A:ALA:HB3	7	0.51
(3,1958)	1:269:B:LEU:HD13	1:265:A:ALA:HB1	8	0.51
(3,1958)	1:269:B:LEU:HD11	1:265:A:ALA:HB3	9	0.51
(3,1958)	1:269:B:LEU:HD11	1:265:A:ALA:HB3	10	0.51
(3,1958)	1:269:B:LEU:HD13	1:265:A:ALA:HB2	11	0.51
(3,1958)	1:269:B:LEU:HD11	1:265:A:ALA:HB1	12	0.51
(3,1958)	1:269:B:LEU:HD11	1:265:A:ALA:HB3	20	0.51
(3,1957)	1:269:A:LEU:HD11	1:265:B:ALA:HB3	1	0.51
(3,1957)	1:269:A:LEU:HD11	1:265:B:ALA:HB2	2	0.51
(3,1957)	1:269:A:LEU:HD11	1:265:B:ALA:HB1	3	0.51
(3,1957)	1:269:A:LEU:HD11	1:265:B:ALA:HB1	4	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1957)	1:269:A:LEU:HD12	1:265:B:ALA:HB2	5	0.51
(3,1957)	1:269:A:LEU:HD11	1:265:B:ALA:HB2	6	0.51
(3,1957)	1:269:A:LEU:HD11	1:265:B:ALA:HB3	7	0.51
(3,1957)	1:269:A:LEU:HD13	1:265:B:ALA:HB1	8	0.51
(3,1957)	1:269:A:LEU:HD11	1:265:B:ALA:HB3	9	0.51
(3,1957)	1:269:A:LEU:HD11	1:265:B:ALA:HB3	10	0.51
(3,1957)	1:269:A:LEU:HD13	1:265:B:ALA:HB2	11	0.51
(3,1957)	1:269:A:LEU:HD11	1:265:B:ALA:HB1	12	0.51
(3,1957)	1:269:A:LEU:HD11	1:265:B:ALA:HB1	13	0.51
(3,1957)	1:269:A:LEU:HD13	1:265:B:ALA:HB3	14	0.51
(3,1957)	1:269:A:LEU:HD12	1:265:B:ALA:HB3	15	0.51
(3,1957)	1:269:A:LEU:HD12	1:265:B:ALA:HB3	18	0.51
(3,1957)	1:269:A:LEU:HD13	1:265:B:ALA:HB3	19	0.51
(3,1957)	1:269:A:LEU:HD11	1:265:B:ALA:HB3	20	0.51
(3,1448)	1:241:B:LEU:HD23	1:240:A:ARG:HD2	18	0.51
(3,1430)	1:241:B:LEU:HD21	1:237:A:VAL:HG23	6	0.51
(3,1430)	1:241:B:LEU:HD22	1:237:A:VAL:HG23	13	0.51
(3,1429)	1:241:A:LEU:HD22	1:237:B:VAL:HG21	5	0.51
(3,1429)	1:241:A:LEU:HD21	1:237:B:VAL:HG23	6	0.51
(3,1429)	1:241:A:LEU:HD22	1:237:B:VAL:HG21	10	0.51
(3,1429)	1:241:A:LEU:HD23	1:237:B:VAL:HG22	15	0.51
(3,1324)	1:266:B:GLN:HG3	1:262:B:LEU:HD13	9	0.51
(3,1180)	1:225:B:VAL:HB	1:225:B:VAL:HG11	3	0.51
(3,1180)	1:225:B:VAL:HB	1:225:B:VAL:HG12	7	0.51
(3,1180)	1:225:B:VAL:HB	1:225:B:VAL:HG13	14	0.51
(3,1180)	1:225:B:VAL:HB	1:225:B:VAL:HG12	19	0.51
(3,1179)	1:225:A:VAL:HB	1:225:A:VAL:HG12	7	0.51
(3,1179)	1:225:A:VAL:HB	1:225:A:VAL:HG13	14	0.51
(3,1167)	1:225:A:VAL:HG23	1:221:A:ASN:HD21	3	0.51
(3,1108)	1:210:B:LEU:HD21	1:207:B:ASP:HB2	17	0.51
(3,1107)	1:210:A:LEU:HD21	1:207:A:ASP:HB2	17	0.51
(3,1102)	1:237:B:VAL:HG21	1:241:A:LEU:HD22	5	0.51
(3,1102)	1:237:B:VAL:HG23	1:241:A:LEU:HD21	7	0.51
(3,1102)	1:237:B:VAL:HG21	1:241:A:LEU:HD22	10	0.51
(3,1102)	1:237:B:VAL:HG22	1:241:A:LEU:HD23	15	0.51
(3,1101)	1:237:A:VAL:HG22	1:241:B:LEU:HD23	3	0.51
(3,1101)	1:237:A:VAL:HG23	1:241:B:LEU:HD21	6	0.51
(3,1101)	1:237:A:VAL:HG23	1:241:B:LEU:HD22	13	0.51
(3,1067)	1:222:A:SER:HA	1:225:A:VAL:HG12	3	0.51
(3,860)	1:251:B:MET:HB3	1:248:B:PHE:HA	16	0.51
(3,859)	1:251:A:MET:HB3	1:248:A:PHE:HA	16	0.51
(3,377)	1:234:A:ASN:HB2	1:233:B:PHE:HZ	12	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,235)	1:244:A:ILE:HG22	1:244:B:ILE:HD11	8	0.51
(3,235)	1:244:A:ILE:HG22	1:244:B:ILE:HD13	11	0.51
(1,2286)	1:227:B:ALA:HB2	1:227:B:ALA:H	7	0.51
(1,2285)	1:227:A:ALA:HB2	1:227:A:ALA:H	7	0.51
(1,2285)	1:227:A:ALA:HB1	1:227:A:ALA:H	15	0.51
(1,2224)	1:252:B:LYS:HE2	1:248:B:PHE:HA	14	0.51
(1,2173)	1:259:A:ARG:HD3	1:256:A:GLU:HG2	2	0.51
(1,1867)	1:240:A:ARG:HG2	1:241:B:LEU:HD23	2	0.51
(1,1832)	1:240:B:ARG:HD2	1:241:A:LEU:HD11	19	0.51
(1,1802)	1:243:B:ARG:HD3	1:239:B:GLU:HB3	2	0.51
(1,1801)	1:243:A:ARG:HD3	1:239:A:GLU:HB3	2	0.51
(1,1604)	1:269:B:LEU:HG	1:269:B:LEU:HD21	7	0.51
(1,1604)	1:269:B:LEU:HG	1:269:B:LEU:HD22	11	0.51
(1,1603)	1:269:A:LEU:HG	1:269:A:LEU:HD21	7	0.51
(1,1603)	1:269:A:LEU:HG	1:269:A:LEU:HD22	11	0.51
(1,1556)	1:223:B:LEU:HD22	1:223:A:LEU:HB3	15	0.51
(1,1555)	1:223:A:LEU:HD23	1:223:B:LEU:HB3	3	0.51
(1,1555)	1:223:A:LEU:HD21	1:223:B:LEU:HB3	9	0.51
(1,1555)	1:223:A:LEU:HD21	1:223:B:LEU:HB3	20	0.51
(1,1436)	1:258:B:LEU:HD12	1:258:B:LEU:HB3	5	0.51
(1,1436)	1:258:B:LEU:HD13	1:258:B:LEU:HB3	8	0.51
(1,1436)	1:258:B:LEU:HD11	1:258:B:LEU:HB3	12	0.51
(1,1436)	1:258:B:LEU:HD13	1:258:B:LEU:HB3	13	0.51
(1,1436)	1:258:B:LEU:HD12	1:258:B:LEU:HB3	15	0.51
(1,1436)	1:258:B:LEU:HD12	1:258:B:LEU:HB3	16	0.51
(1,1436)	1:258:B:LEU:HD12	1:258:B:LEU:HB3	18	0.51
(1,1436)	1:258:B:LEU:HD12	1:258:B:LEU:HB3	20	0.51
(1,1435)	1:258:A:LEU:HD13	1:258:A:LEU:HB3	1	0.51
(1,1435)	1:258:A:LEU:HD12	1:258:A:LEU:HB3	4	0.51
(1,1435)	1:258:A:LEU:HD12	1:258:A:LEU:HB3	5	0.51
(1,1435)	1:258:A:LEU:HD13	1:258:A:LEU:HB3	8	0.51
(1,1435)	1:258:A:LEU:HD11	1:258:A:LEU:HB3	12	0.51
(1,1435)	1:258:A:LEU:HD13	1:258:A:LEU:HB3	13	0.51
(1,1435)	1:258:A:LEU:HD12	1:258:A:LEU:HB3	15	0.51
(1,1435)	1:258:A:LEU:HD12	1:258:A:LEU:HB3	16	0.51
(1,1435)	1:258:A:LEU:HD12	1:258:A:LEU:HB3	19	0.51
(1,1435)	1:258:A:LEU:HD12	1:258:A:LEU:HB3	20	0.51
(1,1430)	1:258:B:LEU:HD21	1:266:A:GLN:HG2	9	0.51
(1,1429)	1:258:A:LEU:HD23	1:266:B:GLN:HG2	20	0.51
(1,1418)	1:258:B:LEU:HD21	1:255:A:PHE:HZ	2	0.51
(1,1417)	1:258:A:LEU:HD21	1:255:B:PHE:HZ	2	0.51
(1,1392)	1:262:B:LEU:HG	1:262:B:LEU:HD11	1	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1391)	1:262:A:LEU:HG	1:262:A:LEU:HD11	1	0.51
(1,1365)	1:212:A:GLU:HB3	1:216:A:LEU:HD12	20	0.51
(1,1336)	1:269:B:LEU:HD13	1:268:A:LYS:HB2	14	0.51
(1,1313)	1:269:A:LEU:HG	1:270:A:ARG:HE	4	0.51
(1,1295)	1:262:A:LEU:HD22	1:265:B:ALA:H	12	0.51
(1,872)	1:262:B:LEU:HA	1:262:B:LEU:HD12	11	0.51
(1,871)	1:262:A:LEU:HA	1:262:A:LEU:HD12	11	0.51
(1,624)	1:264:B:GLU:HG3	1:268:B:LYS:HD2	8	0.51
(1,624)	1:264:B:GLU:HG3	1:268:B:LYS:HD2	9	0.51
(1,572)	1:257:B:THR:HG23	1:254:B:ASN:HD22	6	0.51
(1,572)	1:257:B:THR:HG22	1:254:B:ASN:HD22	8	0.51
(1,571)	1:257:A:THR:HG22	1:254:A:ASN:HD22	8	0.51
(1,551)	1:251:A:MET:HG3	1:255:A:PHE:HB2	17	0.51
(1,542)	1:251:B:MET:HE1	1:248:B:PHE:HB2	2	0.51
(1,541)	1:251:A:MET:HE1	1:248:A:PHE:HB2	2	0.51
(1,541)	1:251:A:MET:HE3	1:248:A:PHE:HB2	6	0.51
(1,205)	1:258:A:LEU:HD11	1:260:B:THR:HG21	11	0.51
(3,2032)	1:265:B:ALA:HB3	1:265:B:ALA:H	4	0.5
(3,2031)	1:265:A:ALA:HB3	1:265:A:ALA:H	4	0.5
(3,1958)	1:269:B:LEU:HD13	1:265:A:ALA:HB3	14	0.5
(3,1430)	1:241:B:LEU:HD23	1:237:A:VAL:HG22	3	0.5
(3,1430)	1:241:B:LEU:HD22	1:237:A:VAL:HG21	5	0.5
(3,1429)	1:241:A:LEU:HD22	1:237:B:VAL:HG21	1	0.5
(3,1429)	1:241:A:LEU:HD21	1:237:B:VAL:HG23	7	0.5
(3,1429)	1:241:A:LEU:HD22	1:237:B:VAL:HG23	13	0.5
(3,1323)	1:266:A:GLN:HG3	1:262:A:LEU:HD13	9	0.5
(3,1272)	1:217:B:GLN:HA	1:220:B:ILE:HG22	8	0.5
(3,1271)	1:217:A:GLN:HA	1:220:A:ILE:HG22	8	0.5
(3,1250)	1:220:B:ILE:HG23	1:220:B:ILE:HG13	13	0.5
(3,1249)	1:220:A:ILE:HG23	1:220:A:ILE:HG13	13	0.5
(3,1168)	1:225:B:VAL:HG23	1:221:B:ASN:HD21	3	0.5
(3,1102)	1:237:B:VAL:HG21	1:241:A:LEU:HD22	1	0.5
(3,1102)	1:237:B:VAL:HG23	1:241:A:LEU:HD22	13	0.5
(3,1101)	1:237:A:VAL:HG21	1:241:B:LEU:HD22	1	0.5
(3,1101)	1:237:A:VAL:HG21	1:241:B:LEU:HD22	5	0.5
(3,1101)	1:237:A:VAL:HG21	1:241:B:LEU:HD21	18	0.5
(3,1074)	1:249:B:VAL:HB	1:253:B:ASP:HB3	8	0.5
(3,1068)	1:222:B:SER:HA	1:225:B:VAL:HG12	4	0.5
(3,1067)	1:222:A:SER:HA	1:225:A:VAL:HG12	4	0.5
(3,1008)	1:218:B:GLN:HB3	1:218:B:GLN:H	8	0.5
(3,972)	1:238:B:GLN:HG3	1:233:A:PHE:HZ	17	0.5
(3,378)	1:234:B:ASN:HB2	1:233:A:PHE:HZ	12	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,326)	1:227:B:ALA:HB1	1:223:A:LEU:HD21	16	0.5
(3,236)	1:244:B:ILE:HG22	1:244:A:ILE:HD11	8	0.5
(3,236)	1:244:B:ILE:HG22	1:244:A:ILE:HD13	11	0.5
(3,236)	1:244:B:ILE:HG22	1:244:A:ILE:HD12	12	0.5
(3,235)	1:244:A:ILE:HG22	1:244:B:ILE:HD12	5	0.5
(3,235)	1:244:A:ILE:HG23	1:244:B:ILE:HD11	6	0.5
(3,235)	1:244:A:ILE:HG22	1:244:B:ILE:HD12	12	0.5
(1,2286)	1:227:B:ALA:HB1	1:227:B:ALA:H	15	0.5
(1,2232)	1:216:B:LEU:HD11	1:220:A:ILE:HA	2	0.5
(1,2209)	1:216:A:LEU:HB2	1:216:A:LEU:HD13	10	0.5
(1,2174)	1:259:B:ARG:HD3	1:256:B:GLU:HG2	2	0.5
(1,1798)	1:239:B:GLU:HG3	1:243:B:ARG:HD2	13	0.5
(1,1797)	1:239:A:GLU:HG3	1:243:A:ARG:HD2	13	0.5
(1,1604)	1:269:B:LEU:HG	1:269:B:LEU:HD21	17	0.5
(1,1604)	1:269:B:LEU:HG	1:269:B:LEU:HD21	18	0.5
(1,1604)	1:269:B:LEU:HG	1:269:B:LEU:HD23	20	0.5
(1,1603)	1:269:A:LEU:HG	1:269:A:LEU:HD21	17	0.5
(1,1603)	1:269:A:LEU:HG	1:269:A:LEU:HD21	18	0.5
(1,1603)	1:269:A:LEU:HG	1:269:A:LEU:HD23	20	0.5
(1,1579)	1:216:A:LEU:HD21	1:213:B:ASN:HB2	3	0.5
(1,1555)	1:223:A:LEU:HD22	1:223:B:LEU:HB3	15	0.5
(1,1534)	1:223:B:LEU:HD21	1:231:A:GLN:H	4	0.5
(1,1436)	1:258:B:LEU:HD12	1:258:B:LEU:HB3	4	0.5
(1,1436)	1:258:B:LEU:HD12	1:258:B:LEU:HB3	6	0.5
(1,1436)	1:258:B:LEU:HD11	1:258:B:LEU:HB3	7	0.5
(1,1436)	1:258:B:LEU:HD13	1:258:B:LEU:HB3	9	0.5
(1,1436)	1:258:B:LEU:HD12	1:258:B:LEU:HB3	10	0.5
(1,1436)	1:258:B:LEU:HD12	1:258:B:LEU:HB3	11	0.5
(1,1436)	1:258:B:LEU:HD13	1:258:B:LEU:HB3	14	0.5
(1,1435)	1:258:A:LEU:HD12	1:258:A:LEU:HB3	6	0.5
(1,1435)	1:258:A:LEU:HD13	1:258:A:LEU:HB3	9	0.5
(1,1435)	1:258:A:LEU:HD12	1:258:A:LEU:HB3	10	0.5
(1,1435)	1:258:A:LEU:HD12	1:258:A:LEU:HB3	11	0.5
(1,1435)	1:258:A:LEU:HD13	1:258:A:LEU:HB3	14	0.5
(1,1435)	1:258:A:LEU:HD12	1:258:A:LEU:HB3	18	0.5
(1,1430)	1:258:B:LEU:HD22	1:266:A:GLN:HG2	17	0.5
(1,1429)	1:258:A:LEU:HD21	1:266:B:GLN:HG2	9	0.5
(1,1422)	1:258:B:LEU:HD23	1:255:A:PHE:HB2	15	0.5
(1,1392)	1:262:B:LEU:HG	1:262:B:LEU:HD13	2	0.5
(1,1392)	1:262:B:LEU:HG	1:262:B:LEU:HD11	4	0.5
(1,1392)	1:262:B:LEU:HG	1:262:B:LEU:HD12	6	0.5
(1,1392)	1:262:B:LEU:HG	1:262:B:LEU:HD12	8	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1392)	1:262:B:LEU:HG	1:262:B:LEU:HD13	9	0.5
(1,1392)	1:262:B:LEU:HG	1:262:B:LEU:HD11	10	0.5
(1,1392)	1:262:B:LEU:HG	1:262:B:LEU:HD13	12	0.5
(1,1392)	1:262:B:LEU:HG	1:262:B:LEU:HD13	13	0.5
(1,1392)	1:262:B:LEU:HG	1:262:B:LEU:HD11	14	0.5
(1,1392)	1:262:B:LEU:HG	1:262:B:LEU:HD11	15	0.5
(1,1392)	1:262:B:LEU:HG	1:262:B:LEU:HD11	16	0.5
(1,1392)	1:262:B:LEU:HG	1:262:B:LEU:HD11	18	0.5
(1,1392)	1:262:B:LEU:HG	1:262:B:LEU:HD13	20	0.5
(1,1391)	1:262:A:LEU:HG	1:262:A:LEU:HD13	2	0.5
(1,1391)	1:262:A:LEU:HG	1:262:A:LEU:HD11	4	0.5
(1,1391)	1:262:A:LEU:HG	1:262:A:LEU:HD11	5	0.5
(1,1391)	1:262:A:LEU:HG	1:262:A:LEU:HD12	6	0.5
(1,1391)	1:262:A:LEU:HG	1:262:A:LEU:HD13	7	0.5
(1,1391)	1:262:A:LEU:HG	1:262:A:LEU:HD12	8	0.5
(1,1391)	1:262:A:LEU:HG	1:262:A:LEU:HD13	9	0.5
(1,1391)	1:262:A:LEU:HG	1:262:A:LEU:HD11	10	0.5
(1,1391)	1:262:A:LEU:HG	1:262:A:LEU:HD13	12	0.5
(1,1391)	1:262:A:LEU:HG	1:262:A:LEU:HD13	13	0.5
(1,1391)	1:262:A:LEU:HG	1:262:A:LEU:HD11	14	0.5
(1,1391)	1:262:A:LEU:HG	1:262:A:LEU:HD11	15	0.5
(1,1391)	1:262:A:LEU:HG	1:262:A:LEU:HD11	16	0.5
(1,1391)	1:262:A:LEU:HG	1:262:A:LEU:HD11	18	0.5
(1,1296)	1:262:B:LEU:HD22	1:265:A:ALA:H	12	0.5
(1,1180)	1:245:B:THR:HG23	1:244:B:ILE:HG22	18	0.5
(1,1169)	1:225:A:VAL:HG21	1:228:A:LYS:HB2	6	0.5
(1,1022)	1:266:B:GLN:HG3	1:262:B:LEU:HD13	13	0.5
(1,1021)	1:266:A:GLN:HG3	1:262:A:LEU:HD13	13	0.5
(1,767)	1:256:A:GLU:HG2	1:252:A:LYS:HG3	11	0.5
(1,624)	1:264:B:GLU:HG3	1:268:B:LYS:HD2	18	0.5
(1,623)	1:264:A:GLU:HG3	1:268:A:LYS:HD2	9	0.5
(1,623)	1:264:A:GLU:HG3	1:268:A:LYS:HG3	18	0.5
(1,552)	1:251:B:MET:HG3	1:255:B:PHE:HB2	17	0.5
(1,542)	1:251:B:MET:HE2	1:248:B:PHE:HB2	11	0.5
(1,542)	1:251:B:MET:HE1	1:248:B:PHE:HB2	16	0.5
(1,541)	1:251:A:MET:HE2	1:248:A:PHE:HB2	11	0.5
(1,541)	1:251:A:MET:HE1	1:248:A:PHE:HB2	16	0.5
(1,413)	1:234:A:ASN:HA	1:237:B:VAL:HG13	7	0.5
(1,360)	1:211:B:ALA:HA	1:214:B:GLU:HB3	18	0.5
(1,206)	1:258:B:LEU:HD11	1:260:A:THR:HG22	16	0.5
(1,200)	1:255:B:PHE:HZ	1:259:B:ARG:HD3	9	0.5
(1,199)	1:255:A:PHE:HZ	1:259:A:ARG:HD3	9	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,72)	1:255:B:PHE:HD2	1:251:A:MET:HE1	11	0.5
(3,2032)	1:265:B:ALA:HB1	1:265:B:ALA:H	16	0.49
(3,2031)	1:265:A:ALA:HB1	1:265:A:ALA:H	16	0.49
(3,1430)	1:241:B:LEU:HD22	1:237:A:VAL:HG21	1	0.49
(3,1430)	1:241:B:LEU:HD21	1:237:A:VAL:HG23	4	0.49
(3,1430)	1:241:B:LEU:HD21	1:237:A:VAL:HG21	18	0.49
(3,1324)	1:266:B:GLN:HG3	1:262:B:LEU:HD11	15	0.49
(3,1272)	1:217:B:GLN:HA	1:220:B:ILE:HG21	10	0.49
(3,1271)	1:217:A:GLN:HA	1:220:A:ILE:HG21	10	0.49
(3,1102)	1:237:B:VAL:HG23	1:241:A:LEU:HD21	4	0.49
(3,1102)	1:237:B:VAL:HG22	1:241:A:LEU:HD23	9	0.49
(3,1101)	1:237:A:VAL:HG23	1:241:B:LEU:HD21	4	0.49
(3,1073)	1:249:A:VAL:HB	1:253:A:ASP:HB3	8	0.49
(3,1008)	1:218:B:GLN:HB3	1:218:B:GLN:H	14	0.49
(3,1008)	1:218:B:GLN:HB3	1:218:B:GLN:H	17	0.49
(3,1008)	1:218:B:GLN:HB3	1:218:B:GLN:H	20	0.49
(3,1007)	1:218:A:GLN:HB3	1:218:A:GLN:H	6	0.49
(3,1007)	1:218:A:GLN:HB3	1:218:A:GLN:H	8	0.49
(3,1007)	1:218:A:GLN:HB3	1:218:A:GLN:H	14	0.49
(3,1007)	1:218:A:GLN:HB3	1:218:A:GLN:H	20	0.49
(3,377)	1:234:A:ASN:HB2	1:233:B:PHE:HZ	19	0.49
(3,325)	1:227:A:ALA:HB1	1:223:B:LEU:HD21	16	0.49
(3,236)	1:244:B:ILE:HG22	1:244:A:ILE:HD12	5	0.49
(3,236)	1:244:B:ILE:HG23	1:244:A:ILE:HD11	6	0.49
(1,2290)	1:208:B:ARG:HA	1:211:B:ALA:H	12	0.49
(1,2289)	1:208:A:ARG:HA	1:211:A:ALA:H	12	0.49
(1,2239)	1:244:A:ILE:HG21	1:251:B:MET:HB2	3	0.49
(1,2210)	1:216:B:LEU:HB2	1:216:B:LEU:HD12	5	0.49
(1,2210)	1:216:B:LEU:HB2	1:216:B:LEU:HD13	10	0.49
(1,2209)	1:216:A:LEU:HB2	1:216:A:LEU:HD12	5	0.49
(1,1650)	1:267:B:GLN:HB3	1:271:B:ARG:HG3	5	0.49
(1,1649)	1:267:A:GLN:HB3	1:271:A:ARG:HG3	5	0.49
(1,1634)	1:271:B:ARG:HD3	1:268:B:LYS:HA	19	0.49
(1,1633)	1:271:A:ARG:HD3	1:268:A:LYS:HA	19	0.49
(1,1604)	1:269:B:LEU:HG	1:269:B:LEU:HD21	1	0.49
(1,1604)	1:269:B:LEU:HG	1:269:B:LEU:HD23	10	0.49
(1,1604)	1:269:B:LEU:HG	1:269:B:LEU:HD22	12	0.49
(1,1604)	1:269:B:LEU:HG	1:269:B:LEU:HD23	13	0.49
(1,1604)	1:269:B:LEU:HG	1:269:B:LEU:HD23	14	0.49
(1,1604)	1:269:B:LEU:HG	1:269:B:LEU:HD22	15	0.49
(1,1604)	1:269:B:LEU:HG	1:269:B:LEU:HD21	19	0.49
(1,1603)	1:269:A:LEU:HG	1:269:A:LEU:HD21	1	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1603)	1:269:A:LEU:HG	1:269:A:LEU:HD21	5	0.49
(1,1603)	1:269:A:LEU:HG	1:269:A:LEU:HD23	10	0.49
(1,1603)	1:269:A:LEU:HG	1:269:A:LEU:HD22	12	0.49
(1,1603)	1:269:A:LEU:HG	1:269:A:LEU:HD23	13	0.49
(1,1603)	1:269:A:LEU:HG	1:269:A:LEU:HD23	14	0.49
(1,1603)	1:269:A:LEU:HG	1:269:A:LEU:HD22	15	0.49
(1,1603)	1:269:A:LEU:HG	1:269:A:LEU:HD21	19	0.49
(1,1548)	1:223:B:LEU:HD13	1:220:A:ILE:HG12	12	0.49
(1,1436)	1:258:B:LEU:HD11	1:258:B:LEU:HB3	2	0.49
(1,1436)	1:258:B:LEU:HD12	1:258:B:LEU:HB3	3	0.49
(1,1436)	1:258:B:LEU:HD13	1:258:B:LEU:HB3	17	0.49
(1,1435)	1:258:A:LEU:HD11	1:258:A:LEU:HB3	2	0.49
(1,1435)	1:258:A:LEU:HD12	1:258:A:LEU:HB3	3	0.49
(1,1435)	1:258:A:LEU:HD11	1:258:A:LEU:HB3	7	0.49
(1,1435)	1:258:A:LEU:HD13	1:258:A:LEU:HB3	17	0.49
(1,1430)	1:258:B:LEU:HD21	1:266:A:GLN:HG2	18	0.49
(1,1429)	1:258:A:LEU:HD23	1:266:B:GLN:HG2	1	0.49
(1,1429)	1:258:A:LEU:HD22	1:266:B:GLN:HG2	17	0.49
(1,1421)	1:258:A:LEU:HD23	1:255:B:PHE:HB2	15	0.49
(1,1392)	1:262:B:LEU:HG	1:262:B:LEU:HD12	3	0.49
(1,1392)	1:262:B:LEU:HG	1:262:B:LEU:HD11	5	0.49
(1,1392)	1:262:B:LEU:HG	1:262:B:LEU:HD13	7	0.49
(1,1392)	1:262:B:LEU:HG	1:262:B:LEU:HD12	17	0.49
(1,1392)	1:262:B:LEU:HG	1:262:B:LEU:HD13	19	0.49
(1,1391)	1:262:A:LEU:HG	1:262:A:LEU:HD12	3	0.49
(1,1391)	1:262:A:LEU:HG	1:262:A:LEU:HD12	17	0.49
(1,1391)	1:262:A:LEU:HG	1:262:A:LEU:HD13	19	0.49
(1,1391)	1:262:A:LEU:HG	1:262:A:LEU:HD13	20	0.49
(1,1364)	1:216:B:LEU:HD11	1:217:A:GLN:HG3	15	0.49
(1,1356)	1:269:B:LEU:HD11	1:268:A:LYS:HE3	19	0.49
(1,1335)	1:269:A:LEU:HD11	1:268:B:LYS:HB2	3	0.49
(1,1335)	1:269:A:LEU:HD13	1:268:B:LYS:HB2	14	0.49
(1,1296)	1:262:B:LEU:HD21	1:265:A:ALA:H	2	0.49
(1,1295)	1:262:A:LEU:HD21	1:265:B:ALA:H	2	0.49
(1,1295)	1:262:A:LEU:HD21	1:265:B:ALA:H	18	0.49
(1,1180)	1:245:B:THR:HG21	1:244:B:ILE:HG22	16	0.49
(1,1179)	1:245:A:THR:HG21	1:244:A:ILE:HG22	16	0.49
(1,1179)	1:245:A:THR:HG23	1:244:A:ILE:HG22	18	0.49
(1,1170)	1:225:B:VAL:HG21	1:228:B:LYS:HB2	6	0.49
(1,1168)	1:221:B:ASN:HB3	1:225:B:VAL:HG22	5	0.49
(1,1168)	1:221:B:ASN:HB3	1:225:B:VAL:HG21	8	0.49
(1,1168)	1:221:B:ASN:HB3	1:225:B:VAL:HG23	12	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1167)	1:221:A:ASN:HB3	1:225:A:VAL:HG22	5	0.49
(1,1167)	1:221:A:ASN:HB3	1:225:A:VAL:HG21	8	0.49
(1,768)	1:256:B:GLU:HG2	1:252:B:LYS:HG3	11	0.49
(1,642)	1:264:B:GLU:HB2	1:269:A:LEU:HD11	11	0.49
(1,610)	1:245:B:THR:HG21	1:240:A:ARG:HD2	5	0.49
(1,541)	1:251:A:MET:HE2	1:248:A:PHE:HB2	4	0.49
(1,414)	1:234:B:ASN:HA	1:237:A:VAL:HG13	9	0.49
(1,359)	1:211:A:ALA:HA	1:214:A:GLU:HB3	18	0.49
(1,72)	1:255:B:PHE:HD1	1:251:A:MET:HE3	4	0.49
(1,71)	1:255:A:PHE:HD2	1:251:B:MET:HE1	11	0.49
(3,2400)	1:273:B:GLN:H	1:273:B:GLN:HB3	18	0.48
(3,2182)	1:251:B:MET:HB3	1:251:B:MET:H	5	0.48
(3,2182)	1:251:B:MET:HB3	1:251:B:MET:H	7	0.48
(3,2181)	1:251:A:MET:HB3	1:251:A:MET:H	5	0.48
(3,2181)	1:251:A:MET:HB3	1:251:A:MET:H	7	0.48
(3,1960)	1:265:B:ALA:HB2	1:262:B:LEU:HD11	17	0.48
(3,1959)	1:265:A:ALA:HB2	1:262:A:LEU:HD11	17	0.48
(3,1502)	1:227:B:ALA:HA	1:230:B:LEU:HD12	16	0.48
(3,1502)	1:227:B:ALA:HA	1:230:B:LEU:HD11	19	0.48
(3,1501)	1:227:A:ALA:HA	1:230:A:LEU:HD11	19	0.48
(3,1430)	1:241:B:LEU:HD21	1:237:A:VAL:HG23	7	0.48
(3,1430)	1:241:B:LEU:HD23	1:237:A:VAL:HG22	9	0.48
(3,1430)	1:241:B:LEU:HD22	1:237:A:VAL:HG22	17	0.48
(3,1429)	1:241:A:LEU:HD21	1:237:B:VAL:HG23	4	0.48
(3,1429)	1:241:A:LEU:HD23	1:237:B:VAL:HG22	9	0.48
(3,1429)	1:241:A:LEU:HD21	1:237:B:VAL:HG21	18	0.48
(3,1324)	1:266:B:GLN:HG3	1:262:B:LEU:HD11	1	0.48
(3,1323)	1:266:A:GLN:HG3	1:262:A:LEU:HD11	1	0.48
(3,1323)	1:266:A:GLN:HG3	1:262:A:LEU:HD11	15	0.48
(3,1102)	1:237:B:VAL:HG22	1:241:A:LEU:HD22	12	0.48
(3,1102)	1:237:B:VAL:HG21	1:241:A:LEU:HD21	18	0.48
(3,1101)	1:237:A:VAL:HG23	1:241:B:LEU:HD21	7	0.48
(3,1101)	1:237:A:VAL:HG22	1:241:B:LEU:HD23	9	0.48
(3,1101)	1:237:A:VAL:HG22	1:241:B:LEU:HD22	17	0.48
(3,1090)	1:237:B:VAL:HG23	1:237:B:VAL:HB	19	0.48
(3,1089)	1:237:A:VAL:HG23	1:237:A:VAL:HB	19	0.48
(3,1056)	1:246:B:ASP:HA	1:249:B:VAL:HG13	2	0.48
(3,1056)	1:246:B:ASP:HA	1:249:B:VAL:HG12	17	0.48
(3,1056)	1:246:B:ASP:HA	1:249:B:VAL:HG13	20	0.48
(3,1055)	1:246:A:ASP:HA	1:249:A:VAL:HG13	2	0.48
(3,1055)	1:246:A:ASP:HA	1:249:A:VAL:HG12	4	0.48
(3,1055)	1:246:A:ASP:HA	1:249:A:VAL:HG12	17	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1055)	1:246:A:ASP:HA	1:249:A:VAL:HG13	20	0.48
(3,1028)	1:225:B:VAL:HG12	1:228:B:LYS:H	1	0.48
(3,1027)	1:225:A:VAL:HG12	1:228:A:LYS:H	1	0.48
(3,1008)	1:218:B:GLN:HB3	1:218:B:GLN:H	6	0.48
(3,1008)	1:218:B:GLN:HB3	1:218:B:GLN:H	9	0.48
(3,1007)	1:218:A:GLN:HB3	1:218:A:GLN:H	4	0.48
(3,1007)	1:218:A:GLN:HB3	1:218:A:GLN:H	9	0.48
(3,1007)	1:218:A:GLN:HB3	1:218:A:GLN:H	17	0.48
(3,236)	1:244:B:ILE:HG23	1:244:A:ILE:HD12	3	0.48
(3,235)	1:244:A:ILE:HG23	1:244:B:ILE:HD12	3	0.48
(1,2289)	1:208:A:ARG:HA	1:211:A:ALA:H	19	0.48
(1,2284)	1:265:B:ALA:H	1:267:B:GLN:HG3	12	0.48
(1,2283)	1:265:A:ALA:H	1:267:A:GLN:HG3	12	0.48
(1,2231)	1:216:A:LEU:HD11	1:220:B:ILE:HA	2	0.48
(1,2220)	1:255:B:PHE:HA	1:258:B:LEU:HD22	11	0.48
(1,2219)	1:255:A:PHE:HA	1:258:A:LEU:HD22	11	0.48
(1,2209)	1:216:A:LEU:HB2	1:216:A:LEU:HD13	15	0.48
(1,2128)	1:228:B:LYS:HE3	1:225:B:VAL:HA	19	0.48
(1,2127)	1:228:A:LYS:HE3	1:225:A:VAL:HA	19	0.48
(1,2086)	1:228:B:LYS:HE3	1:225:B:VAL:HG23	1	0.48
(1,2038)	1:250:B:LYS:HE3	1:249:B:VAL:HA	5	0.48
(1,2038)	1:250:B:LYS:HE3	1:249:B:VAL:HA	14	0.48
(1,2037)	1:250:A:LYS:HE3	1:249:A:VAL:HA	5	0.48
(1,1832)	1:240:B:ARG:HD2	1:241:A:LEU:HD13	8	0.48
(1,1831)	1:240:A:ARG:HD2	1:241:B:LEU:HD13	8	0.48
(1,1604)	1:269:B:LEU:HG	1:269:B:LEU:HD23	2	0.48
(1,1604)	1:269:B:LEU:HG	1:269:B:LEU:HD23	3	0.48
(1,1604)	1:269:B:LEU:HG	1:269:B:LEU:HD23	4	0.48
(1,1604)	1:269:B:LEU:HG	1:269:B:LEU:HD21	5	0.48
(1,1604)	1:269:B:LEU:HG	1:269:B:LEU:HD21	6	0.48
(1,1604)	1:269:B:LEU:HG	1:269:B:LEU:HD22	8	0.48
(1,1604)	1:269:B:LEU:HG	1:269:B:LEU:HD22	9	0.48
(1,1603)	1:269:A:LEU:HG	1:269:A:LEU:HD23	2	0.48
(1,1603)	1:269:A:LEU:HG	1:269:A:LEU:HD23	3	0.48
(1,1603)	1:269:A:LEU:HG	1:269:A:LEU:HD23	4	0.48
(1,1603)	1:269:A:LEU:HG	1:269:A:LEU:HD21	6	0.48
(1,1603)	1:269:A:LEU:HG	1:269:A:LEU:HD22	8	0.48
(1,1603)	1:269:A:LEU:HG	1:269:A:LEU:HD22	9	0.48
(1,1548)	1:223:B:LEU:HD12	1:220:A:ILE:HG12	15	0.48
(1,1547)	1:223:A:LEU:HD13	1:220:B:ILE:HG12	12	0.48
(1,1533)	1:223:A:LEU:HD23	1:231:B:GLN:H	1	0.48
(1,1430)	1:258:B:LEU:HD23	1:266:A:GLN:HG2	20	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1392)	1:262:B:LEU:HG	1:262:B:LEU:HD13	11	0.48
(1,1391)	1:262:A:LEU:HG	1:262:A:LEU:HD13	11	0.48
(1,1364)	1:214:B:GLU:HG2	1:210:B:LEU:HD12	6	0.48
(1,1363)	1:216:A:LEU:HD11	1:217:B:GLN:HG3	15	0.48
(1,1329)	1:214:A:GLU:HG2	1:210:A:LEU:HD12	2	0.48
(1,1180)	1:245:B:THR:HG22	1:244:B:ILE:HG22	2	0.48
(1,1179)	1:245:A:THR:HG22	1:244:A:ILE:HG22	2	0.48
(1,1172)	1:225:B:VAL:HG22	1:228:B:LYS:HD2	14	0.48
(1,1171)	1:225:A:VAL:HG22	1:228:A:LYS:HD2	14	0.48
(1,1167)	1:221:A:ASN:HB3	1:225:A:VAL:HG23	12	0.48
(1,1124)	1:237:B:VAL:HG13	1:235:B:GLU:HB2	6	0.48
(1,1123)	1:237:A:VAL:HG13	1:235:A:GLU:HB2	6	0.48
(1,1118)	1:210:B:LEU:HD22	1:210:B:LEU:HB3	1	0.48
(1,641)	1:264:A:GLU:HB2	1:269:B:LEU:HD11	11	0.48
(1,626)	1:214:B:GLU:HG2	1:210:B:LEU:HD12	17	0.48
(1,625)	1:214:A:GLU:HG2	1:210:A:LEU:HD12	17	0.48
(1,542)	1:251:B:MET:HE1	1:248:B:PHE:HB2	1	0.48
(1,542)	1:251:B:MET:HE2	1:248:B:PHE:HB2	4	0.48
(1,542)	1:251:B:MET:HE2	1:248:B:PHE:HB2	18	0.48
(1,541)	1:251:A:MET:HE1	1:248:A:PHE:HB2	1	0.48
(1,541)	1:251:A:MET:HE2	1:248:A:PHE:HB2	18	0.48
(1,414)	1:234:B:ASN:HA	1:237:A:VAL:HG13	7	0.48
(1,413)	1:234:A:ASN:HA	1:237:B:VAL:HG13	9	0.48
(3,2399)	1:273:A:GLN:H	1:273:A:GLN:HB3	18	0.47
(3,2392)	1:272:B:GLN:HB3	1:272:B:GLN:H	6	0.47
(3,2391)	1:272:A:GLN:HB3	1:272:A:GLN:H	6	0.47
(3,2182)	1:251:B:MET:HB3	1:251:B:MET:H	2	0.47
(3,2182)	1:251:B:MET:HB3	1:251:B:MET:H	6	0.47
(3,2182)	1:251:B:MET:HB3	1:251:B:MET:H	11	0.47
(3,2182)	1:251:B:MET:HB3	1:251:B:MET:H	17	0.47
(3,2182)	1:251:B:MET:HB3	1:251:B:MET:H	18	0.47
(3,2181)	1:251:A:MET:HB3	1:251:A:MET:H	2	0.47
(3,2181)	1:251:A:MET:HB3	1:251:A:MET:H	6	0.47
(3,2181)	1:251:A:MET:HB3	1:251:A:MET:H	11	0.47
(3,2181)	1:251:A:MET:HB3	1:251:A:MET:H	17	0.47
(3,2181)	1:251:A:MET:HB3	1:251:A:MET:H	18	0.47
(3,1960)	1:265:B:ALA:HB3	1:262:B:LEU:HD12	2	0.47
(3,1960)	1:265:B:ALA:HB2	1:262:B:LEU:HD11	3	0.47
(3,1960)	1:265:B:ALA:HB2	1:262:B:LEU:HD13	4	0.47
(3,1960)	1:265:B:ALA:HB1	1:262:B:LEU:HD12	7	0.47
(3,1960)	1:265:B:ALA:HB1	1:262:B:LEU:HD13	10	0.47
(3,1960)	1:265:B:ALA:HB2	1:262:B:LEU:HD12	12	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1960)	1:265:B:ALA:HB2	1:262:B:LEU:HD12	13	0.47
(3,1960)	1:265:B:ALA:HB1	1:262:B:LEU:HD13	15	0.47
(3,1960)	1:265:B:ALA:HB3	1:262:B:LEU:HD13	16	0.47
(3,1960)	1:265:B:ALA:HB1	1:262:B:LEU:HD13	18	0.47
(3,1960)	1:265:B:ALA:HB1	1:262:B:LEU:HD12	20	0.47
(3,1959)	1:265:A:ALA:HB3	1:262:A:LEU:HD12	2	0.47
(3,1959)	1:265:A:ALA:HB2	1:262:A:LEU:HD11	3	0.47
(3,1959)	1:265:A:ALA:HB2	1:262:A:LEU:HD13	4	0.47
(3,1959)	1:265:A:ALA:HB1	1:262:A:LEU:HD12	7	0.47
(3,1959)	1:265:A:ALA:HB1	1:262:A:LEU:HD13	10	0.47
(3,1959)	1:265:A:ALA:HB2	1:262:A:LEU:HD12	13	0.47
(3,1959)	1:265:A:ALA:HB1	1:262:A:LEU:HD13	15	0.47
(3,1959)	1:265:A:ALA:HB3	1:262:A:LEU:HD13	16	0.47
(3,1959)	1:265:A:ALA:HB1	1:262:A:LEU:HD13	18	0.47
(3,1954)	1:216:B:LEU:HB3	1:216:B:LEU:HD23	2	0.47
(3,1954)	1:216:B:LEU:HB3	1:216:B:LEU:HD23	3	0.47
(3,1954)	1:216:B:LEU:HB3	1:216:B:LEU:HD23	10	0.47
(3,1953)	1:216:A:LEU:HB3	1:216:A:LEU:HD23	2	0.47
(3,1953)	1:216:A:LEU:HB3	1:216:A:LEU:HD23	10	0.47
(3,1502)	1:227:B:ALA:HA	1:230:B:LEU:HD13	9	0.47
(3,1502)	1:227:B:ALA:HA	1:230:B:LEU:HD12	18	0.47
(3,1501)	1:227:A:ALA:HA	1:230:A:LEU:HD11	6	0.47
(3,1501)	1:227:A:ALA:HA	1:230:A:LEU:HD13	9	0.47
(3,1501)	1:227:A:ALA:HA	1:230:A:LEU:HD12	16	0.47
(3,1501)	1:227:A:ALA:HA	1:230:A:LEU:HD12	18	0.47
(3,1444)	1:241:B:LEU:HD22	1:240:A:ARG:HG2	13	0.47
(3,1443)	1:241:A:LEU:HD22	1:240:B:ARG:HG2	13	0.47
(3,1430)	1:241:B:LEU:HD22	1:237:A:VAL:HG22	12	0.47
(3,1429)	1:241:A:LEU:HD22	1:237:B:VAL:HG22	12	0.47
(3,1429)	1:241:A:LEU:HD22	1:237:B:VAL:HG22	17	0.47
(3,1329)	1:258:A:LEU:HD11	1:259:B:ARG:HA	20	0.47
(3,1324)	1:266:B:GLN:HG3	1:262:B:LEU:HD11	18	0.47
(3,1323)	1:266:A:GLN:HG3	1:262:A:LEU:HD11	18	0.47
(3,1174)	1:222:B:SER:HA	1:225:B:VAL:HG22	9	0.47
(3,1174)	1:222:B:SER:HA	1:225:B:VAL:HG23	11	0.47
(3,1173)	1:222:A:SER:HA	1:225:A:VAL:HG21	3	0.47
(3,1173)	1:222:A:SER:HA	1:225:A:VAL:HG22	9	0.47
(3,1173)	1:222:A:SER:HA	1:225:A:VAL:HG23	11	0.47
(3,1108)	1:210:B:LEU:HD22	1:207:B:ASP:HB2	4	0.47
(3,1107)	1:210:A:LEU:HD22	1:207:A:ASP:HB2	4	0.47
(3,1102)	1:237:B:VAL:HG22	1:241:A:LEU:HD22	17	0.47
(3,1102)	1:237:B:VAL:HG21	1:241:A:LEU:HD22	19	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1101)	1:237:A:VAL:HG22	1:241:B:LEU:HD22	12	0.47
(3,1090)	1:237:B:VAL:HG21	1:237:B:VAL:HB	9	0.47
(3,1089)	1:237:A:VAL:HG21	1:237:A:VAL:HB	9	0.47
(3,1067)	1:222:A:SER:HA	1:225:A:VAL:HG13	11	0.47
(3,1056)	1:246:B:ASP:HA	1:249:B:VAL:HG12	4	0.47
(3,1056)	1:246:B:ASP:HA	1:249:B:VAL:HG12	15	0.47
(3,1055)	1:246:A:ASP:HA	1:249:A:VAL:HG13	13	0.47
(3,1055)	1:246:A:ASP:HA	1:249:A:VAL:HG12	15	0.47
(3,1008)	1:218:B:GLN:HB3	1:218:B:GLN:H	4	0.47
(3,1008)	1:218:B:GLN:HB3	1:218:B:GLN:H	11	0.47
(3,1008)	1:218:B:GLN:HB3	1:218:B:GLN:H	16	0.47
(3,1007)	1:218:A:GLN:HB3	1:218:A:GLN:H	11	0.47
(3,1007)	1:218:A:GLN:HB3	1:218:A:GLN:H	16	0.47
(3,974)	1:238:B:GLN:HG3	1:238:B:GLN:HA	4	0.47
(3,973)	1:238:A:GLN:HG3	1:238:A:GLN:HA	4	0.47
(3,860)	1:251:B:MET:HB3	1:248:B:PHE:HA	8	0.47
(3,859)	1:251:A:MET:HB3	1:248:A:PHE:HA	8	0.47
(3,559)	1:257:A:THR:HG22	1:261:A:GLU:HG2	5	0.47
(3,377)	1:234:A:ASN:HB2	1:233:B:PHE:HZ	1	0.47
(1,2290)	1:208:B:ARG:HA	1:211:B:ALA:H	19	0.47
(1,2289)	1:208:A:ARG:HA	1:211:A:ALA:H	14	0.47
(1,2240)	1:244:B:ILE:HG21	1:251:A:MET:HB2	3	0.47
(1,2210)	1:216:B:LEU:HB2	1:216:B:LEU:HD12	1	0.47
(1,2210)	1:216:B:LEU:HB2	1:216:B:LEU:HD13	15	0.47
(1,2210)	1:216:B:LEU:HB2	1:216:B:LEU:HD11	17	0.47
(1,2209)	1:216:A:LEU:HB2	1:216:A:LEU:HD12	1	0.47
(1,2209)	1:216:A:LEU:HB2	1:216:A:LEU:HD11	17	0.47
(1,2085)	1:228:A:LYS:HE3	1:225:A:VAL:HG23	1	0.47
(1,2038)	1:250:B:LYS:HE3	1:249:B:VAL:HA	12	0.47
(1,2037)	1:250:A:LYS:HE3	1:249:A:VAL:HA	12	0.47
(1,2037)	1:250:A:LYS:HE3	1:249:A:VAL:HA	14	0.47
(1,1831)	1:240:A:ARG:HD2	1:241:B:LEU:HD11	19	0.47
(1,1622)	1:271:B:ARG:HD3	1:267:B:GLN:HB3	6	0.47
(1,1621)	1:271:A:ARG:HD2	1:267:A:GLN:HB3	6	0.47
(1,1604)	1:269:B:LEU:HG	1:269:B:LEU:HD22	16	0.47
(1,1603)	1:269:A:LEU:HG	1:269:A:LEU:HD22	16	0.47
(1,1548)	1:223:B:LEU:HD13	1:220:A:ILE:HG12	18	0.47
(1,1534)	1:223:B:LEU:HD21	1:231:A:GLN:H	6	0.47
(1,1534)	1:223:B:LEU:HD21	1:231:A:GLN:H	19	0.47
(1,1533)	1:223:A:LEU:HD21	1:231:B:GLN:H	6	0.47
(1,1533)	1:223:A:LEU:HD21	1:231:B:GLN:H	19	0.47
(1,1430)	1:258:B:LEU:HD23	1:266:A:GLN:HG2	1	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1420)	1:258:B:LEU:HD23	1:255:A:PHE:HD1	18	0.47
(1,1363)	1:214:A:GLU:HG2	1:210:A:LEU:HD12	6	0.47
(1,1355)	1:269:A:LEU:HD12	1:268:B:LYS:HE3	3	0.47
(1,1338)	1:216:B:LEU:HD13	1:219:B:LYS:HE2	18	0.47
(1,1337)	1:216:A:LEU:HD13	1:219:A:LYS:HE2	18	0.47
(1,1296)	1:216:B:LEU:HD13	1:218:A:GLN:H	11	0.47
(1,1295)	1:216:A:LEU:HD12	1:218:B:GLN:H	4	0.47
(1,1295)	1:216:A:LEU:HD13	1:218:B:GLN:H	11	0.47
(1,1231)	1:220:A:ILE:HG23	1:220:B:ILE:HG12	8	0.47
(1,1176)	1:244:B:ILE:HG21	1:243:B:ARG:HB2	17	0.47
(1,1175)	1:244:A:ILE:HG21	1:243:A:ARG:HB2	17	0.47
(1,1168)	1:221:B:ASN:HB3	1:225:B:VAL:HG23	7	0.47
(1,1167)	1:221:A:ASN:HB3	1:225:A:VAL:HG23	7	0.47
(1,1118)	1:210:B:LEU:HD23	1:210:B:LEU:HG	10	0.47
(1,1118)	1:210:B:LEU:HD22	1:210:B:LEU:HG	13	0.47
(1,1118)	1:210:B:LEU:HD23	1:210:B:LEU:HG	16	0.47
(1,1118)	1:210:B:LEU:HD21	1:210:B:LEU:HG	19	0.47
(1,1118)	1:210:B:LEU:HD23	1:210:B:LEU:HB3	20	0.47
(1,1117)	1:210:A:LEU:HD22	1:210:A:LEU:HB3	1	0.47
(1,1117)	1:210:A:LEU:HD23	1:210:A:LEU:HB3	10	0.47
(1,1117)	1:210:A:LEU:HD22	1:210:A:LEU:HG	13	0.47
(1,1117)	1:210:A:LEU:HD23	1:210:A:LEU:HG	16	0.47
(1,1117)	1:210:A:LEU:HD21	1:210:A:LEU:HB3	18	0.47
(1,1117)	1:210:A:LEU:HD21	1:210:A:LEU:HG	19	0.47
(1,1117)	1:210:A:LEU:HD23	1:210:A:LEU:HB3	20	0.47
(1,1022)	1:266:B:GLN:HG3	1:262:B:LEU:HD12	8	0.47
(1,767)	1:256:A:GLU:HG2	1:252:A:LYS:HG3	3	0.47
(1,529)	1:251:A:MET:HE1	1:248:A:PHE:H	1	0.47
(1,528)	1:251:B:MET:HE3	1:248:A:PHE:HE1	7	0.47
(3,1960)	1:265:B:ALA:HB1	1:262:B:LEU:HD13	1	0.46
(3,1960)	1:265:B:ALA:HB3	1:262:B:LEU:HD11	6	0.46
(3,1960)	1:265:B:ALA:HB2	1:262:B:LEU:HD11	8	0.46
(3,1960)	1:265:B:ALA:HB3	1:262:B:LEU:HD12	11	0.46
(3,1960)	1:265:B:ALA:HB1	1:262:B:LEU:HD13	14	0.46
(3,1960)	1:265:B:ALA:HB1	1:262:B:LEU:HD12	19	0.46
(3,1959)	1:265:A:ALA:HB1	1:262:A:LEU:HD13	1	0.46
(3,1959)	1:265:A:ALA:HB3	1:262:A:LEU:HD11	6	0.46
(3,1959)	1:265:A:ALA:HB2	1:262:A:LEU:HD11	8	0.46
(3,1959)	1:265:A:ALA:HB3	1:262:A:LEU:HD12	11	0.46
(3,1959)	1:265:A:ALA:HB2	1:262:A:LEU:HD12	12	0.46
(3,1959)	1:265:A:ALA:HB1	1:262:A:LEU:HD13	14	0.46
(3,1959)	1:265:A:ALA:HB1	1:262:A:LEU:HD12	19	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1959)	1:265:A:ALA:HB1	1:262:A:LEU:HD12	20	0.46
(3,1954)	1:216:B:LEU:HB3	1:216:B:LEU:HD21	5	0.46
(3,1954)	1:216:B:LEU:HB3	1:216:B:LEU:HD21	13	0.46
(3,1953)	1:216:A:LEU:HB3	1:216:A:LEU:HD23	3	0.46
(3,1953)	1:216:A:LEU:HB3	1:216:A:LEU:HD21	5	0.46
(3,1920)	1:210:B:LEU:HD11	1:207:B:ASP:HB2	4	0.46
(3,1919)	1:210:A:LEU:HD11	1:207:A:ASP:HB2	4	0.46
(3,1502)	1:227:B:ALA:HA	1:230:B:LEU:HD12	1	0.46
(3,1502)	1:227:B:ALA:HA	1:230:B:LEU:HD13	5	0.46
(3,1502)	1:227:B:ALA:HA	1:230:B:LEU:HD11	6	0.46
(3,1502)	1:227:B:ALA:HA	1:230:B:LEU:HD12	10	0.46
(3,1502)	1:227:B:ALA:HA	1:230:B:LEU:HD13	11	0.46
(3,1502)	1:227:B:ALA:HA	1:230:B:LEU:HD12	12	0.46
(3,1502)	1:227:B:ALA:HA	1:230:B:LEU:HD12	14	0.46
(3,1502)	1:227:B:ALA:HA	1:230:B:LEU:HD11	17	0.46
(3,1501)	1:227:A:ALA:HA	1:230:A:LEU:HD12	1	0.46
(3,1501)	1:227:A:ALA:HA	1:230:A:LEU:HD13	4	0.46
(3,1501)	1:227:A:ALA:HA	1:230:A:LEU:HD13	5	0.46
(3,1501)	1:227:A:ALA:HA	1:230:A:LEU:HD12	10	0.46
(3,1501)	1:227:A:ALA:HA	1:230:A:LEU:HD13	11	0.46
(3,1501)	1:227:A:ALA:HA	1:230:A:LEU:HD12	12	0.46
(3,1501)	1:227:A:ALA:HA	1:230:A:LEU:HD12	14	0.46
(3,1501)	1:227:A:ALA:HA	1:230:A:LEU:HD11	17	0.46
(3,1448)	1:241:B:LEU:HD23	1:240:A:ARG:HD2	14	0.46
(3,1447)	1:241:A:LEU:HD22	1:240:B:ARG:HD2	8	0.46
(3,1430)	1:241:B:LEU:HD22	1:237:A:VAL:HG21	19	0.46
(3,1429)	1:241:A:LEU:HD22	1:237:B:VAL:HG21	19	0.46
(3,1330)	1:258:B:LEU:HD12	1:259:A:ARG:HA	8	0.46
(3,1174)	1:222:B:SER:HA	1:225:B:VAL:HG21	3	0.46
(3,1174)	1:222:B:SER:HA	1:225:B:VAL:HG23	6	0.46
(3,1173)	1:222:A:SER:HA	1:225:A:VAL:HG23	6	0.46
(3,1101)	1:237:A:VAL:HG21	1:241:B:LEU:HD22	19	0.46
(3,1090)	1:237:B:VAL:HG23	1:237:B:VAL:HB	1	0.46
(3,1090)	1:237:B:VAL:HG21	1:237:B:VAL:HB	17	0.46
(3,1089)	1:237:A:VAL:HG23	1:237:A:VAL:HB	1	0.46
(3,1089)	1:237:A:VAL:HG22	1:237:A:VAL:HB	4	0.46
(3,1089)	1:237:A:VAL:HG21	1:237:A:VAL:HB	12	0.46
(3,1089)	1:237:A:VAL:HG21	1:237:A:VAL:HB	17	0.46
(3,1068)	1:222:B:SER:HA	1:225:B:VAL:HG11	6	0.46
(3,1068)	1:222:B:SER:HA	1:225:B:VAL:HG13	11	0.46
(3,1067)	1:222:A:SER:HA	1:225:A:VAL:HG11	6	0.46
(3,1056)	1:246:B:ASP:HA	1:249:B:VAL:HG13	13	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,514)	1:251:B:MET:HE2	1:252:A:LYS:HA	9	0.46
(3,513)	1:251:A:MET:HE2	1:252:B:LYS:HA	9	0.46
(3,378)	1:234:B:ASN:HB2	1:233:A:PHE:HZ	19	0.46
(3,236)	1:244:B:ILE:HG23	1:244:A:ILE:HD13	19	0.46
(3,235)	1:244:A:ILE:HG23	1:244:B:ILE:HD13	19	0.46
(1,2290)	1:208:B:ARG:HA	1:211:B:ALA:H	11	0.46
(1,2290)	1:208:B:ARG:HA	1:211:B:ALA:H	14	0.46
(1,2290)	1:208:B:ARG:HA	1:211:B:ALA:H	20	0.46
(1,2289)	1:208:A:ARG:HA	1:211:A:ALA:H	11	0.46
(1,2289)	1:208:A:ARG:HA	1:211:A:ALA:H	20	0.46
(1,2220)	1:255:B:PHE:HA	1:258:B:LEU:HD21	3	0.46
(1,2219)	1:255:A:PHE:HA	1:258:A:LEU:HD21	3	0.46
(1,2219)	1:255:A:PHE:HA	1:258:A:LEU:HD23	7	0.46
(1,2210)	1:216:B:LEU:HB2	1:216:B:LEU:HD13	4	0.46
(1,2210)	1:216:B:LEU:HB2	1:216:B:LEU:HD12	6	0.46
(1,2210)	1:216:B:LEU:HB2	1:216:B:LEU:HD12	16	0.46
(1,2209)	1:216:A:LEU:HB2	1:216:A:LEU:HD13	4	0.46
(1,2209)	1:216:A:LEU:HB2	1:216:A:LEU:HD12	6	0.46
(1,2209)	1:216:A:LEU:HB2	1:216:A:LEU:HD12	16	0.46
(1,1810)	1:243:B:ARG:HD3	1:245:B:THR:HG22	5	0.46
(1,1810)	1:243:B:ARG:HD3	1:245:B:THR:HG21	19	0.46
(1,1580)	1:216:B:LEU:HD22	1:213:A:ASN:HB3	13	0.46
(1,1547)	1:223:A:LEU:HD12	1:220:B:ILE:HG12	15	0.46
(1,1534)	1:223:B:LEU:HD23	1:231:A:GLN:H	1	0.46
(1,1330)	1:214:B:GLU:HG2	1:210:B:LEU:HD12	2	0.46
(1,1296)	1:262:B:LEU:HD21	1:265:A:ALA:H	18	0.46
(1,1232)	1:220:B:ILE:HG23	1:220:A:ILE:HG12	8	0.46
(1,1169)	1:225:A:VAL:HG22	1:228:A:LYS:HB2	3	0.46
(1,1168)	1:221:B:ASN:HB3	1:225:B:VAL:HG23	10	0.46
(1,1167)	1:221:A:ASN:HB3	1:225:A:VAL:HG23	10	0.46
(1,1124)	1:214:B:GLU:HB2	1:210:B:LEU:HD22	14	0.46
(1,1118)	1:210:B:LEU:HD21	1:210:B:LEU:HB3	2	0.46
(1,1118)	1:210:B:LEU:HD22	1:210:B:LEU:HB3	3	0.46
(1,1118)	1:210:B:LEU:HD23	1:210:B:LEU:HG	11	0.46
(1,1118)	1:210:B:LEU:HD21	1:210:B:LEU:HB3	15	0.46
(1,1118)	1:210:B:LEU:HD21	1:210:B:LEU:HB3	17	0.46
(1,1118)	1:210:B:LEU:HD21	1:210:B:LEU:HB3	18	0.46
(1,1117)	1:210:A:LEU:HD23	1:210:A:LEU:HG	11	0.46
(1,1117)	1:210:A:LEU:HD22	1:210:A:LEU:HG	12	0.46
(1,1117)	1:210:A:LEU:HD21	1:210:A:LEU:HB3	15	0.46
(1,1117)	1:210:A:LEU:HD21	1:210:A:LEU:HB3	17	0.46
(1,1025)	1:218:A:GLN:HG2	1:215:A:SER:H	9	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1021)	1:266:A:GLN:HG3	1:262:A:LEU:HD12	8	0.46
(1,768)	1:256:B:GLU:HG2	1:252:B:LYS:HG3	3	0.46
(1,530)	1:251:B:MET:HE1	1:248:B:PHE:H	1	0.46
(1,413)	1:234:A:ASN:HA	1:237:B:VAL:HG13	20	0.46
(1,71)	1:255:A:PHE:HD1	1:251:B:MET:HE3	4	0.46
(3,2506)	1:244:B:ILE:HG12	1:244:B:ILE:H	4	0.45
(3,2506)	1:244:B:ILE:HG12	1:244:B:ILE:H	16	0.45
(3,2505)	1:244:A:ILE:HG12	1:244:A:ILE:H	4	0.45
(3,2505)	1:244:A:ILE:HG12	1:244:A:ILE:H	16	0.45
(3,2400)	1:273:B:GLN:H	1:273:B:GLN:HB3	12	0.45
(3,2399)	1:273:A:GLN:H	1:273:A:GLN:HB3	12	0.45
(3,2182)	1:251:B:MET:HB3	1:251:B:MET:H	8	0.45
(3,2182)	1:251:B:MET:HB3	1:251:B:MET:H	16	0.45
(3,2181)	1:251:A:MET:HB3	1:251:A:MET:H	8	0.45
(3,2181)	1:251:A:MET:HB3	1:251:A:MET:H	16	0.45
(3,1960)	1:265:B:ALA:HB3	1:262:B:LEU:HD13	5	0.45
(3,1960)	1:265:B:ALA:HB1	1:262:B:LEU:HD12	9	0.45
(3,1959)	1:265:A:ALA:HB3	1:262:A:LEU:HD13	5	0.45
(3,1959)	1:265:A:ALA:HB1	1:262:A:LEU:HD12	9	0.45
(3,1954)	1:216:B:LEU:HB3	1:216:B:LEU:HD21	1	0.45
(3,1954)	1:216:B:LEU:HB3	1:216:B:LEU:HD23	4	0.45
(3,1954)	1:216:B:LEU:HB3	1:216:B:LEU:HD22	6	0.45
(3,1954)	1:216:B:LEU:HB3	1:216:B:LEU:HD23	7	0.45
(3,1954)	1:216:B:LEU:HB3	1:216:B:LEU:HD21	11	0.45
(3,1954)	1:216:B:LEU:HB3	1:216:B:LEU:HD22	15	0.45
(3,1954)	1:216:B:LEU:HB3	1:216:B:LEU:HD21	16	0.45
(3,1954)	1:216:B:LEU:HB3	1:216:B:LEU:HD22	20	0.45
(3,1953)	1:216:A:LEU:HB3	1:216:A:LEU:HD21	1	0.45
(3,1953)	1:216:A:LEU:HB3	1:216:A:LEU:HD22	6	0.45
(3,1953)	1:216:A:LEU:HB3	1:216:A:LEU:HD23	7	0.45
(3,1953)	1:216:A:LEU:HB3	1:216:A:LEU:HD21	11	0.45
(3,1953)	1:216:A:LEU:HB3	1:216:A:LEU:HD21	13	0.45
(3,1953)	1:216:A:LEU:HB3	1:216:A:LEU:HD22	15	0.45
(3,1953)	1:216:A:LEU:HB3	1:216:A:LEU:HD21	16	0.45
(3,1953)	1:216:A:LEU:HB3	1:216:A:LEU:HD22	20	0.45
(3,1944)	1:258:B:LEU:HD13	1:261:B:GLU:HB3	6	0.45
(3,1943)	1:258:A:LEU:HD13	1:261:A:GLU:HB3	6	0.45
(3,1502)	1:227:B:ALA:HA	1:230:B:LEU:HD12	2	0.45
(3,1502)	1:227:B:ALA:HA	1:230:B:LEU:HD13	4	0.45
(3,1502)	1:227:B:ALA:HA	1:230:B:LEU:HD11	13	0.45
(3,1502)	1:227:B:ALA:HA	1:230:B:LEU:HD11	20	0.45
(3,1501)	1:227:A:ALA:HA	1:230:A:LEU:HD12	2	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1501)	1:227:A:ALA:HA	1:230:A:LEU:HD11	7	0.45
(3,1501)	1:227:A:ALA:HA	1:230:A:LEU:HD11	13	0.45
(3,1501)	1:227:A:ALA:HA	1:230:A:LEU:HD11	20	0.45
(3,1448)	1:241:B:LEU:HD23	1:240:A:ARG:HD2	4	0.45
(3,1448)	1:241:B:LEU:HD22	1:240:A:ARG:HD2	8	0.45
(3,1330)	1:258:B:LEU:HD13	1:259:A:ARG:HA	7	0.45
(3,1173)	1:222:A:SER:HA	1:225:A:VAL:HG22	4	0.45
(3,1169)	1:225:A:VAL:HG12	1:221:A:ASN:HD21	3	0.45
(3,1106)	1:237:B:VAL:HG21	1:241:B:LEU:HG	7	0.45
(3,1106)	1:237:B:VAL:HG22	1:241:B:LEU:HG	11	0.45
(3,1105)	1:237:A:VAL:HG22	1:241:A:LEU:HG	11	0.45
(3,1090)	1:237:B:VAL:HG22	1:237:B:VAL:HB	4	0.45
(3,1090)	1:237:B:VAL:HG21	1:237:B:VAL:HB	12	0.45
(3,1090)	1:237:B:VAL:HG23	1:237:B:VAL:HB	16	0.45
(3,1089)	1:237:A:VAL:HG23	1:237:A:VAL:HB	16	0.45
(3,1056)	1:246:B:ASP:HA	1:249:B:VAL:HG13	1	0.45
(3,1056)	1:246:B:ASP:HA	1:249:B:VAL:HG13	16	0.45
(3,1055)	1:246:A:ASP:HA	1:249:A:VAL:HG13	16	0.45
(3,1008)	1:218:B:GLN:HB3	1:218:B:GLN:H	2	0.45
(3,1007)	1:218:A:GLN:HB3	1:218:A:GLN:H	2	0.45
(3,971)	1:238:A:GLN:HG3	1:233:B:PHE:HZ	17	0.45
(3,560)	1:257:B:THR:HG22	1:261:B:GLU:HG2	5	0.45
(3,560)	1:257:B:THR:HG21	1:261:B:GLU:HG2	13	0.45
(3,559)	1:257:A:THR:HG21	1:261:A:GLU:HG2	13	0.45
(3,236)	1:244:B:ILE:HG22	1:244:A:ILE:HD13	7	0.45
(3,236)	1:244:B:ILE:HG23	1:244:A:ILE:HD12	17	0.45
(3,235)	1:244:A:ILE:HG22	1:244:B:ILE:HD12	2	0.45
(3,235)	1:244:A:ILE:HG23	1:244:B:ILE:HD12	17	0.45
(1,2220)	1:255:B:PHE:HA	1:258:B:LEU:HD23	7	0.45
(1,2210)	1:216:B:LEU:HB2	1:216:B:LEU:HD11	9	0.45
(1,2085)	1:228:A:LYS:HE2	1:225:A:VAL:HG22	3	0.45
(1,2038)	1:250:B:LYS:HE3	1:249:B:VAL:HA	16	0.45
(1,2037)	1:250:A:LYS:HE3	1:249:A:VAL:HA	16	0.45
(1,1901)	1:268:A:LYS:HE3	1:272:B:GLN:HG3	4	0.45
(1,1809)	1:243:A:ARG:HD3	1:245:A:THR:HG22	5	0.45
(1,1809)	1:243:A:ARG:HD3	1:245:A:THR:HG21	19	0.45
(1,1735)	1:259:A:ARG:HD2	1:260:A:THR:HG21	16	0.45
(1,1579)	1:216:A:LEU:HD22	1:213:B:ASN:HB3	13	0.45
(1,1577)	1:216:A:LEU:HD21	1:213:A:ASN:HA	2	0.45
(1,1419)	1:258:A:LEU:HD23	1:255:B:PHE:HD1	18	0.45
(1,1336)	1:269:B:LEU:HD11	1:268:A:LYS:HB2	3	0.45
(1,1296)	1:216:B:LEU:HD12	1:218:A:GLN:H	4	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1179)	1:245:A:THR:HG22	1:244:A:ILE:HG22	4	0.45
(1,1170)	1:225:B:VAL:HG22	1:228:B:LYS:HB2	3	0.45
(1,1167)	1:221:A:ASN:HB3	1:225:A:VAL:HG23	19	0.45
(1,1124)	1:237:B:VAL:HG12	1:235:B:GLU:HB2	5	0.45
(1,1123)	1:237:A:VAL:HG12	1:235:A:GLU:HB2	5	0.45
(1,1123)	1:214:A:GLU:HB2	1:210:A:LEU:HD22	14	0.45
(1,1118)	1:210:B:LEU:HD21	1:210:B:LEU:HB3	6	0.45
(1,1118)	1:210:B:LEU:HD21	1:210:B:LEU:HB3	7	0.45
(1,1118)	1:210:B:LEU:HD22	1:210:B:LEU:HG	12	0.45
(1,1117)	1:210:A:LEU:HD21	1:210:A:LEU:HB3	2	0.45
(1,1117)	1:210:A:LEU:HD22	1:210:A:LEU:HB3	3	0.45
(1,1117)	1:210:A:LEU:HD21	1:210:A:LEU:HB3	7	0.45
(1,1026)	1:218:B:GLN:HG2	1:215:B:SER:H	9	0.45
(1,966)	1:217:B:GLN:HG2	1:220:B:ILE:HA	15	0.45
(1,965)	1:217:A:GLN:HG2	1:220:A:ILE:HA	15	0.45
(1,624)	1:264:B:GLU:HG3	1:268:B:LYS:HD2	4	0.45
(1,623)	1:264:A:GLU:HG3	1:268:A:LYS:HD2	4	0.45
(1,623)	1:264:A:GLU:HG3	1:268:A:LYS:HD2	5	0.45
(1,414)	1:234:B:ASN:HA	1:237:A:VAL:HG13	20	0.45
(1,252)	1:263:B:SER:HB3	1:258:A:LEU:HD21	14	0.45
(3,1954)	1:216:B:LEU:HB3	1:216:B:LEU:HD22	8	0.44
(3,1954)	1:216:B:LEU:HB3	1:216:B:LEU:HD23	14	0.44
(3,1954)	1:216:B:LEU:HB3	1:216:B:LEU:HD21	17	0.44
(3,1954)	1:216:B:LEU:HB3	1:216:B:LEU:HD21	19	0.44
(3,1953)	1:216:A:LEU:HB3	1:216:A:LEU:HD23	4	0.44
(3,1953)	1:216:A:LEU:HB3	1:216:A:LEU:HD22	8	0.44
(3,1953)	1:216:A:LEU:HB3	1:216:A:LEU:HD23	14	0.44
(3,1953)	1:216:A:LEU:HB3	1:216:A:LEU:HD21	17	0.44
(3,1953)	1:216:A:LEU:HB3	1:216:A:LEU:HD21	19	0.44
(3,1944)	1:258:B:LEU:HD11	1:261:B:GLU:HB3	13	0.44
(3,1502)	1:227:B:ALA:HA	1:230:B:LEU:HD11	3	0.44
(3,1502)	1:227:B:ALA:HA	1:230:B:LEU:HD11	7	0.44
(3,1502)	1:227:B:ALA:HA	1:230:B:LEU:HD13	8	0.44
(3,1502)	1:227:B:ALA:HA	1:230:B:LEU:HD12	15	0.44
(3,1501)	1:227:A:ALA:HA	1:230:A:LEU:HD11	3	0.44
(3,1501)	1:227:A:ALA:HA	1:230:A:LEU:HD13	8	0.44
(3,1501)	1:227:A:ALA:HA	1:230:A:LEU:HD12	15	0.44
(3,1447)	1:241:A:LEU:HD23	1:240:B:ARG:HD2	14	0.44
(3,1447)	1:241:A:LEU:HD21	1:240:B:ARG:HD2	19	0.44
(3,1428)	1:241:B:LEU:HD22	1:237:B:VAL:HG22	1	0.44
(3,1427)	1:241:A:LEU:HD22	1:237:A:VAL:HG22	1	0.44
(3,1330)	1:258:B:LEU:HD12	1:259:A:ARG:HA	1	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1330)	1:258:B:LEU:HD11	1:259:A:ARG:HA	5	0.44
(3,1330)	1:258:B:LEU:HD11	1:259:A:ARG:HA	6	0.44
(3,1329)	1:258:A:LEU:HD12	1:259:B:ARG:HA	8	0.44
(3,1324)	1:266:B:GLN:HG3	1:262:B:LEU:HD13	13	0.44
(3,1323)	1:266:A:GLN:HG3	1:262:A:LEU:HD13	13	0.44
(3,1272)	1:217:B:GLN:HA	1:220:B:ILE:HG23	5	0.44
(3,1174)	1:222:B:SER:HA	1:225:B:VAL:HG22	4	0.44
(3,1173)	1:222:A:SER:HA	1:225:A:VAL:HG22	15	0.44
(3,1173)	1:222:A:SER:HA	1:225:A:VAL:HG23	19	0.44
(3,1170)	1:225:B:VAL:HG12	1:221:B:ASN:HD21	3	0.44
(3,1169)	1:225:A:VAL:HG13	1:221:A:ASN:HD21	7	0.44
(3,1106)	1:237:B:VAL:HG22	1:241:B:LEU:HG	1	0.44
(3,1106)	1:237:B:VAL:HG23	1:241:B:LEU:HG	2	0.44
(3,1106)	1:237:B:VAL:HG23	1:241:B:LEU:HG	3	0.44
(3,1106)	1:237:B:VAL:HG21	1:241:B:LEU:HG	6	0.44
(3,1106)	1:237:B:VAL:HG23	1:241:B:LEU:HG	9	0.44
(3,1106)	1:237:B:VAL:HG22	1:241:B:LEU:HG	10	0.44
(3,1106)	1:237:B:VAL:HG23	1:241:B:LEU:HG	12	0.44
(3,1106)	1:237:B:VAL:HG21	1:241:B:LEU:HG	13	0.44
(3,1106)	1:237:B:VAL:HG21	1:241:B:LEU:HG	14	0.44
(3,1106)	1:237:B:VAL:HG21	1:241:B:LEU:HG	15	0.44
(3,1106)	1:237:B:VAL:HG22	1:241:B:LEU:HG	16	0.44
(3,1106)	1:237:B:VAL:HG23	1:241:B:LEU:HG	17	0.44
(3,1106)	1:237:B:VAL:HG23	1:241:B:LEU:HG	18	0.44
(3,1106)	1:237:B:VAL:HG22	1:241:B:LEU:HG	19	0.44
(3,1106)	1:237:B:VAL:HG21	1:241:B:LEU:HG	20	0.44
(3,1105)	1:237:A:VAL:HG22	1:241:A:LEU:HG	1	0.44
(3,1105)	1:237:A:VAL:HG23	1:241:A:LEU:HG	3	0.44
(3,1105)	1:237:A:VAL:HG21	1:241:A:LEU:HG	4	0.44
(3,1105)	1:237:A:VAL:HG21	1:241:A:LEU:HG	6	0.44
(3,1105)	1:237:A:VAL:HG21	1:241:A:LEU:HG	7	0.44
(3,1105)	1:237:A:VAL:HG23	1:241:A:LEU:HG	8	0.44
(3,1105)	1:237:A:VAL:HG23	1:241:A:LEU:HG	9	0.44
(3,1105)	1:237:A:VAL:HG22	1:241:A:LEU:HG	10	0.44
(3,1105)	1:237:A:VAL:HG23	1:241:A:LEU:HG	12	0.44
(3,1105)	1:237:A:VAL:HG21	1:241:A:LEU:HG	14	0.44
(3,1105)	1:237:A:VAL:HG21	1:241:A:LEU:HG	15	0.44
(3,1105)	1:237:A:VAL:HG22	1:241:A:LEU:HG	16	0.44
(3,1105)	1:237:A:VAL:HG23	1:241:A:LEU:HG	17	0.44
(3,1105)	1:237:A:VAL:HG23	1:241:A:LEU:HG	18	0.44
(3,1105)	1:237:A:VAL:HG22	1:241:A:LEU:HG	19	0.44
(3,1105)	1:237:A:VAL:HG21	1:241:A:LEU:HG	20	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1090)	1:237:B:VAL:HG23	1:237:B:VAL:HB	5	0.44
(3,1090)	1:237:B:VAL:HG22	1:237:B:VAL:HB	6	0.44
(3,1090)	1:237:B:VAL:HG22	1:237:B:VAL:HB	7	0.44
(3,1090)	1:237:B:VAL:HG23	1:237:B:VAL:HB	11	0.44
(3,1090)	1:237:B:VAL:HG22	1:237:B:VAL:HB	13	0.44
(3,1090)	1:237:B:VAL:HG22	1:237:B:VAL:HB	14	0.44
(3,1090)	1:237:B:VAL:HG22	1:237:B:VAL:HB	15	0.44
(3,1090)	1:237:B:VAL:HG21	1:237:B:VAL:HB	18	0.44
(3,1090)	1:237:B:VAL:HG22	1:237:B:VAL:HB	20	0.44
(3,1089)	1:237:A:VAL:HG21	1:237:A:VAL:HB	3	0.44
(3,1089)	1:237:A:VAL:HG23	1:237:A:VAL:HB	5	0.44
(3,1089)	1:237:A:VAL:HG22	1:237:A:VAL:HB	6	0.44
(3,1089)	1:237:A:VAL:HG22	1:237:A:VAL:HB	7	0.44
(3,1089)	1:237:A:VAL:HG23	1:237:A:VAL:HB	11	0.44
(3,1089)	1:237:A:VAL:HG22	1:237:A:VAL:HB	13	0.44
(3,1089)	1:237:A:VAL:HG22	1:237:A:VAL:HB	14	0.44
(3,1089)	1:237:A:VAL:HG22	1:237:A:VAL:HB	15	0.44
(3,1089)	1:237:A:VAL:HG21	1:237:A:VAL:HB	18	0.44
(3,1089)	1:237:A:VAL:HG22	1:237:A:VAL:HB	20	0.44
(3,1080)	1:249:B:VAL:HG21	1:249:B:VAL:HB	1	0.44
(3,1080)	1:249:B:VAL:HG21	1:249:B:VAL:HB	20	0.44
(3,1079)	1:249:A:VAL:HG21	1:249:A:VAL:HB	1	0.44
(3,1079)	1:249:A:VAL:HG21	1:249:A:VAL:HB	20	0.44
(3,1074)	1:249:B:VAL:HB	1:253:B:ASP:HB3	3	0.44
(3,1056)	1:246:B:ASP:HA	1:249:B:VAL:HG13	10	0.44
(3,1055)	1:246:A:ASP:HA	1:249:A:VAL:HG13	1	0.44
(3,1055)	1:246:A:ASP:HA	1:249:A:VAL:HG13	10	0.44
(3,888)	1:266:B:GLN:HG3	1:266:B:GLN:H	1	0.44
(3,887)	1:266:A:GLN:HG3	1:266:A:GLN:H	1	0.44
(3,326)	1:227:B:ALA:HB1	1:223:A:LEU:HD22	11	0.44
(3,325)	1:227:A:ALA:HB1	1:223:B:LEU:HD22	11	0.44
(3,235)	1:244:A:ILE:HG22	1:244:B:ILE:HD13	7	0.44
(3,138)	1:248:B:PHE:HZ	1:244:A:ILE:HG21	4	0.44
(1,2220)	1:255:B:PHE:HA	1:258:B:LEU:HD21	12	0.44
(1,2219)	1:255:A:PHE:HA	1:258:A:LEU:HD21	12	0.44
(1,2210)	1:216:B:LEU:HB2	1:216:B:LEU:HD13	12	0.44
(1,2209)	1:216:A:LEU:HB2	1:216:A:LEU:HD11	9	0.44
(1,2209)	1:216:A:LEU:HB2	1:216:A:LEU:HD13	12	0.44
(1,2086)	1:228:B:LYS:HE2	1:225:B:VAL:HG22	3	0.44
(1,1959)	1:256:A:GLU:HG2	1:252:A:LYS:HE3	10	0.44
(1,1831)	1:240:A:ARG:HD2	1:241:B:LEU:HD13	16	0.44
(1,1736)	1:259:B:ARG:HD2	1:260:B:THR:HG23	5	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1736)	1:259:B:ARG:HD2	1:260:B:THR:HG21	16	0.44
(1,1578)	1:216:B:LEU:HD21	1:213:B:ASN:HA	2	0.44
(1,1548)	1:223:B:LEU:HD11	1:220:A:ILE:HG12	20	0.44
(1,1547)	1:223:A:LEU:HD13	1:220:B:ILE:HG12	18	0.44
(1,1355)	1:269:A:LEU:HD12	1:268:B:LYS:HE3	9	0.44
(1,1329)	1:269:A:LEU:HD11	1:264:B:GLU:HG3	1	0.44
(1,1298)	1:216:B:LEU:HD13	1:213:A:ASN:HD21	8	0.44
(1,1207)	1:247:A:ASP:HB2	1:244:A:ILE:HG21	8	0.44
(1,1180)	1:245:B:THR:HG22	1:244:B:ILE:HG22	4	0.44
(1,1170)	1:225:B:VAL:HG23	1:228:B:LYS:HB2	4	0.44
(1,1170)	1:225:B:VAL:HG21	1:228:B:LYS:HB2	11	0.44
(1,1169)	1:225:A:VAL:HG23	1:228:A:LYS:HB2	4	0.44
(1,1169)	1:225:A:VAL:HG21	1:228:A:LYS:HB2	11	0.44
(1,1168)	1:221:B:ASN:HB3	1:225:B:VAL:HG23	19	0.44
(1,1166)	1:225:B:VAL:HG23	1:222:B:SER:HB3	1	0.44
(1,1165)	1:225:A:VAL:HG23	1:222:A:SER:HB3	1	0.44
(1,1151)	1:237:A:VAL:HG12	1:233:B:PHE:HZ	6	0.44
(1,1124)	1:237:B:VAL:HG13	1:235:B:GLU:HB2	15	0.44
(1,1118)	1:210:B:LEU:HD22	1:210:B:LEU:HB3	4	0.44
(1,1118)	1:210:B:LEU:HD22	1:210:B:LEU:HB3	5	0.44
(1,1118)	1:210:B:LEU:HD23	1:210:B:LEU:HB3	8	0.44
(1,1118)	1:210:B:LEU:HD23	1:210:B:LEU:HB3	14	0.44
(1,1117)	1:210:A:LEU:HD22	1:210:A:LEU:HB3	4	0.44
(1,1117)	1:210:A:LEU:HD21	1:210:A:LEU:HB3	6	0.44
(1,1117)	1:210:A:LEU:HD23	1:210:A:LEU:HB3	8	0.44
(1,1117)	1:210:A:LEU:HD23	1:210:A:LEU:HB3	14	0.44
(1,1022)	1:266:B:GLN:HG3	1:262:B:LEU:HD11	4	0.44
(1,1021)	1:266:A:GLN:HG3	1:262:A:LEU:HD11	4	0.44
(1,1021)	1:266:A:GLN:HG3	1:262:A:LEU:HD11	10	0.44
(1,875)	1:212:A:GLU:HA	1:208:A:ARG:HG3	16	0.44
(1,758)	1:256:B:GLU:HG2	1:252:B:LYS:HE3	3	0.44
(1,624)	1:264:B:GLU:HG3	1:268:B:LYS:HD2	5	0.44
(1,574)	1:260:B:THR:HG23	1:260:B:THR:HB	15	0.44
(1,251)	1:263:A:SER:HB3	1:258:B:LEU:HD22	6	0.44
(1,251)	1:263:A:SER:HB3	1:258:B:LEU:HD21	14	0.44
(1,123)	1:255:A:PHE:HE2	1:259:A:ARG:HD3	14	0.44
(1,65)	1:255:A:PHE:HD2	1:259:A:ARG:HD3	14	0.44
(3,2392)	1:272:B:GLN:HB3	1:272:B:GLN:H	13	0.43
(3,2391)	1:272:A:GLN:HB3	1:272:A:GLN:H	13	0.43
(3,1954)	1:216:B:LEU:HB3	1:216:B:LEU:HD21	9	0.43
(3,1954)	1:216:B:LEU:HB3	1:216:B:LEU:HD22	18	0.43
(3,1953)	1:216:A:LEU:HB3	1:216:A:LEU:HD21	9	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1953)	1:216:A:LEU:HB3	1:216:A:LEU:HD23	12	0.43
(3,1953)	1:216:A:LEU:HB3	1:216:A:LEU:HD22	18	0.43
(3,1944)	1:258:B:LEU:HD13	1:261:B:GLU:HB3	16	0.43
(3,1943)	1:258:A:LEU:HD11	1:261:A:GLU:HB3	13	0.43
(3,1943)	1:258:A:LEU:HD13	1:261:A:GLU:HB3	16	0.43
(3,1428)	1:241:B:LEU:HD22	1:237:B:VAL:HG22	19	0.43
(3,1427)	1:241:A:LEU:HD22	1:237:A:VAL:HG22	19	0.43
(3,1330)	1:258:B:LEU:HD13	1:259:A:ARG:HA	2	0.43
(3,1271)	1:217:A:GLN:HA	1:220:A:ILE:HG23	5	0.43
(3,1174)	1:222:B:SER:HA	1:225:B:VAL:HG22	5	0.43
(3,1174)	1:222:B:SER:HA	1:225:B:VAL:HG22	15	0.43
(3,1174)	1:222:B:SER:HA	1:225:B:VAL:HG22	18	0.43
(3,1174)	1:222:B:SER:HA	1:225:B:VAL:HG23	19	0.43
(3,1173)	1:222:A:SER:HA	1:225:A:VAL:HG22	5	0.43
(3,1173)	1:222:A:SER:HA	1:225:A:VAL:HG22	18	0.43
(3,1170)	1:225:B:VAL:HG12	1:221:B:ASN:HD21	12	0.43
(3,1169)	1:225:A:VAL:HG12	1:221:A:ASN:HD21	12	0.43
(3,1106)	1:237:B:VAL:HG21	1:241:B:LEU:HG	4	0.43
(3,1106)	1:237:B:VAL:HG22	1:241:B:LEU:HG	5	0.43
(3,1106)	1:237:B:VAL:HG23	1:241:B:LEU:HG	8	0.43
(3,1105)	1:237:A:VAL:HG23	1:241:A:LEU:HG	2	0.43
(3,1105)	1:237:A:VAL:HG22	1:241:A:LEU:HG	5	0.43
(3,1105)	1:237:A:VAL:HG21	1:241:A:LEU:HG	13	0.43
(3,1090)	1:237:B:VAL:HG21	1:237:B:VAL:HB	2	0.43
(3,1090)	1:237:B:VAL:HG21	1:237:B:VAL:HB	3	0.43
(3,1090)	1:237:B:VAL:HG21	1:237:B:VAL:HB	8	0.43
(3,1090)	1:237:B:VAL:HG23	1:237:B:VAL:HB	10	0.43
(3,1089)	1:237:A:VAL:HG21	1:237:A:VAL:HB	2	0.43
(3,1089)	1:237:A:VAL:HG21	1:237:A:VAL:HB	8	0.43
(3,1089)	1:237:A:VAL:HG23	1:237:A:VAL:HB	10	0.43
(3,1073)	1:249:A:VAL:HB	1:253:A:ASP:HB3	3	0.43
(3,1068)	1:222:B:SER:HA	1:225:B:VAL:HG11	15	0.43
(3,1068)	1:222:B:SER:HA	1:225:B:VAL:HG13	19	0.43
(3,1067)	1:222:A:SER:HA	1:225:A:VAL:HG13	1	0.43
(3,1067)	1:222:A:SER:HA	1:225:A:VAL:HG11	15	0.43
(3,1067)	1:222:A:SER:HA	1:225:A:VAL:HG13	19	0.43
(3,1055)	1:246:A:ASP:HA	1:249:A:VAL:HG11	6	0.43
(3,1055)	1:246:A:ASP:HA	1:249:A:VAL:HG13	11	0.43
(3,1027)	1:225:A:VAL:HG11	1:228:A:LYS:H	9	0.43
(3,378)	1:234:B:ASN:HB2	1:233:A:PHE:HZ	1	0.43
(3,310)	1:265:B:ALA:HB2	1:268:B:LYS:H	11	0.43
(3,309)	1:265:A:ALA:HB2	1:268:A:LYS:H	11	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,236)	1:244:B:ILE:HG22	1:244:A:ILE:HD12	2	0.43
(1,2220)	1:255:B:PHE:HA	1:258:B:LEU:HD21	10	0.43
(1,2219)	1:255:A:PHE:HA	1:258:A:LEU:HD21	10	0.43
(1,2210)	1:216:B:LEU:HB2	1:216:B:LEU:HD13	7	0.43
(1,2209)	1:216:A:LEU:HB2	1:216:A:LEU:HD13	7	0.43
(1,2038)	1:250:B:LYS:HE3	1:249:B:VAL:HA	17	0.43
(1,2037)	1:250:A:LYS:HE3	1:249:A:VAL:HA	17	0.43
(1,1960)	1:256:B:GLU:HG2	1:252:B:LYS:HE3	10	0.43
(1,1831)	1:240:A:ARG:HD2	1:241:B:LEU:HD13	14	0.43
(1,1735)	1:259:A:ARG:HD2	1:260:A:THR:HG23	5	0.43
(1,1533)	1:223:A:LEU:HD23	1:231:B:GLN:H	9	0.43
(1,1365)	1:212:A:GLU:HB3	1:216:A:LEU:HD12	11	0.43
(1,1330)	1:269:B:LEU:HD11	1:264:A:GLU:HG3	1	0.43
(1,1292)	1:269:B:LEU:HD12	1:270:B:ARG:H	11	0.43
(1,1291)	1:269:A:LEU:HD12	1:270:A:ARG:H	11	0.43
(1,1208)	1:247:B:ASP:HB2	1:244:B:ILE:HG21	8	0.43
(1,1123)	1:237:A:VAL:HG13	1:235:A:GLU:HB2	15	0.43
(1,1117)	1:210:A:LEU:HD22	1:210:A:LEU:HB3	5	0.43
(1,1022)	1:266:B:GLN:HG3	1:262:B:LEU:HD11	10	0.43
(1,965)	1:217:A:GLN:HG2	1:220:A:ILE:HA	1	0.43
(1,876)	1:212:B:GLU:HA	1:208:B:ARG:HG3	16	0.43
(1,757)	1:256:A:GLU:HG2	1:252:A:LYS:HE3	3	0.43
(1,574)	1:260:B:THR:HG21	1:260:B:THR:HB	1	0.43
(1,574)	1:260:B:THR:HG22	1:260:B:THR:HB	17	0.43
(1,573)	1:260:A:THR:HG21	1:260:A:THR:HB	1	0.43
(1,573)	1:260:A:THR:HG23	1:260:A:THR:HB	15	0.43
(1,573)	1:260:A:THR:HG22	1:260:A:THR:HB	17	0.43
(1,527)	1:251:A:MET:HE3	1:248:B:PHE:HE1	7	0.43
(1,414)	1:234:B:ASN:HA	1:237:A:VAL:HG11	8	0.43
(1,414)	1:234:B:ASN:HA	1:237:A:VAL:HG11	14	0.43
(1,413)	1:234:A:ASN:HA	1:237:B:VAL:HG11	8	0.43
(1,252)	1:263:B:SER:HB3	1:262:B:LEU:HD12	9	0.43
(1,251)	1:263:A:SER:HB3	1:262:A:LEU:HD12	9	0.43
(1,124)	1:255:B:PHE:HE2	1:259:B:ARG:HD3	14	0.43
(1,77)	1:255:A:PHE:HD1	1:258:B:LEU:HD23	7	0.43
(1,66)	1:255:B:PHE:HD2	1:259:B:ARG:HD3	14	0.43
(1,38)	1:210:B:LEU:HD23	1:209:A:LEU:HB3	5	0.43
(1,37)	1:210:A:LEU:HD23	1:209:B:LEU:HB3	5	0.43
(3,1954)	1:216:B:LEU:HB3	1:216:B:LEU:HD23	12	0.42
(3,1943)	1:258:A:LEU:HD12	1:261:A:GLU:HB3	7	0.42
(3,1893)	1:222:A:SER:HB2	1:219:A:LYS:HG2	13	0.42
(3,1670)	1:240:B:ARG:HD3	1:236:B:TYR:HD2	15	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1447)	1:241:A:LEU:HD23	1:240:B:ARG:HD2	4	0.42
(3,1428)	1:241:B:LEU:HD23	1:237:B:VAL:HG23	9	0.42
(3,1428)	1:241:B:LEU:HD22	1:237:B:VAL:HG23	17	0.42
(3,1427)	1:241:A:LEU:HD23	1:237:A:VAL:HG23	9	0.42
(3,1427)	1:241:A:LEU:HD22	1:237:A:VAL:HG23	17	0.42
(3,1329)	1:258:A:LEU:HD11	1:259:B:ARG:HA	5	0.42
(3,1261)	1:224:A:GLU:HG3	1:220:A:ILE:HG23	17	0.42
(3,1100)	1:237:B:VAL:HG23	1:241:B:LEU:HD13	18	0.42
(3,1099)	1:237:A:VAL:HG23	1:241:A:LEU:HD13	18	0.42
(3,1080)	1:249:B:VAL:HG22	1:249:B:VAL:HB	4	0.42
(3,1080)	1:249:B:VAL:HG22	1:249:B:VAL:HB	13	0.42
(3,1079)	1:249:A:VAL:HG22	1:249:A:VAL:HB	4	0.42
(3,1079)	1:249:A:VAL:HG22	1:249:A:VAL:HB	13	0.42
(3,1068)	1:222:B:SER:HA	1:225:B:VAL:HG12	8	0.42
(3,1056)	1:246:B:ASP:HA	1:249:B:VAL:HG11	6	0.42
(3,1056)	1:246:B:ASP:HA	1:249:B:VAL:HG13	11	0.42
(3,1028)	1:225:B:VAL:HG11	1:228:B:LYS:H	9	0.42
(3,613)	1:214:A:GLU:HG2	1:210:A:LEU:HG	19	0.42
(3,560)	1:257:B:THR:HG23	1:261:B:GLU:HG2	6	0.42
(3,236)	1:244:B:ILE:HG23	1:244:A:ILE:HD11	15	0.42
(3,235)	1:244:A:ILE:HG23	1:244:B:ILE:HD11	15	0.42
(1,2290)	1:208:B:ARG:HA	1:211:B:ALA:H	8	0.42
(1,2290)	1:208:B:ARG:HA	1:211:B:ALA:H	9	0.42
(1,2289)	1:208:A:ARG:HA	1:211:A:ALA:H	8	0.42
(1,2289)	1:208:A:ARG:HA	1:211:A:ALA:H	9	0.42
(1,2085)	1:228:A:LYS:HE3	1:225:A:VAL:HG23	12	0.42
(1,1832)	1:240:B:ARG:HD2	1:241:A:LEU:HD13	16	0.42
(1,1694)	1:267:B:GLN:HA	1:270:B:ARG:HD3	19	0.42
(1,1693)	1:267:A:GLN:HA	1:270:A:ARG:HD3	19	0.42
(1,1580)	1:216:B:LEU:HD23	1:213:A:ASN:HB3	20	0.42
(1,1534)	1:223:B:LEU:HD23	1:231:A:GLN:H	9	0.42
(1,1366)	1:212:B:GLU:HB3	1:216:B:LEU:HD12	11	0.42
(1,1356)	1:269:B:LEU:HD12	1:268:A:LYS:HE3	9	0.42
(1,1297)	1:216:A:LEU:HD13	1:213:B:ASN:HD21	8	0.42
(1,1168)	1:221:B:ASN:HB3	1:225:B:VAL:HG22	18	0.42
(1,1167)	1:221:A:ASN:HB3	1:225:A:VAL:HG21	14	0.42
(1,1167)	1:221:A:ASN:HB3	1:225:A:VAL:HG22	18	0.42
(1,1144)	1:237:B:VAL:HG21	1:233:B:PHE:HE2	18	0.42
(1,1144)	1:237:B:VAL:HG23	1:233:B:PHE:HE1	19	0.42
(1,1143)	1:237:A:VAL:HG21	1:233:A:PHE:HE2	18	0.42
(1,1124)	1:237:B:VAL:HG11	1:235:B:GLU:HB2	18	0.42
(1,1123)	1:237:A:VAL:HG11	1:235:A:GLU:HB2	18	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1117)	1:210:A:LEU:HD21	1:210:A:LEU:HB3	9	0.42
(1,1042)	1:238:B:GLN:HG3	1:237:B:VAL:HA	2	0.42
(1,1041)	1:267:A:GLN:HG3	1:268:A:LYS:HE3	2	0.42
(1,966)	1:217:B:GLN:HG2	1:220:B:ILE:HA	1	0.42
(1,574)	1:260:B:THR:HG22	1:260:B:THR:HB	2	0.42
(1,574)	1:260:B:THR:HG21	1:260:B:THR:HB	3	0.42
(1,574)	1:260:B:THR:HG21	1:260:B:THR:HB	6	0.42
(1,574)	1:260:B:THR:HG21	1:260:B:THR:HB	9	0.42
(1,574)	1:260:B:THR:HG22	1:260:B:THR:HB	13	0.42
(1,574)	1:260:B:THR:HG23	1:260:B:THR:HB	16	0.42
(1,574)	1:260:B:THR:HG23	1:260:B:THR:HB	19	0.42
(1,574)	1:260:B:THR:HG21	1:260:B:THR:HB	20	0.42
(1,573)	1:260:A:THR:HG22	1:260:A:THR:HB	2	0.42
(1,573)	1:260:A:THR:HG21	1:260:A:THR:HB	3	0.42
(1,573)	1:260:A:THR:HG21	1:260:A:THR:HB	6	0.42
(1,573)	1:260:A:THR:HG21	1:260:A:THR:HB	9	0.42
(1,573)	1:260:A:THR:HG23	1:260:A:THR:HB	12	0.42
(1,573)	1:260:A:THR:HG22	1:260:A:THR:HB	13	0.42
(1,573)	1:260:A:THR:HG21	1:260:A:THR:HB	14	0.42
(1,573)	1:260:A:THR:HG23	1:260:A:THR:HB	16	0.42
(1,573)	1:260:A:THR:HG21	1:260:A:THR:HB	20	0.42
(1,413)	1:234:A:ASN:HA	1:237:B:VAL:HG11	14	0.42
(1,296)	1:265:B:ALA:HB2	1:269:A:LEU:HD11	16	0.42
(1,296)	1:265:B:ALA:HB1	1:269:A:LEU:HD11	17	0.42
(1,295)	1:265:A:ALA:HB1	1:269:B:LEU:HD11	13	0.42
(1,295)	1:265:A:ALA:HB2	1:269:B:LEU:HD11	16	0.42
(1,252)	1:263:B:SER:HB3	1:258:A:LEU:HD22	3	0.42
(1,251)	1:263:A:SER:HB3	1:262:A:LEU:HD11	3	0.42
(1,251)	1:263:A:SER:HB3	1:262:A:LEU:HD13	15	0.42
(3,1944)	1:258:B:LEU:HD12	1:261:B:GLU:HB3	7	0.41
(3,1894)	1:222:B:SER:HB2	1:219:B:LYS:HG2	13	0.41
(3,1669)	1:240:A:ARG:HD3	1:236:A:TYR:HD2	15	0.41
(3,1448)	1:241:B:LEU:HD21	1:240:A:ARG:HD2	19	0.41
(3,1428)	1:241:B:LEU:HD21	1:237:B:VAL:HG21	4	0.41
(3,1427)	1:241:A:LEU:HD21	1:237:A:VAL:HG21	4	0.41
(3,1330)	1:258:B:LEU:HD11	1:259:A:ARG:HA	15	0.41
(3,1329)	1:258:A:LEU:HD11	1:259:B:ARG:HA	6	0.41
(3,1324)	1:266:B:GLN:HG3	1:262:B:LEU:HD12	8	0.41
(3,1262)	1:224:B:GLU:HG3	1:220:B:ILE:HG23	17	0.41
(3,1174)	1:222:B:SER:HA	1:225:B:VAL:HG21	13	0.41
(3,1173)	1:222:A:SER:HA	1:225:A:VAL:HG21	13	0.41
(3,1170)	1:225:B:VAL:HG13	1:221:B:ASN:HD21	7	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1100)	1:237:B:VAL:HG22	1:241:B:LEU:HD11	1	0.41
(3,1100)	1:237:B:VAL:HG23	1:241:B:LEU:HD11	2	0.41
(3,1100)	1:237:B:VAL:HG22	1:241:B:LEU:HD11	5	0.41
(3,1100)	1:237:B:VAL:HG21	1:241:B:LEU:HD11	6	0.41
(3,1100)	1:237:B:VAL:HG21	1:241:B:LEU:HD12	7	0.41
(3,1100)	1:237:B:VAL:HG23	1:241:B:LEU:HD11	9	0.41
(3,1100)	1:237:B:VAL:HG22	1:241:B:LEU:HD13	10	0.41
(3,1100)	1:237:B:VAL:HG22	1:241:B:LEU:HD13	11	0.41
(3,1100)	1:237:B:VAL:HG21	1:241:B:LEU:HD13	15	0.41
(3,1100)	1:237:B:VAL:HG21	1:241:B:LEU:HD12	20	0.41
(3,1099)	1:237:A:VAL:HG22	1:241:A:LEU:HD11	1	0.41
(3,1099)	1:237:A:VAL:HG23	1:241:A:LEU:HD11	2	0.41
(3,1099)	1:237:A:VAL:HG23	1:241:A:LEU:HD11	3	0.41
(3,1099)	1:237:A:VAL:HG22	1:241:A:LEU:HD11	5	0.41
(3,1099)	1:237:A:VAL:HG21	1:241:A:LEU:HD12	7	0.41
(3,1099)	1:237:A:VAL:HG23	1:241:A:LEU:HD12	8	0.41
(3,1099)	1:237:A:VAL:HG23	1:241:A:LEU:HD11	9	0.41
(3,1099)	1:237:A:VAL:HG22	1:241:A:LEU:HD13	10	0.41
(3,1099)	1:237:A:VAL:HG22	1:241:A:LEU:HD13	11	0.41
(3,1099)	1:237:A:VAL:HG21	1:241:A:LEU:HD13	15	0.41
(3,1099)	1:237:A:VAL:HG22	1:241:A:LEU:HD12	16	0.41
(3,1099)	1:237:A:VAL:HG23	1:241:A:LEU:HD13	17	0.41
(3,1099)	1:237:A:VAL:HG21	1:241:A:LEU:HD12	20	0.41
(3,1080)	1:249:B:VAL:HG22	1:249:B:VAL:HB	5	0.41
(3,1080)	1:249:B:VAL:HG22	1:249:B:VAL:HB	10	0.41
(3,1079)	1:249:A:VAL:HG22	1:249:A:VAL:HB	5	0.41
(3,1079)	1:249:A:VAL:HG22	1:249:A:VAL:HB	10	0.41
(3,1068)	1:222:B:SER:HA	1:225:B:VAL:HG13	1	0.41
(3,1067)	1:222:A:SER:HA	1:225:A:VAL:HG12	8	0.41
(3,1056)	1:246:B:ASP:HA	1:249:B:VAL:HG13	18	0.41
(3,1055)	1:246:A:ASP:HA	1:249:A:VAL:HG12	14	0.41
(3,1055)	1:246:A:ASP:HA	1:249:A:VAL:HG13	18	0.41
(3,614)	1:214:B:GLU:HG2	1:210:B:LEU:HG	19	0.41
(3,560)	1:257:B:THR:HG22	1:261:B:GLU:HG2	12	0.41
(3,236)	1:244:B:ILE:HG21	1:244:A:ILE:HD13	9	0.41
(3,235)	1:244:A:ILE:HG21	1:244:B:ILE:HD13	9	0.41
(3,137)	1:248:A:PHE:HZ	1:244:B:ILE:HG21	4	0.41
(1,2290)	1:208:B:ARG:HA	1:211:B:ALA:H	13	0.41
(1,2289)	1:208:A:ARG:HA	1:211:A:ALA:H	13	0.41
(1,2220)	1:255:B:PHE:HA	1:258:B:LEU:HD21	5	0.41
(1,2219)	1:255:A:PHE:HA	1:258:A:LEU:HD21	5	0.41
(1,2086)	1:228:B:LYS:HE3	1:225:B:VAL:HG23	12	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1978)	1:219:B:LYS:HE3	1:216:B:LEU:HD23	13	0.41
(1,1977)	1:219:A:LYS:HE3	1:216:A:LEU:HD23	13	0.41
(1,1832)	1:240:B:ARG:HD2	1:241:A:LEU:HD13	14	0.41
(1,1802)	1:243:B:ARG:HD2	1:239:B:GLU:HB3	20	0.41
(1,1801)	1:243:A:ARG:HD2	1:239:A:GLU:HB3	20	0.41
(1,1736)	1:259:B:ARG:HD2	1:260:B:THR:HG22	3	0.41
(1,1547)	1:223:A:LEU:HD11	1:220:B:ILE:HG12	20	0.41
(1,1356)	1:269:B:LEU:HD12	1:268:A:LYS:HE3	3	0.41
(1,1171)	1:225:A:VAL:HG23	1:228:A:LYS:HD2	20	0.41
(1,1170)	1:225:B:VAL:HG21	1:228:B:LYS:HB2	10	0.41
(1,1169)	1:225:A:VAL:HG21	1:228:A:LYS:HB2	10	0.41
(1,1168)	1:221:B:ASN:HB3	1:225:B:VAL:HG21	14	0.41
(1,1167)	1:221:A:ASN:HB3	1:225:A:VAL:HG22	15	0.41
(1,1152)	1:237:B:VAL:HG12	1:233:A:PHE:HZ	6	0.41
(1,1143)	1:237:A:VAL:HG23	1:233:A:PHE:HE1	19	0.41
(1,1118)	1:210:B:LEU:HD21	1:210:B:LEU:HB3	9	0.41
(1,962)	1:217:B:GLN:HG3	1:214:B:GLU:HA	12	0.41
(1,961)	1:217:A:GLN:HG3	1:214:A:GLU:HA	12	0.41
(1,858)	1:224:B:GLU:HG3	1:220:B:ILE:HG23	18	0.41
(1,668)	1:264:B:GLU:HG3	1:268:B:LYS:HE2	9	0.41
(1,667)	1:264:A:GLU:HG3	1:268:A:LYS:HE2	9	0.41
(1,626)	1:214:B:GLU:HG2	1:210:B:LEU:HD13	18	0.41
(1,625)	1:214:A:GLU:HG2	1:210:A:LEU:HD13	18	0.41
(1,574)	1:260:B:THR:HG22	1:260:B:THR:HB	4	0.41
(1,574)	1:260:B:THR:HG21	1:260:B:THR:HB	7	0.41
(1,574)	1:260:B:THR:HG23	1:260:B:THR:HB	8	0.41
(1,574)	1:260:B:THR:HG23	1:260:B:THR:HB	10	0.41
(1,574)	1:260:B:THR:HG23	1:260:B:THR:HB	12	0.41
(1,574)	1:260:B:THR:HG21	1:260:B:THR:HB	14	0.41
(1,574)	1:260:B:THR:HG22	1:260:B:THR:HB	18	0.41
(1,573)	1:260:A:THR:HG22	1:260:A:THR:HB	4	0.41
(1,573)	1:260:A:THR:HG21	1:260:A:THR:HB	7	0.41
(1,573)	1:260:A:THR:HG23	1:260:A:THR:HB	8	0.41
(1,573)	1:260:A:THR:HG23	1:260:A:THR:HB	10	0.41
(1,573)	1:260:A:THR:HG22	1:260:A:THR:HB	18	0.41
(1,573)	1:260:A:THR:HG23	1:260:A:THR:HB	19	0.41
(1,524)	1:251:B:MET:HE3	1:248:B:PHE:HA	7	0.41
(1,524)	1:251:B:MET:HE2	1:248:B:PHE:HA	11	0.41
(1,523)	1:251:A:MET:HE3	1:248:A:PHE:HA	7	0.41
(1,523)	1:251:A:MET:HE2	1:248:A:PHE:HA	11	0.41
(1,413)	1:234:A:ASN:HA	1:237:B:VAL:HG13	11	0.41
(1,370)	1:221:B:ASN:HB3	1:224:B:GLU:HB3	15	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,369)	1:221:A:ASN:HB3	1:224:A:GLU:HB3	15	0.41
(1,296)	1:265:B:ALA:HB3	1:269:A:LEU:HD11	1	0.41
(1,296)	1:265:B:ALA:HB2	1:269:A:LEU:HD11	2	0.41
(1,296)	1:265:B:ALA:HB1	1:269:A:LEU:HD11	3	0.41
(1,296)	1:265:B:ALA:HB1	1:269:A:LEU:HD11	4	0.41
(1,296)	1:265:B:ALA:HB2	1:269:A:LEU:HD12	5	0.41
(1,296)	1:265:B:ALA:HB2	1:269:A:LEU:HD11	6	0.41
(1,296)	1:265:B:ALA:HB3	1:269:A:LEU:HD11	7	0.41
(1,296)	1:265:B:ALA:HB1	1:269:A:LEU:HD13	8	0.41
(1,296)	1:265:B:ALA:HB3	1:269:A:LEU:HD11	10	0.41
(1,296)	1:265:B:ALA:HB1	1:269:A:LEU:HD11	13	0.41
(1,296)	1:265:B:ALA:HB3	1:269:A:LEU:HD12	15	0.41
(1,296)	1:265:B:ALA:HB3	1:269:A:LEU:HD12	18	0.41
(1,296)	1:265:B:ALA:HB3	1:269:A:LEU:HD13	19	0.41
(1,295)	1:265:A:ALA:HB3	1:269:B:LEU:HD11	1	0.41
(1,295)	1:265:A:ALA:HB2	1:269:B:LEU:HD11	2	0.41
(1,295)	1:265:A:ALA:HB1	1:269:B:LEU:HD11	3	0.41
(1,295)	1:265:A:ALA:HB1	1:269:B:LEU:HD11	4	0.41
(1,295)	1:265:A:ALA:HB3	1:269:B:LEU:HD11	9	0.41
(1,295)	1:265:A:ALA:HB3	1:269:B:LEU:HD11	10	0.41
(1,295)	1:265:A:ALA:HB2	1:269:B:LEU:HD13	11	0.41
(1,295)	1:265:A:ALA:HB1	1:269:B:LEU:HD11	12	0.41
(1,295)	1:265:A:ALA:HB3	1:269:B:LEU:HD12	15	0.41
(1,295)	1:265:A:ALA:HB1	1:269:B:LEU:HD11	17	0.41
(1,295)	1:265:A:ALA:HB3	1:269:B:LEU:HD12	18	0.41
(1,295)	1:265:A:ALA:HB3	1:269:B:LEU:HD13	19	0.41
(1,295)	1:265:A:ALA:HB3	1:269:B:LEU:HD11	20	0.41
(1,252)	1:263:B:SER:HB3	1:258:A:LEU:HD22	6	0.41
(1,252)	1:263:B:SER:HB3	1:262:B:LEU:HD13	15	0.41
(1,251)	1:263:A:SER:HB3	1:258:B:LEU:HD22	2	0.41
(1,201)	1:255:A:PHE:HZ	1:251:B:MET:HE3	2	0.41
(1,78)	1:255:B:PHE:HD1	1:258:A:LEU:HD23	7	0.41
(3,2392)	1:272:B:GLN:HB3	1:272:B:GLN:H	15	0.4
(3,2392)	1:272:B:GLN:HB3	1:272:B:GLN:H	19	0.4
(3,2391)	1:272:A:GLN:HB3	1:272:A:GLN:H	15	0.4
(3,2391)	1:272:A:GLN:HB3	1:272:A:GLN:H	19	0.4
(3,1963)	1:249:A:VAL:HG22	1:252:A:LYS:HB3	9	0.4
(3,1952)	1:216:B:LEU:HG	1:216:B:LEU:HD11	3	0.4
(3,1952)	1:216:B:LEU:HG	1:216:B:LEU:HD13	8	0.4
(3,1951)	1:216:A:LEU:HG	1:216:A:LEU:HD11	3	0.4
(3,1951)	1:216:A:LEU:HG	1:216:A:LEU:HD13	8	0.4
(3,1560)	1:223:B:LEU:HD21	1:223:B:LEU:HG	15	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1560)	1:223:B:LEU:HD23	1:223:B:LEU:HG	16	0.4
(3,1560)	1:223:B:LEU:HD22	1:223:B:LEU:HG	20	0.4
(3,1559)	1:223:A:LEU:HD22	1:223:A:LEU:HG	14	0.4
(3,1559)	1:223:A:LEU:HD21	1:223:A:LEU:HG	15	0.4
(3,1559)	1:223:A:LEU:HD23	1:223:A:LEU:HG	16	0.4
(3,1559)	1:223:A:LEU:HD22	1:223:A:LEU:HG	20	0.4
(3,1556)	1:223:B:LEU:HD11	1:223:A:LEU:HB3	10	0.4
(3,1556)	1:223:B:LEU:HD13	1:223:A:LEU:HB3	14	0.4
(3,1556)	1:223:B:LEU:HD13	1:223:A:LEU:HB3	20	0.4
(3,1428)	1:241:B:LEU:HD22	1:237:B:VAL:HG22	5	0.4
(3,1428)	1:241:B:LEU:HD21	1:237:B:VAL:HG21	6	0.4
(3,1428)	1:241:B:LEU:HD21	1:237:B:VAL:HG21	7	0.4
(3,1428)	1:241:B:LEU:HD22	1:237:B:VAL:HG23	12	0.4
(3,1428)	1:241:B:LEU:HD22	1:237:B:VAL:HG21	13	0.4
(3,1428)	1:241:B:LEU:HD21	1:237:B:VAL:HG21	14	0.4
(3,1428)	1:241:B:LEU:HD23	1:237:B:VAL:HG22	16	0.4
(3,1427)	1:241:A:LEU:HD22	1:237:A:VAL:HG22	5	0.4
(3,1427)	1:241:A:LEU:HD21	1:237:A:VAL:HG21	6	0.4
(3,1427)	1:241:A:LEU:HD21	1:237:A:VAL:HG21	7	0.4
(3,1427)	1:241:A:LEU:HD22	1:237:A:VAL:HG23	12	0.4
(3,1427)	1:241:A:LEU:HD22	1:237:A:VAL:HG21	13	0.4
(3,1427)	1:241:A:LEU:HD21	1:237:A:VAL:HG21	14	0.4
(3,1427)	1:241:A:LEU:HD23	1:237:A:VAL:HG22	16	0.4
(3,1330)	1:258:B:LEU:HD12	1:259:A:ARG:HA	9	0.4
(3,1329)	1:258:A:LEU:HD12	1:259:B:ARG:HA	1	0.4
(3,1329)	1:258:A:LEU:HD13	1:259:B:ARG:HA	2	0.4
(3,1329)	1:258:A:LEU:HD12	1:259:B:ARG:HA	9	0.4
(3,1329)	1:258:A:LEU:HD11	1:259:B:ARG:HA	15	0.4
(3,1323)	1:266:A:GLN:HG3	1:262:A:LEU:HD12	8	0.4
(3,1173)	1:222:A:SER:HA	1:225:A:VAL:HG21	8	0.4
(3,1107)	1:210:A:LEU:HD21	1:207:A:ASP:HB2	9	0.4
(3,1100)	1:237:B:VAL:HG23	1:241:B:LEU:HD11	3	0.4
(3,1100)	1:237:B:VAL:HG21	1:241:B:LEU:HD12	4	0.4
(3,1100)	1:237:B:VAL:HG23	1:241:B:LEU:HD12	8	0.4
(3,1100)	1:237:B:VAL:HG23	1:241:B:LEU:HD11	12	0.4
(3,1100)	1:237:B:VAL:HG21	1:241:B:LEU:HD11	13	0.4
(3,1100)	1:237:B:VAL:HG21	1:241:B:LEU:HD12	14	0.4
(3,1100)	1:237:B:VAL:HG22	1:241:B:LEU:HD12	16	0.4
(3,1100)	1:237:B:VAL:HG23	1:241:B:LEU:HD13	17	0.4
(3,1100)	1:237:B:VAL:HG22	1:241:B:LEU:HD13	19	0.4
(3,1099)	1:237:A:VAL:HG21	1:241:A:LEU:HD12	4	0.4
(3,1099)	1:237:A:VAL:HG21	1:241:A:LEU:HD11	6	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1099)	1:237:A:VAL:HG23	1:241:A:LEU:HD11	12	0.4
(3,1099)	1:237:A:VAL:HG21	1:241:A:LEU:HD11	13	0.4
(3,1099)	1:237:A:VAL:HG21	1:241:A:LEU:HD12	14	0.4
(3,1099)	1:237:A:VAL:HG22	1:241:A:LEU:HD13	19	0.4
(3,1080)	1:249:B:VAL:HG22	1:249:B:VAL:HB	2	0.4
(3,1080)	1:249:B:VAL:HG22	1:249:B:VAL:HB	7	0.4
(3,1080)	1:249:B:VAL:HG22	1:249:B:VAL:HB	8	0.4
(3,1080)	1:249:B:VAL:HG22	1:249:B:VAL:HB	11	0.4
(3,1080)	1:249:B:VAL:HG22	1:249:B:VAL:HB	12	0.4
(3,1080)	1:249:B:VAL:HG22	1:249:B:VAL:HB	15	0.4
(3,1080)	1:249:B:VAL:HG23	1:249:B:VAL:HB	16	0.4
(3,1080)	1:249:B:VAL:HG21	1:249:B:VAL:HB	17	0.4
(3,1080)	1:249:B:VAL:HG21	1:249:B:VAL:HB	19	0.4
(3,1079)	1:249:A:VAL:HG22	1:249:A:VAL:HB	2	0.4
(3,1079)	1:249:A:VAL:HG21	1:249:A:VAL:HB	6	0.4
(3,1079)	1:249:A:VAL:HG22	1:249:A:VAL:HB	7	0.4
(3,1079)	1:249:A:VAL:HG22	1:249:A:VAL:HB	8	0.4
(3,1079)	1:249:A:VAL:HG22	1:249:A:VAL:HB	11	0.4
(3,1079)	1:249:A:VAL:HG22	1:249:A:VAL:HB	12	0.4
(3,1079)	1:249:A:VAL:HG23	1:249:A:VAL:HB	16	0.4
(3,1079)	1:249:A:VAL:HG21	1:249:A:VAL:HB	17	0.4
(3,1079)	1:249:A:VAL:HG21	1:249:A:VAL:HB	19	0.4
(3,1056)	1:246:B:ASP:HA	1:249:B:VAL:HG13	12	0.4
(3,1056)	1:246:B:ASP:HA	1:249:B:VAL:HG12	14	0.4
(3,1056)	1:246:B:ASP:HA	1:249:B:VAL:HG11	19	0.4
(3,1055)	1:246:A:ASP:HA	1:249:A:VAL:HG13	12	0.4
(3,1055)	1:246:A:ASP:HA	1:249:A:VAL:HG11	19	0.4
(3,559)	1:257:A:THR:HG23	1:261:A:GLU:HG2	6	0.4
(3,559)	1:257:A:THR:HG22	1:261:A:GLU:HG2	12	0.4
(3,282)	1:222:B:SER:HB2	1:223:B:LEU:H	19	0.4
(1,2290)	1:208:B:ARG:HA	1:211:B:ALA:H	4	0.4
(1,2289)	1:208:A:ARG:HA	1:211:A:ALA:H	4	0.4
(1,2210)	1:216:B:LEU:HB2	1:216:B:LEU:HD12	18	0.4
(1,1902)	1:268:B:LYS:HE3	1:272:A:GLN:HG3	4	0.4
(1,1810)	1:243:B:ARG:HD2	1:245:B:THR:HG22	3	0.4
(1,1801)	1:243:A:ARG:HD3	1:239:A:GLU:HB3	11	0.4
(1,1735)	1:259:A:ARG:HD2	1:260:A:THR:HG22	3	0.4
(1,1580)	1:216:B:LEU:HD23	1:213:A:ASN:HB2	8	0.4
(1,1579)	1:216:A:LEU:HD23	1:213:B:ASN:HB2	8	0.4
(1,1429)	1:258:A:LEU:HD21	1:266:B:GLN:HG2	7	0.4
(1,1364)	1:214:B:GLU:HG2	1:210:B:LEU:HD12	4	0.4
(1,1352)	1:259:B:ARG:HA	1:262:B:LEU:HD21	11	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1318)	1:243:B:ARG:HG2	1:242:B:ASP:HA	17	0.4
(1,1317)	1:243:A:ARG:HG2	1:242:A:ASP:HA	7	0.4
(1,1317)	1:243:A:ARG:HG2	1:242:A:ASP:HA	17	0.4
(1,1172)	1:225:B:VAL:HG23	1:228:B:LYS:HD2	9	0.4
(1,1171)	1:225:A:VAL:HG23	1:228:A:LYS:HD2	9	0.4
(1,1168)	1:221:B:ASN:HB3	1:225:B:VAL:HG22	15	0.4
(1,857)	1:224:A:GLU:HG3	1:220:A:ILE:HG23	18	0.4
(1,758)	1:256:B:GLU:HG3	1:252:B:LYS:HE3	8	0.4
(1,574)	1:260:B:THR:HG22	1:260:B:THR:HB	5	0.4
(1,573)	1:260:A:THR:HG22	1:260:A:THR:HB	5	0.4
(1,550)	1:251:B:MET:HE1	1:251:B:MET:HB3	9	0.4
(1,549)	1:251:A:MET:HE1	1:251:A:MET:HB3	9	0.4
(1,542)	1:251:B:MET:HE3	1:248:B:PHE:HB2	17	0.4
(1,541)	1:251:A:MET:HE3	1:248:A:PHE:HB2	17	0.4
(1,528)	1:251:B:MET:HE2	1:248:A:PHE:HE1	18	0.4
(1,414)	1:234:B:ASN:HA	1:237:A:VAL:HG13	10	0.4
(1,414)	1:234:B:ASN:HA	1:237:A:VAL:HG13	11	0.4
(1,296)	1:265:B:ALA:HB3	1:269:A:LEU:HD11	9	0.4
(1,296)	1:265:B:ALA:HB2	1:269:A:LEU:HD13	11	0.4
(1,296)	1:265:B:ALA:HB1	1:269:A:LEU:HD11	12	0.4
(1,296)	1:265:B:ALA:HB3	1:269:A:LEU:HD13	14	0.4
(1,296)	1:265:B:ALA:HB3	1:269:A:LEU:HD11	20	0.4
(1,295)	1:265:A:ALA:HB2	1:269:B:LEU:HD12	5	0.4
(1,295)	1:265:A:ALA:HB2	1:269:B:LEU:HD11	6	0.4
(1,295)	1:265:A:ALA:HB3	1:269:B:LEU:HD11	7	0.4
(1,295)	1:265:A:ALA:HB1	1:269:B:LEU:HD13	8	0.4
(1,295)	1:265:A:ALA:HB3	1:269:B:LEU:HD13	14	0.4
(1,202)	1:255:B:PHE:HZ	1:251:A:MET:HE3	2	0.4
(3,2182)	1:251:B:MET:HB3	1:251:B:MET:H	3	0.39
(3,2181)	1:251:A:MET:HB3	1:251:A:MET:H	3	0.39
(3,1964)	1:249:B:VAL:HG22	1:252:B:LYS:HB3	9	0.39
(3,1964)	1:249:B:VAL:HG23	1:252:B:LYS:HB3	11	0.39
(3,1944)	1:258:B:LEU:HD11	1:261:B:GLU:HB3	1	0.39
(3,1560)	1:223:B:LEU:HD21	1:223:B:LEU:HG	2	0.39
(3,1560)	1:223:B:LEU:HD21	1:223:B:LEU:HG	8	0.39
(3,1560)	1:223:B:LEU:HD22	1:223:B:LEU:HG	14	0.39
(3,1559)	1:223:A:LEU:HD21	1:223:A:LEU:HG	2	0.39
(3,1559)	1:223:A:LEU:HD21	1:223:A:LEU:HG	8	0.39
(3,1556)	1:223:B:LEU:HD12	1:223:A:LEU:HB3	1	0.39
(3,1556)	1:223:B:LEU:HD11	1:223:A:LEU:HB3	2	0.39
(3,1556)	1:223:B:LEU:HD12	1:223:A:LEU:HB3	3	0.39
(3,1556)	1:223:B:LEU:HD12	1:223:A:LEU:HB3	4	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1556)	1:223:B:LEU:HD12	1:223:A:LEU:HB3	5	0.39
(3,1556)	1:223:B:LEU:HD11	1:223:A:LEU:HB3	6	0.39
(3,1556)	1:223:B:LEU:HD11	1:223:A:LEU:HB3	7	0.39
(3,1556)	1:223:B:LEU:HD13	1:223:A:LEU:HB3	8	0.39
(3,1556)	1:223:B:LEU:HD13	1:223:A:LEU:HB3	9	0.39
(3,1556)	1:223:B:LEU:HD12	1:223:A:LEU:HB3	11	0.39
(3,1556)	1:223:B:LEU:HD12	1:223:A:LEU:HB3	12	0.39
(3,1556)	1:223:B:LEU:HD12	1:223:A:LEU:HB3	13	0.39
(3,1556)	1:223:B:LEU:HD11	1:223:A:LEU:HB3	15	0.39
(3,1556)	1:223:B:LEU:HD13	1:223:A:LEU:HB3	16	0.39
(3,1556)	1:223:B:LEU:HD13	1:223:A:LEU:HB3	17	0.39
(3,1556)	1:223:B:LEU:HD12	1:223:A:LEU:HB3	18	0.39
(3,1556)	1:223:B:LEU:HD12	1:223:A:LEU:HB3	19	0.39
(3,1555)	1:223:A:LEU:HD12	1:223:B:LEU:HB3	1	0.39
(3,1555)	1:223:A:LEU:HD11	1:223:B:LEU:HB3	2	0.39
(3,1555)	1:223:A:LEU:HD12	1:223:B:LEU:HB3	3	0.39
(3,1555)	1:223:A:LEU:HD12	1:223:B:LEU:HB3	4	0.39
(3,1555)	1:223:A:LEU:HD12	1:223:B:LEU:HB3	5	0.39
(3,1555)	1:223:A:LEU:HD11	1:223:B:LEU:HB3	6	0.39
(3,1555)	1:223:A:LEU:HD11	1:223:B:LEU:HB3	7	0.39
(3,1555)	1:223:A:LEU:HD13	1:223:B:LEU:HB3	8	0.39
(3,1555)	1:223:A:LEU:HD13	1:223:B:LEU:HB3	9	0.39
(3,1555)	1:223:A:LEU:HD11	1:223:B:LEU:HB3	10	0.39
(3,1555)	1:223:A:LEU:HD12	1:223:B:LEU:HB3	11	0.39
(3,1555)	1:223:A:LEU:HD12	1:223:B:LEU:HB3	12	0.39
(3,1555)	1:223:A:LEU:HD12	1:223:B:LEU:HB3	13	0.39
(3,1555)	1:223:A:LEU:HD13	1:223:B:LEU:HB3	14	0.39
(3,1555)	1:223:A:LEU:HD11	1:223:B:LEU:HB3	15	0.39
(3,1555)	1:223:A:LEU:HD13	1:223:B:LEU:HB3	16	0.39
(3,1555)	1:223:A:LEU:HD13	1:223:B:LEU:HB3	17	0.39
(3,1555)	1:223:A:LEU:HD12	1:223:B:LEU:HB3	18	0.39
(3,1555)	1:223:A:LEU:HD12	1:223:B:LEU:HB3	19	0.39
(3,1555)	1:223:A:LEU:HD13	1:223:B:LEU:HB3	20	0.39
(3,1428)	1:241:B:LEU:HD23	1:237:B:VAL:HG23	2	0.39
(3,1428)	1:241:B:LEU:HD23	1:237:B:VAL:HG23	3	0.39
(3,1428)	1:241:B:LEU:HD23	1:237:B:VAL:HG21	15	0.39
(3,1428)	1:241:B:LEU:HD21	1:237:B:VAL:HG23	18	0.39
(3,1428)	1:241:B:LEU:HD21	1:237:B:VAL:HG21	20	0.39
(3,1427)	1:241:A:LEU:HD23	1:237:A:VAL:HG23	2	0.39
(3,1427)	1:241:A:LEU:HD23	1:237:A:VAL:HG23	3	0.39
(3,1427)	1:241:A:LEU:HD22	1:237:A:VAL:HG22	11	0.39
(3,1427)	1:241:A:LEU:HD23	1:237:A:VAL:HG21	15	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1427)	1:241:A:LEU:HD21	1:237:A:VAL:HG23	18	0.39
(3,1427)	1:241:A:LEU:HD21	1:237:A:VAL:HG21	20	0.39
(3,1329)	1:258:A:LEU:HD11	1:259:B:ARG:HA	10	0.39
(3,1272)	1:217:B:GLN:HA	1:220:B:ILE:HG23	3	0.39
(3,1272)	1:217:B:GLN:HA	1:220:B:ILE:HG22	12	0.39
(3,1271)	1:217:A:GLN:HA	1:220:A:ILE:HG22	12	0.39
(3,1174)	1:222:B:SER:HA	1:225:B:VAL:HG21	8	0.39
(3,1154)	1:225:B:VAL:HG23	1:225:B:VAL:HB	10	0.39
(3,1153)	1:225:A:VAL:HG23	1:225:A:VAL:HB	10	0.39
(3,1108)	1:210:B:LEU:HD21	1:207:B:ASP:HB2	9	0.39
(3,1096)	1:237:B:VAL:HB	1:237:B:VAL:HG13	2	0.39
(3,1096)	1:237:B:VAL:HB	1:237:B:VAL:HG13	10	0.39
(3,1096)	1:237:B:VAL:HB	1:237:B:VAL:HG13	11	0.39
(3,1095)	1:237:A:VAL:HB	1:237:A:VAL:HG13	2	0.39
(3,1095)	1:237:A:VAL:HB	1:237:A:VAL:HG13	10	0.39
(3,1095)	1:237:A:VAL:HB	1:237:A:VAL:HG13	11	0.39
(3,1080)	1:249:B:VAL:HG21	1:249:B:VAL:HB	6	0.39
(3,1080)	1:249:B:VAL:HG21	1:249:B:VAL:HB	14	0.39
(3,1080)	1:249:B:VAL:HG23	1:249:B:VAL:HB	18	0.39
(3,1079)	1:249:A:VAL:HG21	1:249:A:VAL:HB	14	0.39
(3,1079)	1:249:A:VAL:HG22	1:249:A:VAL:HB	15	0.39
(3,1079)	1:249:A:VAL:HG23	1:249:A:VAL:HB	18	0.39
(3,1074)	1:249:B:VAL:HB	1:253:B:ASP:HB3	1	0.39
(3,1073)	1:249:A:VAL:HB	1:253:A:ASP:HB3	1	0.39
(3,1055)	1:246:A:ASP:HA	1:249:A:VAL:HG13	5	0.39
(3,560)	1:257:B:THR:HG22	1:261:B:GLU:HG2	15	0.39
(3,559)	1:257:A:THR:HG22	1:261:A:GLU:HG2	15	0.39
(3,536)	1:251:B:MET:HB2	1:251:B:MET:HE1	1	0.39
(3,536)	1:251:B:MET:HB2	1:251:B:MET:HE3	13	0.39
(3,535)	1:251:A:MET:HB2	1:251:A:MET:HE1	1	0.39
(3,535)	1:251:A:MET:HB2	1:251:A:MET:HE3	13	0.39
(3,326)	1:227:B:ALA:HB3	1:223:A:LEU:HD21	19	0.39
(3,325)	1:227:A:ALA:HB3	1:223:B:LEU:HD21	19	0.39
(3,281)	1:222:A:SER:HB2	1:223:A:LEU:H	19	0.39
(3,185)	1:262:A:LEU:HD11	1:254:B:ASN:HD21	2	0.39
(1,2220)	1:255:B:PHE:HA	1:258:B:LEU:HD21	17	0.39
(1,2219)	1:255:A:PHE:HA	1:258:A:LEU:HD21	17	0.39
(1,2209)	1:216:A:LEU:HB2	1:216:A:LEU:HD12	18	0.39
(1,1968)	1:252:B:LYS:HE2	1:252:B:LYS:HD2	11	0.39
(1,1967)	1:252:A:LYS:HE2	1:252:A:LYS:HD2	11	0.39
(1,1832)	1:240:B:ARG:HD2	1:241:A:LEU:HD12	2	0.39
(1,1831)	1:240:A:ARG:HD2	1:241:B:LEU:HD13	4	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1809)	1:243:A:ARG:HD2	1:245:A:THR:HG22	3	0.39
(1,1802)	1:243:B:ARG:HD3	1:239:B:GLU:HB3	11	0.39
(1,1798)	1:239:B:GLU:HG3	1:243:B:ARG:HD2	15	0.39
(1,1797)	1:239:A:GLU:HG3	1:243:A:ARG:HD2	15	0.39
(1,1422)	1:258:B:LEU:HD21	1:255:A:PHE:HB2	8	0.39
(1,1421)	1:258:A:LEU:HD21	1:255:B:PHE:HB2	8	0.39
(1,1363)	1:214:A:GLU:HG2	1:210:A:LEU:HD12	4	0.39
(1,1360)	1:262:B:LEU:HD21	1:262:A:LEU:HB2	4	0.39
(1,1360)	1:262:B:LEU:HD23	1:262:A:LEU:HB2	16	0.39
(1,1351)	1:259:A:ARG:HA	1:262:A:LEU:HD21	11	0.39
(1,1334)	1:269:B:LEU:HG	1:269:B:LEU:HD22	11	0.39
(1,1333)	1:269:A:LEU:HG	1:269:A:LEU:HD22	11	0.39
(1,1330)	1:214:B:GLU:HG2	1:210:B:LEU:HD12	6	0.39
(1,1318)	1:243:B:ARG:HG2	1:242:B:ASP:HA	7	0.39
(1,1314)	1:269:B:LEU:HG	1:270:B:ARG:HE	10	0.39
(1,1314)	1:269:B:LEU:HG	1:271:B:ARG:HE	11	0.39
(1,1313)	1:269:A:LEU:HG	1:270:A:ARG:HE	10	0.39
(1,1313)	1:269:A:LEU:HG	1:271:A:ARG:HE	11	0.39
(1,1295)	1:216:A:LEU:HD12	1:218:B:GLN:H	13	0.39
(1,1176)	1:244:B:ILE:HG23	1:243:B:ARG:HB2	7	0.39
(1,1175)	1:244:A:ILE:HG23	1:243:A:ARG:HB2	7	0.39
(1,1172)	1:225:B:VAL:HG23	1:228:B:LYS:HD2	20	0.39
(1,966)	1:217:B:GLN:HG2	1:220:B:ILE:HA	16	0.39
(1,757)	1:256:A:GLU:HG3	1:252:A:LYS:HE3	8	0.39
(1,574)	1:260:B:THR:HG22	1:260:B:THR:HB	11	0.39
(1,573)	1:260:A:THR:HG22	1:260:A:THR:HB	11	0.39
(1,572)	1:257:B:THR:HG22	1:254:B:ASN:HD22	15	0.39
(1,571)	1:257:A:THR:HG22	1:254:A:ASN:HD22	15	0.39
(1,527)	1:251:A:MET:HE2	1:248:B:PHE:HE1	18	0.39
(1,524)	1:251:B:MET:HE1	1:248:B:PHE:HA	2	0.39
(1,523)	1:251:A:MET:HE1	1:248:A:PHE:HA	2	0.39
(1,78)	1:255:B:PHE:HD2	1:258:A:LEU:HD21	2	0.39
(3,2505)	1:244:A:ILE:HG12	1:244:A:ILE:H	17	0.38
(3,1963)	1:249:A:VAL:HG23	1:252:A:LYS:HB3	11	0.38
(3,1944)	1:258:B:LEU:HD13	1:261:B:GLU:HB3	11	0.38
(3,1943)	1:258:A:LEU:HD11	1:261:A:GLU:HB3	1	0.38
(3,1943)	1:258:A:LEU:HD13	1:261:A:GLU:HB3	11	0.38
(3,1916)	1:216:B:LEU:HD23	1:217:A:GLN:HE22	8	0.38
(3,1915)	1:216:A:LEU:HD23	1:217:B:GLN:HE22	8	0.38
(3,1780)	1:255:B:PHE:HB2	1:252:B:LYS:HA	8	0.38
(3,1779)	1:255:A:PHE:HB2	1:252:A:LYS:HA	8	0.38
(3,1560)	1:223:B:LEU:HD22	1:223:B:LEU:HG	10	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1559)	1:223:A:LEU:HD22	1:223:A:LEU:HG	10	0.38
(3,1559)	1:223:A:LEU:HD21	1:223:A:LEU:HG	11	0.38
(3,1428)	1:241:B:LEU:HD23	1:237:B:VAL:HG23	8	0.38
(3,1428)	1:241:B:LEU:HD22	1:237:B:VAL:HG22	10	0.38
(3,1428)	1:241:B:LEU:HD22	1:237:B:VAL:HG22	11	0.38
(3,1427)	1:241:A:LEU:HD23	1:237:A:VAL:HG23	8	0.38
(3,1427)	1:241:A:LEU:HD22	1:237:A:VAL:HG22	10	0.38
(3,1330)	1:258:B:LEU:HD11	1:259:A:ARG:HA	3	0.38
(3,1324)	1:266:B:GLN:HG3	1:262:B:LEU:HD11	4	0.38
(3,1323)	1:266:A:GLN:HG3	1:262:A:LEU:HD11	4	0.38
(3,1323)	1:266:A:GLN:HG3	1:262:A:LEU:HD11	10	0.38
(3,1298)	1:269:B:LEU:HD23	1:273:B:GLN:HE22	5	0.38
(3,1297)	1:269:A:LEU:HD23	1:273:A:GLN:HE22	5	0.38
(3,1282)	1:269:B:LEU:HA	1:269:B:LEU:HD21	3	0.38
(3,1282)	1:269:B:LEU:HA	1:269:B:LEU:HD22	6	0.38
(3,1281)	1:269:A:LEU:HA	1:269:A:LEU:HD21	3	0.38
(3,1281)	1:269:A:LEU:HA	1:269:A:LEU:HD22	6	0.38
(3,1271)	1:217:A:GLN:HA	1:220:A:ILE:HG23	3	0.38
(3,1174)	1:222:B:SER:HA	1:225:B:VAL:HG22	20	0.38
(3,1173)	1:222:A:SER:HA	1:225:A:VAL:HG22	20	0.38
(3,1154)	1:225:B:VAL:HG22	1:225:B:VAL:HB	1	0.38
(3,1154)	1:225:B:VAL:HG21	1:225:B:VAL:HB	3	0.38
(3,1154)	1:225:B:VAL:HG22	1:225:B:VAL:HB	5	0.38
(3,1154)	1:225:B:VAL:HG23	1:225:B:VAL:HB	6	0.38
(3,1154)	1:225:B:VAL:HG23	1:225:B:VAL:HB	7	0.38
(3,1154)	1:225:B:VAL:HG22	1:225:B:VAL:HB	9	0.38
(3,1154)	1:225:B:VAL:HG23	1:225:B:VAL:HB	12	0.38
(3,1154)	1:225:B:VAL:HG22	1:225:B:VAL:HB	20	0.38
(3,1153)	1:225:A:VAL:HG22	1:225:A:VAL:HB	1	0.38
(3,1153)	1:225:A:VAL:HG21	1:225:A:VAL:HB	3	0.38
(3,1153)	1:225:A:VAL:HG22	1:225:A:VAL:HB	5	0.38
(3,1153)	1:225:A:VAL:HG23	1:225:A:VAL:HB	6	0.38
(3,1153)	1:225:A:VAL:HG23	1:225:A:VAL:HB	7	0.38
(3,1153)	1:225:A:VAL:HG22	1:225:A:VAL:HB	9	0.38
(3,1153)	1:225:A:VAL:HG23	1:225:A:VAL:HB	12	0.38
(3,1153)	1:225:A:VAL:HG22	1:225:A:VAL:HB	20	0.38
(3,1096)	1:237:B:VAL:HB	1:237:B:VAL:HG11	3	0.38
(3,1096)	1:237:B:VAL:HB	1:237:B:VAL:HG11	4	0.38
(3,1096)	1:237:B:VAL:HB	1:237:B:VAL:HG13	5	0.38
(3,1096)	1:237:B:VAL:HB	1:237:B:VAL:HG11	6	0.38
(3,1096)	1:237:B:VAL:HB	1:237:B:VAL:HG13	7	0.38
(3,1096)	1:237:B:VAL:HB	1:237:B:VAL:HG11	8	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1096)	1:237:B:VAL:HB	1:237:B:VAL:HG11	14	0.38
(3,1096)	1:237:B:VAL:HB	1:237:B:VAL:HG13	16	0.38
(3,1095)	1:237:A:VAL:HB	1:237:A:VAL:HG11	4	0.38
(3,1095)	1:237:A:VAL:HB	1:237:A:VAL:HG13	5	0.38
(3,1095)	1:237:A:VAL:HB	1:237:A:VAL:HG11	6	0.38
(3,1095)	1:237:A:VAL:HB	1:237:A:VAL:HG13	7	0.38
(3,1095)	1:237:A:VAL:HB	1:237:A:VAL:HG11	8	0.38
(3,1095)	1:237:A:VAL:HB	1:237:A:VAL:HG11	14	0.38
(3,1095)	1:237:A:VAL:HB	1:237:A:VAL:HG13	16	0.38
(3,1080)	1:249:B:VAL:HG21	1:249:B:VAL:HB	3	0.38
(3,1080)	1:249:B:VAL:HG21	1:249:B:VAL:HB	9	0.38
(3,1079)	1:249:A:VAL:HG21	1:249:A:VAL:HB	3	0.38
(3,1079)	1:249:A:VAL:HG21	1:249:A:VAL:HB	9	0.38
(3,1056)	1:246:B:ASP:HA	1:249:B:VAL:HG13	5	0.38
(3,1056)	1:246:B:ASP:HA	1:249:B:VAL:HG11	8	0.38
(3,1055)	1:246:A:ASP:HA	1:249:A:VAL:HG11	8	0.38
(3,536)	1:251:B:MET:HB2	1:251:B:MET:HE3	12	0.38
(3,535)	1:251:A:MET:HB2	1:251:A:MET:HE3	12	0.38
(3,186)	1:262:B:LEU:HD11	1:254:A:ASN:HD21	2	0.38
(1,2220)	1:255:B:PHE:HA	1:258:B:LEU:HD21	4	0.38
(1,2146)	1:219:B:LYS:HG3	1:216:B:LEU:HD23	9	0.38
(1,2145)	1:219:A:LYS:HG3	1:216:A:LEU:HD23	9	0.38
(1,1832)	1:240:B:ARG:HD2	1:241:A:LEU:HD12	3	0.38
(1,1761)	1:259:A:ARG:HG3	1:258:B:LEU:HD21	7	0.38
(1,1736)	1:259:B:ARG:HD2	1:260:B:THR:HG21	12	0.38
(1,1735)	1:259:A:ARG:HD2	1:260:A:THR:HG21	12	0.38
(1,1596)	1:207:B:ASP:HA	1:210:B:LEU:HD13	12	0.38
(1,1595)	1:207:A:ASP:HA	1:210:A:LEU:HD13	12	0.38
(1,1579)	1:216:A:LEU:HD23	1:213:B:ASN:HB3	20	0.38
(1,1548)	1:223:B:LEU:HD12	1:220:A:ILE:HG12	7	0.38
(1,1420)	1:258:B:LEU:HD22	1:255:A:PHE:HD1	20	0.38
(1,1359)	1:262:A:LEU:HD21	1:262:B:LEU:HB2	4	0.38
(1,1359)	1:262:A:LEU:HD23	1:262:B:LEU:HB2	16	0.38
(1,1359)	1:262:A:LEU:HD22	1:262:B:LEU:HB2	19	0.38
(1,1334)	1:269:B:LEU:HG	1:269:B:LEU:HD21	1	0.38
(1,1334)	1:269:B:LEU:HG	1:269:B:LEU:HD22	12	0.38
(1,1333)	1:269:A:LEU:HG	1:269:A:LEU:HD21	1	0.38
(1,1333)	1:269:A:LEU:HG	1:269:A:LEU:HD22	12	0.38
(1,1329)	1:269:A:LEU:HD13	1:264:B:GLU:HG3	5	0.38
(1,1329)	1:214:A:GLU:HG2	1:210:A:LEU:HD12	6	0.38
(1,1314)	1:269:B:LEU:HG	1:270:B:ARG:HE	5	0.38
(1,1313)	1:269:A:LEU:HG	1:270:A:ARG:HE	5	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1296)	1:216:B:LEU:HD12	1:218:A:GLN:H	13	0.38
(1,1207)	1:247:A:ASP:HB2	1:244:A:ILE:HG22	15	0.38
(1,1170)	1:225:B:VAL:HG23	1:228:B:LYS:HB2	15	0.38
(1,1169)	1:225:A:VAL:HG22	1:228:A:LYS:HB2	13	0.38
(1,1168)	1:221:B:ASN:HB3	1:225:B:VAL:HG22	4	0.38
(1,1167)	1:221:A:ASN:HB3	1:225:A:VAL:HG22	4	0.38
(1,1112)	1:249:B:VAL:HG12	1:252:B:LYS:HB2	19	0.38
(1,1111)	1:249:A:VAL:HG12	1:252:A:LYS:HB2	19	0.38
(1,965)	1:217:A:GLN:HG2	1:220:A:ILE:HA	16	0.38
(1,552)	1:251:B:MET:HG3	1:255:B:PHE:HB2	3	0.38
(1,551)	1:251:A:MET:HG3	1:255:A:PHE:HB2	3	0.38
(1,527)	1:251:A:MET:HE3	1:248:B:PHE:HE1	17	0.38
(1,414)	1:234:B:ASN:HA	1:237:A:VAL:HG13	5	0.38
(1,413)	1:234:A:ASN:HA	1:237:B:VAL:HG13	5	0.38
(1,413)	1:234:A:ASN:HA	1:237:B:VAL:HG13	10	0.38
(1,77)	1:255:A:PHE:HD2	1:258:B:LEU:HD21	2	0.38
(3,2506)	1:244:B:ILE:HG12	1:244:B:ILE:H	7	0.37
(3,2506)	1:244:B:ILE:HG12	1:244:B:ILE:H	17	0.37
(3,1952)	1:216:B:LEU:HG	1:216:B:LEU:HD11	4	0.37
(3,1952)	1:216:B:LEU:HG	1:216:B:LEU:HD13	5	0.37
(3,1951)	1:216:A:LEU:HG	1:216:A:LEU:HD11	4	0.37
(3,1944)	1:258:B:LEU:HD13	1:261:B:GLU:HB3	15	0.37
(3,1943)	1:258:A:LEU:HD13	1:261:A:GLU:HB3	15	0.37
(3,1867)	1:225:A:VAL:HG22	1:224:A:GLU:HB3	15	0.37
(3,1560)	1:223:B:LEU:HD21	1:223:B:LEU:HG	3	0.37
(3,1560)	1:223:B:LEU:HD23	1:223:B:LEU:HG	5	0.37
(3,1560)	1:223:B:LEU:HD21	1:223:B:LEU:HG	11	0.37
(3,1560)	1:223:B:LEU:HD23	1:223:B:LEU:HG	13	0.37
(3,1560)	1:223:B:LEU:HD23	1:223:B:LEU:HG	18	0.37
(3,1559)	1:223:A:LEU:HD21	1:223:A:LEU:HG	3	0.37
(3,1559)	1:223:A:LEU:HD23	1:223:A:LEU:HG	5	0.37
(3,1559)	1:223:A:LEU:HD23	1:223:A:LEU:HG	13	0.37
(3,1559)	1:223:A:LEU:HD23	1:223:A:LEU:HG	18	0.37
(3,1330)	1:258:B:LEU:HD11	1:259:A:ARG:HA	10	0.37
(3,1330)	1:258:B:LEU:HD11	1:259:A:ARG:HA	19	0.37
(3,1324)	1:266:B:GLN:HG3	1:262:B:LEU:HD11	10	0.37
(3,1282)	1:269:B:LEU:HA	1:269:B:LEU:HD22	1	0.37
(3,1282)	1:269:B:LEU:HA	1:269:B:LEU:HD21	2	0.37
(3,1282)	1:269:B:LEU:HA	1:269:B:LEU:HD21	4	0.37
(3,1282)	1:269:B:LEU:HA	1:269:B:LEU:HD22	5	0.37
(3,1282)	1:269:B:LEU:HA	1:269:B:LEU:HD23	8	0.37
(3,1282)	1:269:B:LEU:HA	1:269:B:LEU:HD23	9	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1282)	1:269:B:LEU:HA	1:269:B:LEU:HD21	10	0.37
(3,1282)	1:269:B:LEU:HA	1:269:B:LEU:HD21	13	0.37
(3,1282)	1:269:B:LEU:HA	1:269:B:LEU:HD21	14	0.37
(3,1282)	1:269:B:LEU:HA	1:269:B:LEU:HD23	15	0.37
(3,1282)	1:269:B:LEU:HA	1:269:B:LEU:HD22	17	0.37
(3,1282)	1:269:B:LEU:HA	1:269:B:LEU:HD22	18	0.37
(3,1282)	1:269:B:LEU:HA	1:269:B:LEU:HD21	20	0.37
(3,1281)	1:269:A:LEU:HA	1:269:A:LEU:HD22	1	0.37
(3,1281)	1:269:A:LEU:HA	1:269:A:LEU:HD21	2	0.37
(3,1281)	1:269:A:LEU:HA	1:269:A:LEU:HD21	4	0.37
(3,1281)	1:269:A:LEU:HA	1:269:A:LEU:HD22	5	0.37
(3,1281)	1:269:A:LEU:HA	1:269:A:LEU:HD23	8	0.37
(3,1281)	1:269:A:LEU:HA	1:269:A:LEU:HD21	10	0.37
(3,1281)	1:269:A:LEU:HA	1:269:A:LEU:HD23	12	0.37
(3,1281)	1:269:A:LEU:HA	1:269:A:LEU:HD21	13	0.37
(3,1281)	1:269:A:LEU:HA	1:269:A:LEU:HD21	14	0.37
(3,1281)	1:269:A:LEU:HA	1:269:A:LEU:HD23	15	0.37
(3,1281)	1:269:A:LEU:HA	1:269:A:LEU:HD22	17	0.37
(3,1281)	1:269:A:LEU:HA	1:269:A:LEU:HD22	18	0.37
(3,1281)	1:269:A:LEU:HA	1:269:A:LEU:HD21	20	0.37
(3,1222)	1:244:B:ILE:HG21	1:247:B:ASP:HB3	18	0.37
(3,1221)	1:244:A:ILE:HG21	1:247:A:ASP:HB3	18	0.37
(3,1154)	1:225:B:VAL:HG23	1:225:B:VAL:HB	2	0.37
(3,1154)	1:225:B:VAL:HG21	1:225:B:VAL:HB	8	0.37
(3,1154)	1:225:B:VAL:HG23	1:225:B:VAL:HB	11	0.37
(3,1154)	1:225:B:VAL:HG21	1:225:B:VAL:HB	14	0.37
(3,1154)	1:225:B:VAL:HG22	1:225:B:VAL:HB	15	0.37
(3,1154)	1:225:B:VAL:HG23	1:225:B:VAL:HB	16	0.37
(3,1154)	1:225:B:VAL:HG21	1:225:B:VAL:HB	17	0.37
(3,1154)	1:225:B:VAL:HG22	1:225:B:VAL:HB	18	0.37
(3,1154)	1:225:B:VAL:HG23	1:225:B:VAL:HB	19	0.37
(3,1153)	1:225:A:VAL:HG23	1:225:A:VAL:HB	2	0.37
(3,1153)	1:225:A:VAL:HG22	1:225:A:VAL:HB	4	0.37
(3,1153)	1:225:A:VAL:HG21	1:225:A:VAL:HB	8	0.37
(3,1153)	1:225:A:VAL:HG23	1:225:A:VAL:HB	11	0.37
(3,1153)	1:225:A:VAL:HG21	1:225:A:VAL:HB	14	0.37
(3,1153)	1:225:A:VAL:HG22	1:225:A:VAL:HB	15	0.37
(3,1153)	1:225:A:VAL:HG23	1:225:A:VAL:HB	16	0.37
(3,1153)	1:225:A:VAL:HG21	1:225:A:VAL:HB	17	0.37
(3,1153)	1:225:A:VAL:HG22	1:225:A:VAL:HB	18	0.37
(3,1096)	1:237:B:VAL:HB	1:237:B:VAL:HG13	9	0.37
(3,1096)	1:237:B:VAL:HB	1:237:B:VAL:HG13	13	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1095)	1:237:A:VAL:HB	1:237:A:VAL:HG11	3	0.37
(3,1095)	1:237:A:VAL:HB	1:237:A:VAL:HG13	9	0.37
(3,1095)	1:237:A:VAL:HB	1:237:A:VAL:HG13	13	0.37
(3,1095)	1:237:A:VAL:HB	1:237:A:VAL:HG11	15	0.37
(3,940)	1:266:B:GLN:HG3	1:262:B:LEU:HG	16	0.37
(3,939)	1:266:A:GLN:HG3	1:262:A:LEU:HG	16	0.37
(3,560)	1:257:B:THR:HG21	1:261:B:GLU:HG2	3	0.37
(3,559)	1:257:A:THR:HG21	1:261:A:GLU:HG2	3	0.37
(1,2219)	1:255:A:PHE:HA	1:258:A:LEU:HD21	4	0.37
(1,2210)	1:216:B:LEU:HB2	1:216:B:LEU:HD13	19	0.37
(1,2209)	1:216:A:LEU:HB2	1:216:A:LEU:HD13	19	0.37
(1,2086)	1:228:B:LYS:HE3	1:225:B:VAL:HG22	9	0.37
(1,1902)	1:264:B:GLU:HG2	1:268:B:LYS:HE3	3	0.37
(1,1832)	1:240:B:ARG:HD2	1:241:A:LEU:HD13	4	0.37
(1,1831)	1:240:A:ARG:HD2	1:241:B:LEU:HD11	10	0.37
(1,1802)	1:243:B:ARG:HD3	1:239:B:GLU:HB3	6	0.37
(1,1801)	1:243:A:ARG:HD3	1:239:A:GLU:HB3	6	0.37
(1,1578)	1:216:B:LEU:HD23	1:213:A:ASN:HA	3	0.37
(1,1419)	1:258:A:LEU:HD22	1:255:B:PHE:HD1	20	0.37
(1,1360)	1:262:B:LEU:HD21	1:262:A:LEU:HB2	5	0.37
(1,1360)	1:262:B:LEU:HD23	1:262:A:LEU:HB2	9	0.37
(1,1359)	1:262:A:LEU:HD21	1:262:B:LEU:HB2	5	0.37
(1,1359)	1:262:A:LEU:HD23	1:262:B:LEU:HB2	9	0.37
(1,1334)	1:269:B:LEU:HG	1:269:B:LEU:HD23	3	0.37
(1,1334)	1:269:B:LEU:HG	1:269:B:LEU:HD21	6	0.37
(1,1333)	1:269:A:LEU:HG	1:269:A:LEU:HD23	3	0.37
(1,1318)	1:243:B:ARG:HG2	1:242:B:ASP:HA	4	0.37
(1,1317)	1:243:A:ARG:HG2	1:242:A:ASP:HA	4	0.37
(1,1314)	1:269:B:LEU:HG	1:270:B:ARG:HE	19	0.37
(1,1313)	1:269:A:LEU:HG	1:270:A:ARG:HE	19	0.37
(1,1208)	1:247:B:ASP:HB2	1:244:B:ILE:HG22	15	0.37
(1,1172)	1:225:B:VAL:HG21	1:228:B:LYS:HD3	19	0.37
(1,1170)	1:225:B:VAL:HG22	1:228:B:LYS:HB2	13	0.37
(1,1170)	1:225:B:VAL:HG21	1:228:B:LYS:HB2	16	0.37
(1,1169)	1:225:A:VAL:HG23	1:228:A:LYS:HB2	15	0.37
(1,768)	1:256:B:GLU:HG3	1:252:B:LYS:HG3	12	0.37
(1,767)	1:256:A:GLU:HG3	1:252:A:LYS:HG3	12	0.37
(1,766)	1:256:B:GLU:HG2	1:252:B:LYS:HB2	1	0.37
(1,765)	1:256:A:GLU:HG2	1:252:A:LYS:HB2	1	0.37
(1,528)	1:251:B:MET:HE2	1:248:A:PHE:HE1	11	0.37
(1,528)	1:251:B:MET:HE3	1:248:A:PHE:HE1	17	0.37
(1,527)	1:251:A:MET:HE2	1:248:B:PHE:HE1	11	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,413)	1:234:A:ASN:HA	1:237:B:VAL:HG13	13	0.37
(1,70)	1:255:B:PHE:HD1	1:251:A:MET:HB2	18	0.37
(3,2506)	1:244:B:ILE:HG12	1:244:B:ILE:H	15	0.36
(3,2505)	1:244:A:ILE:HG12	1:244:A:ILE:H	7	0.36
(3,2505)	1:244:A:ILE:HG12	1:244:A:ILE:H	15	0.36
(3,1952)	1:216:B:LEU:HG	1:216:B:LEU:HD13	1	0.36
(3,1952)	1:216:B:LEU:HG	1:216:B:LEU:HD11	10	0.36
(3,1952)	1:216:B:LEU:HG	1:216:B:LEU:HD11	15	0.36
(3,1952)	1:216:B:LEU:HG	1:216:B:LEU:HD13	16	0.36
(3,1952)	1:216:B:LEU:HG	1:216:B:LEU:HD12	17	0.36
(3,1951)	1:216:A:LEU:HG	1:216:A:LEU:HD13	1	0.36
(3,1951)	1:216:A:LEU:HG	1:216:A:LEU:HD13	5	0.36
(3,1951)	1:216:A:LEU:HG	1:216:A:LEU:HD11	10	0.36
(3,1951)	1:216:A:LEU:HG	1:216:A:LEU:HD11	12	0.36
(3,1951)	1:216:A:LEU:HG	1:216:A:LEU:HD11	15	0.36
(3,1951)	1:216:A:LEU:HG	1:216:A:LEU:HD13	16	0.36
(3,1951)	1:216:A:LEU:HG	1:216:A:LEU:HD12	17	0.36
(3,1944)	1:258:B:LEU:HD13	1:261:B:GLU:HB3	3	0.36
(3,1943)	1:258:A:LEU:HD13	1:261:A:GLU:HB3	3	0.36
(3,1943)	1:258:A:LEU:HD11	1:261:A:GLU:HB3	17	0.36
(3,1918)	1:216:B:LEU:HD21	1:217:A:GLN:HE21	12	0.36
(3,1868)	1:225:B:VAL:HG23	1:224:B:GLU:HB3	10	0.36
(3,1868)	1:225:B:VAL:HG21	1:224:B:GLU:HB3	14	0.36
(3,1868)	1:225:B:VAL:HG22	1:224:B:GLU:HB3	15	0.36
(3,1867)	1:225:A:VAL:HG23	1:224:A:GLU:HB3	10	0.36
(3,1560)	1:223:B:LEU:HD22	1:223:B:LEU:HG	1	0.36
(3,1560)	1:223:B:LEU:HD23	1:223:B:LEU:HG	6	0.36
(3,1560)	1:223:B:LEU:HD22	1:223:B:LEU:HG	9	0.36
(3,1560)	1:223:B:LEU:HD23	1:223:B:LEU:HG	19	0.36
(3,1559)	1:223:A:LEU:HD22	1:223:A:LEU:HG	1	0.36
(3,1559)	1:223:A:LEU:HD23	1:223:A:LEU:HG	6	0.36
(3,1559)	1:223:A:LEU:HD22	1:223:A:LEU:HG	9	0.36
(3,1466)	1:241:B:LEU:HD21	1:245:B:THR:H	16	0.36
(3,1444)	1:241:B:LEU:HD23	1:240:A:ARG:HG2	9	0.36
(3,1443)	1:241:A:LEU:HD23	1:240:B:ARG:HG2	9	0.36
(3,1330)	1:258:B:LEU:HD13	1:259:A:ARG:HA	12	0.36
(3,1329)	1:258:A:LEU:HD13	1:259:B:ARG:HA	7	0.36
(3,1329)	1:258:A:LEU:HD13	1:259:B:ARG:HA	12	0.36
(3,1329)	1:258:A:LEU:HD12	1:259:B:ARG:HA	17	0.36
(3,1282)	1:269:B:LEU:HA	1:269:B:LEU:HD22	7	0.36
(3,1282)	1:269:B:LEU:HA	1:269:B:LEU:HD23	11	0.36
(3,1282)	1:269:B:LEU:HA	1:269:B:LEU:HD23	12	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1282)	1:269:B:LEU:HA	1:269:B:LEU:HD23	16	0.36
(3,1282)	1:269:B:LEU:HA	1:269:B:LEU:HD22	19	0.36
(3,1281)	1:269:A:LEU:HA	1:269:A:LEU:HD22	7	0.36
(3,1281)	1:269:A:LEU:HA	1:269:A:LEU:HD23	9	0.36
(3,1281)	1:269:A:LEU:HA	1:269:A:LEU:HD23	11	0.36
(3,1281)	1:269:A:LEU:HA	1:269:A:LEU:HD22	19	0.36
(3,1271)	1:217:A:GLN:HA	1:220:A:ILE:HG22	14	0.36
(3,1154)	1:225:B:VAL:HG22	1:225:B:VAL:HB	4	0.36
(3,1154)	1:225:B:VAL:HG21	1:225:B:VAL:HB	13	0.36
(3,1153)	1:225:A:VAL:HG21	1:225:A:VAL:HB	13	0.36
(3,1153)	1:225:A:VAL:HG23	1:225:A:VAL:HB	19	0.36
(3,1096)	1:237:B:VAL:HB	1:237:B:VAL:HG11	15	0.36
(3,1096)	1:237:B:VAL:HB	1:237:B:VAL:HG11	17	0.36
(3,1096)	1:237:B:VAL:HB	1:237:B:VAL:HG13	20	0.36
(3,1095)	1:237:A:VAL:HB	1:237:A:VAL:HG11	17	0.36
(3,1095)	1:237:A:VAL:HB	1:237:A:VAL:HG13	20	0.36
(3,1078)	1:249:B:VAL:HG11	1:249:B:VAL:HB	3	0.36
(3,1078)	1:249:B:VAL:HG12	1:249:B:VAL:HB	6	0.36
(3,1078)	1:249:B:VAL:HG11	1:249:B:VAL:HB	13	0.36
(3,1078)	1:249:B:VAL:HG13	1:249:B:VAL:HB	15	0.36
(3,1078)	1:249:B:VAL:HG11	1:249:B:VAL:HB	18	0.36
(3,1077)	1:249:A:VAL:HG11	1:249:A:VAL:HB	3	0.36
(3,1077)	1:249:A:VAL:HG11	1:249:A:VAL:HB	13	0.36
(3,1077)	1:249:A:VAL:HG13	1:249:A:VAL:HB	15	0.36
(3,1077)	1:249:A:VAL:HG11	1:249:A:VAL:HB	18	0.36
(3,1068)	1:222:B:SER:HA	1:225:B:VAL:HG12	16	0.36
(3,1067)	1:222:A:SER:HA	1:225:A:VAL:HG12	16	0.36
(3,971)	1:238:A:GLN:HG3	1:233:B:PHE:HZ	7	0.36
(3,514)	1:251:B:MET:HE2	1:252:A:LYS:HA	14	0.36
(3,513)	1:251:A:MET:HE2	1:252:B:LYS:HA	14	0.36
(3,505)	1:262:A:LEU:HA	1:262:A:LEU:H	11	0.36
(1,2289)	1:208:A:ARG:HA	1:211:A:ALA:H	18	0.36
(1,2220)	1:255:B:PHE:HA	1:258:B:LEU:HD22	1	0.36
(1,2219)	1:255:A:PHE:HA	1:258:A:LEU:HD22	1	0.36
(1,2210)	1:216:B:LEU:HB2	1:216:B:LEU:HD12	2	0.36
(1,2209)	1:216:A:LEU:HB2	1:216:A:LEU:HD12	2	0.36
(1,2085)	1:228:A:LYS:HE3	1:225:A:VAL:HG22	9	0.36
(1,1901)	1:264:A:GLU:HG2	1:268:A:LYS:HE3	3	0.36
(1,1832)	1:240:B:ARG:HD2	1:241:A:LEU:HD13	7	0.36
(1,1831)	1:240:A:ARG:HD2	1:241:B:LEU:HD12	2	0.36
(1,1530)	1:223:B:LEU:HD21	1:227:B:ALA:H	15	0.36
(1,1529)	1:223:A:LEU:HD21	1:227:A:ALA:H	15	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1422)	1:258:B:LEU:HD23	1:255:A:PHE:HB2	13	0.36
(1,1360)	1:262:B:LEU:HD22	1:262:A:LEU:HB2	19	0.36
(1,1334)	1:269:B:LEU:HD22	1:268:A:LYS:HD2	14	0.36
(1,1333)	1:269:A:LEU:HG	1:269:A:LEU:HD21	6	0.36
(1,1333)	1:269:A:LEU:HD22	1:268:B:LYS:HD2	14	0.36
(1,1330)	1:269:B:LEU:HD13	1:264:A:GLU:HG3	5	0.36
(1,1171)	1:225:A:VAL:HG21	1:228:A:LYS:HD2	11	0.36
(1,1171)	1:225:A:VAL:HG21	1:228:A:LYS:HD3	19	0.36
(1,1112)	1:249:B:VAL:HG11	1:252:B:LYS:HB2	7	0.36
(1,1112)	1:249:B:VAL:HG13	1:252:B:LYS:HB2	17	0.36
(1,1111)	1:249:A:VAL:HG11	1:252:A:LYS:HB2	7	0.36
(1,948)	1:273:B:GLN:HA	1:269:B:LEU:HD21	12	0.36
(1,667)	1:264:A:GLU:HG3	1:268:A:LYS:HE2	19	0.36
(1,552)	1:251:B:MET:HG3	1:255:B:PHE:HB2	18	0.36
(1,551)	1:251:A:MET:HG3	1:255:A:PHE:HB2	18	0.36
(1,541)	1:251:A:MET:HE3	1:248:A:PHE:HB2	8	0.36
(1,536)	1:251:B:MET:HE2	1:249:A:VAL:H	1	0.36
(1,414)	1:234:B:ASN:HA	1:237:A:VAL:HG13	13	0.36
(1,414)	1:234:B:ASN:HA	1:237:A:VAL:HG13	16	0.36
(1,413)	1:234:A:ASN:HA	1:237:B:VAL:HG11	3	0.36
(1,413)	1:234:A:ASN:HA	1:237:B:VAL:HG11	6	0.36
(1,413)	1:234:A:ASN:HA	1:237:B:VAL:HG13	16	0.36
(1,324)	1:227:B:ALA:HB2	1:227:A:ALA:H	16	0.36
(1,252)	1:263:B:SER:HB3	1:258:A:LEU:HD22	2	0.36
(1,110)	1:255:B:PHE:HZ	1:258:A:LEU:HD21	10	0.36
(1,38)	1:210:B:LEU:HD21	1:210:A:LEU:HB2	14	0.36
(1,37)	1:210:A:LEU:HD21	1:210:B:LEU:HB2	14	0.36
(3,2400)	1:273:B:GLN:H	1:273:B:GLN:HB3	7	0.35
(3,1952)	1:216:B:LEU:HG	1:216:B:LEU:HD12	9	0.35
(3,1952)	1:216:B:LEU:HG	1:216:B:LEU:HD11	12	0.35
(3,1951)	1:216:A:LEU:HG	1:216:A:LEU:HD12	9	0.35
(3,1946)	1:255:B:PHE:HA	1:258:B:LEU:HD11	2	0.35
(3,1944)	1:258:B:LEU:HD11	1:261:B:GLU:HB3	17	0.35
(3,1917)	1:216:A:LEU:HD21	1:217:B:GLN:HE21	12	0.35
(3,1916)	1:216:B:LEU:HD22	1:217:A:GLN:HE22	9	0.35
(3,1915)	1:216:A:LEU:HD22	1:217:B:GLN:HE22	9	0.35
(3,1891)	1:264:A:GLU:HG2	1:260:A:THR:HG21	11	0.35
(3,1867)	1:225:A:VAL:HG21	1:224:A:GLU:HB3	14	0.35
(3,1670)	1:240:B:ARG:HD3	1:236:B:TYR:HD1	6	0.35
(3,1669)	1:240:A:ARG:HD3	1:236:A:TYR:HD1	6	0.35
(3,1601)	1:209:A:LEU:HD23	1:206:A:PHE:HA	13	0.35
(3,1560)	1:223:B:LEU:HD23	1:223:B:LEU:HG	4	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1560)	1:223:B:LEU:HD21	1:223:B:LEU:HG	17	0.35
(3,1559)	1:223:A:LEU:HD21	1:223:A:LEU:HG	17	0.35
(3,1559)	1:223:A:LEU:HD23	1:223:A:LEU:HG	19	0.35
(3,1465)	1:241:A:LEU:HD21	1:245:A:THR:H	16	0.35
(3,1447)	1:241:A:LEU:HD22	1:240:B:ARG:HD2	3	0.35
(3,1329)	1:258:A:LEU:HD11	1:259:B:ARG:HA	19	0.35
(3,1281)	1:269:A:LEU:HA	1:269:A:LEU:HD23	16	0.35
(3,1272)	1:217:B:GLN:HA	1:220:B:ILE:HG22	14	0.35
(3,1174)	1:222:B:SER:HA	1:225:B:VAL:HG23	10	0.35
(3,1174)	1:222:B:SER:HA	1:225:B:VAL:HG21	17	0.35
(3,1173)	1:222:A:SER:HA	1:225:A:VAL:HG23	16	0.35
(3,1173)	1:222:A:SER:HA	1:225:A:VAL:HG21	17	0.35
(3,1167)	1:225:A:VAL:HG22	1:221:A:ASN:HD21	7	0.35
(3,1098)	1:237:B:VAL:HA	1:237:B:VAL:HG13	4	0.35
(3,1098)	1:237:B:VAL:HA	1:237:B:VAL:HG12	5	0.35
(3,1098)	1:237:B:VAL:HA	1:237:B:VAL:HG12	10	0.35
(3,1097)	1:237:A:VAL:HA	1:237:A:VAL:HG13	4	0.35
(3,1097)	1:237:A:VAL:HA	1:237:A:VAL:HG12	10	0.35
(3,1097)	1:237:A:VAL:HA	1:237:A:VAL:HG12	11	0.35
(3,1096)	1:237:B:VAL:HB	1:237:B:VAL:HG12	1	0.35
(3,1096)	1:237:B:VAL:HB	1:237:B:VAL:HG12	12	0.35
(3,1095)	1:237:A:VAL:HB	1:237:A:VAL:HG12	1	0.35
(3,1095)	1:237:A:VAL:HB	1:237:A:VAL:HG12	12	0.35
(3,1095)	1:237:A:VAL:HB	1:237:A:VAL:HG12	18	0.35
(3,1078)	1:249:B:VAL:HG11	1:249:B:VAL:HB	2	0.35
(3,1078)	1:249:B:VAL:HG13	1:249:B:VAL:HB	4	0.35
(3,1078)	1:249:B:VAL:HG11	1:249:B:VAL:HB	5	0.35
(3,1078)	1:249:B:VAL:HG11	1:249:B:VAL:HB	7	0.35
(3,1078)	1:249:B:VAL:HG12	1:249:B:VAL:HB	8	0.35
(3,1078)	1:249:B:VAL:HG13	1:249:B:VAL:HB	9	0.35
(3,1078)	1:249:B:VAL:HG11	1:249:B:VAL:HB	10	0.35
(3,1078)	1:249:B:VAL:HG11	1:249:B:VAL:HB	11	0.35
(3,1078)	1:249:B:VAL:HG11	1:249:B:VAL:HB	12	0.35
(3,1078)	1:249:B:VAL:HG13	1:249:B:VAL:HB	17	0.35
(3,1078)	1:249:B:VAL:HG12	1:249:B:VAL:HB	19	0.35
(3,1078)	1:249:B:VAL:HG11	1:249:B:VAL:HB	20	0.35
(3,1077)	1:249:A:VAL:HG11	1:249:A:VAL:HB	2	0.35
(3,1077)	1:249:A:VAL:HG13	1:249:A:VAL:HB	4	0.35
(3,1077)	1:249:A:VAL:HG11	1:249:A:VAL:HB	5	0.35
(3,1077)	1:249:A:VAL:HG12	1:249:A:VAL:HB	6	0.35
(3,1077)	1:249:A:VAL:HG11	1:249:A:VAL:HB	7	0.35
(3,1077)	1:249:A:VAL:HG12	1:249:A:VAL:HB	8	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1077)	1:249:A:VAL:HG13	1:249:A:VAL:HB	9	0.35
(3,1077)	1:249:A:VAL:HG11	1:249:A:VAL:HB	10	0.35
(3,1077)	1:249:A:VAL:HG11	1:249:A:VAL:HB	11	0.35
(3,1077)	1:249:A:VAL:HG11	1:249:A:VAL:HB	12	0.35
(3,1077)	1:249:A:VAL:HG12	1:249:A:VAL:HB	19	0.35
(3,1077)	1:249:A:VAL:HG11	1:249:A:VAL:HB	20	0.35
(3,1068)	1:222:B:SER:HA	1:225:B:VAL:HG12	9	0.35
(3,1052)	1:249:B:VAL:HG22	1:249:B:VAL:HA	1	0.35
(3,1052)	1:249:B:VAL:HG22	1:249:B:VAL:HA	20	0.35
(3,1051)	1:249:A:VAL:HG22	1:249:A:VAL:HA	1	0.35
(3,1051)	1:249:A:VAL:HG22	1:249:A:VAL:HA	20	0.35
(3,536)	1:251:B:MET:HB2	1:251:B:MET:HE1	14	0.35
(3,506)	1:262:B:LEU:HA	1:262:B:LEU:H	1	0.35
(3,506)	1:262:B:LEU:HA	1:262:B:LEU:H	6	0.35
(3,506)	1:262:B:LEU:HA	1:262:B:LEU:H	11	0.35
(3,506)	1:262:B:LEU:HA	1:262:B:LEU:H	15	0.35
(3,506)	1:262:B:LEU:HA	1:262:B:LEU:H	16	0.35
(3,505)	1:262:A:LEU:HA	1:262:A:LEU:H	1	0.35
(3,505)	1:262:A:LEU:HA	1:262:A:LEU:H	2	0.35
(3,505)	1:262:A:LEU:HA	1:262:A:LEU:H	4	0.35
(3,505)	1:262:A:LEU:HA	1:262:A:LEU:H	5	0.35
(3,505)	1:262:A:LEU:HA	1:262:A:LEU:H	6	0.35
(3,505)	1:262:A:LEU:HA	1:262:A:LEU:H	7	0.35
(3,505)	1:262:A:LEU:HA	1:262:A:LEU:H	15	0.35
(3,505)	1:262:A:LEU:HA	1:262:A:LEU:H	16	0.35
(3,505)	1:262:A:LEU:HA	1:262:A:LEU:H	18	0.35
(3,323)	1:227:A:ALA:HB2	1:230:B:LEU:HD12	15	0.35
(1,2290)	1:208:B:ARG:HA	1:211:B:ALA:H	3	0.35
(1,2290)	1:208:B:ARG:HA	1:211:B:ALA:H	7	0.35
(1,2290)	1:208:B:ARG:HA	1:211:B:ALA:H	18	0.35
(1,2289)	1:208:A:ARG:HA	1:211:A:ALA:H	3	0.35
(1,2289)	1:208:A:ARG:HA	1:211:A:ALA:H	7	0.35
(1,2220)	1:255:B:PHE:HA	1:258:B:LEU:HD21	16	0.35
(1,2220)	1:255:B:PHE:HA	1:258:B:LEU:HD22	20	0.35
(1,2219)	1:255:A:PHE:HA	1:258:A:LEU:HD22	20	0.35
(1,2210)	1:216:B:LEU:HB2	1:216:B:LEU:HD11	11	0.35
(1,2209)	1:216:A:LEU:HB2	1:216:A:LEU:HD13	13	0.35
(1,1978)	1:219:B:LYS:HE3	1:216:B:LEU:HD22	7	0.35
(1,1832)	1:240:B:ARG:HD2	1:241:A:LEU:HD11	18	0.35
(1,1577)	1:216:A:LEU:HD23	1:213:B:ASN:HA	3	0.35
(1,1430)	1:258:B:LEU:HD21	1:266:A:GLN:HG2	7	0.35
(1,1426)	1:255:B:PHE:HB2	1:258:B:LEU:HD11	2	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1425)	1:255:A:PHE:HB2	1:258:A:LEU:HD11	2	0.35
(1,1421)	1:258:A:LEU:HD23	1:255:B:PHE:HB2	13	0.35
(1,1360)	1:262:B:LEU:HD22	1:262:A:LEU:HB2	11	0.35
(1,1359)	1:262:A:LEU:HD22	1:262:B:LEU:HB2	11	0.35
(1,1180)	1:245:B:THR:HG22	1:244:B:ILE:HG22	8	0.35
(1,1172)	1:225:B:VAL:HG21	1:228:B:LYS:HD2	10	0.35
(1,1172)	1:225:B:VAL:HG21	1:228:B:LYS:HD2	11	0.35
(1,1171)	1:225:A:VAL:HG21	1:228:A:LYS:HD2	10	0.35
(1,1170)	1:225:B:VAL:HG22	1:228:B:LYS:HB2	8	0.35
(1,1169)	1:225:A:VAL:HG22	1:228:A:LYS:HB2	8	0.35
(1,1169)	1:225:A:VAL:HG21	1:228:A:LYS:HB2	16	0.35
(1,1111)	1:249:A:VAL:HG13	1:252:A:LYS:HB2	17	0.35
(1,1022)	1:266:B:GLN:HG3	1:262:B:LEU:HD13	12	0.35
(1,966)	1:217:B:GLN:HG2	1:220:B:ILE:HA	10	0.35
(1,947)	1:273:A:GLN:HA	1:269:A:LEU:HD21	12	0.35
(1,668)	1:264:B:GLU:HG3	1:268:B:LYS:HE2	2	0.35
(1,668)	1:264:B:GLU:HG3	1:268:B:LYS:HE2	19	0.35
(1,667)	1:264:A:GLU:HG3	1:268:A:LYS:HE2	2	0.35
(1,542)	1:251:B:MET:HE3	1:248:B:PHE:HB2	8	0.35
(1,524)	1:251:B:MET:HE2	1:248:B:PHE:HA	18	0.35
(1,523)	1:251:A:MET:HE2	1:248:A:PHE:HA	18	0.35
(1,414)	1:234:B:ASN:HA	1:237:A:VAL:HG11	6	0.35
(1,370)	1:221:B:ASN:HB3	1:217:B:GLN:HG2	2	0.35
(1,369)	1:221:A:ASN:HB3	1:217:A:GLN:HG2	2	0.35
(1,323)	1:227:A:ALA:HB2	1:227:B:ALA:H	16	0.35
(1,78)	1:255:B:PHE:HD1	1:258:A:LEU:HD21	5	0.35
(1,77)	1:255:A:PHE:HD1	1:258:B:LEU:HD21	5	0.35
(3,2399)	1:273:A:GLN:H	1:273:A:GLN:HB3	7	0.34
(3,2058)	1:211:B:ALA:HB2	1:211:B:ALA:H	2	0.34
(3,2058)	1:211:B:ALA:HB2	1:211:B:ALA:H	7	0.34
(3,2058)	1:211:B:ALA:HB2	1:211:B:ALA:H	10	0.34
(3,2058)	1:211:B:ALA:HB1	1:211:B:ALA:H	11	0.34
(3,2058)	1:211:B:ALA:HB3	1:211:B:ALA:H	20	0.34
(3,2057)	1:211:A:ALA:HB2	1:211:A:ALA:H	2	0.34
(3,2057)	1:211:A:ALA:HB3	1:211:A:ALA:H	3	0.34
(3,2057)	1:211:A:ALA:HB2	1:211:A:ALA:H	7	0.34
(3,2057)	1:211:A:ALA:HB1	1:211:A:ALA:H	8	0.34
(3,2057)	1:211:A:ALA:HB2	1:211:A:ALA:H	10	0.34
(3,2057)	1:211:A:ALA:HB1	1:211:A:ALA:H	11	0.34
(3,1964)	1:249:B:VAL:HG22	1:252:B:LYS:HB3	19	0.34
(3,1963)	1:249:A:VAL:HG22	1:252:A:LYS:HB3	19	0.34
(3,1952)	1:216:B:LEU:HG	1:216:B:LEU:HD13	6	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1952)	1:216:B:LEU:HG	1:216:B:LEU:HD11	7	0.34
(3,1951)	1:216:A:LEU:HG	1:216:A:LEU:HD13	6	0.34
(3,1951)	1:216:A:LEU:HG	1:216:A:LEU:HD11	7	0.34
(3,1945)	1:255:A:PHE:HA	1:258:A:LEU:HD11	2	0.34
(3,1944)	1:258:B:LEU:HD13	1:261:B:GLU:HB3	5	0.34
(3,1944)	1:258:B:LEU:HD13	1:261:B:GLU:HB3	10	0.34
(3,1944)	1:258:B:LEU:HD12	1:261:B:GLU:HB3	12	0.34
(3,1944)	1:258:B:LEU:HD13	1:261:B:GLU:HB3	19	0.34
(3,1943)	1:258:A:LEU:HD13	1:261:A:GLU:HB3	5	0.34
(3,1943)	1:258:A:LEU:HD11	1:261:A:GLU:HB3	9	0.34
(3,1943)	1:258:A:LEU:HD13	1:261:A:GLU:HB3	10	0.34
(3,1943)	1:258:A:LEU:HD12	1:261:A:GLU:HB3	12	0.34
(3,1916)	1:216:B:LEU:HD22	1:217:A:GLN:HE22	11	0.34
(3,1892)	1:264:B:GLU:HG2	1:260:B:THR:HG21	11	0.34
(3,1602)	1:209:B:LEU:HD23	1:206:B:PHE:HA	13	0.34
(3,1570)	1:216:B:LEU:HD21	1:216:A:LEU:HB3	13	0.34
(3,1570)	1:216:B:LEU:HD22	1:216:A:LEU:HB3	20	0.34
(3,1569)	1:216:A:LEU:HD21	1:216:B:LEU:HB3	13	0.34
(3,1569)	1:216:A:LEU:HD23	1:216:B:LEU:HB3	14	0.34
(3,1560)	1:223:B:LEU:HD22	1:223:B:LEU:HG	7	0.34
(3,1560)	1:223:B:LEU:HD21	1:223:B:LEU:HG	12	0.34
(3,1559)	1:223:A:LEU:HD23	1:223:A:LEU:HG	4	0.34
(3,1559)	1:223:A:LEU:HD22	1:223:A:LEU:HG	7	0.34
(3,1559)	1:223:A:LEU:HD21	1:223:A:LEU:HG	12	0.34
(3,1466)	1:241:B:LEU:HD22	1:245:B:THR:H	4	0.34
(3,1330)	1:258:B:LEU:HD11	1:259:A:ARG:HA	11	0.34
(3,1329)	1:258:A:LEU:HD11	1:259:B:ARG:HA	3	0.34
(3,1298)	1:269:B:LEU:HD23	1:273:B:GLN:HE22	6	0.34
(3,1297)	1:269:A:LEU:HD23	1:273:A:GLN:HE22	6	0.34
(3,1174)	1:222:B:SER:HA	1:225:B:VAL:HG23	16	0.34
(3,1173)	1:222:A:SER:HA	1:225:A:VAL:HG23	2	0.34
(3,1173)	1:222:A:SER:HA	1:225:A:VAL:HG23	10	0.34
(3,1098)	1:237:B:VAL:HA	1:237:B:VAL:HG12	2	0.34
(3,1098)	1:237:B:VAL:HA	1:237:B:VAL:HG13	3	0.34
(3,1098)	1:237:B:VAL:HA	1:237:B:VAL:HG12	7	0.34
(3,1098)	1:237:B:VAL:HA	1:237:B:VAL:HG13	8	0.34
(3,1098)	1:237:B:VAL:HA	1:237:B:VAL:HG12	9	0.34
(3,1098)	1:237:B:VAL:HA	1:237:B:VAL:HG12	11	0.34
(3,1098)	1:237:B:VAL:HA	1:237:B:VAL:HG12	13	0.34
(3,1098)	1:237:B:VAL:HA	1:237:B:VAL:HG13	14	0.34
(3,1098)	1:237:B:VAL:HA	1:237:B:VAL:HG12	16	0.34
(3,1097)	1:237:A:VAL:HA	1:237:A:VAL:HG12	2	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1097)	1:237:A:VAL:HA	1:237:A:VAL:HG13	3	0.34
(3,1097)	1:237:A:VAL:HA	1:237:A:VAL:HG12	5	0.34
(3,1097)	1:237:A:VAL:HA	1:237:A:VAL:HG12	7	0.34
(3,1097)	1:237:A:VAL:HA	1:237:A:VAL:HG13	8	0.34
(3,1097)	1:237:A:VAL:HA	1:237:A:VAL:HG12	9	0.34
(3,1097)	1:237:A:VAL:HA	1:237:A:VAL:HG12	13	0.34
(3,1097)	1:237:A:VAL:HA	1:237:A:VAL:HG13	14	0.34
(3,1097)	1:237:A:VAL:HA	1:237:A:VAL:HG12	16	0.34
(3,1096)	1:237:B:VAL:HB	1:237:B:VAL:HG12	18	0.34
(3,1095)	1:237:A:VAL:HB	1:237:A:VAL:HG12	19	0.34
(3,1078)	1:249:B:VAL:HG11	1:249:B:VAL:HB	1	0.34
(3,1078)	1:249:B:VAL:HG13	1:249:B:VAL:HB	14	0.34
(3,1078)	1:249:B:VAL:HG11	1:249:B:VAL:HB	16	0.34
(3,1077)	1:249:A:VAL:HG11	1:249:A:VAL:HB	1	0.34
(3,1077)	1:249:A:VAL:HG13	1:249:A:VAL:HB	14	0.34
(3,1077)	1:249:A:VAL:HG11	1:249:A:VAL:HB	16	0.34
(3,1077)	1:249:A:VAL:HG13	1:249:A:VAL:HB	17	0.34
(3,1068)	1:222:B:SER:HA	1:225:B:VAL:HG13	2	0.34
(3,1067)	1:222:A:SER:HA	1:225:A:VAL:HG13	2	0.34
(3,1067)	1:222:A:SER:HA	1:225:A:VAL:HG12	9	0.34
(3,1052)	1:249:B:VAL:HG23	1:249:B:VAL:HA	13	0.34
(3,1051)	1:249:A:VAL:HG23	1:249:A:VAL:HA	4	0.34
(3,1051)	1:249:A:VAL:HG23	1:249:A:VAL:HA	13	0.34
(3,535)	1:251:A:MET:HB2	1:251:A:MET:HE1	14	0.34
(3,513)	1:251:A:MET:HE2	1:252:B:LYS:HA	19	0.34
(3,506)	1:262:B:LEU:HA	1:262:B:LEU:H	2	0.34
(3,506)	1:262:B:LEU:HA	1:262:B:LEU:H	3	0.34
(3,506)	1:262:B:LEU:HA	1:262:B:LEU:H	4	0.34
(3,506)	1:262:B:LEU:HA	1:262:B:LEU:H	5	0.34
(3,506)	1:262:B:LEU:HA	1:262:B:LEU:H	7	0.34
(3,506)	1:262:B:LEU:HA	1:262:B:LEU:H	8	0.34
(3,506)	1:262:B:LEU:HA	1:262:B:LEU:H	9	0.34
(3,506)	1:262:B:LEU:HA	1:262:B:LEU:H	10	0.34
(3,506)	1:262:B:LEU:HA	1:262:B:LEU:H	12	0.34
(3,506)	1:262:B:LEU:HA	1:262:B:LEU:H	13	0.34
(3,506)	1:262:B:LEU:HA	1:262:B:LEU:H	14	0.34
(3,506)	1:262:B:LEU:HA	1:262:B:LEU:H	17	0.34
(3,506)	1:262:B:LEU:HA	1:262:B:LEU:H	18	0.34
(3,506)	1:262:B:LEU:HA	1:262:B:LEU:H	19	0.34
(3,506)	1:262:B:LEU:HA	1:262:B:LEU:H	20	0.34
(3,505)	1:262:A:LEU:HA	1:262:A:LEU:H	3	0.34
(3,505)	1:262:A:LEU:HA	1:262:A:LEU:H	8	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,505)	1:262:A:LEU:HA	1:262:A:LEU:H	9	0.34
(3,505)	1:262:A:LEU:HA	1:262:A:LEU:H	10	0.34
(3,505)	1:262:A:LEU:HA	1:262:A:LEU:H	12	0.34
(3,505)	1:262:A:LEU:HA	1:262:A:LEU:H	13	0.34
(3,505)	1:262:A:LEU:HA	1:262:A:LEU:H	14	0.34
(3,505)	1:262:A:LEU:HA	1:262:A:LEU:H	17	0.34
(3,505)	1:262:A:LEU:HA	1:262:A:LEU:H	19	0.34
(3,505)	1:262:A:LEU:HA	1:262:A:LEU:H	20	0.34
(1,2219)	1:255:A:PHE:HA	1:258:A:LEU:HD21	16	0.34
(1,2211)	1:244:A:ILE:HG21	1:252:B:LYS:HE2	4	0.34
(1,2210)	1:216:B:LEU:HB2	1:216:B:LEU:HD13	13	0.34
(1,2210)	1:216:B:LEU:HB2	1:216:B:LEU:HD12	14	0.34
(1,2210)	1:216:B:LEU:HB2	1:216:B:LEU:HD11	20	0.34
(1,2209)	1:216:A:LEU:HB2	1:216:A:LEU:HD11	11	0.34
(1,2209)	1:216:A:LEU:HB2	1:216:A:LEU:HD12	14	0.34
(1,2209)	1:216:A:LEU:HB2	1:216:A:LEU:HD11	20	0.34
(1,1978)	1:219:B:LYS:HE3	1:216:B:LEU:HD22	4	0.34
(1,1978)	1:219:B:LYS:HE2	1:216:B:LEU:HD22	12	0.34
(1,1978)	1:219:B:LYS:HE3	1:216:B:LEU:HD23	19	0.34
(1,1977)	1:219:A:LYS:HE3	1:216:A:LEU:HD22	7	0.34
(1,1977)	1:219:A:LYS:HE2	1:216:A:LEU:HD22	12	0.34
(1,1962)	1:252:B:LYS:HE2	1:251:B:MET:HB3	1	0.34
(1,1961)	1:252:A:LYS:HE2	1:251:A:MET:HB3	1	0.34
(1,1832)	1:240:B:ARG:HD2	1:241:A:LEU:HD11	10	0.34
(1,1809)	1:243:A:ARG:HD2	1:245:A:THR:HG22	1	0.34
(1,1802)	1:243:B:ARG:HD3	1:239:B:GLU:HB3	10	0.34
(1,1801)	1:243:A:ARG:HD3	1:239:A:GLU:HB3	10	0.34
(1,1735)	1:259:A:ARG:HD2	1:260:A:THR:HG21	15	0.34
(1,1680)	1:270:B:ARG:HD2	1:267:B:GLN:HB3	19	0.34
(1,1650)	1:267:B:GLN:HB3	1:271:B:ARG:HG3	8	0.34
(1,1650)	1:267:B:GLN:HB3	1:271:B:ARG:HG3	11	0.34
(1,1649)	1:267:A:GLN:HB3	1:271:A:ARG:HG3	8	0.34
(1,1649)	1:267:A:GLN:HB3	1:271:A:ARG:HG3	11	0.34
(1,1547)	1:223:A:LEU:HD12	1:220:B:ILE:HG12	7	0.34
(1,1426)	1:255:B:PHE:HB2	1:258:B:LEU:HD12	3	0.34
(1,1426)	1:255:B:PHE:HB2	1:258:B:LEU:HD12	11	0.34
(1,1425)	1:255:A:PHE:HB2	1:258:A:LEU:HD12	3	0.34
(1,1425)	1:255:A:PHE:HB2	1:258:A:LEU:HD12	11	0.34
(1,1368)	1:262:B:LEU:HB2	1:262:A:LEU:HD21	4	0.34
(1,1367)	1:262:A:LEU:HB2	1:262:B:LEU:HD21	4	0.34
(1,1367)	1:262:A:LEU:HB2	1:262:B:LEU:HD23	16	0.34
(1,1360)	1:262:B:LEU:HD21	1:262:A:LEU:HB2	8	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1360)	1:262:B:LEU:HD22	1:262:A:LEU:HB2	17	0.34
(1,1359)	1:262:A:LEU:HD21	1:262:B:LEU:HB2	8	0.34
(1,1318)	1:243:B:ARG:HG2	1:242:B:ASP:HA	14	0.34
(1,1179)	1:245:A:THR:HG22	1:244:A:ILE:HG22	8	0.34
(1,1124)	1:237:B:VAL:HG12	1:235:B:GLU:HB2	7	0.34
(1,1124)	1:237:B:VAL:HG12	1:235:B:GLU:HB2	13	0.34
(1,1123)	1:237:A:VAL:HG12	1:235:A:GLU:HB2	13	0.34
(1,1021)	1:266:A:GLN:HG3	1:262:A:LEU:HD13	12	0.34
(1,965)	1:217:A:GLN:HG2	1:220:A:ILE:HA	10	0.34
(1,876)	1:223:B:LEU:HA	1:228:A:LYS:HG3	6	0.34
(1,788)	1:217:B:GLN:HA	1:216:A:LEU:HD12	7	0.34
(1,572)	1:257:B:THR:HG23	1:254:B:ASN:HD22	12	0.34
(1,571)	1:257:A:THR:HG23	1:254:A:ASN:HD22	12	0.34
(1,528)	1:251:B:MET:HE1	1:248:A:PHE:HE1	15	0.34
(1,524)	1:251:B:MET:HE2	1:248:B:PHE:HA	5	0.34
(1,523)	1:251:A:MET:HE2	1:248:A:PHE:HA	5	0.34
(1,414)	1:234:B:ASN:HA	1:237:A:VAL:HG11	3	0.34
(1,344)	1:227:B:ALA:HB2	1:226:B:GLU:HB3	7	0.34
(1,343)	1:227:A:ALA:HB2	1:226:A:GLU:HB3	7	0.34
(1,274)	1:215:B:SER:HB2	1:219:B:LYS:HE2	12	0.34
(1,202)	1:255:B:PHE:HZ	1:251:A:MET:HE1	3	0.34
(1,110)	1:255:B:PHE:HZ	1:258:A:LEU:HD21	16	0.34
(1,109)	1:255:A:PHE:HZ	1:258:B:LEU:HD21	16	0.34
(1,69)	1:255:A:PHE:HD1	1:251:B:MET:HB2	18	0.34
(3,2392)	1:272:B:GLN:HB3	1:272:B:GLN:H	20	0.33
(3,2391)	1:272:A:GLN:HB3	1:272:A:GLN:H	20	0.33
(3,2058)	1:211:B:ALA:HB3	1:211:B:ALA:H	3	0.33
(3,2058)	1:211:B:ALA:HB1	1:211:B:ALA:H	8	0.33
(3,2058)	1:211:B:ALA:HB2	1:211:B:ALA:H	14	0.33
(3,2058)	1:211:B:ALA:HB2	1:211:B:ALA:H	19	0.33
(3,2057)	1:211:A:ALA:HB2	1:211:A:ALA:H	5	0.33
(3,2057)	1:211:A:ALA:HB1	1:211:A:ALA:H	6	0.33
(3,2057)	1:211:A:ALA:HB2	1:211:A:ALA:H	9	0.33
(3,2057)	1:211:A:ALA:HB2	1:211:A:ALA:H	14	0.33
(3,2057)	1:211:A:ALA:HB3	1:211:A:ALA:H	15	0.33
(3,2057)	1:211:A:ALA:HB2	1:211:A:ALA:H	19	0.33
(3,2057)	1:211:A:ALA:HB3	1:211:A:ALA:H	20	0.33
(3,1963)	1:249:A:VAL:HG22	1:252:A:LYS:HB3	17	0.33
(3,1952)	1:216:B:LEU:HG	1:216:B:LEU:HD13	18	0.33
(3,1951)	1:216:A:LEU:HG	1:216:A:LEU:HD13	18	0.33
(3,1946)	1:255:B:PHE:HA	1:258:B:LEU:HD11	7	0.33
(3,1945)	1:255:A:PHE:HA	1:258:A:LEU:HD11	7	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1944)	1:258:B:LEU:HD11	1:261:B:GLU:HB3	9	0.33
(3,1944)	1:258:B:LEU:HD13	1:261:B:GLU:HB3	20	0.33
(3,1943)	1:258:A:LEU:HD13	1:261:A:GLU:HB3	19	0.33
(3,1915)	1:216:A:LEU:HD22	1:217:B:GLN:HE22	11	0.33
(3,1891)	1:264:A:GLU:HG2	1:260:A:THR:HG21	5	0.33
(3,1891)	1:264:A:GLU:HG2	1:260:A:THR:HG23	6	0.33
(3,1570)	1:216:B:LEU:HD23	1:216:A:LEU:HB3	14	0.33
(3,1466)	1:241:B:LEU:HD23	1:245:B:THR:H	17	0.33
(3,1465)	1:241:A:LEU:HD22	1:245:A:THR:H	4	0.33
(3,1465)	1:241:A:LEU:HD23	1:245:A:THR:H	17	0.33
(3,1448)	1:241:B:LEU:HD22	1:240:A:ARG:HD2	16	0.33
(3,1348)	1:262:B:LEU:HD22	1:258:A:LEU:HG	3	0.33
(3,1348)	1:262:B:LEU:HD23	1:258:A:LEU:HG	6	0.33
(3,1348)	1:262:B:LEU:HD21	1:258:A:LEU:HG	12	0.33
(3,1348)	1:262:B:LEU:HD22	1:258:A:LEU:HG	13	0.33
(3,1329)	1:258:A:LEU:HD11	1:259:B:ARG:HA	11	0.33
(3,1329)	1:258:A:LEU:HD12	1:259:B:ARG:HA	14	0.33
(3,1174)	1:222:B:SER:HA	1:225:B:VAL:HG23	2	0.33
(3,1098)	1:237:B:VAL:HA	1:237:B:VAL:HG13	17	0.33
(3,1097)	1:237:A:VAL:HA	1:237:A:VAL:HG13	6	0.33
(3,1097)	1:237:A:VAL:HA	1:237:A:VAL:HG13	17	0.33
(3,1096)	1:237:B:VAL:HB	1:237:B:VAL:HG12	19	0.33
(3,1052)	1:249:B:VAL:HG23	1:249:B:VAL:HA	2	0.33
(3,1052)	1:249:B:VAL:HG23	1:249:B:VAL:HA	4	0.33
(3,1052)	1:249:B:VAL:HG23	1:249:B:VAL:HA	5	0.33
(3,1052)	1:249:B:VAL:HG23	1:249:B:VAL:HA	7	0.33
(3,1052)	1:249:B:VAL:HG23	1:249:B:VAL:HA	10	0.33
(3,1051)	1:249:A:VAL:HG23	1:249:A:VAL:HA	2	0.33
(3,1051)	1:249:A:VAL:HG23	1:249:A:VAL:HA	5	0.33
(3,1051)	1:249:A:VAL:HG23	1:249:A:VAL:HA	7	0.33
(3,1051)	1:249:A:VAL:HG23	1:249:A:VAL:HA	10	0.33
(3,1051)	1:249:A:VAL:HG23	1:249:A:VAL:HA	12	0.33
(3,1051)	1:249:A:VAL:HG22	1:249:A:VAL:HA	17	0.33
(3,536)	1:251:B:MET:HB2	1:251:B:MET:HE1	19	0.33
(3,536)	1:251:B:MET:HB2	1:251:B:MET:HE2	20	0.33
(3,535)	1:251:A:MET:HB2	1:251:A:MET:HE1	19	0.33
(3,535)	1:251:A:MET:HB2	1:251:A:MET:HE2	20	0.33
(3,514)	1:251:B:MET:HE2	1:252:A:LYS:HA	19	0.33
(3,324)	1:227:B:ALA:HB2	1:230:A:LEU:HD12	15	0.33
(3,180)	1:255:B:PHE:HE1	1:258:A:LEU:HD21	5	0.33
(3,46)	1:236:B:TYR:HE1	1:240:B:ARG:HD3	6	0.33
(3,45)	1:236:A:TYR:HE1	1:240:A:ARG:HD3	6	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2290)	1:208:B:ARG:HA	1:211:B:ALA:H	5	0.33
(1,2290)	1:208:B:ARG:HA	1:211:B:ALA:H	17	0.33
(1,2289)	1:208:A:ARG:HA	1:211:A:ALA:H	5	0.33
(1,2220)	1:255:B:PHE:HA	1:258:B:LEU:HD23	14	0.33
(1,2188)	1:252:B:LYS:HG2	1:256:B:GLU:HG2	1	0.33
(1,2187)	1:252:A:LYS:HG2	1:256:A:GLU:HG2	1	0.33
(1,1978)	1:219:B:LYS:HE2	1:216:B:LEU:HD22	14	0.33
(1,1977)	1:219:A:LYS:HE3	1:216:A:LEU:HD22	4	0.33
(1,1977)	1:219:A:LYS:HE2	1:216:A:LEU:HD22	14	0.33
(1,1977)	1:219:A:LYS:HE3	1:216:A:LEU:HD23	19	0.33
(1,1960)	1:256:B:GLU:HG3	1:252:B:LYS:HE3	20	0.33
(1,1831)	1:240:A:ARG:HD2	1:241:B:LEU:HD12	3	0.33
(1,1831)	1:240:A:ARG:HD2	1:241:B:LEU:HD11	18	0.33
(1,1810)	1:243:B:ARG:HD2	1:245:B:THR:HG22	1	0.33
(1,1736)	1:259:B:ARG:HD2	1:260:B:THR:HG21	15	0.33
(1,1650)	1:267:B:GLN:HB3	1:271:B:ARG:HG3	3	0.33
(1,1418)	1:258:B:LEU:HD21	1:255:A:PHE:HZ	3	0.33
(1,1368)	1:262:B:LEU:HB2	1:262:A:LEU:HD21	5	0.33
(1,1368)	1:262:B:LEU:HB2	1:262:A:LEU:HD23	9	0.33
(1,1368)	1:262:B:LEU:HB2	1:262:A:LEU:HD23	16	0.33
(1,1368)	1:262:B:LEU:HB2	1:262:A:LEU:HD22	19	0.33
(1,1367)	1:262:A:LEU:HB2	1:262:B:LEU:HD23	9	0.33
(1,1359)	1:262:A:LEU:HD22	1:262:B:LEU:HB2	17	0.33
(1,1317)	1:243:A:ARG:HG2	1:242:A:ASP:HA	14	0.33
(1,1172)	1:225:B:VAL:HG21	1:228:B:LYS:HD2	2	0.33
(1,1171)	1:225:A:VAL:HG21	1:228:A:LYS:HD2	2	0.33
(1,1123)	1:237:A:VAL:HG12	1:235:A:GLU:HB2	7	0.33
(1,1112)	1:249:B:VAL:HG11	1:252:B:LYS:HD3	20	0.33
(1,1111)	1:249:A:VAL:HG11	1:252:A:LYS:HD3	20	0.33
(1,1022)	1:266:B:GLN:HG3	1:262:B:LEU:HD13	20	0.33
(1,1021)	1:266:A:GLN:HG3	1:262:A:LEU:HD13	20	0.33
(1,876)	1:223:B:LEU:HA	1:228:B:LYS:HG3	2	0.33
(1,787)	1:217:A:GLN:HA	1:216:B:LEU:HD12	7	0.33
(1,542)	1:251:B:MET:HE3	1:248:B:PHE:HB2	10	0.33
(1,542)	1:251:B:MET:HE3	1:248:B:PHE:HB2	12	0.33
(1,541)	1:251:A:MET:HE3	1:248:A:PHE:HB2	10	0.33
(1,541)	1:251:A:MET:HE3	1:248:A:PHE:HB2	12	0.33
(1,534)	1:251:B:MET:HE1	1:254:A:ASN:H	8	0.33
(1,530)	1:251:B:MET:HE3	1:248:B:PHE:H	12	0.33
(1,529)	1:251:A:MET:HE3	1:248:A:PHE:H	12	0.33
(1,528)	1:251:B:MET:HE1	1:248:A:PHE:HE1	1	0.33
(1,528)	1:251:B:MET:HE3	1:248:A:PHE:HE1	12	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,273)	1:215:A:SER:HB2	1:219:A:LYS:HE2	12	0.33
(1,109)	1:255:A:PHE:HZ	1:258:B:LEU:HD21	10	0.33
(1,71)	1:255:A:PHE:HD1	1:251:B:MET:HE2	17	0.33
(3,2400)	1:273:B:GLN:H	1:273:B:GLN:HB3	6	0.32
(3,2392)	1:272:B:GLN:HB3	1:272:B:GLN:H	14	0.32
(3,2391)	1:272:A:GLN:HB3	1:272:A:GLN:H	14	0.32
(3,2058)	1:211:B:ALA:HB1	1:211:B:ALA:H	1	0.32
(3,2058)	1:211:B:ALA:HB2	1:211:B:ALA:H	4	0.32
(3,2058)	1:211:B:ALA:HB2	1:211:B:ALA:H	5	0.32
(3,2058)	1:211:B:ALA:HB1	1:211:B:ALA:H	6	0.32
(3,2058)	1:211:B:ALA:HB2	1:211:B:ALA:H	9	0.32
(3,2058)	1:211:B:ALA:HB3	1:211:B:ALA:H	12	0.32
(3,2058)	1:211:B:ALA:HB2	1:211:B:ALA:H	13	0.32
(3,2058)	1:211:B:ALA:HB3	1:211:B:ALA:H	15	0.32
(3,2058)	1:211:B:ALA:HB1	1:211:B:ALA:H	16	0.32
(3,2057)	1:211:A:ALA:HB1	1:211:A:ALA:H	1	0.32
(3,2057)	1:211:A:ALA:HB2	1:211:A:ALA:H	4	0.32
(3,2057)	1:211:A:ALA:HB3	1:211:A:ALA:H	12	0.32
(3,2057)	1:211:A:ALA:HB2	1:211:A:ALA:H	13	0.32
(3,2057)	1:211:A:ALA:HB1	1:211:A:ALA:H	16	0.32
(3,1964)	1:249:B:VAL:HG22	1:252:B:LYS:HB3	17	0.32
(3,1952)	1:216:B:LEU:HG	1:216:B:LEU:HD11	19	0.32
(3,1944)	1:258:B:LEU:HD11	1:261:B:GLU:HB3	8	0.32
(3,1943)	1:258:A:LEU:HD11	1:261:A:GLU:HB3	8	0.32
(3,1943)	1:258:A:LEU:HD13	1:261:A:GLU:HB3	20	0.32
(3,1892)	1:264:B:GLU:HG2	1:260:B:THR:HG21	5	0.32
(3,1892)	1:264:B:GLU:HG2	1:260:B:THR:HG23	6	0.32
(3,1570)	1:216:B:LEU:HD23	1:216:A:LEU:HB3	2	0.32
(3,1570)	1:216:B:LEU:HD23	1:216:A:LEU:HB3	7	0.32
(3,1570)	1:216:B:LEU:HD21	1:216:A:LEU:HB3	11	0.32
(3,1570)	1:216:B:LEU:HD21	1:216:A:LEU:HB3	19	0.32
(3,1569)	1:216:A:LEU:HD23	1:216:B:LEU:HB3	4	0.32
(3,1569)	1:216:A:LEU:HD21	1:216:B:LEU:HB3	11	0.32
(3,1569)	1:216:A:LEU:HD21	1:216:B:LEU:HB3	19	0.32
(3,1448)	1:241:B:LEU:HD22	1:240:A:ARG:HD2	3	0.32
(3,1402)	1:257:B:THR:HG21	1:258:B:LEU:HD13	10	0.32
(3,1401)	1:257:A:THR:HG21	1:258:A:LEU:HD13	10	0.32
(3,1348)	1:262:B:LEU:HD23	1:258:A:LEU:HG	1	0.32
(3,1348)	1:262:B:LEU:HD23	1:258:A:LEU:HG	2	0.32
(3,1348)	1:262:B:LEU:HD23	1:258:A:LEU:HG	7	0.32
(3,1348)	1:262:B:LEU:HD23	1:258:A:LEU:HG	8	0.32
(3,1348)	1:262:B:LEU:HD22	1:258:A:LEU:HG	15	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1348)	1:262:B:LEU:HD23	1:258:A:LEU:HG	18	0.32
(3,1348)	1:262:B:LEU:HD22	1:258:A:LEU:HG	20	0.32
(3,1347)	1:262:A:LEU:HD23	1:258:B:LEU:HG	2	0.32
(3,1347)	1:262:A:LEU:HD23	1:258:B:LEU:HG	6	0.32
(3,1347)	1:262:A:LEU:HD23	1:258:B:LEU:HG	8	0.32
(3,1347)	1:262:A:LEU:HD23	1:258:B:LEU:HG	10	0.32
(3,1347)	1:262:A:LEU:HD21	1:258:B:LEU:HG	12	0.32
(3,1347)	1:262:A:LEU:HD22	1:258:B:LEU:HG	13	0.32
(3,1347)	1:262:A:LEU:HD23	1:258:B:LEU:HG	14	0.32
(3,1272)	1:217:B:GLN:HA	1:220:B:ILE:HG23	13	0.32
(3,1271)	1:217:A:GLN:HA	1:220:A:ILE:HG23	13	0.32
(3,1246)	1:220:B:ILE:HB	1:220:B:ILE:HG22	8	0.32
(3,1246)	1:220:B:ILE:HB	1:220:B:ILE:HG22	11	0.32
(3,1245)	1:220:A:ILE:HB	1:220:A:ILE:HG22	8	0.32
(3,1245)	1:220:A:ILE:HB	1:220:A:ILE:HG22	11	0.32
(3,1168)	1:225:B:VAL:HG22	1:221:B:ASN:HD21	7	0.32
(3,1098)	1:237:B:VAL:HA	1:237:B:VAL:HG13	6	0.32
(3,1098)	1:237:B:VAL:HA	1:237:B:VAL:HG11	12	0.32
(3,1097)	1:237:A:VAL:HA	1:237:A:VAL:HG11	12	0.32
(3,1052)	1:249:B:VAL:HG22	1:249:B:VAL:HA	6	0.32
(3,1052)	1:249:B:VAL:HG23	1:249:B:VAL:HA	12	0.32
(3,1052)	1:249:B:VAL:HG22	1:249:B:VAL:HA	14	0.32
(3,1052)	1:249:B:VAL:HG21	1:249:B:VAL:HA	16	0.32
(3,1052)	1:249:B:VAL:HG22	1:249:B:VAL:HA	17	0.32
(3,1052)	1:249:B:VAL:HG22	1:249:B:VAL:HA	19	0.32
(3,1051)	1:249:A:VAL:HG22	1:249:A:VAL:HA	6	0.32
(3,1051)	1:249:A:VAL:HG22	1:249:A:VAL:HA	14	0.32
(3,1051)	1:249:A:VAL:HG21	1:249:A:VAL:HA	16	0.32
(3,1051)	1:249:A:VAL:HG22	1:249:A:VAL:HA	19	0.32
(3,968)	1:218:B:GLN:HG2	1:218:B:GLN:H	4	0.32
(3,967)	1:218:A:GLN:HG2	1:218:A:GLN:H	4	0.32
(3,681)	1:212:A:GLU:HG3	1:211:A:ALA:HB3	1	0.32
(3,179)	1:255:A:PHE:HE1	1:258:B:LEU:HD21	5	0.32
(3,138)	1:248:B:PHE:HZ	1:244:A:ILE:HG21	16	0.32
(1,2289)	1:208:A:ARG:HA	1:211:A:ALA:H	17	0.32
(1,2219)	1:255:A:PHE:HA	1:258:A:LEU:HD23	14	0.32
(1,1959)	1:256:A:GLU:HG3	1:252:A:LYS:HE3	20	0.32
(1,1736)	1:259:B:ARG:HD2	1:260:B:THR:HG22	6	0.32
(1,1735)	1:259:A:ARG:HD2	1:260:A:THR:HG22	6	0.32
(1,1679)	1:270:A:ARG:HD2	1:267:A:GLN:HB3	19	0.32
(1,1649)	1:267:A:GLN:HB3	1:271:A:ARG:HG3	3	0.32
(1,1578)	1:216:B:LEU:HD22	1:213:B:ASN:HA	19	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1577)	1:216:A:LEU:HD22	1:213:A:ASN:HA	19	0.32
(1,1367)	1:262:A:LEU:HB2	1:262:B:LEU:HD21	5	0.32
(1,1367)	1:262:A:LEU:HB2	1:262:B:LEU:HD22	19	0.32
(1,1360)	1:262:B:LEU:HD22	1:262:A:LEU:HB2	12	0.32
(1,1359)	1:262:A:LEU:HD22	1:262:B:LEU:HB2	12	0.32
(1,1359)	1:262:A:LEU:HD21	1:262:B:LEU:HB2	18	0.32
(1,1336)	1:269:B:LEU:HD11	1:268:A:LYS:HB2	17	0.32
(1,1334)	1:269:B:LEU:HD22	1:268:A:LYS:HD2	13	0.32
(1,1180)	1:245:B:THR:HG22	1:244:B:ILE:HG23	15	0.32
(1,1179)	1:245:A:THR:HG22	1:244:A:ILE:HG23	15	0.32
(1,1124)	1:237:B:VAL:HG12	1:235:B:GLU:HB2	2	0.32
(1,876)	1:223:B:LEU:HA	1:228:B:LYS:HG3	20	0.32
(1,875)	1:223:A:LEU:HA	1:228:A:LYS:HG3	2	0.32
(1,768)	1:256:B:GLU:HG2	1:252:B:LYS:HG3	2	0.32
(1,665)	1:264:A:GLU:HG2	1:268:A:LYS:HE2	2	0.32
(1,641)	1:264:A:GLU:HB2	1:269:B:LEU:HD12	10	0.32
(1,535)	1:251:A:MET:HE2	1:249:B:VAL:H	1	0.32
(1,530)	1:251:B:MET:HE3	1:248:B:PHE:H	10	0.32
(1,529)	1:251:A:MET:HE3	1:248:A:PHE:H	10	0.32
(1,528)	1:251:B:MET:HE2	1:248:A:PHE:HE1	20	0.32
(1,527)	1:251:A:MET:HE1	1:248:B:PHE:HE1	1	0.32
(1,527)	1:251:A:MET:HE3	1:248:B:PHE:HE1	12	0.32
(1,527)	1:251:A:MET:HE1	1:248:B:PHE:HE1	15	0.32
(1,370)	1:221:B:ASN:HB3	1:224:B:GLU:HB3	3	0.32
(1,369)	1:221:A:ASN:HB3	1:224:A:GLU:HB3	3	0.32
(1,344)	1:227:B:ALA:HB2	1:226:A:GLU:HB3	8	0.32
(1,343)	1:227:A:ALA:HB2	1:226:B:GLU:HB3	8	0.32
(1,324)	1:227:B:ALA:HB3	1:227:B:ALA:H	18	0.32
(1,323)	1:227:A:ALA:HB3	1:227:A:ALA:H	18	0.32
(1,274)	1:215:B:SER:HB2	1:219:B:LYS:HE2	7	0.32
(1,273)	1:215:A:SER:HB2	1:219:A:LYS:HE2	7	0.32
(1,252)	1:263:B:SER:HB3	1:258:A:LEU:HD22	12	0.32
(1,251)	1:263:A:SER:HB3	1:258:B:LEU:HD22	12	0.32
(1,72)	1:255:B:PHE:HD1	1:251:A:MET:HE2	17	0.32
(3,2400)	1:273:B:GLN:H	1:273:B:GLN:HB3	14	0.31
(3,2399)	1:273:A:GLN:H	1:273:A:GLN:HB3	6	0.31
(3,2399)	1:273:A:GLN:H	1:273:A:GLN:HB3	14	0.31
(3,2102)	1:213:B:ASN:HB3	1:213:B:ASN:H	11	0.31
(3,2102)	1:213:B:ASN:HB3	1:213:B:ASN:H	13	0.31
(3,2102)	1:213:B:ASN:HB3	1:213:B:ASN:H	19	0.31
(3,2101)	1:213:A:ASN:HB3	1:213:A:ASN:H	11	0.31
(3,2101)	1:213:A:ASN:HB3	1:213:A:ASN:H	19	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2058)	1:211:B:ALA:HB2	1:211:B:ALA:H	17	0.31
(3,2058)	1:211:B:ALA:HB2	1:211:B:ALA:H	18	0.31
(3,2057)	1:211:A:ALA:HB2	1:211:A:ALA:H	17	0.31
(3,2057)	1:211:A:ALA:HB2	1:211:A:ALA:H	18	0.31
(3,1951)	1:216:A:LEU:HG	1:216:A:LEU:HD11	19	0.31
(3,1950)	1:216:B:LEU:HD11	1:217:A:GLN:HA	6	0.31
(3,1944)	1:258:B:LEU:HD13	1:261:B:GLU:HB3	18	0.31
(3,1943)	1:258:A:LEU:HD13	1:261:A:GLU:HB3	18	0.31
(3,1892)	1:264:B:GLU:HG2	1:260:B:THR:HG23	3	0.31
(3,1892)	1:264:B:GLU:HG2	1:260:B:THR:HG22	19	0.31
(3,1891)	1:264:A:GLU:HG2	1:260:A:THR:HG23	3	0.31
(3,1865)	1:249:A:VAL:HG21	1:253:A:ASP:H	18	0.31
(3,1684)	1:240:B:ARG:HG3	1:240:B:ARG:H	12	0.31
(3,1570)	1:216:B:LEU:HD23	1:216:A:LEU:HB3	3	0.31
(3,1570)	1:216:B:LEU:HD23	1:216:A:LEU:HB3	4	0.31
(3,1569)	1:216:A:LEU:HD23	1:216:B:LEU:HB3	2	0.31
(3,1569)	1:216:A:LEU:HD23	1:216:B:LEU:HB3	10	0.31
(3,1569)	1:216:A:LEU:HD21	1:216:B:LEU:HB3	17	0.31
(3,1569)	1:216:A:LEU:HD22	1:216:B:LEU:HB3	20	0.31
(3,1447)	1:241:A:LEU:HD22	1:240:B:ARG:HD2	16	0.31
(3,1402)	1:257:B:THR:HG23	1:258:B:LEU:HD13	20	0.31
(3,1348)	1:262:B:LEU:HD23	1:258:A:LEU:HG	4	0.31
(3,1348)	1:262:B:LEU:HD23	1:258:A:LEU:HG	5	0.31
(3,1348)	1:262:B:LEU:HD22	1:258:A:LEU:HG	9	0.31
(3,1348)	1:262:B:LEU:HD23	1:258:A:LEU:HG	10	0.31
(3,1348)	1:262:B:LEU:HD21	1:258:A:LEU:HG	11	0.31
(3,1348)	1:262:B:LEU:HD23	1:258:A:LEU:HG	14	0.31
(3,1348)	1:262:B:LEU:HD22	1:258:A:LEU:HG	16	0.31
(3,1348)	1:262:B:LEU:HD21	1:258:A:LEU:HG	17	0.31
(3,1348)	1:262:B:LEU:HD21	1:258:A:LEU:HG	19	0.31
(3,1347)	1:262:A:LEU:HD22	1:258:B:LEU:HG	3	0.31
(3,1347)	1:262:A:LEU:HD23	1:258:B:LEU:HG	5	0.31
(3,1347)	1:262:A:LEU:HD22	1:258:B:LEU:HG	9	0.31
(3,1347)	1:262:A:LEU:HD21	1:258:B:LEU:HG	11	0.31
(3,1347)	1:262:A:LEU:HD22	1:258:B:LEU:HG	15	0.31
(3,1347)	1:262:A:LEU:HD22	1:258:B:LEU:HG	16	0.31
(3,1347)	1:262:A:LEU:HD21	1:258:B:LEU:HG	17	0.31
(3,1347)	1:262:A:LEU:HD21	1:258:B:LEU:HG	19	0.31
(3,1330)	1:258:B:LEU:HD12	1:259:A:ARG:HA	14	0.31
(3,1330)	1:258:B:LEU:HD12	1:259:A:ARG:HA	17	0.31
(3,1267)	1:220:A:ILE:HD11	1:216:A:LEU:HB3	12	0.31
(3,1245)	1:220:A:ILE:HB	1:220:A:ILE:HG21	2	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1192)	1:247:B:ASP:HB3	1:244:B:ILE:HA	11	0.31
(3,1174)	1:222:B:SER:HA	1:225:B:VAL:HG23	7	0.31
(3,1173)	1:222:A:SER:HA	1:225:A:VAL:HG23	7	0.31
(3,1173)	1:222:A:SER:HA	1:225:A:VAL:HG21	14	0.31
(3,1168)	1:225:B:VAL:HG22	1:221:B:ASN:HD21	12	0.31
(3,1098)	1:237:B:VAL:HA	1:237:B:VAL:HG12	20	0.31
(3,1097)	1:237:A:VAL:HA	1:237:A:VAL:HG13	15	0.31
(3,1097)	1:237:A:VAL:HA	1:237:A:VAL:HG12	20	0.31
(3,1052)	1:249:B:VAL:HG22	1:249:B:VAL:HA	3	0.31
(3,1052)	1:249:B:VAL:HG23	1:249:B:VAL:HA	8	0.31
(3,1052)	1:249:B:VAL:HG23	1:249:B:VAL:HA	11	0.31
(3,1052)	1:249:B:VAL:HG23	1:249:B:VAL:HA	15	0.31
(3,1052)	1:249:B:VAL:HG21	1:249:B:VAL:HA	18	0.31
(3,1051)	1:249:A:VAL:HG22	1:249:A:VAL:HA	3	0.31
(3,1051)	1:249:A:VAL:HG23	1:249:A:VAL:HA	8	0.31
(3,1051)	1:249:A:VAL:HG22	1:249:A:VAL:HA	9	0.31
(3,1051)	1:249:A:VAL:HG23	1:249:A:VAL:HA	11	0.31
(3,1051)	1:249:A:VAL:HG23	1:249:A:VAL:HA	15	0.31
(3,1051)	1:249:A:VAL:HG21	1:249:A:VAL:HA	18	0.31
(3,968)	1:218:B:GLN:HG2	1:218:B:GLN:H	2	0.31
(3,967)	1:218:A:GLN:HG2	1:218:A:GLN:H	2	0.31
(3,682)	1:212:B:GLU:HG3	1:211:B:ALA:HB3	1	0.31
(3,580)	1:245:B:THR:HG22	1:249:B:VAL:HG23	3	0.31
(3,580)	1:245:B:THR:HG21	1:249:B:VAL:HG22	18	0.31
(3,579)	1:245:A:THR:HG22	1:249:A:VAL:HG23	3	0.31
(3,579)	1:245:A:THR:HG21	1:249:A:VAL:HG22	18	0.31
(3,560)	1:257:B:THR:HG21	1:261:B:GLU:HG2	8	0.31
(3,559)	1:257:A:THR:HG21	1:261:A:GLU:HG2	8	0.31
(3,323)	1:227:A:ALA:HB3	1:230:B:LEU:HD11	7	0.31
(3,323)	1:227:A:ALA:HB1	1:230:B:LEU:HD11	19	0.31
(3,186)	1:262:B:LEU:HD13	1:254:A:ASN:HD21	6	0.31
(3,185)	1:262:A:LEU:HD13	1:254:B:ASN:HD21	6	0.31
(3,21)	1:244:A:ILE:HD11	1:244:B:ILE:HG22	18	0.31
(1,2290)	1:208:B:ARG:HA	1:211:B:ALA:H	2	0.31
(1,2290)	1:208:B:ARG:HA	1:211:B:ALA:H	6	0.31
(1,2289)	1:208:A:ARG:HA	1:211:A:ALA:H	2	0.31
(1,2289)	1:208:A:ARG:HA	1:211:A:ALA:H	6	0.31
(1,2218)	1:258:B:LEU:HD21	1:261:A:GLU:HB2	20	0.31
(1,2173)	1:259:A:ARG:HD3	1:256:A:GLU:HG2	9	0.31
(1,1978)	1:219:B:LYS:HE2	1:216:B:LEU:HD22	10	0.31
(1,1902)	1:268:B:LYS:HE3	1:272:A:GLN:HG2	10	0.31
(1,1901)	1:268:A:LYS:HE3	1:272:B:GLN:HG2	10	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1426)	1:255:B:PHE:HB2	1:258:B:LEU:HD12	5	0.31
(1,1426)	1:255:B:PHE:HB2	1:258:B:LEU:HD11	7	0.31
(1,1425)	1:255:A:PHE:HB2	1:258:A:LEU:HD12	5	0.31
(1,1368)	1:262:B:LEU:HB2	1:262:A:LEU:HD22	11	0.31
(1,1366)	1:212:B:GLU:HB3	1:216:B:LEU:HD11	19	0.31
(1,1365)	1:212:A:GLU:HB3	1:216:A:LEU:HD11	19	0.31
(1,1360)	1:262:B:LEU:HD23	1:262:A:LEU:HB2	13	0.31
(1,1360)	1:262:B:LEU:HD21	1:262:A:LEU:HB2	18	0.31
(1,1359)	1:262:A:LEU:HD23	1:262:B:LEU:HB2	13	0.31
(1,1351)	1:259:A:ARG:HA	1:262:A:LEU:HD23	4	0.31
(1,1335)	1:269:A:LEU:HD12	1:268:B:LYS:HB2	18	0.31
(1,1330)	1:214:B:GLU:HG2	1:210:B:LEU:HD12	4	0.31
(1,1314)	1:269:B:LEU:HG	1:271:B:ARG:HE	15	0.31
(1,1123)	1:237:A:VAL:HG12	1:235:A:GLU:HB2	2	0.31
(1,1112)	1:249:B:VAL:HG13	1:252:B:LYS:HB2	14	0.31
(1,876)	1:223:B:LEU:HA	1:228:B:LYS:HG3	14	0.31
(1,875)	1:223:A:LEU:HA	1:228:B:LYS:HG3	6	0.31
(1,875)	1:223:A:LEU:HA	1:228:A:LYS:HG3	14	0.31
(1,875)	1:223:A:LEU:HA	1:228:A:LYS:HG3	20	0.31
(1,767)	1:256:A:GLU:HG2	1:252:A:LYS:HG3	2	0.31
(1,765)	1:256:A:GLU:HG2	1:252:A:LYS:HB2	11	0.31
(1,758)	1:256:B:GLU:HG2	1:252:B:LYS:HE3	1	0.31
(1,757)	1:256:A:GLU:HG2	1:252:A:LYS:HE3	1	0.31
(1,757)	1:256:A:GLU:HG3	1:252:A:LYS:HE3	19	0.31
(1,666)	1:264:B:GLU:HG2	1:268:B:LYS:HE2	2	0.31
(1,542)	1:251:B:MET:HE1	1:248:B:PHE:HB2	14	0.31
(1,541)	1:251:A:MET:HE1	1:248:A:PHE:HB2	14	0.31
(1,533)	1:251:A:MET:HE1	1:254:B:ASN:H	8	0.31
(1,530)	1:251:B:MET:HE1	1:248:B:PHE:H	19	0.31
(1,529)	1:251:A:MET:HE1	1:248:A:PHE:H	19	0.31
(1,528)	1:251:B:MET:HE3	1:248:A:PHE:HD1	13	0.31
(1,527)	1:251:A:MET:HE2	1:248:B:PHE:HE1	5	0.31
(1,524)	1:251:B:MET:HE3	1:248:B:PHE:HA	6	0.31
(1,344)	1:227:B:ALA:HB2	1:226:A:GLU:HB3	15	0.31
(1,324)	1:227:B:ALA:HB1	1:227:B:ALA:H	10	0.31
(1,323)	1:227:A:ALA:HB1	1:227:A:ALA:H	1	0.31
(1,323)	1:227:A:ALA:HB1	1:227:A:ALA:H	10	0.31
(1,201)	1:255:A:PHE:HZ	1:251:B:MET:HE1	3	0.31
(3,2506)	1:244:B:ILE:HG12	1:244:B:ILE:H	9	0.3
(3,2505)	1:244:A:ILE:HG12	1:244:A:ILE:H	9	0.3
(3,2392)	1:272:B:GLN:HB3	1:272:B:GLN:H	7	0.3
(3,2391)	1:272:A:GLN:HB3	1:272:A:GLN:H	7	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2101)	1:213:A:ASN:HB3	1:213:A:ASN:H	13	0.3
(3,1999)	1:263:A:SER:H	1:265:A:ALA:HB2	18	0.3
(3,1952)	1:216:B:LEU:HG	1:216:B:LEU:HD12	11	0.3
(3,1952)	1:216:B:LEU:HG	1:216:B:LEU:HD11	13	0.3
(3,1952)	1:216:B:LEU:HG	1:216:B:LEU:HD13	14	0.3
(3,1951)	1:216:A:LEU:HG	1:216:A:LEU:HD13	2	0.3
(3,1951)	1:216:A:LEU:HG	1:216:A:LEU:HD12	11	0.3
(3,1951)	1:216:A:LEU:HG	1:216:A:LEU:HD11	13	0.3
(3,1951)	1:216:A:LEU:HG	1:216:A:LEU:HD13	14	0.3
(3,1949)	1:216:A:LEU:HD11	1:217:B:GLN:HA	6	0.3
(3,1946)	1:255:B:PHE:HA	1:258:B:LEU:HD12	3	0.3
(3,1946)	1:255:B:PHE:HA	1:258:B:LEU:HD12	5	0.3
(3,1945)	1:255:A:PHE:HA	1:258:A:LEU:HD12	3	0.3
(3,1892)	1:264:B:GLU:HG2	1:260:B:THR:HG23	1	0.3
(3,1892)	1:264:B:GLU:HG2	1:260:B:THR:HG23	7	0.3
(3,1892)	1:264:B:GLU:HG2	1:260:B:THR:HG22	8	0.3
(3,1892)	1:264:B:GLU:HG2	1:260:B:THR:HG21	13	0.3
(3,1891)	1:264:A:GLU:HG2	1:260:A:THR:HG23	1	0.3
(3,1891)	1:264:A:GLU:HG2	1:260:A:THR:HG23	7	0.3
(3,1891)	1:264:A:GLU:HG2	1:260:A:THR:HG22	8	0.3
(3,1891)	1:264:A:GLU:HG2	1:260:A:THR:HG23	9	0.3
(3,1891)	1:264:A:GLU:HG2	1:260:A:THR:HG21	13	0.3
(3,1891)	1:264:A:GLU:HG2	1:260:A:THR:HG22	19	0.3
(3,1891)	1:264:A:GLU:HG2	1:260:A:THR:HG23	20	0.3
(3,1866)	1:249:B:VAL:HG21	1:253:B:ASP:H	18	0.3
(3,1683)	1:240:A:ARG:HG3	1:240:A:ARG:H	12	0.3
(3,1570)	1:216:B:LEU:HD21	1:216:A:LEU:HB3	1	0.3
(3,1570)	1:216:B:LEU:HD22	1:216:A:LEU:HB3	6	0.3
(3,1570)	1:216:B:LEU:HD22	1:216:A:LEU:HB3	8	0.3
(3,1570)	1:216:B:LEU:HD23	1:216:A:LEU:HB3	10	0.3
(3,1569)	1:216:A:LEU:HD23	1:216:B:LEU:HB3	3	0.3
(3,1569)	1:216:A:LEU:HD23	1:216:B:LEU:HB3	7	0.3
(3,1569)	1:216:A:LEU:HD22	1:216:B:LEU:HB3	8	0.3
(3,1569)	1:216:A:LEU:HD21	1:216:B:LEU:HB3	16	0.3
(3,1447)	1:241:A:LEU:HD23	1:240:B:ARG:HD2	7	0.3
(3,1402)	1:257:B:THR:HG21	1:258:B:LEU:HD11	1	0.3
(3,1402)	1:257:B:THR:HG21	1:258:B:LEU:HD11	8	0.3
(3,1402)	1:257:B:THR:HG21	1:258:B:LEU:HD11	13	0.3
(3,1402)	1:257:B:THR:HG22	1:258:B:LEU:HD13	18	0.3
(3,1401)	1:257:A:THR:HG21	1:258:A:LEU:HD11	1	0.3
(3,1401)	1:257:A:THR:HG21	1:258:A:LEU:HD11	8	0.3
(3,1401)	1:257:A:THR:HG21	1:258:A:LEU:HD11	13	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1401)	1:257:A:THR:HG22	1:258:A:LEU:HD13	18	0.3
(3,1401)	1:257:A:THR:HG23	1:258:A:LEU:HD13	20	0.3
(3,1391)	1:258:A:LEU:HD13	1:261:A:GLU:HG2	16	0.3
(3,1347)	1:262:A:LEU:HD23	1:258:B:LEU:HG	1	0.3
(3,1347)	1:262:A:LEU:HD23	1:258:B:LEU:HG	4	0.3
(3,1347)	1:262:A:LEU:HD23	1:258:B:LEU:HG	7	0.3
(3,1347)	1:262:A:LEU:HD23	1:258:B:LEU:HG	18	0.3
(3,1347)	1:262:A:LEU:HD22	1:258:B:LEU:HG	20	0.3
(3,1330)	1:258:B:LEU:HD11	1:259:A:ARG:HA	18	0.3
(3,1329)	1:258:A:LEU:HD11	1:259:B:ARG:HA	18	0.3
(3,1268)	1:220:B:ILE:HD11	1:216:B:LEU:HB3	12	0.3
(3,1268)	1:220:B:ILE:HD12	1:216:B:LEU:HB3	18	0.3
(3,1267)	1:220:A:ILE:HD12	1:216:A:LEU:HB3	18	0.3
(3,1246)	1:220:B:ILE:HB	1:220:B:ILE:HG21	2	0.3
(3,1246)	1:220:B:ILE:HB	1:220:B:ILE:HG22	5	0.3
(3,1246)	1:220:B:ILE:HB	1:220:B:ILE:HG23	6	0.3
(3,1246)	1:220:B:ILE:HB	1:220:B:ILE:HG21	14	0.3
(3,1246)	1:220:B:ILE:HB	1:220:B:ILE:HG23	15	0.3
(3,1246)	1:220:B:ILE:HB	1:220:B:ILE:HG23	17	0.3
(3,1246)	1:220:B:ILE:HB	1:220:B:ILE:HG23	20	0.3
(3,1245)	1:220:A:ILE:HB	1:220:A:ILE:HG22	5	0.3
(3,1245)	1:220:A:ILE:HB	1:220:A:ILE:HG23	6	0.3
(3,1245)	1:220:A:ILE:HB	1:220:A:ILE:HG21	14	0.3
(3,1245)	1:220:A:ILE:HB	1:220:A:ILE:HG23	15	0.3
(3,1245)	1:220:A:ILE:HB	1:220:A:ILE:HG23	17	0.3
(3,1245)	1:220:A:ILE:HB	1:220:A:ILE:HG23	20	0.3
(3,1191)	1:247:A:ASP:HB3	1:244:A:ILE:HA	11	0.3
(3,1174)	1:222:B:SER:HA	1:225:B:VAL:HG21	14	0.3
(3,1167)	1:225:A:VAL:HG22	1:221:A:ASN:HD21	12	0.3
(3,1098)	1:237:B:VAL:HA	1:237:B:VAL:HG13	15	0.3
(3,1098)	1:237:B:VAL:HA	1:237:B:VAL:HG11	18	0.3
(3,1098)	1:237:B:VAL:HA	1:237:B:VAL:HG11	19	0.3
(3,1097)	1:237:A:VAL:HA	1:237:A:VAL:HG11	19	0.3
(3,1068)	1:222:B:SER:HA	1:225:B:VAL:HG12	12	0.3
(3,1067)	1:222:A:SER:HA	1:225:A:VAL:HG12	12	0.3
(3,1056)	1:246:B:ASP:HA	1:249:B:VAL:HG13	3	0.3
(3,1052)	1:249:B:VAL:HG22	1:249:B:VAL:HA	9	0.3
(3,967)	1:218:A:GLN:HG2	1:218:A:GLN:H	9	0.3
(3,940)	1:266:B:GLN:HG3	1:262:B:LEU:HG	17	0.3
(3,324)	1:227:B:ALA:HB1	1:230:A:LEU:HD11	19	0.3
(3,322)	1:227:B:ALA:HB2	1:226:A:GLU:HG3	1	0.3
(3,321)	1:227:A:ALA:HB2	1:226:B:GLU:HG3	1	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,282)	1:222:B:SER:HB2	1:223:B:LEU:H	15	0.3
(3,281)	1:222:A:SER:HB2	1:223:A:LEU:H	15	0.3
(3,22)	1:244:B:ILE:HD11	1:244:A:ILE:HG22	18	0.3
(1,2212)	1:244:B:ILE:HG21	1:252:A:LYS:HE2	4	0.3
(1,1977)	1:219:A:LYS:HE2	1:216:A:LEU:HD22	10	0.3
(1,1902)	1:264:B:GLU:HG2	1:268:B:LYS:HE2	7	0.3
(1,1832)	1:240:B:ARG:HD2	1:241:A:LEU:HD12	1	0.3
(1,1809)	1:243:A:ARG:HD3	1:245:A:THR:HG23	13	0.3
(1,1430)	1:258:B:LEU:HD23	1:266:A:GLN:HG2	11	0.3
(1,1429)	1:258:A:LEU:HD23	1:266:B:GLN:HG2	11	0.3
(1,1425)	1:255:A:PHE:HB2	1:258:A:LEU:HD11	7	0.3
(1,1420)	1:258:B:LEU:HD21	1:255:A:PHE:HD2	12	0.3
(1,1419)	1:258:A:LEU:HD21	1:255:B:PHE:HD2	12	0.3
(1,1417)	1:258:A:LEU:HD21	1:255:B:PHE:HZ	3	0.3
(1,1368)	1:262:B:LEU:HB2	1:262:A:LEU:HD21	8	0.3
(1,1367)	1:262:A:LEU:HB2	1:262:B:LEU:HD22	11	0.3
(1,1367)	1:262:A:LEU:HB2	1:262:B:LEU:HD22	17	0.3
(1,1360)	1:262:B:LEU:HD21	1:262:A:LEU:HB2	10	0.3
(1,1360)	1:262:B:LEU:HD21	1:262:A:LEU:HB2	14	0.3
(1,1359)	1:262:A:LEU:HD21	1:262:B:LEU:HB2	1	0.3
(1,1359)	1:262:A:LEU:HD23	1:262:B:LEU:HB2	3	0.3
(1,1359)	1:262:A:LEU:HD21	1:262:B:LEU:HB2	14	0.3
(1,1352)	1:259:B:ARG:HA	1:262:B:LEU:HD23	4	0.3
(1,1335)	1:269:A:LEU:HD11	1:268:B:LYS:HB2	17	0.3
(1,1333)	1:269:A:LEU:HD22	1:268:B:LYS:HD2	13	0.3
(1,1329)	1:214:A:GLU:HG2	1:210:A:LEU:HD12	4	0.3
(1,1124)	1:237:B:VAL:HG13	1:235:B:GLU:HB2	17	0.3
(1,1123)	1:237:A:VAL:HG13	1:235:A:GLU:HB2	17	0.3
(1,1111)	1:249:A:VAL:HG13	1:252:A:LYS:HB2	14	0.3
(1,1025)	1:218:A:GLN:HG2	1:215:A:SER:H	14	0.3
(1,1022)	1:266:B:GLN:HG3	1:262:B:LEU:HD11	14	0.3
(1,1021)	1:266:A:GLN:HG3	1:262:A:LEU:HD11	14	0.3
(1,982)	1:273:B:GLN:HG2	1:269:B:LEU:HB2	4	0.3
(1,981)	1:273:A:GLN:HG2	1:269:A:LEU:HB2	4	0.3
(1,768)	1:256:B:GLU:HG3	1:252:B:LYS:HG3	8	0.3
(1,767)	1:256:A:GLU:HG3	1:252:A:LYS:HG3	8	0.3
(1,766)	1:256:B:GLU:HG2	1:252:B:LYS:HB2	11	0.3
(1,758)	1:256:B:GLU:HG3	1:252:B:LYS:HE3	19	0.3
(1,610)	1:245:B:THR:HG23	1:240:A:ARG:HD2	14	0.3
(1,542)	1:251:B:MET:HE2	1:248:B:PHE:HB2	20	0.3
(1,530)	1:251:B:MET:HE1	1:248:B:PHE:H	15	0.3
(1,529)	1:251:A:MET:HE1	1:248:A:PHE:H	15	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,528)	1:251:B:MET:HE2	1:248:A:PHE:HE1	5	0.3
(1,523)	1:251:A:MET:HE3	1:248:A:PHE:HA	6	0.3
(1,343)	1:227:A:ALA:HB2	1:226:B:GLU:HB3	15	0.3
(1,324)	1:227:B:ALA:HB1	1:227:B:ALA:H	1	0.3
(1,324)	1:227:B:ALA:HB2	1:227:A:ALA:H	11	0.3
(1,323)	1:227:A:ALA:HB2	1:227:B:ALA:H	11	0.3
(3,2102)	1:213:B:ASN:HB3	1:213:B:ASN:H	20	0.29
(3,2101)	1:213:A:ASN:HB3	1:213:A:ASN:H	20	0.29
(3,2000)	1:263:B:SER:H	1:265:B:ALA:HB1	11	0.29
(3,2000)	1:263:B:SER:H	1:265:B:ALA:HB2	18	0.29
(3,1952)	1:216:B:LEU:HG	1:216:B:LEU:HD13	2	0.29
(3,1952)	1:216:B:LEU:HG	1:216:B:LEU:HD12	20	0.29
(3,1951)	1:216:A:LEU:HG	1:216:A:LEU:HD12	20	0.29
(3,1949)	1:216:A:LEU:HD12	1:217:B:GLN:HA	7	0.29
(3,1946)	1:255:B:PHE:HA	1:258:B:LEU:HD12	10	0.29
(3,1945)	1:255:A:PHE:HA	1:258:A:LEU:HD12	5	0.29
(3,1945)	1:255:A:PHE:HA	1:258:A:LEU:HD12	10	0.29
(3,1945)	1:255:A:PHE:HA	1:258:A:LEU:HD13	17	0.29
(3,1918)	1:216:B:LEU:HD22	1:217:A:GLN:HE21	19	0.29
(3,1892)	1:264:B:GLU:HG2	1:260:B:THR:HG23	9	0.29
(3,1892)	1:264:B:GLU:HG2	1:260:B:THR:HG22	15	0.29
(3,1892)	1:264:B:GLU:HG2	1:260:B:THR:HG21	18	0.29
(3,1892)	1:264:B:GLU:HG2	1:260:B:THR:HG23	20	0.29
(3,1891)	1:264:A:GLU:HG2	1:260:A:THR:HG22	10	0.29
(3,1891)	1:264:A:GLU:HG2	1:260:A:THR:HG21	18	0.29
(3,1868)	1:225:B:VAL:HG23	1:224:B:GLU:HB3	2	0.29
(3,1868)	1:225:B:VAL:HG22	1:224:B:GLU:HB3	9	0.29
(3,1867)	1:225:A:VAL:HG23	1:224:A:GLU:HB3	2	0.29
(3,1867)	1:225:A:VAL:HG21	1:224:A:GLU:HB3	13	0.29
(3,1866)	1:249:B:VAL:HG22	1:253:B:ASP:H	9	0.29
(3,1865)	1:249:A:VAL:HG22	1:253:A:ASP:H	9	0.29
(3,1837)	1:228:A:LYS:HG3	1:228:A:LYS:H	16	0.29
(3,1570)	1:216:B:LEU:HD21	1:216:A:LEU:HB3	5	0.29
(3,1570)	1:216:B:LEU:HD23	1:216:A:LEU:HB3	12	0.29
(3,1570)	1:216:B:LEU:HD22	1:216:A:LEU:HB3	15	0.29
(3,1570)	1:216:B:LEU:HD21	1:216:A:LEU:HB3	16	0.29
(3,1570)	1:216:B:LEU:HD21	1:216:A:LEU:HB3	17	0.29
(3,1570)	1:216:B:LEU:HD22	1:216:A:LEU:HB3	18	0.29
(3,1569)	1:216:A:LEU:HD21	1:216:B:LEU:HB3	1	0.29
(3,1569)	1:216:A:LEU:HD21	1:216:B:LEU:HB3	5	0.29
(3,1569)	1:216:A:LEU:HD22	1:216:B:LEU:HB3	6	0.29
(3,1569)	1:216:A:LEU:HD23	1:216:B:LEU:HB3	12	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1569)	1:216:A:LEU:HD22	1:216:B:LEU:HB3	15	0.29
(3,1569)	1:216:A:LEU:HD22	1:216:B:LEU:HB3	18	0.29
(3,1443)	1:241:A:LEU:HD21	1:240:B:ARG:HG2	20	0.29
(3,1402)	1:257:B:THR:HG22	1:258:B:LEU:HD12	7	0.29
(3,1402)	1:257:B:THR:HG22	1:258:B:LEU:HD13	11	0.29
(3,1402)	1:257:B:THR:HG22	1:258:B:LEU:HD13	15	0.29
(3,1402)	1:257:B:THR:HG22	1:258:B:LEU:HD13	19	0.29
(3,1401)	1:257:A:THR:HG22	1:258:A:LEU:HD13	5	0.29
(3,1401)	1:257:A:THR:HG22	1:258:A:LEU:HD12	7	0.29
(3,1401)	1:257:A:THR:HG22	1:258:A:LEU:HD13	11	0.29
(3,1401)	1:257:A:THR:HG22	1:258:A:LEU:HD13	15	0.29
(3,1401)	1:257:A:THR:HG22	1:258:A:LEU:HD13	19	0.29
(3,1392)	1:258:B:LEU:HD13	1:261:B:GLU:HG2	16	0.29
(3,1324)	1:266:B:GLN:HG3	1:262:B:LEU:HD13	12	0.29
(3,1246)	1:220:B:ILE:HB	1:220:B:ILE:HG21	1	0.29
(3,1246)	1:220:B:ILE:HB	1:220:B:ILE:HG22	3	0.29
(3,1246)	1:220:B:ILE:HB	1:220:B:ILE:HG21	12	0.29
(3,1246)	1:220:B:ILE:HB	1:220:B:ILE:HG22	16	0.29
(3,1246)	1:220:B:ILE:HB	1:220:B:ILE:HG23	18	0.29
(3,1245)	1:220:A:ILE:HB	1:220:A:ILE:HG21	1	0.29
(3,1245)	1:220:A:ILE:HB	1:220:A:ILE:HG22	3	0.29
(3,1245)	1:220:A:ILE:HB	1:220:A:ILE:HG21	12	0.29
(3,1245)	1:220:A:ILE:HB	1:220:A:ILE:HG23	18	0.29
(3,1222)	1:244:B:ILE:HG22	1:247:B:ASP:HB3	10	0.29
(3,1192)	1:247:B:ASP:HB3	1:244:B:ILE:HA	10	0.29
(3,1191)	1:247:A:ASP:HB3	1:244:A:ILE:HA	10	0.29
(3,1098)	1:237:B:VAL:HA	1:237:B:VAL:HG11	1	0.29
(3,1097)	1:237:A:VAL:HA	1:237:A:VAL:HG11	1	0.29
(3,1097)	1:237:A:VAL:HA	1:237:A:VAL:HG11	18	0.29
(3,1055)	1:246:A:ASP:HA	1:249:A:VAL:HG13	3	0.29
(3,968)	1:218:B:GLN:HG2	1:218:B:GLN:H	9	0.29
(3,939)	1:266:A:GLN:HG3	1:262:A:LEU:HG	17	0.29
(3,682)	1:212:B:GLU:HG3	1:211:B:ALA:HB1	10	0.29
(3,681)	1:212:A:GLU:HG3	1:211:A:ALA:HB1	10	0.29
(3,559)	1:257:A:THR:HG23	1:261:A:GLU:HG2	2	0.29
(3,324)	1:227:B:ALA:HB2	1:230:A:LEU:HD12	10	0.29
(3,323)	1:227:A:ALA:HB1	1:230:B:LEU:HD11	3	0.29
(3,282)	1:222:B:SER:HB2	1:223:B:LEU:H	13	0.29
(3,282)	1:222:B:SER:HB2	1:223:B:LEU:H	14	0.29
(3,281)	1:222:A:SER:HB2	1:223:A:LEU:H	13	0.29
(3,137)	1:248:A:PHE:HZ	1:244:B:ILE:HG21	16	0.29
(1,2290)	1:208:B:ARG:HA	1:211:B:ALA:H	1	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2289)	1:208:A:ARG:HA	1:211:A:ALA:H	1	0.29
(1,2217)	1:258:A:LEU:HD21	1:261:B:GLU:HB2	20	0.29
(1,2174)	1:259:B:ARG:HD3	1:256:B:GLU:HG2	9	0.29
(1,1978)	1:219:B:LYS:HE3	1:216:B:LEU:HD23	1	0.29
(1,1977)	1:219:A:LYS:HE3	1:216:A:LEU:HD23	1	0.29
(1,1902)	1:264:B:GLU:HG2	1:268:B:LYS:HE3	13	0.29
(1,1901)	1:264:A:GLU:HG2	1:268:A:LYS:HE2	7	0.29
(1,1901)	1:264:A:GLU:HG2	1:268:A:LYS:HE3	13	0.29
(1,1810)	1:243:B:ARG:HD3	1:245:B:THR:HG23	13	0.29
(1,1426)	1:255:B:PHE:HB2	1:258:B:LEU:HD12	20	0.29
(1,1425)	1:255:A:PHE:HB2	1:258:A:LEU:HD13	17	0.29
(1,1425)	1:255:A:PHE:HB2	1:258:A:LEU:HD12	20	0.29
(1,1422)	1:258:B:LEU:HD23	1:255:A:PHE:HB2	19	0.29
(1,1367)	1:262:A:LEU:HB2	1:262:B:LEU:HD21	8	0.29
(1,1360)	1:262:B:LEU:HD21	1:262:A:LEU:HB2	1	0.29
(1,1359)	1:262:A:LEU:HD21	1:262:B:LEU:HB2	2	0.29
(1,1359)	1:262:A:LEU:HD21	1:262:B:LEU:HB2	10	0.29
(1,1336)	1:269:B:LEU:HD12	1:268:A:LYS:HB2	18	0.29
(1,1335)	1:269:A:LEU:HD12	1:268:B:LYS:HB2	15	0.29
(1,1330)	1:214:B:GLU:HG2	1:210:B:LEU:HD12	20	0.29
(1,1198)	1:244:B:ILE:HD12	1:240:B:ARG:HA	15	0.29
(1,1197)	1:244:A:ILE:HD12	1:240:A:ARG:HA	15	0.29
(1,1144)	1:237:B:VAL:HG22	1:233:B:PHE:HE1	15	0.29
(1,1143)	1:237:A:VAL:HG22	1:233:A:PHE:HE1	15	0.29
(1,1123)	1:237:A:VAL:HG12	1:235:A:GLU:HB2	11	0.29
(1,1112)	1:249:B:VAL:HG11	1:252:B:LYS:HB2	11	0.29
(1,1111)	1:249:A:VAL:HG11	1:252:A:LYS:HB2	11	0.29
(1,1026)	1:218:B:GLN:HG2	1:215:B:SER:H	14	0.29
(1,947)	1:273:A:GLN:HA	1:269:A:LEU:HD22	13	0.29
(1,642)	1:264:B:GLU:HB2	1:269:A:LEU:HD12	10	0.29
(1,609)	1:245:A:THR:HG23	1:240:B:ARG:HD2	14	0.29
(1,541)	1:251:A:MET:HE2	1:248:A:PHE:HB2	20	0.29
(1,528)	1:251:B:MET:HE2	1:248:A:PHE:HD1	3	0.29
(1,528)	1:251:B:MET:HE2	1:248:A:PHE:HE1	4	0.29
(1,527)	1:251:A:MET:HE3	1:248:B:PHE:HD1	13	0.29
(1,527)	1:251:A:MET:HE2	1:248:B:PHE:HE1	20	0.29
(1,370)	1:221:B:ASN:HB3	1:224:B:GLU:HB3	20	0.29
(1,369)	1:221:A:ASN:HB3	1:224:A:GLU:HB3	20	0.29
(1,323)	1:227:A:ALA:HB3	1:227:A:ALA:H	12	0.29
(3,2456)	1:217:B:GLN:HB3	1:217:B:GLN:H	6	0.28
(3,2455)	1:217:A:GLN:HB3	1:217:A:GLN:H	6	0.28
(3,2400)	1:273:B:GLN:H	1:273:B:GLN:HB3	2	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2399)	1:273:A:GLN:H	1:273:A:GLN:HB3	2	0.28
(3,2392)	1:272:B:GLN:HB3	1:272:B:GLN:H	12	0.28
(3,2391)	1:272:A:GLN:HB3	1:272:A:GLN:H	12	0.28
(3,2000)	1:263:B:SER:H	1:265:B:ALA:HB3	4	0.28
(3,2000)	1:263:B:SER:H	1:265:B:ALA:HB2	14	0.28
(3,2000)	1:263:B:SER:H	1:265:B:ALA:HB1	16	0.28
(3,1999)	1:263:A:SER:H	1:265:A:ALA:HB3	4	0.28
(3,1999)	1:263:A:SER:H	1:265:A:ALA:HB1	11	0.28
(3,1999)	1:263:A:SER:H	1:265:A:ALA:HB2	14	0.28
(3,1999)	1:263:A:SER:H	1:265:A:ALA:HB1	16	0.28
(3,1964)	1:249:B:VAL:HG22	1:252:B:LYS:HB3	14	0.28
(3,1963)	1:249:A:VAL:HG22	1:252:A:LYS:HB3	14	0.28
(3,1950)	1:216:B:LEU:HD12	1:217:A:GLN:HA	7	0.28
(3,1946)	1:255:B:PHE:HA	1:258:B:LEU:HD12	6	0.28
(3,1946)	1:255:B:PHE:HA	1:258:B:LEU:HD13	17	0.28
(3,1945)	1:255:A:PHE:HA	1:258:A:LEU:HD12	6	0.28
(3,1917)	1:216:A:LEU:HD22	1:217:B:GLN:HE21	19	0.28
(3,1913)	1:244:A:ILE:HD11	1:248:B:PHE:HE1	16	0.28
(3,1892)	1:264:B:GLU:HG2	1:260:B:THR:HG21	2	0.28
(3,1892)	1:264:B:GLU:HG2	1:260:B:THR:HG21	4	0.28
(3,1892)	1:264:B:GLU:HG2	1:260:B:THR:HG22	10	0.28
(3,1892)	1:264:B:GLU:HG2	1:260:B:THR:HG22	12	0.28
(3,1892)	1:264:B:GLU:HG2	1:260:B:THR:HG22	16	0.28
(3,1891)	1:264:A:GLU:HG2	1:260:A:THR:HG21	2	0.28
(3,1891)	1:264:A:GLU:HG2	1:260:A:THR:HG21	4	0.28
(3,1891)	1:264:A:GLU:HG2	1:260:A:THR:HG22	16	0.28
(3,1868)	1:225:B:VAL:HG21	1:224:B:GLU:HB3	13	0.28
(3,1867)	1:225:A:VAL:HG22	1:224:A:GLU:HB3	9	0.28
(3,1866)	1:249:B:VAL:HG23	1:253:B:ASP:H	11	0.28
(3,1865)	1:249:A:VAL:HG23	1:253:A:ASP:H	11	0.28
(3,1838)	1:228:B:LYS:HG3	1:228:B:LYS:H	16	0.28
(3,1684)	1:240:B:ARG:HG3	1:240:B:ARG:H	8	0.28
(3,1683)	1:240:A:ARG:HG3	1:240:A:ARG:H	8	0.28
(3,1570)	1:216:B:LEU:HD21	1:216:A:LEU:HB3	9	0.28
(3,1569)	1:216:A:LEU:HD21	1:216:B:LEU:HB3	9	0.28
(3,1447)	1:241:A:LEU:HD21	1:240:B:ARG:HD2	5	0.28
(3,1402)	1:257:B:THR:HG22	1:258:B:LEU:HD13	5	0.28
(3,1323)	1:266:A:GLN:HG3	1:262:A:LEU:HD13	12	0.28
(3,1268)	1:220:B:ILE:HD12	1:216:B:LEU:HB3	3	0.28
(3,1268)	1:220:B:ILE:HD12	1:216:B:LEU:HB3	17	0.28
(3,1267)	1:220:A:ILE:HD12	1:216:A:LEU:HB3	3	0.28
(3,1267)	1:220:A:ILE:HD13	1:216:A:LEU:HB3	4	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1267)	1:220:A:ILE:HD12	1:216:A:LEU:HB3	17	0.28
(3,1246)	1:220:B:ILE:HB	1:220:B:ILE:HG22	4	0.28
(3,1246)	1:220:B:ILE:HB	1:220:B:ILE:HG21	7	0.28
(3,1246)	1:220:B:ILE:HB	1:220:B:ILE:HG21	9	0.28
(3,1246)	1:220:B:ILE:HB	1:220:B:ILE:HG23	10	0.28
(3,1246)	1:220:B:ILE:HB	1:220:B:ILE:HG21	19	0.28
(3,1245)	1:220:A:ILE:HB	1:220:A:ILE:HG22	4	0.28
(3,1245)	1:220:A:ILE:HB	1:220:A:ILE:HG21	7	0.28
(3,1245)	1:220:A:ILE:HB	1:220:A:ILE:HG21	9	0.28
(3,1245)	1:220:A:ILE:HB	1:220:A:ILE:HG23	10	0.28
(3,1245)	1:220:A:ILE:HB	1:220:A:ILE:HG22	16	0.28
(3,1245)	1:220:A:ILE:HB	1:220:A:ILE:HG21	19	0.28
(3,1222)	1:244:B:ILE:HG23	1:247:B:ASP:HB3	14	0.28
(3,1221)	1:244:A:ILE:HG22	1:247:A:ASP:HB3	10	0.28
(3,940)	1:266:B:GLN:HG3	1:262:B:LEU:HG	9	0.28
(3,940)	1:266:B:GLN:HG3	1:262:B:LEU:HG	12	0.28
(3,939)	1:266:A:GLN:HG3	1:262:A:LEU:HG	12	0.28
(3,750)	1:226:B:GLU:HG3	1:226:B:GLU:HB3	2	0.28
(3,750)	1:226:B:GLU:HG3	1:226:B:GLU:HB3	3	0.28
(3,750)	1:226:B:GLU:HG3	1:226:B:GLU:HB3	7	0.28
(3,750)	1:226:B:GLU:HG3	1:226:B:GLU:HB3	8	0.28
(3,750)	1:226:B:GLU:HG3	1:226:B:GLU:HB3	10	0.28
(3,750)	1:226:B:GLU:HG3	1:226:B:GLU:HB3	15	0.28
(3,749)	1:226:A:GLU:HG3	1:226:A:GLU:HB3	2	0.28
(3,749)	1:226:A:GLU:HG3	1:226:A:GLU:HB3	3	0.28
(3,749)	1:226:A:GLU:HG3	1:226:A:GLU:HB3	8	0.28
(3,749)	1:226:A:GLU:HG3	1:226:A:GLU:HB3	10	0.28
(3,749)	1:226:A:GLU:HG3	1:226:A:GLU:HB3	15	0.28
(3,580)	1:245:B:THR:HG23	1:249:B:VAL:HG21	2	0.28
(3,580)	1:245:B:THR:HG22	1:249:B:VAL:HG21	5	0.28
(3,580)	1:245:B:THR:HG23	1:249:B:VAL:HG21	8	0.28
(3,580)	1:245:B:THR:HG22	1:249:B:VAL:HG21	10	0.28
(3,580)	1:245:B:THR:HG21	1:249:B:VAL:HG23	14	0.28
(3,579)	1:245:A:THR:HG23	1:249:A:VAL:HG21	2	0.28
(3,579)	1:245:A:THR:HG22	1:249:A:VAL:HG21	5	0.28
(3,579)	1:245:A:THR:HG21	1:249:A:VAL:HG21	7	0.28
(3,579)	1:245:A:THR:HG23	1:249:A:VAL:HG21	8	0.28
(3,324)	1:227:B:ALA:HB1	1:230:A:LEU:HD11	17	0.28
(3,323)	1:227:A:ALA:HB1	1:230:B:LEU:HD13	5	0.28
(3,323)	1:227:A:ALA:HB2	1:230:B:LEU:HD12	16	0.28
(3,321)	1:227:A:ALA:HB1	1:226:B:GLU:HG3	4	0.28
(3,321)	1:227:A:ALA:HB3	1:226:B:GLU:HG3	20	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,282)	1:222:B:SER:HB2	1:223:B:LEU:H	12	0.28
(3,281)	1:222:A:SER:HB2	1:223:A:LEU:H	9	0.28
(3,281)	1:222:A:SER:HB2	1:223:A:LEU:H	12	0.28
(3,281)	1:222:A:SER:HB2	1:223:A:LEU:H	14	0.28
(1,2220)	1:255:B:PHE:HA	1:258:B:LEU:HD23	18	0.28
(1,2219)	1:255:A:PHE:HA	1:258:A:LEU:HD23	18	0.28
(1,2218)	1:258:B:LEU:HD23	1:261:A:GLU:HB2	6	0.28
(1,1978)	1:219:B:LYS:HE2	1:216:B:LEU:HD23	11	0.28
(1,1801)	1:243:A:ARG:HD2	1:239:A:GLU:HB3	17	0.28
(1,1781)	1:240:A:ARG:HA	1:243:A:ARG:HB3	17	0.28
(1,1762)	1:259:B:ARG:HG2	1:258:A:LEU:HD21	7	0.28
(1,1426)	1:255:B:PHE:HB2	1:258:B:LEU:HD12	6	0.28
(1,1426)	1:255:B:PHE:HB2	1:258:B:LEU:HD12	10	0.28
(1,1426)	1:255:B:PHE:HB2	1:258:B:LEU:HD13	17	0.28
(1,1425)	1:255:A:PHE:HB2	1:258:A:LEU:HD12	6	0.28
(1,1425)	1:255:A:PHE:HB2	1:258:A:LEU:HD12	10	0.28
(1,1417)	1:258:A:LEU:HD21	1:255:B:PHE:HE1	6	0.28
(1,1368)	1:262:B:LEU:HB2	1:262:A:LEU:HD22	12	0.28
(1,1368)	1:262:B:LEU:HB2	1:262:A:LEU:HD22	17	0.28
(1,1360)	1:262:B:LEU:HD21	1:262:A:LEU:HB2	2	0.28
(1,1359)	1:262:A:LEU:HD23	1:262:B:LEU:HB2	15	0.28
(1,1359)	1:262:A:LEU:HD23	1:262:B:LEU:HB2	20	0.28
(1,1336)	1:269:B:LEU:HD12	1:268:A:LYS:HB2	15	0.28
(1,1329)	1:214:A:GLU:HG2	1:210:A:LEU:HD12	20	0.28
(1,1313)	1:269:A:LEU:HG	1:271:A:ARG:HE	15	0.28
(1,1170)	1:225:B:VAL:HG21	1:228:B:LYS:HB2	12	0.28
(1,1170)	1:225:B:VAL:HG22	1:228:B:LYS:HB2	17	0.28
(1,1169)	1:225:A:VAL:HG21	1:228:A:LYS:HB2	12	0.28
(1,1165)	1:225:A:VAL:HG21	1:222:A:SER:HB2	3	0.28
(1,1124)	1:237:B:VAL:HG12	1:235:B:GLU:HB2	11	0.28
(1,948)	1:273:B:GLN:HA	1:269:B:LEU:HD22	13	0.28
(1,542)	1:251:B:MET:HE1	1:248:B:PHE:HB2	19	0.28
(1,541)	1:251:A:MET:HE1	1:248:A:PHE:HB2	19	0.28
(1,527)	1:251:A:MET:HE2	1:248:B:PHE:HE1	4	0.28
(1,324)	1:227:B:ALA:HB3	1:227:B:ALA:H	12	0.28
(3,2102)	1:213:B:ASN:HB3	1:213:B:ASN:H	14	0.27
(3,2101)	1:213:A:ASN:HB3	1:213:A:ASN:H	14	0.27
(3,2000)	1:263:B:SER:H	1:265:B:ALA:HB3	12	0.27
(3,2000)	1:263:B:SER:H	1:265:B:ALA:HB2	20	0.27
(3,1999)	1:263:A:SER:H	1:265:A:ALA:HB1	2	0.27
(3,1999)	1:263:A:SER:H	1:265:A:ALA:HB3	8	0.27
(3,1999)	1:263:A:SER:H	1:265:A:ALA:HB3	12	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1999)	1:263:A:SER:H	1:265:A:ALA:HB2	20	0.27
(3,1964)	1:249:B:VAL:HG23	1:252:B:LYS:HB3	7	0.27
(3,1964)	1:249:B:VAL:HG23	1:252:B:LYS:HB3	15	0.27
(3,1963)	1:249:A:VAL:HG23	1:252:A:LYS:HB3	7	0.27
(3,1963)	1:249:A:VAL:HG23	1:252:A:LYS:HB3	15	0.27
(3,1963)	1:249:A:VAL:HG21	1:252:A:LYS:HB3	18	0.27
(3,1946)	1:255:B:PHE:HA	1:258:B:LEU:HD12	11	0.27
(3,1946)	1:255:B:PHE:HA	1:258:B:LEU:HD12	16	0.27
(3,1946)	1:255:B:PHE:HA	1:258:B:LEU:HD12	20	0.27
(3,1945)	1:255:A:PHE:HA	1:258:A:LEU:HD12	11	0.27
(3,1945)	1:255:A:PHE:HA	1:258:A:LEU:HD12	16	0.27
(3,1945)	1:255:A:PHE:HA	1:258:A:LEU:HD12	20	0.27
(3,1916)	1:216:B:LEU:HD22	1:217:A:GLN:HE22	13	0.27
(3,1915)	1:216:A:LEU:HD22	1:217:B:GLN:HE22	13	0.27
(3,1891)	1:264:A:GLU:HG2	1:260:A:THR:HG22	12	0.27
(3,1891)	1:264:A:GLU:HG2	1:260:A:THR:HG23	14	0.27
(3,1891)	1:264:A:GLU:HG2	1:260:A:THR:HG22	15	0.27
(3,1402)	1:257:B:THR:HG21	1:258:B:LEU:HD13	4	0.27
(3,1401)	1:257:A:THR:HG21	1:258:A:LEU:HD13	4	0.27
(3,1401)	1:257:A:THR:HG23	1:258:A:LEU:HD13	6	0.27
(3,1324)	1:266:B:GLN:HG3	1:262:B:LEU:HD13	20	0.27
(3,1323)	1:266:A:GLN:HG3	1:262:A:LEU:HD13	20	0.27
(3,1268)	1:220:B:ILE:HD12	1:216:B:LEU:HB3	1	0.27
(3,1268)	1:220:B:ILE:HD12	1:216:B:LEU:HB3	2	0.27
(3,1268)	1:220:B:ILE:HD13	1:216:B:LEU:HB3	4	0.27
(3,1268)	1:220:B:ILE:HD11	1:216:B:LEU:HB3	5	0.27
(3,1268)	1:220:B:ILE:HD11	1:216:B:LEU:HB3	7	0.27
(3,1267)	1:220:A:ILE:HD12	1:216:A:LEU:HB3	1	0.27
(3,1267)	1:220:A:ILE:HD12	1:216:A:LEU:HB3	2	0.27
(3,1267)	1:220:A:ILE:HD11	1:216:A:LEU:HB3	7	0.27
(3,1246)	1:220:B:ILE:HB	1:220:B:ILE:HG22	13	0.27
(3,1245)	1:220:A:ILE:HB	1:220:A:ILE:HG22	13	0.27
(3,1221)	1:244:A:ILE:HG23	1:247:A:ASP:HB3	14	0.27
(3,939)	1:266:A:GLN:HG3	1:262:A:LEU:HG	9	0.27
(3,749)	1:226:A:GLU:HG3	1:226:A:GLU:HB3	7	0.27
(3,580)	1:245:B:THR:HG22	1:249:B:VAL:HG23	6	0.27
(3,580)	1:245:B:THR:HG21	1:249:B:VAL:HG21	7	0.27
(3,580)	1:245:B:THR:HG22	1:249:B:VAL:HG21	11	0.27
(3,580)	1:245:B:THR:HG22	1:249:B:VAL:HG21	12	0.27
(3,580)	1:245:B:THR:HG23	1:249:B:VAL:HG23	17	0.27
(3,579)	1:245:A:THR:HG22	1:249:A:VAL:HG23	6	0.27
(3,579)	1:245:A:THR:HG22	1:249:A:VAL:HG21	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,579)	1:245:A:THR:HG22	1:249:A:VAL:HG21	11	0.27
(3,579)	1:245:A:THR:HG21	1:249:A:VAL:HG23	14	0.27
(3,579)	1:245:A:THR:HG23	1:249:A:VAL:HG23	17	0.27
(3,560)	1:257:B:THR:HG23	1:261:B:GLU:HG2	2	0.27
(3,535)	1:251:A:MET:HB2	1:251:A:MET:HE3	10	0.27
(3,324)	1:227:B:ALA:HB1	1:230:A:LEU:HD13	5	0.27
(3,324)	1:227:B:ALA:HB3	1:230:A:LEU:HD11	7	0.27
(3,324)	1:227:B:ALA:HB2	1:230:A:LEU:HD12	16	0.27
(3,323)	1:227:A:ALA:HB2	1:230:B:LEU:HD12	1	0.27
(3,323)	1:227:A:ALA:HB1	1:230:B:LEU:HD13	9	0.27
(3,322)	1:227:B:ALA:HB1	1:226:A:GLU:HG3	4	0.27
(3,322)	1:227:B:ALA:HB2	1:226:A:GLU:HG3	13	0.27
(3,322)	1:227:B:ALA:HB3	1:226:A:GLU:HG3	20	0.27
(3,321)	1:227:A:ALA:HB2	1:226:B:GLU:HG3	13	0.27
(3,321)	1:227:A:ALA:HB2	1:226:B:GLU:HG3	19	0.27
(3,282)	1:222:B:SER:HB2	1:223:B:LEU:H	4	0.27
(3,282)	1:222:B:SER:HB2	1:223:B:LEU:H	6	0.27
(3,282)	1:222:B:SER:HB2	1:223:B:LEU:H	9	0.27
(3,281)	1:222:A:SER:HB2	1:223:A:LEU:H	6	0.27
(3,45)	1:236:A:TYR:HE2	1:240:A:ARG:HD3	11	0.27
(3,22)	1:244:B:ILE:HD13	1:244:A:ILE:HG21	10	0.27
(3,22)	1:244:B:ILE:HD13	1:244:A:ILE:HG22	20	0.27
(3,21)	1:244:A:ILE:HD13	1:244:B:ILE:HG21	13	0.27
(1,2294)	1:210:B:LEU:HD12	1:211:B:ALA:H	6	0.27
(1,2293)	1:210:A:LEU:HD12	1:211:A:ALA:H	6	0.27
(1,2290)	1:208:B:ARG:HA	1:211:B:ALA:H	10	0.27
(1,2290)	1:208:B:ARG:HA	1:211:B:ALA:H	15	0.27
(1,2290)	1:208:B:ARG:HA	1:211:B:ALA:H	16	0.27
(1,2289)	1:208:A:ARG:HA	1:211:A:ALA:H	10	0.27
(1,2289)	1:208:A:ARG:HA	1:211:A:ALA:H	15	0.27
(1,2289)	1:208:A:ARG:HA	1:211:A:ALA:H	16	0.27
(1,2218)	1:258:B:LEU:HD21	1:261:A:GLU:HB2	1	0.27
(1,2040)	1:250:B:LYS:HE3	1:250:B:LYS:HB2	7	0.27
(1,2040)	1:250:B:LYS:HE2	1:250:B:LYS:HB2	8	0.27
(1,2039)	1:250:A:LYS:HE3	1:250:A:LYS:HB2	7	0.27
(1,2039)	1:250:A:LYS:HE2	1:250:A:LYS:HB2	8	0.27
(1,1978)	1:219:B:LYS:HE2	1:216:B:LEU:HD22	2	0.27
(1,1977)	1:219:A:LYS:HE2	1:216:A:LEU:HD22	2	0.27
(1,1977)	1:219:A:LYS:HE2	1:216:A:LEU:HD23	11	0.27
(1,1960)	1:256:B:GLU:HG3	1:252:B:LYS:HE3	5	0.27
(1,1959)	1:256:A:GLU:HG3	1:252:A:LYS:HE3	5	0.27
(1,1833)	1:240:A:ARG:HD2	1:241:B:LEU:HD23	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1802)	1:243:B:ARG:HD2	1:239:B:GLU:HB3	17	0.27
(1,1801)	1:243:A:ARG:HD3	1:239:A:GLU:HB3	1	0.27
(1,1792)	1:244:B:ILE:HG23	1:243:B:ARG:HB2	14	0.27
(1,1791)	1:244:A:ILE:HG23	1:243:A:ARG:HB2	14	0.27
(1,1782)	1:240:B:ARG:HA	1:243:B:ARG:HB3	17	0.27
(1,1650)	1:267:B:GLN:HB3	1:271:B:ARG:HG3	10	0.27
(1,1649)	1:267:A:GLN:HB3	1:271:A:ARG:HG3	10	0.27
(1,1580)	1:216:B:LEU:HD22	1:213:A:ASN:HB3	19	0.27
(1,1426)	1:255:B:PHE:HB2	1:258:B:LEU:HD11	12	0.27
(1,1425)	1:255:A:PHE:HB2	1:258:A:LEU:HD11	12	0.27
(1,1421)	1:258:A:LEU:HD23	1:255:B:PHE:HB2	19	0.27
(1,1418)	1:258:B:LEU:HD21	1:255:A:PHE:HE1	6	0.27
(1,1368)	1:262:B:LEU:HB2	1:262:A:LEU:HD23	13	0.27
(1,1368)	1:262:B:LEU:HB2	1:262:A:LEU:HD21	18	0.27
(1,1367)	1:262:A:LEU:HB2	1:262:B:LEU:HD22	12	0.27
(1,1367)	1:262:A:LEU:HB2	1:262:B:LEU:HD23	13	0.27
(1,1360)	1:262:B:LEU:HD23	1:262:A:LEU:HB2	3	0.27
(1,1360)	1:262:B:LEU:HD23	1:262:A:LEU:HB2	15	0.27
(1,1359)	1:262:A:LEU:HD21	1:262:B:LEU:HB2	7	0.27
(1,1241)	1:220:A:ILE:HG22	1:219:B:LYS:HE3	7	0.27
(1,1234)	1:220:B:ILE:HD12	1:220:B:ILE:HG13	1	0.27
(1,1234)	1:220:B:ILE:HD13	1:220:B:ILE:HG13	9	0.27
(1,1234)	1:220:B:ILE:HD13	1:220:B:ILE:HG13	19	0.27
(1,1233)	1:220:A:ILE:HD12	1:220:A:ILE:HG13	1	0.27
(1,1233)	1:220:A:ILE:HD13	1:220:A:ILE:HG13	9	0.27
(1,1233)	1:220:A:ILE:HD13	1:220:A:ILE:HG13	19	0.27
(1,1166)	1:225:B:VAL:HG21	1:222:B:SER:HB2	3	0.27
(1,1166)	1:225:B:VAL:HG23	1:222:B:SER:HB2	6	0.27
(1,1166)	1:225:B:VAL:HG23	1:222:B:SER:HB3	11	0.27
(1,1165)	1:225:A:VAL:HG23	1:222:A:SER:HB2	6	0.27
(1,1165)	1:225:A:VAL:HG23	1:222:A:SER:HB3	11	0.27
(1,1165)	1:225:A:VAL:HG23	1:222:A:SER:HB2	19	0.27
(1,968)	1:217:B:GLN:HG2	1:213:A:ASN:HA	14	0.27
(1,967)	1:217:A:GLN:HG2	1:213:B:ASN:HA	14	0.27
(1,966)	1:217:B:GLN:HG3	1:220:B:ILE:HA	9	0.27
(1,965)	1:217:A:GLN:HG3	1:220:A:ILE:HA	9	0.27
(1,960)	1:217:B:GLN:HG2	1:213:A:ASN:HD21	14	0.27
(1,959)	1:217:A:GLN:HG2	1:213:B:ASN:HD21	14	0.27
(1,952)	1:217:B:GLN:HG3	1:217:B:GLN:H	4	0.27
(1,951)	1:217:A:GLN:HG3	1:217:A:GLN:H	4	0.27
(1,767)	1:256:A:GLU:HG2	1:252:A:LYS:HG3	13	0.27
(1,668)	1:264:B:GLU:HG3	1:268:B:LYS:HE2	15	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,572)	1:257:B:THR:HG23	1:266:A:GLN:HE22	20	0.27
(1,530)	1:251:B:MET:HE1	1:248:B:PHE:H	14	0.27
(1,529)	1:251:A:MET:HE1	1:248:A:PHE:H	14	0.27
(1,370)	1:221:B:ASN:HB3	1:217:B:GLN:HG2	13	0.27
(1,369)	1:221:A:ASN:HB3	1:217:A:GLN:HG2	13	0.27
(1,324)	1:227:B:ALA:HB2	1:227:B:ALA:H	20	0.27
(1,323)	1:227:A:ALA:HB1	1:227:A:ALA:H	6	0.27
(1,323)	1:227:A:ALA:HB2	1:227:A:ALA:H	20	0.27
(1,110)	1:255:B:PHE:HZ	1:258:A:LEU:HD21	17	0.27
(3,2506)	1:244:B:ILE:HG12	1:244:B:ILE:H	8	0.26
(3,2506)	1:244:B:ILE:HG12	1:244:B:ILE:H	10	0.26
(3,2506)	1:244:B:ILE:HG12	1:244:B:ILE:H	20	0.26
(3,2505)	1:244:A:ILE:HG12	1:244:A:ILE:H	8	0.26
(3,2505)	1:244:A:ILE:HG12	1:244:A:ILE:H	10	0.26
(3,2000)	1:263:B:SER:H	1:265:B:ALA:HB1	2	0.26
(3,2000)	1:263:B:SER:H	1:265:B:ALA:HB1	6	0.26
(3,2000)	1:263:B:SER:H	1:265:B:ALA:HB3	8	0.26
(3,2000)	1:263:B:SER:H	1:265:B:ALA:HB2	9	0.26
(3,1999)	1:263:A:SER:H	1:265:A:ALA:HB1	6	0.26
(3,1999)	1:263:A:SER:H	1:265:A:ALA:HB2	9	0.26
(3,1964)	1:249:B:VAL:HG21	1:252:B:LYS:HB3	18	0.26
(3,1963)	1:249:A:VAL:HG23	1:252:A:LYS:HB3	2	0.26
(3,1946)	1:255:B:PHE:HA	1:258:B:LEU:HD11	12	0.26
(3,1946)	1:255:B:PHE:HA	1:258:B:LEU:HD12	18	0.26
(3,1945)	1:255:A:PHE:HA	1:258:A:LEU:HD11	12	0.26
(3,1945)	1:255:A:PHE:HA	1:258:A:LEU:HD12	18	0.26
(3,1944)	1:258:B:LEU:HD12	1:261:B:GLU:HB3	2	0.26
(3,1892)	1:264:B:GLU:HG2	1:260:B:THR:HG23	14	0.26
(3,1448)	1:241:B:LEU:HD21	1:240:A:ARG:HD2	5	0.26
(3,1448)	1:241:B:LEU:HD21	1:240:A:ARG:HD2	10	0.26
(3,1402)	1:257:B:THR:HG23	1:258:B:LEU:HD12	2	0.26
(3,1402)	1:257:B:THR:HG23	1:258:B:LEU:HD13	6	0.26
(3,1402)	1:257:B:THR:HG23	1:258:B:LEU:HD11	9	0.26
(3,1401)	1:257:A:THR:HG23	1:258:A:LEU:HD12	2	0.26
(3,1401)	1:257:A:THR:HG23	1:258:A:LEU:HD11	9	0.26
(3,1329)	1:258:A:LEU:HD11	1:259:B:ARG:HA	4	0.26
(3,1329)	1:258:A:LEU:HD12	1:259:B:ARG:HA	13	0.26
(3,1329)	1:258:A:LEU:HD11	1:259:B:ARG:HA	16	0.26
(3,1268)	1:220:B:ILE:HD12	1:216:B:LEU:HB3	6	0.26
(3,1268)	1:220:B:ILE:HD12	1:216:B:LEU:HB3	15	0.26
(3,1267)	1:220:A:ILE:HD11	1:216:A:LEU:HB3	5	0.26
(3,1267)	1:220:A:ILE:HD12	1:216:A:LEU:HB3	15	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1108)	1:210:B:LEU:HD21	1:207:B:ASP:HB2	7	0.26
(3,1107)	1:210:A:LEU:HD21	1:207:A:ASP:HB2	7	0.26
(3,580)	1:245:B:THR:HG23	1:249:B:VAL:HG21	13	0.26
(3,580)	1:245:B:THR:HG21	1:249:B:VAL:HG23	19	0.26
(3,579)	1:245:A:THR:HG23	1:249:A:VAL:HG23	9	0.26
(3,579)	1:245:A:THR:HG22	1:249:A:VAL:HG21	12	0.26
(3,579)	1:245:A:THR:HG23	1:249:A:VAL:HG21	13	0.26
(3,579)	1:245:A:THR:HG23	1:249:A:VAL:HG21	15	0.26
(3,579)	1:245:A:THR:HG21	1:249:A:VAL:HG23	19	0.26
(3,536)	1:251:B:MET:HB2	1:251:B:MET:HE3	10	0.26
(3,324)	1:227:B:ALA:HB2	1:230:A:LEU:HD12	1	0.26
(3,324)	1:227:B:ALA:HB3	1:230:A:LEU:HD12	2	0.26
(3,324)	1:227:B:ALA:HB1	1:230:A:LEU:HD11	3	0.26
(3,324)	1:227:B:ALA:HB2	1:230:A:LEU:HD13	8	0.26
(3,324)	1:227:B:ALA:HB1	1:230:A:LEU:HD13	9	0.26
(3,324)	1:227:B:ALA:HB2	1:230:A:LEU:HD13	11	0.26
(3,323)	1:227:A:ALA:HB2	1:230:B:LEU:HD13	8	0.26
(3,323)	1:227:A:ALA:HB2	1:230:B:LEU:HD12	10	0.26
(3,323)	1:227:A:ALA:HB1	1:230:B:LEU:HD11	17	0.26
(3,323)	1:227:A:ALA:HB1	1:230:B:LEU:HD12	18	0.26
(3,322)	1:227:B:ALA:HB2	1:226:A:GLU:HG3	19	0.26
(3,281)	1:222:A:SER:HB2	1:223:A:LEU:H	4	0.26
(3,186)	1:262:B:LEU:HD12	1:254:A:ASN:HD21	5	0.26
(3,185)	1:262:A:LEU:HD12	1:254:B:ASN:HD21	5	0.26
(3,22)	1:244:B:ILE:HD12	1:244:A:ILE:HG22	1	0.26
(3,21)	1:244:A:ILE:HD12	1:244:B:ILE:HG22	1	0.26
(1,2294)	1:210:B:LEU:HD12	1:211:B:ALA:H	17	0.26
(1,2293)	1:210:A:LEU:HD12	1:211:A:ALA:H	17	0.26
(1,2218)	1:258:B:LEU:HD22	1:261:A:GLU:HB2	18	0.26
(1,2217)	1:258:A:LEU:HD21	1:261:B:GLU:HB2	1	0.26
(1,2217)	1:258:A:LEU:HD23	1:261:B:GLU:HB2	6	0.26
(1,2217)	1:258:A:LEU:HD22	1:261:B:GLU:HB2	18	0.26
(1,2190)	1:256:B:GLU:HG2	1:258:B:LEU:HD11	2	0.26
(1,2189)	1:256:A:GLU:HG2	1:258:A:LEU:HD11	2	0.26
(1,1960)	1:256:B:GLU:HG2	1:252:B:LYS:HE3	2	0.26
(1,1908)	1:228:B:LYS:HE2	1:228:B:LYS:HD3	2	0.26
(1,1908)	1:268:B:LYS:HE2	1:268:B:LYS:HD2	4	0.26
(1,1908)	1:268:B:LYS:HE3	1:268:B:LYS:HD2	14	0.26
(1,1833)	1:240:A:ARG:HD2	1:241:B:LEU:HD23	4	0.26
(1,1802)	1:243:B:ARG:HD3	1:239:B:GLU:HB3	1	0.26
(1,1792)	1:244:B:ILE:HG21	1:243:B:ARG:HB2	4	0.26
(1,1579)	1:216:A:LEU:HD22	1:213:B:ASN:HB3	19	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1570)	1:216:B:LEU:HD23	1:217:A:GLN:H	7	0.26
(1,1530)	1:223:B:LEU:HD22	1:227:B:ALA:H	3	0.26
(1,1529)	1:223:A:LEU:HD22	1:227:A:ALA:H	3	0.26
(1,1426)	1:255:B:PHE:HB2	1:258:B:LEU:HD12	18	0.26
(1,1425)	1:255:A:PHE:HB2	1:258:A:LEU:HD12	18	0.26
(1,1367)	1:262:A:LEU:HB2	1:262:B:LEU:HD21	10	0.26
(1,1367)	1:262:A:LEU:HB2	1:262:B:LEU:HD21	14	0.26
(1,1367)	1:262:A:LEU:HB2	1:262:B:LEU:HD21	18	0.26
(1,1359)	1:262:A:LEU:HD21	1:262:B:LEU:HB2	6	0.26
(1,1356)	1:269:B:LEU:HD11	1:268:A:LYS:HE3	14	0.26
(1,1333)	1:269:A:LEU:HD22	1:268:B:LYS:HD2	20	0.26
(1,1292)	1:269:B:LEU:HD13	1:270:B:ARG:H	20	0.26
(1,1291)	1:269:A:LEU:HD13	1:270:A:ARG:H	20	0.26
(1,1234)	1:220:B:ILE:HD13	1:220:B:ILE:HG13	4	0.26
(1,1234)	1:220:B:ILE:HD12	1:220:B:ILE:HG13	16	0.26
(1,1233)	1:220:A:ILE:HD13	1:220:A:ILE:HG13	4	0.26
(1,1233)	1:220:A:ILE:HD12	1:220:A:ILE:HG13	16	0.26
(1,1169)	1:225:A:VAL:HG22	1:228:A:LYS:HB2	17	0.26
(1,1166)	1:225:B:VAL:HG22	1:222:B:SER:HB3	5	0.26
(1,1166)	1:225:B:VAL:HG23	1:222:B:SER:HB2	19	0.26
(1,1165)	1:225:A:VAL:HG22	1:222:A:SER:HB2	4	0.26
(1,1165)	1:225:A:VAL:HG22	1:222:A:SER:HB3	5	0.26
(1,1151)	1:237:A:VAL:HG11	1:233:B:PHE:HZ	20	0.26
(1,1124)	1:237:B:VAL:HG13	1:235:B:GLU:HB2	8	0.26
(1,1123)	1:237:A:VAL:HG13	1:235:A:GLU:HB2	8	0.26
(1,858)	1:224:B:GLU:HG3	1:220:B:ILE:HG23	17	0.26
(1,857)	1:224:A:GLU:HG3	1:220:A:ILE:HG23	17	0.26
(1,768)	1:256:B:GLU:HG2	1:252:B:LYS:HG3	13	0.26
(1,667)	1:264:A:GLU:HG3	1:268:A:LYS:HE2	15	0.26
(1,572)	1:257:B:THR:HG21	1:266:A:GLN:HE22	1	0.26
(1,571)	1:257:A:THR:HG21	1:266:B:GLN:HE22	1	0.26
(1,524)	1:251:B:MET:HE1	1:248:B:PHE:HA	16	0.26
(1,523)	1:251:A:MET:HE1	1:248:A:PHE:HA	16	0.26
(1,324)	1:227:B:ALA:HB3	1:227:B:ALA:H	5	0.26
(1,324)	1:227:B:ALA:HB1	1:227:B:ALA:H	6	0.26
(1,324)	1:227:B:ALA:HB3	1:227:B:ALA:H	9	0.26
(1,324)	1:227:B:ALA:HB1	1:227:B:ALA:H	14	0.26
(1,323)	1:227:A:ALA:HB3	1:227:A:ALA:H	5	0.26
(1,323)	1:227:A:ALA:HB1	1:227:A:ALA:H	14	0.26
(1,323)	1:227:A:ALA:HB1	1:227:B:ALA:H	19	0.26
(1,202)	1:255:B:PHE:HZ	1:251:A:MET:HE1	9	0.26
(1,199)	1:255:A:PHE:HZ	1:259:A:ARG:HD3	14	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,109)	1:255:A:PHE:HZ	1:258:B:LEU:HD21	17	0.26
(3,2506)	1:244:B:ILE:HG12	1:244:B:ILE:H	5	0.25
(3,2506)	1:244:B:ILE:HG12	1:244:B:ILE:H	12	0.25
(3,2506)	1:244:B:ILE:HG12	1:244:B:ILE:H	13	0.25
(3,2505)	1:244:A:ILE:HG12	1:244:A:ILE:H	5	0.25
(3,2505)	1:244:A:ILE:HG12	1:244:A:ILE:H	12	0.25
(3,2505)	1:244:A:ILE:HG12	1:244:A:ILE:H	13	0.25
(3,2505)	1:244:A:ILE:HG12	1:244:A:ILE:H	20	0.25
(3,2456)	1:217:B:GLN:HB3	1:217:B:GLN:H	10	0.25
(3,2456)	1:217:B:GLN:HB3	1:217:B:GLN:H	16	0.25
(3,2455)	1:217:A:GLN:HB3	1:217:A:GLN:H	10	0.25
(3,2455)	1:217:A:GLN:HB3	1:217:A:GLN:H	16	0.25
(3,2000)	1:263:B:SER:H	1:265:B:ALA:HB1	5	0.25
(3,2000)	1:263:B:SER:H	1:265:B:ALA:HB2	10	0.25
(3,2000)	1:263:B:SER:H	1:265:B:ALA:HB3	13	0.25
(3,2000)	1:263:B:SER:H	1:265:B:ALA:HB3	17	0.25
(3,1999)	1:263:A:SER:H	1:265:A:ALA:HB1	5	0.25
(3,1999)	1:263:A:SER:H	1:265:A:ALA:HB2	10	0.25
(3,1999)	1:263:A:SER:H	1:265:A:ALA:HB3	17	0.25
(3,1996)	1:262:B:LEU:HB2	1:263:B:SER:H	7	0.25
(3,1996)	1:262:B:LEU:HB2	1:263:B:SER:H	20	0.25
(3,1995)	1:262:A:LEU:HB2	1:263:A:SER:H	1	0.25
(3,1995)	1:262:A:LEU:HB2	1:263:A:SER:H	7	0.25
(3,1945)	1:255:A:PHE:HA	1:258:A:LEU:HD12	4	0.25
(3,1944)	1:258:B:LEU:HD11	1:261:B:GLU:HB3	14	0.25
(3,1943)	1:258:A:LEU:HD12	1:261:A:GLU:HB3	2	0.25
(3,1943)	1:258:A:LEU:HD11	1:261:A:GLU:HB3	14	0.25
(3,1914)	1:244:B:ILE:HD11	1:248:A:PHE:HE1	16	0.25
(3,1892)	1:264:B:GLU:HG2	1:260:B:THR:HG21	17	0.25
(3,1891)	1:264:A:GLU:HG2	1:260:A:THR:HG21	17	0.25
(3,1868)	1:225:B:VAL:HG22	1:224:B:GLU:HB3	5	0.25
(3,1444)	1:241:B:LEU:HD21	1:240:A:ARG:HG2	20	0.25
(3,1401)	1:257:A:THR:HG21	1:258:A:LEU:HD13	16	0.25
(3,1400)	1:258:B:LEU:HB2	1:258:B:LEU:HD12	19	0.25
(3,1392)	1:258:B:LEU:HD11	1:261:B:GLU:HG2	1	0.25
(3,1391)	1:258:A:LEU:HD11	1:261:A:GLU:HG2	1	0.25
(3,1330)	1:258:B:LEU:HD12	1:259:A:ARG:HA	13	0.25
(3,1272)	1:217:B:GLN:HA	1:220:B:ILE:HG21	17	0.25
(3,1268)	1:220:B:ILE:HD11	1:216:B:LEU:HB3	8	0.25
(3,1268)	1:220:B:ILE:HD13	1:216:B:LEU:HB3	9	0.25
(3,1268)	1:220:B:ILE:HD13	1:216:B:LEU:HB3	11	0.25
(3,1267)	1:220:A:ILE:HD12	1:216:A:LEU:HB3	6	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1267)	1:220:A:ILE:HD11	1:216:A:LEU:HB3	8	0.25
(3,1267)	1:220:A:ILE:HD13	1:216:A:LEU:HB3	9	0.25
(3,1267)	1:220:A:ILE:HD13	1:216:A:LEU:HB3	11	0.25
(3,1267)	1:220:A:ILE:HD12	1:216:A:LEU:HB3	16	0.25
(3,1266)	1:220:B:ILE:HG23	1:223:B:LEU:HB3	9	0.25
(3,1265)	1:220:A:ILE:HG23	1:223:A:LEU:HB3	9	0.25
(3,1191)	1:247:A:ASP:HB3	1:244:A:ILE:HA	9	0.25
(3,1006)	1:215:B:SER:HA	1:218:B:GLN:HB3	4	0.25
(3,1005)	1:215:A:SER:HA	1:218:A:GLN:HB3	4	0.25
(3,954)	1:266:B:GLN:HA	1:266:B:GLN:HG3	1	0.25
(3,953)	1:266:A:GLN:HA	1:266:A:GLN:HG3	1	0.25
(3,940)	1:266:B:GLN:HG3	1:262:B:LEU:HG	8	0.25
(3,940)	1:266:B:GLN:HG3	1:262:B:LEU:HG	14	0.25
(3,939)	1:266:A:GLN:HG3	1:262:A:LEU:HG	8	0.25
(3,939)	1:266:A:GLN:HG3	1:262:A:LEU:HG	14	0.25
(3,580)	1:245:B:THR:HG22	1:249:B:VAL:HG23	1	0.25
(3,580)	1:245:B:THR:HG23	1:249:B:VAL:HG21	4	0.25
(3,580)	1:245:B:THR:HG23	1:249:B:VAL:HG23	9	0.25
(3,580)	1:245:B:THR:HG23	1:249:B:VAL:HG21	15	0.25
(3,580)	1:245:B:THR:HG22	1:249:B:VAL:HG22	16	0.25
(3,579)	1:245:A:THR:HG22	1:249:A:VAL:HG23	1	0.25
(3,579)	1:245:A:THR:HG23	1:249:A:VAL:HG21	4	0.25
(3,579)	1:245:A:THR:HG22	1:249:A:VAL:HG22	16	0.25
(3,579)	1:245:A:THR:HG23	1:249:A:VAL:HG23	20	0.25
(3,324)	1:227:B:ALA:HB1	1:230:A:LEU:HD12	12	0.25
(3,324)	1:227:B:ALA:HB2	1:230:A:LEU:HD12	14	0.25
(3,323)	1:227:A:ALA:HB3	1:230:B:LEU:HD12	2	0.25
(3,323)	1:227:A:ALA:HB2	1:230:B:LEU:HD13	11	0.25
(3,323)	1:227:A:ALA:HB1	1:230:B:LEU:HD12	12	0.25
(3,322)	1:227:B:ALA:HB2	1:226:A:GLU:HG3	14	0.25
(3,321)	1:227:A:ALA:HB2	1:226:B:GLU:HG3	14	0.25
(3,179)	1:255:A:PHE:HE2	1:258:B:LEU:HD21	16	0.25
(3,46)	1:236:B:TYR:HE2	1:240:B:ARG:HD3	11	0.25
(3,22)	1:244:B:ILE:HD13	1:244:A:ILE:HG21	13	0.25
(3,21)	1:244:A:ILE:HD13	1:244:B:ILE:HG21	10	0.25
(3,21)	1:244:A:ILE:HD13	1:244:B:ILE:HG22	20	0.25
(1,2190)	1:256:B:GLU:HG2	1:258:A:LEU:HD21	10	0.25
(1,2040)	1:250:B:LYS:HE2	1:250:B:LYS:HB2	10	0.25
(1,1978)	1:219:B:LYS:HE2	1:216:B:LEU:HD23	9	0.25
(1,1978)	1:219:B:LYS:HE2	1:216:B:LEU:HD21	15	0.25
(1,1978)	1:219:B:LYS:HE2	1:216:B:LEU:HD23	16	0.25
(1,1978)	1:219:B:LYS:HE2	1:216:B:LEU:HD21	20	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1977)	1:219:A:LYS:HE2	1:216:A:LEU:HD23	9	0.25
(1,1977)	1:219:A:LYS:HE2	1:216:A:LEU:HD21	15	0.25
(1,1977)	1:219:A:LYS:HE2	1:216:A:LEU:HD23	16	0.25
(1,1977)	1:219:A:LYS:HE2	1:216:A:LEU:HD21	20	0.25
(1,1959)	1:256:A:GLU:HG2	1:252:A:LYS:HE3	2	0.25
(1,1908)	1:268:B:LYS:HE2	1:268:B:LYS:HD3	1	0.25
(1,1908)	1:228:B:LYS:HE3	1:228:B:LYS:HD2	3	0.25
(1,1908)	1:268:B:LYS:HE3	1:268:B:LYS:HD2	16	0.25
(1,1908)	1:228:B:LYS:HE3	1:228:B:LYS:HD2	20	0.25
(1,1907)	1:268:A:LYS:HE2	1:268:A:LYS:HD3	1	0.25
(1,1907)	1:228:A:LYS:HE2	1:228:A:LYS:HD3	2	0.25
(1,1907)	1:228:A:LYS:HE3	1:228:A:LYS:HD2	3	0.25
(1,1907)	1:268:A:LYS:HE2	1:268:A:LYS:HD2	4	0.25
(1,1907)	1:268:A:LYS:HE3	1:268:A:LYS:HD2	14	0.25
(1,1907)	1:268:A:LYS:HE3	1:268:A:LYS:HD2	16	0.25
(1,1907)	1:228:A:LYS:HE2	1:228:A:LYS:HD3	17	0.25
(1,1907)	1:228:A:LYS:HE3	1:228:A:LYS:HD2	20	0.25
(1,1834)	1:244:B:ILE:HD13	1:240:B:ARG:HD2	8	0.25
(1,1834)	1:240:B:ARG:HD2	1:241:A:LEU:HD23	14	0.25
(1,1834)	1:244:B:ILE:HD12	1:240:B:ARG:HD2	19	0.25
(1,1833)	1:244:A:ILE:HD13	1:240:A:ARG:HD2	8	0.25
(1,1831)	1:240:A:ARG:HD2	1:241:B:LEU:HD12	1	0.25
(1,1791)	1:244:A:ILE:HG21	1:243:A:ARG:HB2	4	0.25
(1,1681)	1:270:A:ARG:HD3	1:266:A:GLN:HB3	5	0.25
(1,1650)	1:267:B:GLN:HB3	1:271:B:ARG:HG3	20	0.25
(1,1649)	1:267:A:GLN:HB3	1:271:A:ARG:HG3	20	0.25
(1,1578)	1:216:B:LEU:HD22	1:213:A:ASN:HA	8	0.25
(1,1577)	1:216:A:LEU:HD22	1:213:B:ASN:HA	8	0.25
(1,1426)	1:255:B:PHE:HB2	1:258:B:LEU:HD12	4	0.25
(1,1425)	1:255:A:PHE:HB2	1:258:A:LEU:HD12	4	0.25
(1,1415)	1:258:A:LEU:HD11	1:261:A:GLU:H	1	0.25
(1,1368)	1:262:B:LEU:HB2	1:262:A:LEU:HD21	1	0.25
(1,1368)	1:262:B:LEU:HB2	1:262:A:LEU:HD23	3	0.25
(1,1368)	1:262:B:LEU:HB2	1:262:A:LEU:HD21	14	0.25
(1,1360)	1:262:B:LEU:HD21	1:262:A:LEU:HB2	6	0.25
(1,1360)	1:262:B:LEU:HD23	1:262:A:LEU:HB2	20	0.25
(1,1355)	1:269:A:LEU:HD11	1:268:B:LYS:HE3	14	0.25
(1,1333)	1:269:A:LEU:HD23	1:268:B:LYS:HD2	7	0.25
(1,1313)	1:269:A:LEU:HG	1:270:A:ARG:HE	1	0.25
(1,1234)	1:220:B:ILE:HD11	1:220:B:ILE:HG13	8	0.25
(1,1234)	1:220:B:ILE:HD12	1:220:B:ILE:HG13	10	0.25
(1,1234)	1:220:B:ILE:HD11	1:220:B:ILE:HG13	13	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1234)	1:220:B:ILE:HD11	1:220:B:ILE:HG13	14	0.25
(1,1234)	1:220:B:ILE:HD12	1:220:B:ILE:HG13	15	0.25
(1,1233)	1:220:A:ILE:HD11	1:220:A:ILE:HG13	8	0.25
(1,1233)	1:220:A:ILE:HD12	1:220:A:ILE:HG13	10	0.25
(1,1233)	1:220:A:ILE:HD11	1:220:A:ILE:HG13	13	0.25
(1,1233)	1:220:A:ILE:HD11	1:220:A:ILE:HG13	14	0.25
(1,1233)	1:220:A:ILE:HD12	1:220:A:ILE:HG13	15	0.25
(1,1179)	1:245:A:THR:HG23	1:244:A:ILE:HG21	14	0.25
(1,1172)	1:225:B:VAL:HG21	1:228:B:LYS:HD3	6	0.25
(1,1172)	1:225:B:VAL:HG23	1:228:B:LYS:HD2	15	0.25
(1,1171)	1:225:A:VAL:HG21	1:228:A:LYS:HD3	6	0.25
(1,1171)	1:225:A:VAL:HG23	1:228:A:LYS:HD2	15	0.25
(1,1166)	1:225:B:VAL:HG22	1:222:B:SER:HB2	4	0.25
(1,1165)	1:225:A:VAL:HG22	1:222:A:SER:HB3	18	0.25
(1,1123)	1:214:A:GLU:HB3	1:210:A:LEU:HD21	12	0.25
(1,1026)	1:218:B:GLN:HG2	1:215:B:SER:H	8	0.25
(1,1025)	1:218:A:GLN:HG2	1:215:A:SER:H	8	0.25
(1,952)	1:217:B:GLN:HG2	1:217:B:GLN:H	14	0.25
(1,951)	1:217:A:GLN:HG2	1:217:A:GLN:H	14	0.25
(1,536)	1:251:B:MET:HE1	1:249:B:VAL:H	15	0.25
(1,535)	1:251:A:MET:HE1	1:249:A:VAL:H	15	0.25
(1,530)	1:251:B:MET:HE1	1:248:B:PHE:H	16	0.25
(1,529)	1:251:A:MET:HE1	1:248:A:PHE:H	16	0.25
(1,527)	1:251:A:MET:HE2	1:248:B:PHE:HD1	3	0.25
(1,523)	1:251:A:MET:HE3	1:248:A:PHE:HA	8	0.25
(1,324)	1:227:B:ALA:HB1	1:227:A:ALA:H	19	0.25
(1,323)	1:227:A:ALA:HB3	1:227:A:ALA:H	9	0.25
(1,201)	1:255:A:PHE:HZ	1:251:B:MET:HE1	9	0.25
(1,200)	1:255:B:PHE:HZ	1:259:B:ARG:HD3	14	0.25
(1,70)	1:255:B:PHE:HD2	1:251:A:MET:HG3	8	0.25
(1,69)	1:255:A:PHE:HD2	1:251:B:MET:HG3	8	0.25
(3,2456)	1:217:B:GLN:HB3	1:217:B:GLN:H	1	0.24
(3,2456)	1:217:B:GLN:HB3	1:217:B:GLN:H	2	0.24
(3,2456)	1:217:B:GLN:HB3	1:217:B:GLN:H	13	0.24
(3,2456)	1:217:B:GLN:HB3	1:217:B:GLN:H	17	0.24
(3,2456)	1:217:B:GLN:HB3	1:217:B:GLN:H	19	0.24
(3,2456)	1:217:B:GLN:HB3	1:217:B:GLN:H	20	0.24
(3,2455)	1:217:A:GLN:HB3	1:217:A:GLN:H	1	0.24
(3,2455)	1:217:A:GLN:HB3	1:217:A:GLN:H	2	0.24
(3,2455)	1:217:A:GLN:HB3	1:217:A:GLN:H	13	0.24
(3,2455)	1:217:A:GLN:HB3	1:217:A:GLN:H	17	0.24
(3,2455)	1:217:A:GLN:HB3	1:217:A:GLN:H	19	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2455)	1:217:A:GLN:HB3	1:217:A:GLN:H	20	0.24
(3,2400)	1:273:B:GLN:H	1:273:B:GLN:HB3	17	0.24
(3,2399)	1:273:A:GLN:H	1:273:A:GLN:HB3	17	0.24
(3,2392)	1:272:B:GLN:HB3	1:272:B:GLN:H	18	0.24
(3,2391)	1:272:A:GLN:HB3	1:272:A:GLN:H	18	0.24
(3,2000)	1:263:B:SER:H	1:265:B:ALA:HB2	7	0.24
(3,1999)	1:263:A:SER:H	1:265:A:ALA:HB3	3	0.24
(3,1999)	1:263:A:SER:H	1:265:A:ALA:HB2	7	0.24
(3,1999)	1:263:A:SER:H	1:265:A:ALA:HB3	13	0.24
(3,1996)	1:262:B:LEU:HB2	1:263:B:SER:H	1	0.24
(3,1996)	1:262:B:LEU:HB2	1:263:B:SER:H	2	0.24
(3,1996)	1:262:B:LEU:HB2	1:263:B:SER:H	6	0.24
(3,1996)	1:262:B:LEU:HB2	1:263:B:SER:H	8	0.24
(3,1996)	1:262:B:LEU:HB2	1:263:B:SER:H	12	0.24
(3,1996)	1:262:B:LEU:HB2	1:263:B:SER:H	14	0.24
(3,1995)	1:262:A:LEU:HB2	1:263:A:SER:H	2	0.24
(3,1995)	1:262:A:LEU:HB2	1:263:A:SER:H	9	0.24
(3,1995)	1:262:A:LEU:HB2	1:263:A:SER:H	12	0.24
(3,1995)	1:262:A:LEU:HB2	1:263:A:SER:H	13	0.24
(3,1995)	1:262:A:LEU:HB2	1:263:A:SER:H	14	0.24
(3,1995)	1:262:A:LEU:HB2	1:263:A:SER:H	20	0.24
(3,1989)	1:263:A:SER:H	1:262:A:LEU:H	17	0.24
(3,1964)	1:249:B:VAL:HG23	1:252:B:LYS:HB3	2	0.24
(3,1964)	1:249:B:VAL:HG22	1:252:B:LYS:HB3	3	0.24
(3,1963)	1:249:A:VAL:HG22	1:252:A:LYS:HB3	3	0.24
(3,1963)	1:249:A:VAL:HG23	1:252:A:LYS:HB3	10	0.24
(3,1946)	1:255:B:PHE:HA	1:258:B:LEU:HD12	4	0.24
(3,1946)	1:255:B:PHE:HA	1:258:B:LEU:HD13	14	0.24
(3,1945)	1:255:A:PHE:HA	1:258:A:LEU:HD13	14	0.24
(3,1917)	1:216:A:LEU:HD22	1:217:B:GLN:HE21	13	0.24
(3,1867)	1:225:A:VAL:HG23	1:224:A:GLU:HB3	1	0.24
(3,1867)	1:225:A:VAL:HG22	1:224:A:GLU:HB3	5	0.24
(3,1866)	1:249:B:VAL:HG23	1:253:B:ASP:H	7	0.24
(3,1865)	1:249:A:VAL:HG23	1:253:A:ASP:H	7	0.24
(3,1865)	1:249:A:VAL:HG23	1:253:A:ASP:H	8	0.24
(3,1447)	1:241:A:LEU:HD21	1:240:B:ARG:HD2	10	0.24
(3,1402)	1:257:B:THR:HG21	1:258:B:LEU:HD13	16	0.24
(3,1401)	1:257:A:THR:HG23	1:258:A:LEU:HD11	17	0.24
(3,1400)	1:258:B:LEU:HB2	1:258:B:LEU:HD13	1	0.24
(3,1400)	1:258:B:LEU:HB2	1:258:B:LEU:HD13	8	0.24
(3,1400)	1:258:B:LEU:HB2	1:258:B:LEU:HD12	18	0.24
(3,1399)	1:258:A:LEU:HB2	1:258:A:LEU:HD12	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1399)	1:258:A:LEU:HB2	1:258:A:LEU:HD13	8	0.24
(3,1399)	1:258:A:LEU:HB2	1:258:A:LEU:HD13	13	0.24
(3,1399)	1:258:A:LEU:HB2	1:258:A:LEU:HD12	19	0.24
(3,1390)	1:258:B:LEU:HD21	1:259:A:ARG:HA	1	0.24
(3,1390)	1:258:B:LEU:HD22	1:259:A:ARG:HA	15	0.24
(3,1390)	1:258:B:LEU:HD21	1:259:A:ARG:HA	19	0.24
(3,1389)	1:258:A:LEU:HD22	1:259:B:ARG:HA	10	0.24
(3,1389)	1:258:A:LEU:HD22	1:259:B:ARG:HA	15	0.24
(3,1324)	1:266:B:GLN:HG3	1:262:B:LEU:HD11	14	0.24
(3,1323)	1:266:A:GLN:HG3	1:262:A:LEU:HD11	14	0.24
(3,1271)	1:217:A:GLN:HA	1:220:A:ILE:HG21	17	0.24
(3,1268)	1:220:B:ILE:HD12	1:216:B:LEU:HB3	10	0.24
(3,1268)	1:220:B:ILE:HD11	1:216:B:LEU:HB3	14	0.24
(3,1268)	1:220:B:ILE:HD12	1:216:B:LEU:HB3	16	0.24
(3,1268)	1:220:B:ILE:HD13	1:216:B:LEU:HB3	19	0.24
(3,1268)	1:220:B:ILE:HD11	1:216:B:LEU:HB3	20	0.24
(3,1267)	1:220:A:ILE:HD12	1:216:A:LEU:HB3	10	0.24
(3,1267)	1:220:A:ILE:HD11	1:216:A:LEU:HB3	14	0.24
(3,1267)	1:220:A:ILE:HD13	1:216:A:LEU:HB3	19	0.24
(3,1267)	1:220:A:ILE:HD11	1:216:A:LEU:HB3	20	0.24
(3,1266)	1:220:B:ILE:HG23	1:223:B:LEU:HB3	8	0.24
(3,1266)	1:220:B:ILE:HG22	1:223:B:LEU:HB3	17	0.24
(3,1265)	1:220:A:ILE:HG23	1:223:A:LEU:HB3	8	0.24
(3,1265)	1:220:A:ILE:HG22	1:223:A:LEU:HB3	17	0.24
(3,1262)	1:224:B:GLU:HG3	1:220:B:ILE:HG22	16	0.24
(3,1196)	1:244:B:ILE:HD12	1:244:B:ILE:HG12	2	0.24
(3,1196)	1:244:B:ILE:HD11	1:244:B:ILE:HG12	5	0.24
(3,1196)	1:244:B:ILE:HD12	1:244:B:ILE:HG12	11	0.24
(3,1195)	1:244:A:ILE:HD12	1:244:A:ILE:HG12	2	0.24
(3,1195)	1:244:A:ILE:HD11	1:244:A:ILE:HG12	5	0.24
(3,1195)	1:244:A:ILE:HD12	1:244:A:ILE:HG12	11	0.24
(3,1192)	1:247:B:ASP:HB3	1:244:B:ILE:HA	9	0.24
(3,1068)	1:222:B:SER:HA	1:225:B:VAL:HG12	5	0.24
(3,1067)	1:222:A:SER:HA	1:225:A:VAL:HG12	5	0.24
(3,954)	1:266:B:GLN:HA	1:266:B:GLN:HG3	13	0.24
(3,681)	1:212:A:GLU:HG3	1:211:A:ALA:HB2	20	0.24
(3,580)	1:245:B:THR:HG23	1:249:B:VAL:HG23	20	0.24
(3,559)	1:257:A:THR:HG21	1:261:A:GLU:HG2	4	0.24
(3,535)	1:251:A:MET:HB2	1:251:A:MET:HE1	15	0.24
(3,522)	1:251:B:MET:HE1	1:252:A:LYS:HG3	4	0.24
(3,324)	1:227:B:ALA:HB2	1:230:A:LEU:HD11	6	0.24
(3,324)	1:227:B:ALA:HB1	1:230:A:LEU:HD12	18	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,323)	1:227:A:ALA:HB2	1:230:B:LEU:HD11	6	0.24
(3,323)	1:227:A:ALA:HB2	1:230:B:LEU:HD12	14	0.24
(3,323)	1:227:A:ALA:HB3	1:230:B:LEU:HD11	20	0.24
(3,282)	1:222:B:SER:HB2	1:223:B:LEU:H	2	0.24
(3,22)	1:244:B:ILE:HD11	1:244:A:ILE:HG23	6	0.24
(3,22)	1:244:B:ILE:HD11	1:244:A:ILE:HG22	8	0.24
(3,22)	1:244:B:ILE:HD13	1:244:A:ILE:HG22	11	0.24
(3,21)	1:244:A:ILE:HD11	1:244:B:ILE:HG22	8	0.24
(1,2276)	1:239:B:GLU:HA	1:242:B:ASP:H	12	0.24
(1,2275)	1:239:A:GLU:HA	1:242:A:ASP:H	12	0.24
(1,2039)	1:250:A:LYS:HE2	1:250:A:LYS:HB2	10	0.24
(1,1978)	1:219:B:LYS:HE2	1:216:B:LEU:HD23	5	0.24
(1,1977)	1:219:A:LYS:HE2	1:216:A:LEU:HD23	5	0.24
(1,1908)	1:268:B:LYS:HE3	1:268:B:LYS:HD2	9	0.24
(1,1908)	1:268:B:LYS:HE3	1:268:B:LYS:HD2	10	0.24
(1,1908)	1:268:B:LYS:HE2	1:268:B:LYS:HD2	12	0.24
(1,1908)	1:228:B:LYS:HE2	1:228:B:LYS:HD3	17	0.24
(1,1908)	1:268:B:LYS:HE3	1:268:B:LYS:HD2	19	0.24
(1,1907)	1:268:A:LYS:HE3	1:268:A:LYS:HD2	9	0.24
(1,1907)	1:268:A:LYS:HE3	1:268:A:LYS:HD2	10	0.24
(1,1907)	1:268:A:LYS:HE2	1:268:A:LYS:HD2	12	0.24
(1,1907)	1:228:A:LYS:HE3	1:228:A:LYS:HD2	19	0.24
(1,1831)	1:240:A:ARG:HD2	1:241:B:LEU:HD13	7	0.24
(1,1682)	1:270:B:ARG:HD3	1:266:B:GLN:HB3	5	0.24
(1,1426)	1:255:B:PHE:HB2	1:258:B:LEU:HD13	1	0.24
(1,1426)	1:255:B:PHE:HB2	1:258:B:LEU:HD13	14	0.24
(1,1425)	1:255:A:PHE:HB2	1:258:A:LEU:HD13	1	0.24
(1,1425)	1:255:A:PHE:HB2	1:258:A:LEU:HD13	14	0.24
(1,1416)	1:258:B:LEU:HD11	1:261:B:GLU:H	1	0.24
(1,1368)	1:262:B:LEU:HB2	1:262:A:LEU:HD21	2	0.24
(1,1368)	1:262:B:LEU:HB2	1:262:A:LEU:HD21	10	0.24
(1,1368)	1:262:B:LEU:HB2	1:262:A:LEU:HD23	15	0.24
(1,1367)	1:262:A:LEU:HB2	1:262:B:LEU:HD21	1	0.24
(1,1360)	1:262:B:LEU:HD21	1:262:A:LEU:HB2	7	0.24
(1,1355)	1:269:A:LEU:HD12	1:268:B:LYS:HE2	20	0.24
(1,1352)	1:259:B:ARG:HA	1:262:B:LEU:HD21	17	0.24
(1,1351)	1:259:A:ARG:HA	1:262:A:LEU:HD21	17	0.24
(1,1335)	1:269:A:LEU:HD11	1:268:B:LYS:HB2	2	0.24
(1,1314)	1:269:B:LEU:HG	1:270:B:ARG:HE	1	0.24
(1,1299)	1:258:A:LEU:HD12	1:255:B:PHE:HE2	10	0.24
(1,1244)	1:220:B:ILE:HD13	1:223:A:LEU:HB2	17	0.24
(1,1234)	1:220:B:ILE:HD11	1:220:B:ILE:HG13	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1234)	1:220:B:ILE:HD13	1:220:B:ILE:HG13	11	0.24
(1,1234)	1:220:B:ILE:HD12	1:220:B:ILE:HG13	18	0.24
(1,1234)	1:220:B:ILE:HD11	1:220:B:ILE:HG13	20	0.24
(1,1233)	1:220:A:ILE:HD11	1:220:A:ILE:HG13	7	0.24
(1,1233)	1:220:A:ILE:HD11	1:220:A:ILE:HG13	12	0.24
(1,1233)	1:220:A:ILE:HD12	1:220:A:ILE:HG13	18	0.24
(1,1233)	1:220:A:ILE:HD11	1:220:A:ILE:HG13	20	0.24
(1,1180)	1:245:B:THR:HG23	1:244:B:ILE:HG21	14	0.24
(1,1170)	1:225:B:VAL:HG23	1:228:B:LYS:HB2	5	0.24
(1,1169)	1:225:A:VAL:HG23	1:228:A:LYS:HB2	5	0.24
(1,1166)	1:225:B:VAL:HG21	1:222:B:SER:HB2	13	0.24
(1,1166)	1:225:B:VAL:HG22	1:222:B:SER:HB3	18	0.24
(1,1124)	1:214:B:GLU:HB3	1:210:B:LEU:HD21	12	0.24
(1,1123)	1:237:A:VAL:HG12	1:235:A:GLU:HB2	10	0.24
(1,970)	1:213:B:ASN:HB3	1:217:B:GLN:HG2	7	0.24
(1,969)	1:213:A:ASN:HB3	1:217:A:GLN:HG2	7	0.24
(1,966)	1:217:B:GLN:HG2	1:220:B:ILE:HA	8	0.24
(1,965)	1:217:A:GLN:HG2	1:220:A:ILE:HA	8	0.24
(1,781)	1:217:A:GLN:HB2	1:216:B:LEU:HD21	7	0.24
(1,571)	1:257:A:THR:HG23	1:266:B:GLN:HE22	20	0.24
(1,542)	1:251:B:MET:HE1	1:248:B:PHE:HB2	15	0.24
(1,541)	1:251:A:MET:HE1	1:248:A:PHE:HB2	15	0.24
(1,536)	1:251:B:MET:HE3	1:249:A:VAL:H	18	0.24
(1,524)	1:251:B:MET:HE3	1:248:B:PHE:HA	8	0.24
(1,324)	1:227:B:ALA:HB1	1:227:B:ALA:H	13	0.24
(1,324)	1:227:B:ALA:HB3	1:227:B:ALA:H	17	0.24
(1,323)	1:227:A:ALA:HB1	1:227:A:ALA:H	13	0.24
(1,323)	1:227:A:ALA:HB3	1:227:A:ALA:H	17	0.24
(1,204)	1:255:B:PHE:HZ	1:259:B:ARG:HG2	3	0.24
(1,203)	1:255:A:PHE:HZ	1:259:A:ARG:HG2	3	0.24
(1,201)	1:255:A:PHE:HZ	1:251:B:MET:HE2	6	0.24
(1,77)	1:255:A:PHE:HD1	1:258:B:LEU:HD21	3	0.24
(1,72)	1:255:B:PHE:HD1	1:251:A:MET:HE2	6	0.24
(1,71)	1:255:A:PHE:HD1	1:251:B:MET:HE2	6	0.24
(3,2456)	1:217:B:GLN:HB3	1:217:B:GLN:H	3	0.23
(3,2456)	1:217:B:GLN:HB3	1:217:B:GLN:H	5	0.23
(3,2456)	1:217:B:GLN:HB3	1:217:B:GLN:H	7	0.23
(3,2456)	1:217:B:GLN:HB3	1:217:B:GLN:H	8	0.23
(3,2456)	1:217:B:GLN:HB3	1:217:B:GLN:H	11	0.23
(3,2456)	1:217:B:GLN:HB3	1:217:B:GLN:H	15	0.23
(3,2456)	1:217:B:GLN:HB3	1:217:B:GLN:H	18	0.23
(3,2455)	1:217:A:GLN:HB3	1:217:A:GLN:H	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2455)	1:217:A:GLN:HB3	1:217:A:GLN:H	5	0.23
(3,2455)	1:217:A:GLN:HB3	1:217:A:GLN:H	8	0.23
(3,2455)	1:217:A:GLN:HB3	1:217:A:GLN:H	11	0.23
(3,2455)	1:217:A:GLN:HB3	1:217:A:GLN:H	15	0.23
(3,2455)	1:217:A:GLN:HB3	1:217:A:GLN:H	18	0.23
(3,2000)	1:263:B:SER:H	1:265:B:ALA:HB3	3	0.23
(3,1999)	1:263:A:SER:H	1:265:A:ALA:HB2	19	0.23
(3,1996)	1:262:B:LEU:HB2	1:263:B:SER:H	3	0.23
(3,1996)	1:262:B:LEU:HB2	1:263:B:SER:H	9	0.23
(3,1996)	1:262:B:LEU:HB2	1:263:B:SER:H	13	0.23
(3,1996)	1:262:B:LEU:HB2	1:263:B:SER:H	15	0.23
(3,1996)	1:262:B:LEU:HB2	1:263:B:SER:H	18	0.23
(3,1995)	1:262:A:LEU:HB2	1:263:A:SER:H	3	0.23
(3,1995)	1:262:A:LEU:HB2	1:263:A:SER:H	6	0.23
(3,1995)	1:262:A:LEU:HB2	1:263:A:SER:H	8	0.23
(3,1995)	1:262:A:LEU:HB2	1:263:A:SER:H	15	0.23
(3,1995)	1:262:A:LEU:HB2	1:263:A:SER:H	18	0.23
(3,1990)	1:263:B:SER:H	1:262:B:LEU:H	9	0.23
(3,1990)	1:263:B:SER:H	1:262:B:LEU:H	14	0.23
(3,1990)	1:263:B:SER:H	1:262:B:LEU:H	17	0.23
(3,1990)	1:263:B:SER:H	1:262:B:LEU:H	19	0.23
(3,1989)	1:263:A:SER:H	1:262:A:LEU:H	9	0.23
(3,1989)	1:263:A:SER:H	1:262:A:LEU:H	10	0.23
(3,1989)	1:263:A:SER:H	1:262:A:LEU:H	14	0.23
(3,1989)	1:263:A:SER:H	1:262:A:LEU:H	19	0.23
(3,1964)	1:249:B:VAL:HG23	1:252:B:LYS:HB3	10	0.23
(3,1920)	1:210:B:LEU:HD13	1:207:B:ASP:HB2	7	0.23
(3,1919)	1:210:A:LEU:HD13	1:207:A:ASP:HB2	7	0.23
(3,1918)	1:216:B:LEU:HD22	1:217:A:GLN:HE21	13	0.23
(3,1868)	1:225:B:VAL:HG23	1:224:B:GLU:HB3	1	0.23
(3,1866)	1:249:B:VAL:HG23	1:253:B:ASP:H	5	0.23
(3,1866)	1:249:B:VAL:HG23	1:253:B:ASP:H	8	0.23
(3,1684)	1:240:B:ARG:HG3	1:240:B:ARG:H	14	0.23
(3,1683)	1:240:A:ARG:HG3	1:240:A:ARG:H	14	0.23
(3,1402)	1:257:B:THR:HG23	1:258:B:LEU:HD11	17	0.23
(3,1401)	1:257:A:THR:HG22	1:258:A:LEU:HD12	12	0.23
(3,1400)	1:258:B:LEU:HB2	1:258:B:LEU:HD12	5	0.23
(3,1400)	1:258:B:LEU:HB2	1:258:B:LEU:HD11	12	0.23
(3,1400)	1:258:B:LEU:HB2	1:258:B:LEU:HD13	13	0.23
(3,1400)	1:258:B:LEU:HB2	1:258:B:LEU:HD13	14	0.23
(3,1400)	1:258:B:LEU:HB2	1:258:B:LEU:HD12	15	0.23
(3,1400)	1:258:B:LEU:HB2	1:258:B:LEU:HD12	16	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1400)	1:258:B:LEU:HB2	1:258:B:LEU:HD12	20	0.23
(3,1399)	1:258:A:LEU:HB2	1:258:A:LEU:HD13	1	0.23
(3,1399)	1:258:A:LEU:HB2	1:258:A:LEU:HD12	10	0.23
(3,1399)	1:258:A:LEU:HB2	1:258:A:LEU:HD11	12	0.23
(3,1399)	1:258:A:LEU:HB2	1:258:A:LEU:HD13	14	0.23
(3,1399)	1:258:A:LEU:HB2	1:258:A:LEU:HD12	15	0.23
(3,1399)	1:258:A:LEU:HB2	1:258:A:LEU:HD12	16	0.23
(3,1399)	1:258:A:LEU:HB2	1:258:A:LEU:HD12	18	0.23
(3,1399)	1:258:A:LEU:HB2	1:258:A:LEU:HD12	20	0.23
(3,1390)	1:258:B:LEU:HD22	1:259:A:ARG:HA	10	0.23
(3,1389)	1:258:A:LEU:HD21	1:259:B:ARG:HA	1	0.23
(3,1330)	1:258:B:LEU:HD11	1:259:A:ARG:HA	16	0.23
(3,1261)	1:224:A:GLU:HG3	1:220:A:ILE:HG22	16	0.23
(3,1222)	1:244:B:ILE:HG21	1:247:B:ASP:HB3	3	0.23
(3,1198)	1:244:B:ILE:HG22	1:244:B:ILE:HB	4	0.23
(3,1198)	1:244:B:ILE:HG22	1:244:B:ILE:HB	14	0.23
(3,1198)	1:244:B:ILE:HG22	1:244:B:ILE:HB	16	0.23
(3,1197)	1:244:A:ILE:HG22	1:244:A:ILE:HB	4	0.23
(3,1197)	1:244:A:ILE:HG22	1:244:A:ILE:HB	14	0.23
(3,1196)	1:244:B:ILE:HD11	1:244:B:ILE:HG12	3	0.23
(3,1196)	1:244:B:ILE:HD12	1:244:B:ILE:HG12	17	0.23
(3,1196)	1:244:B:ILE:HD13	1:244:B:ILE:HG12	18	0.23
(3,1195)	1:244:A:ILE:HD11	1:244:A:ILE:HG12	3	0.23
(3,1195)	1:244:A:ILE:HD12	1:244:A:ILE:HG12	17	0.23
(3,1195)	1:244:A:ILE:HD13	1:244:A:ILE:HG12	18	0.23
(3,1195)	1:244:A:ILE:HD12	1:244:A:ILE:HG12	19	0.23
(3,1170)	1:225:B:VAL:HG11	1:221:B:ASN:HD21	18	0.23
(3,1170)	1:225:B:VAL:HG13	1:221:B:ASN:HD21	20	0.23
(3,1167)	1:225:A:VAL:HG22	1:221:A:ASN:HD21	19	0.23
(3,1129)	1:237:A:VAL:HG22	1:238:A:GLN:H	10	0.23
(3,972)	1:238:B:GLN:HG3	1:233:A:PHE:HZ	7	0.23
(3,954)	1:266:B:GLN:HA	1:266:B:GLN:HG3	2	0.23
(3,954)	1:266:B:GLN:HA	1:266:B:GLN:HG3	3	0.23
(3,954)	1:266:B:GLN:HA	1:266:B:GLN:HG3	18	0.23
(3,953)	1:266:A:GLN:HA	1:266:A:GLN:HG3	2	0.23
(3,953)	1:266:A:GLN:HA	1:266:A:GLN:HG3	3	0.23
(3,953)	1:266:A:GLN:HA	1:266:A:GLN:HG3	13	0.23
(3,790)	1:224:B:GLU:HA	1:224:B:GLU:HG3	16	0.23
(3,789)	1:224:A:GLU:HA	1:224:A:GLU:HG3	16	0.23
(3,560)	1:257:B:THR:HG21	1:261:B:GLU:HG2	4	0.23
(3,536)	1:251:B:MET:HB2	1:251:B:MET:HE1	15	0.23
(3,521)	1:251:A:MET:HE1	1:252:B:LYS:HG3	4	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,322)	1:227:B:ALA:HB1	1:226:A:GLU:HG3	5	0.23
(3,321)	1:227:A:ALA:HB1	1:226:B:GLU:HG3	5	0.23
(3,282)	1:222:B:SER:HB2	1:223:B:LEU:H	3	0.23
(3,281)	1:222:A:SER:HB2	1:223:A:LEU:H	2	0.23
(3,281)	1:222:A:SER:HB2	1:223:A:LEU:H	3	0.23
(3,180)	1:255:B:PHE:HE2	1:258:A:LEU:HD21	16	0.23
(3,24)	1:244:B:ILE:HG21	1:244:A:ILE:HG21	15	0.23
(3,23)	1:244:A:ILE:HG21	1:244:B:ILE:HG21	15	0.23
(3,22)	1:244:B:ILE:HD12	1:244:A:ILE:HG22	5	0.23
(3,22)	1:244:B:ILE:HD12	1:244:A:ILE:HG22	12	0.23
(3,21)	1:244:A:ILE:HD12	1:244:B:ILE:HG22	5	0.23
(3,21)	1:244:A:ILE:HD11	1:244:B:ILE:HG23	6	0.23
(3,21)	1:244:A:ILE:HD13	1:244:B:ILE:HG22	11	0.23
(3,21)	1:244:A:ILE:HD12	1:244:B:ILE:HG22	12	0.23
(1,2190)	1:256:B:GLU:HG2	1:258:B:LEU:HD12	11	0.23
(1,2189)	1:256:A:GLU:HG2	1:258:B:LEU:HD23	3	0.23
(1,2189)	1:256:A:GLU:HG2	1:258:B:LEU:HD23	10	0.23
(1,2189)	1:256:A:GLU:HG2	1:258:A:LEU:HD12	11	0.23
(1,2151)	1:216:A:LEU:HD22	1:213:A:ASN:HD22	19	0.23
(1,2040)	1:250:B:LYS:HE3	1:250:B:LYS:HB2	15	0.23
(1,2039)	1:250:A:LYS:HE3	1:250:A:LYS:HB2	15	0.23
(1,1978)	1:219:B:LYS:HE2	1:216:B:LEU:HD23	17	0.23
(1,1977)	1:219:A:LYS:HE2	1:216:A:LEU:HD23	17	0.23
(1,1908)	1:228:B:LYS:HE2	1:228:B:LYS:HD3	11	0.23
(1,1908)	1:268:B:LYS:HE2	1:268:B:LYS:HD3	13	0.23
(1,1907)	1:268:A:LYS:HE2	1:268:A:LYS:HD3	13	0.23
(1,1900)	1:268:B:LYS:HE3	1:269:A:LEU:HD22	14	0.23
(1,1834)	1:240:B:ARG:HD2	1:241:A:LEU:HD23	4	0.23
(1,1832)	1:240:B:ARG:HD2	1:241:A:LEU:HD12	5	0.23
(1,1694)	1:267:B:GLN:HA	1:270:B:ARG:HD2	14	0.23
(1,1693)	1:267:A:GLN:HA	1:270:A:ARG:HD2	14	0.23
(1,1548)	1:223:B:LEU:HD13	1:220:A:ILE:HG12	5	0.23
(1,1548)	1:223:B:LEU:HD12	1:220:A:ILE:HG12	6	0.23
(1,1547)	1:223:A:LEU:HD13	1:220:B:ILE:HG12	5	0.23
(1,1547)	1:223:A:LEU:HD12	1:220:B:ILE:HG12	6	0.23
(1,1426)	1:255:B:PHE:HB2	1:258:B:LEU:HD12	15	0.23
(1,1425)	1:255:A:PHE:HB2	1:258:A:LEU:HD12	15	0.23
(1,1368)	1:262:B:LEU:HB2	1:262:A:LEU:HD23	20	0.23
(1,1367)	1:262:A:LEU:HB2	1:262:B:LEU:HD21	2	0.23
(1,1367)	1:262:A:LEU:HB2	1:262:B:LEU:HD23	3	0.23
(1,1367)	1:262:A:LEU:HB2	1:262:B:LEU:HD23	15	0.23
(1,1336)	1:269:B:LEU:HD11	1:268:A:LYS:HB2	2	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1234)	1:220:B:ILE:HD12	1:220:B:ILE:HG13	6	0.23
(1,1234)	1:220:B:ILE:HD11	1:220:B:ILE:HG13	12	0.23
(1,1233)	1:220:A:ILE:HD12	1:220:A:ILE:HG13	6	0.23
(1,1233)	1:220:A:ILE:HD13	1:220:A:ILE:HG13	11	0.23
(1,1178)	1:244:B:ILE:HD13	1:241:B:LEU:HB2	16	0.23
(1,1165)	1:225:A:VAL:HG21	1:222:A:SER:HB2	13	0.23
(1,1152)	1:237:B:VAL:HG12	1:233:A:PHE:HZ	8	0.23
(1,1151)	1:237:A:VAL:HG12	1:233:B:PHE:HZ	8	0.23
(1,1124)	1:237:B:VAL:HG12	1:235:B:GLU:HB2	10	0.23
(1,1112)	1:249:B:VAL:HG13	1:252:B:LYS:HD3	4	0.23
(1,1111)	1:249:A:VAL:HG13	1:252:A:LYS:HD3	4	0.23
(1,986)	1:273:B:GLN:HG3	1:269:B:LEU:HB3	19	0.23
(1,980)	1:217:B:GLN:HG3	1:220:B:ILE:HB	4	0.23
(1,979)	1:217:A:GLN:HG3	1:220:A:ILE:HB	4	0.23
(1,975)	1:217:A:GLN:HG2	1:216:B:LEU:HD11	3	0.23
(1,768)	1:256:B:GLU:HG3	1:252:B:LYS:HG3	20	0.23
(1,767)	1:256:A:GLU:HG3	1:252:A:LYS:HG3	20	0.23
(1,624)	1:264:B:GLU:HG3	1:268:B:LYS:HD2	14	0.23
(1,623)	1:264:A:GLU:HG3	1:268:A:LYS:HD2	14	0.23
(1,588)	1:245:B:THR:HB	1:245:B:THR:HG23	1	0.23
(1,588)	1:245:B:THR:HB	1:245:B:THR:HG21	15	0.23
(1,587)	1:260:A:THR:HG21	1:260:A:THR:HB	1	0.23
(1,587)	1:260:A:THR:HG23	1:260:A:THR:HB	15	0.23
(1,542)	1:251:B:MET:HE3	1:248:B:PHE:HB2	13	0.23
(1,541)	1:251:A:MET:HE3	1:248:A:PHE:HB2	13	0.23
(1,535)	1:251:A:MET:HE1	1:249:B:VAL:H	17	0.23
(1,530)	1:251:B:MET:HE3	1:248:B:PHE:H	13	0.23
(1,530)	1:251:B:MET:HE2	1:248:B:PHE:H	20	0.23
(1,529)	1:251:A:MET:HE3	1:248:A:PHE:H	13	0.23
(1,529)	1:251:A:MET:HE2	1:248:A:PHE:H	20	0.23
(1,527)	1:251:A:MET:HE3	1:248:B:PHE:HE1	6	0.23
(1,527)	1:251:A:MET:HE3	1:248:B:PHE:HE1	10	0.23
(1,407)	1:234:A:ASN:HB3	1:233:B:PHE:HZ	6	0.23
(1,370)	1:221:B:ASN:HB3	1:224:B:GLU:HB3	8	0.23
(1,369)	1:221:A:ASN:HB3	1:224:A:GLU:HB3	8	0.23
(1,324)	1:227:B:ALA:HB3	1:227:B:ALA:H	4	0.23
(1,323)	1:227:A:ALA:HB3	1:227:A:ALA:H	4	0.23
(1,202)	1:255:B:PHE:HZ	1:251:A:MET:HE2	6	0.23
(1,72)	1:255:B:PHE:HD2	1:251:A:MET:HE3	16	0.23
(3,2455)	1:217:A:GLN:HB3	1:217:A:GLN:H	7	0.22
(3,2000)	1:263:B:SER:H	1:265:B:ALA:HB2	15	0.22
(3,2000)	1:263:B:SER:H	1:265:B:ALA:HB2	19	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1999)	1:263:A:SER:H	1:265:A:ALA:HB2	15	0.22
(3,1996)	1:262:B:LEU:HB2	1:263:B:SER:H	4	0.22
(3,1996)	1:262:B:LEU:HB2	1:263:B:SER:H	5	0.22
(3,1996)	1:262:B:LEU:HB2	1:263:B:SER:H	10	0.22
(3,1996)	1:262:B:LEU:HB2	1:263:B:SER:H	17	0.22
(3,1996)	1:262:B:LEU:HB2	1:263:B:SER:H	19	0.22
(3,1995)	1:262:A:LEU:HB2	1:263:A:SER:H	4	0.22
(3,1995)	1:262:A:LEU:HB2	1:263:A:SER:H	5	0.22
(3,1995)	1:262:A:LEU:HB2	1:263:A:SER:H	10	0.22
(3,1995)	1:262:A:LEU:HB2	1:263:A:SER:H	17	0.22
(3,1995)	1:262:A:LEU:HB2	1:263:A:SER:H	19	0.22
(3,1990)	1:263:B:SER:H	1:262:B:LEU:H	8	0.22
(3,1990)	1:263:B:SER:H	1:262:B:LEU:H	10	0.22
(3,1990)	1:263:B:SER:H	1:262:B:LEU:H	13	0.22
(3,1989)	1:263:A:SER:H	1:262:A:LEU:H	1	0.22
(3,1989)	1:263:A:SER:H	1:262:A:LEU:H	8	0.22
(3,1989)	1:263:A:SER:H	1:262:A:LEU:H	13	0.22
(3,1964)	1:249:B:VAL:HG22	1:252:B:LYS:HB3	20	0.22
(3,1963)	1:249:A:VAL:HG22	1:252:A:LYS:HB3	20	0.22
(3,1865)	1:249:A:VAL:HG23	1:253:A:ASP:H	5	0.22
(3,1553)	1:223:A:LEU:HD11	1:223:A:LEU:HG	4	0.22
(3,1553)	1:223:A:LEU:HD12	1:223:A:LEU:HG	16	0.22
(3,1448)	1:241:B:LEU:HD23	1:240:A:ARG:HD2	7	0.22
(3,1447)	1:241:A:LEU:HD21	1:240:B:ARG:HD2	1	0.22
(3,1402)	1:257:B:THR:HG22	1:258:B:LEU:HD12	12	0.22
(3,1400)	1:258:B:LEU:HB2	1:258:B:LEU:HD12	4	0.22
(3,1400)	1:258:B:LEU:HB2	1:258:B:LEU:HD12	6	0.22
(3,1400)	1:258:B:LEU:HB2	1:258:B:LEU:HD11	7	0.22
(3,1400)	1:258:B:LEU:HB2	1:258:B:LEU:HD13	9	0.22
(3,1400)	1:258:B:LEU:HB2	1:258:B:LEU:HD12	10	0.22
(3,1400)	1:258:B:LEU:HB2	1:258:B:LEU:HD12	11	0.22
(3,1399)	1:258:A:LEU:HB2	1:258:A:LEU:HD12	4	0.22
(3,1399)	1:258:A:LEU:HB2	1:258:A:LEU:HD12	6	0.22
(3,1399)	1:258:A:LEU:HB2	1:258:A:LEU:HD13	9	0.22
(3,1399)	1:258:A:LEU:HB2	1:258:A:LEU:HD12	11	0.22
(3,1389)	1:258:A:LEU:HD21	1:259:B:ARG:HA	19	0.22
(3,1330)	1:258:B:LEU:HD11	1:259:A:ARG:HA	4	0.22
(3,1268)	1:220:B:ILE:HD11	1:216:B:LEU:HB3	13	0.22
(3,1267)	1:220:A:ILE:HD11	1:216:A:LEU:HB3	13	0.22
(3,1266)	1:220:B:ILE:HG22	1:223:B:LEU:HB3	6	0.22
(3,1265)	1:220:A:ILE:HG22	1:223:A:LEU:HB3	6	0.22
(3,1265)	1:220:A:ILE:HG22	1:223:A:LEU:HB3	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1265)	1:220:A:ILE:HG21	1:223:A:LEU:HB3	16	0.22
(3,1226)	1:244:B:ILE:HD13	1:244:B:ILE:HG13	3	0.22
(3,1226)	1:244:B:ILE:HD12	1:244:B:ILE:HG13	4	0.22
(3,1226)	1:244:B:ILE:HD11	1:244:B:ILE:HG13	5	0.22
(3,1226)	1:244:B:ILE:HD11	1:244:B:ILE:HG13	9	0.22
(3,1226)	1:244:B:ILE:HD12	1:244:B:ILE:HG13	11	0.22
(3,1226)	1:244:B:ILE:HD13	1:244:B:ILE:HG13	16	0.22
(3,1226)	1:244:B:ILE:HD12	1:244:B:ILE:HG13	18	0.22
(3,1226)	1:244:B:ILE:HD11	1:244:B:ILE:HG13	19	0.22
(3,1225)	1:244:A:ILE:HD11	1:244:A:ILE:HG13	3	0.22
(3,1225)	1:244:A:ILE:HD12	1:244:A:ILE:HG13	4	0.22
(3,1225)	1:244:A:ILE:HD11	1:244:A:ILE:HG13	5	0.22
(3,1225)	1:244:A:ILE:HD11	1:244:A:ILE:HG13	9	0.22
(3,1225)	1:244:A:ILE:HD13	1:244:A:ILE:HG13	16	0.22
(3,1225)	1:244:A:ILE:HD12	1:244:A:ILE:HG13	18	0.22
(3,1225)	1:244:A:ILE:HD11	1:244:A:ILE:HG13	19	0.22
(3,1221)	1:244:A:ILE:HG21	1:247:A:ASP:HB3	3	0.22
(3,1197)	1:244:A:ILE:HG22	1:244:A:ILE:HB	16	0.22
(3,1196)	1:244:B:ILE:HD11	1:244:B:ILE:HG12	1	0.22
(3,1196)	1:244:B:ILE:HD13	1:244:B:ILE:HG12	4	0.22
(3,1196)	1:244:B:ILE:HD13	1:244:B:ILE:HG12	6	0.22
(3,1196)	1:244:B:ILE:HD13	1:244:B:ILE:HG12	8	0.22
(3,1196)	1:244:B:ILE:HD12	1:244:B:ILE:HG12	9	0.22
(3,1196)	1:244:B:ILE:HD12	1:244:B:ILE:HG12	10	0.22
(3,1196)	1:244:B:ILE:HD11	1:244:B:ILE:HG12	16	0.22
(3,1196)	1:244:B:ILE:HD12	1:244:B:ILE:HG12	19	0.22
(3,1196)	1:244:B:ILE:HD12	1:244:B:ILE:HG12	20	0.22
(3,1195)	1:244:A:ILE:HD11	1:244:A:ILE:HG12	1	0.22
(3,1195)	1:244:A:ILE:HD13	1:244:A:ILE:HG12	4	0.22
(3,1195)	1:244:A:ILE:HD13	1:244:A:ILE:HG12	6	0.22
(3,1195)	1:244:A:ILE:HD13	1:244:A:ILE:HG12	8	0.22
(3,1195)	1:244:A:ILE:HD12	1:244:A:ILE:HG12	9	0.22
(3,1195)	1:244:A:ILE:HD12	1:244:A:ILE:HG12	10	0.22
(3,1195)	1:244:A:ILE:HD11	1:244:A:ILE:HG12	16	0.22
(3,1195)	1:244:A:ILE:HD12	1:244:A:ILE:HG12	20	0.22
(3,1170)	1:225:B:VAL:HG11	1:221:B:ASN:HD21	14	0.22
(3,1169)	1:225:A:VAL:HG12	1:221:A:ASN:HD21	5	0.22
(3,1169)	1:225:A:VAL:HG11	1:221:A:ASN:HD21	14	0.22
(3,1169)	1:225:A:VAL:HG13	1:221:A:ASN:HD21	20	0.22
(3,1168)	1:225:B:VAL:HG22	1:221:B:ASN:HD21	19	0.22
(3,1130)	1:237:B:VAL:HG23	1:238:B:GLN:H	3	0.22
(3,1130)	1:237:B:VAL:HG22	1:238:B:GLN:H	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1129)	1:237:A:VAL:HG23	1:238:A:GLN:H	3	0.22
(3,954)	1:266:B:GLN:HA	1:266:B:GLN:HG3	7	0.22
(3,954)	1:266:B:GLN:HA	1:266:B:GLN:HG3	20	0.22
(3,953)	1:266:A:GLN:HA	1:266:A:GLN:HG3	5	0.22
(3,953)	1:266:A:GLN:HA	1:266:A:GLN:HG3	7	0.22
(3,953)	1:266:A:GLN:HA	1:266:A:GLN:HG3	18	0.22
(3,953)	1:266:A:GLN:HA	1:266:A:GLN:HG3	20	0.22
(3,780)	1:224:B:GLU:HG3	1:224:B:GLU:H	18	0.22
(3,779)	1:224:A:GLU:HG3	1:224:A:GLU:H	18	0.22
(3,682)	1:212:B:GLU:HG3	1:211:B:ALA:HB2	20	0.22
(3,324)	1:227:B:ALA:HB1	1:230:A:LEU:HD13	4	0.22
(3,324)	1:227:B:ALA:HB3	1:230:A:LEU:HD11	20	0.22
(3,323)	1:227:A:ALA:HB1	1:230:B:LEU:HD13	4	0.22
(3,323)	1:227:A:ALA:HB2	1:230:B:LEU:HD11	13	0.22
(3,322)	1:227:B:ALA:HB1	1:226:A:GLU:HG3	9	0.22
(3,322)	1:227:B:ALA:HB1	1:226:A:GLU:HG3	17	0.22
(3,321)	1:227:A:ALA:HB1	1:226:B:GLU:HG3	9	0.22
(3,321)	1:227:A:ALA:HB1	1:226:B:GLU:HG3	17	0.22
(3,22)	1:244:B:ILE:HD12	1:244:A:ILE:HG23	3	0.22
(3,21)	1:244:A:ILE:HD12	1:244:B:ILE:HG23	3	0.22
(1,2294)	1:210:B:LEU:HD13	1:211:B:ALA:H	18	0.22
(1,2293)	1:210:A:LEU:HD13	1:211:A:ALA:H	18	0.22
(1,2222)	1:268:B:LYS:HE3	1:272:A:GLN:HA	14	0.22
(1,2221)	1:268:A:LYS:HE3	1:272:B:GLN:HA	14	0.22
(1,2218)	1:258:B:LEU:HD23	1:261:A:GLU:HB2	2	0.22
(1,2217)	1:258:A:LEU:HD22	1:261:B:GLU:HB2	15	0.22
(1,1978)	1:219:B:LYS:HE2	1:216:B:LEU:HD21	6	0.22
(1,1978)	1:219:B:LYS:HE3	1:216:B:LEU:HD21	18	0.22
(1,1977)	1:219:A:LYS:HE2	1:216:A:LEU:HD21	6	0.22
(1,1974)	1:249:B:VAL:HG13	1:252:B:LYS:HE2	14	0.22
(1,1960)	1:256:B:GLU:HG3	1:252:B:LYS:HE3	15	0.22
(1,1908)	1:228:B:LYS:HE2	1:228:B:LYS:HD3	5	0.22
(1,1908)	1:228:B:LYS:HE2	1:228:B:LYS:HD3	7	0.22
(1,1907)	1:228:A:LYS:HE2	1:228:A:LYS:HD3	5	0.22
(1,1907)	1:228:A:LYS:HE2	1:228:A:LYS:HD3	11	0.22
(1,1900)	1:268:B:LYS:HE2	1:269:A:LEU:HD22	13	0.22
(1,1899)	1:268:A:LYS:HE2	1:269:B:LEU:HD22	13	0.22
(1,1899)	1:268:A:LYS:HE3	1:269:B:LEU:HD22	14	0.22
(1,1833)	1:240:A:ARG:HD2	1:241:B:LEU:HD21	19	0.22
(1,1762)	1:259:B:ARG:HG2	1:258:A:LEU:HD21	14	0.22
(1,1569)	1:216:A:LEU:HD23	1:217:B:GLN:H	7	0.22
(1,1419)	1:258:A:LEU:HD23	1:255:B:PHE:HD2	14	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1416)	1:258:B:LEU:HD12	1:254:B:ASN:H	16	0.22
(1,1415)	1:258:A:LEU:HD12	1:254:A:ASN:H	16	0.22
(1,1368)	1:262:B:LEU:HB2	1:262:A:LEU:HD21	6	0.22
(1,1368)	1:262:B:LEU:HB2	1:262:A:LEU:HD21	7	0.22
(1,1352)	1:259:B:ARG:HA	1:262:B:LEU:HD21	19	0.22
(1,1351)	1:259:A:ARG:HA	1:262:A:LEU:HD21	19	0.22
(1,1243)	1:220:A:ILE:HD13	1:223:B:LEU:HB2	17	0.22
(1,1242)	1:220:B:ILE:HG22	1:219:A:LYS:HE3	7	0.22
(1,1234)	1:220:B:ILE:HD11	1:220:B:ILE:HG13	5	0.22
(1,1234)	1:220:B:ILE:HD12	1:220:B:ILE:HG13	17	0.22
(1,1233)	1:220:A:ILE:HD11	1:220:A:ILE:HG13	5	0.22
(1,1233)	1:220:A:ILE:HD12	1:220:A:ILE:HG13	17	0.22
(1,1177)	1:244:A:ILE:HD13	1:241:A:LEU:HB2	16	0.22
(1,1166)	1:225:B:VAL:HG22	1:222:B:SER:HB2	15	0.22
(1,1165)	1:225:A:VAL:HG22	1:222:A:SER:HB2	15	0.22
(1,1112)	1:249:B:VAL:HG11	1:252:B:LYS:HB2	2	0.22
(1,1111)	1:249:A:VAL:HG11	1:252:A:LYS:HB2	2	0.22
(1,985)	1:273:A:GLN:HG3	1:269:A:LEU:HB3	19	0.22
(1,966)	1:217:B:GLN:HG2	1:220:B:ILE:HA	11	0.22
(1,965)	1:217:A:GLN:HG2	1:220:A:ILE:HA	11	0.22
(1,788)	1:217:B:GLN:HA	1:216:A:LEU:HD12	3	0.22
(1,713)	1:212:A:GLU:HG3	1:208:A:ARG:HG2	12	0.22
(1,641)	1:264:A:GLU:HB2	1:269:B:LEU:HD12	4	0.22
(1,588)	1:260:B:THR:HG22	1:260:B:THR:HB	2	0.22
(1,588)	1:245:B:THR:HB	1:245:B:THR:HG23	3	0.22
(1,588)	1:260:B:THR:HG22	1:260:B:THR:HB	4	0.22
(1,588)	1:260:B:THR:HG21	1:260:B:THR:HB	6	0.22
(1,588)	1:245:B:THR:HB	1:245:B:THR:HG21	9	0.22
(1,588)	1:260:B:THR:HG23	1:260:B:THR:HB	12	0.22
(1,588)	1:245:B:THR:HB	1:245:B:THR:HG21	13	0.22
(1,588)	1:260:B:THR:HG21	1:260:B:THR:HB	14	0.22
(1,588)	1:260:B:THR:HG23	1:260:B:THR:HB	16	0.22
(1,588)	1:245:B:THR:HB	1:245:B:THR:HG21	17	0.22
(1,588)	1:260:B:THR:HG23	1:260:B:THR:HB	19	0.22
(1,588)	1:260:B:THR:HG21	1:260:B:THR:HB	20	0.22
(1,587)	1:260:A:THR:HG22	1:260:A:THR:HB	2	0.22
(1,587)	1:245:A:THR:HB	1:245:A:THR:HG23	3	0.22
(1,587)	1:260:A:THR:HG22	1:260:A:THR:HB	4	0.22
(1,587)	1:260:A:THR:HG21	1:260:A:THR:HB	6	0.22
(1,587)	1:245:A:THR:HB	1:245:A:THR:HG21	9	0.22
(1,587)	1:260:A:THR:HG23	1:260:A:THR:HB	10	0.22
(1,587)	1:260:A:THR:HG23	1:260:A:THR:HB	12	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,587)	1:245:A:THR:HB	1:245:A:THR:HG21	13	0.22
(1,587)	1:245:A:THR:HB	1:245:A:THR:HG22	14	0.22
(1,587)	1:260:A:THR:HG23	1:260:A:THR:HB	16	0.22
(1,587)	1:245:A:THR:HB	1:245:A:THR:HG21	17	0.22
(1,587)	1:260:A:THR:HG22	1:260:A:THR:HB	18	0.22
(1,587)	1:260:A:THR:HG23	1:260:A:THR:HB	19	0.22
(1,587)	1:260:A:THR:HG21	1:260:A:THR:HB	20	0.22
(1,572)	1:257:B:THR:HG23	1:254:B:ASN:HD22	14	0.22
(1,536)	1:251:B:MET:HE3	1:249:B:VAL:H	12	0.22
(1,535)	1:251:A:MET:HE3	1:249:A:VAL:H	12	0.22
(1,535)	1:251:A:MET:HE3	1:249:B:VAL:H	18	0.22
(1,408)	1:234:B:ASN:HB3	1:233:A:PHE:HZ	14	0.22
(1,324)	1:227:B:ALA:HB2	1:227:B:ALA:H	2	0.22
(1,324)	1:227:B:ALA:HB1	1:227:B:ALA:H	8	0.22
(1,323)	1:227:A:ALA:HB2	1:227:A:ALA:H	2	0.22
(1,323)	1:227:A:ALA:HB1	1:227:A:ALA:H	8	0.22
(1,71)	1:255:A:PHE:HD2	1:251:B:MET:HE3	16	0.22
(3,2530)	1:269:B:LEU:HA	1:269:B:LEU:H	11	0.21
(3,2529)	1:269:A:LEU:HA	1:269:A:LEU:H	6	0.21
(3,2529)	1:269:A:LEU:HA	1:269:A:LEU:H	11	0.21
(3,2506)	1:244:B:ILE:HG12	1:244:B:ILE:H	11	0.21
(3,2506)	1:244:B:ILE:HG12	1:244:B:ILE:H	18	0.21
(3,2505)	1:244:A:ILE:HG12	1:244:A:ILE:H	11	0.21
(3,2505)	1:244:A:ILE:HG12	1:244:A:ILE:H	18	0.21
(3,2505)	1:244:A:ILE:HG12	1:244:A:ILE:H	19	0.21
(3,2038)	1:227:B:ALA:H	1:228:B:LYS:H	8	0.21
(3,2038)	1:227:B:ALA:H	1:228:B:LYS:H	13	0.21
(3,2038)	1:227:B:ALA:H	1:228:B:LYS:H	14	0.21
(3,2038)	1:227:B:ALA:H	1:228:B:LYS:H	18	0.21
(3,2037)	1:227:A:ALA:H	1:228:A:LYS:H	7	0.21
(3,2037)	1:227:A:ALA:H	1:228:A:LYS:H	13	0.21
(3,2037)	1:227:A:ALA:H	1:228:A:LYS:H	14	0.21
(3,2037)	1:227:A:ALA:H	1:228:A:LYS:H	18	0.21
(3,2037)	1:227:A:ALA:H	1:228:A:LYS:H	20	0.21
(3,2000)	1:263:B:SER:H	1:265:B:ALA:HB2	1	0.21
(3,1999)	1:263:A:SER:H	1:265:A:ALA:HB2	1	0.21
(3,1996)	1:262:B:LEU:HB2	1:263:B:SER:H	16	0.21
(3,1995)	1:262:A:LEU:HB2	1:263:A:SER:H	16	0.21
(3,1990)	1:263:B:SER:H	1:262:B:LEU:H	1	0.21
(3,1990)	1:263:B:SER:H	1:262:B:LEU:H	2	0.21
(3,1990)	1:263:B:SER:H	1:262:B:LEU:H	4	0.21
(3,1990)	1:263:B:SER:H	1:262:B:LEU:H	7	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1990)	1:263:B:SER:H	1:262:B:LEU:H	12	0.21
(3,1990)	1:263:B:SER:H	1:262:B:LEU:H	18	0.21
(3,1990)	1:263:B:SER:H	1:262:B:LEU:H	20	0.21
(3,1989)	1:263:A:SER:H	1:262:A:LEU:H	2	0.21
(3,1989)	1:263:A:SER:H	1:262:A:LEU:H	4	0.21
(3,1989)	1:263:A:SER:H	1:262:A:LEU:H	7	0.21
(3,1989)	1:263:A:SER:H	1:262:A:LEU:H	12	0.21
(3,1989)	1:263:A:SER:H	1:262:A:LEU:H	20	0.21
(3,1946)	1:255:B:PHE:HA	1:258:B:LEU:HD12	15	0.21
(3,1945)	1:255:A:PHE:HA	1:258:A:LEU:HD12	15	0.21
(3,1916)	1:216:B:LEU:HD22	1:217:A:GLN:HE22	19	0.21
(3,1868)	1:225:B:VAL:HG21	1:224:B:GLU:HB3	8	0.21
(3,1867)	1:225:A:VAL:HG21	1:224:A:GLU:HB3	8	0.21
(3,1866)	1:249:B:VAL:HG23	1:253:B:ASP:H	15	0.21
(3,1866)	1:249:B:VAL:HG22	1:253:B:ASP:H	19	0.21
(3,1865)	1:249:A:VAL:HG23	1:253:A:ASP:H	15	0.21
(3,1684)	1:240:B:ARG:HG3	1:240:B:ARG:H	19	0.21
(3,1683)	1:240:A:ARG:HG3	1:240:A:ARG:H	19	0.21
(3,1620)	1:270:B:ARG:HA	1:273:B:GLN:HB3	12	0.21
(3,1554)	1:223:B:LEU:HD11	1:223:B:LEU:HG	1	0.21
(3,1554)	1:223:B:LEU:HD11	1:223:B:LEU:HG	3	0.21
(3,1554)	1:223:B:LEU:HD11	1:223:B:LEU:HG	4	0.21
(3,1554)	1:223:B:LEU:HD13	1:223:B:LEU:HG	7	0.21
(3,1554)	1:223:B:LEU:HD11	1:223:B:LEU:HG	12	0.21
(3,1554)	1:223:B:LEU:HD11	1:223:B:LEU:HG	13	0.21
(3,1554)	1:223:B:LEU:HD13	1:223:B:LEU:HG	15	0.21
(3,1554)	1:223:B:LEU:HD12	1:223:B:LEU:HG	16	0.21
(3,1554)	1:223:B:LEU:HD11	1:223:B:LEU:HG	18	0.21
(3,1554)	1:223:B:LEU:HD11	1:223:B:LEU:HG	19	0.21
(3,1553)	1:223:A:LEU:HD11	1:223:A:LEU:HG	1	0.21
(3,1553)	1:223:A:LEU:HD11	1:223:A:LEU:HG	3	0.21
(3,1553)	1:223:A:LEU:HD13	1:223:A:LEU:HG	6	0.21
(3,1553)	1:223:A:LEU:HD13	1:223:A:LEU:HG	7	0.21
(3,1553)	1:223:A:LEU:HD11	1:223:A:LEU:HG	11	0.21
(3,1553)	1:223:A:LEU:HD11	1:223:A:LEU:HG	12	0.21
(3,1553)	1:223:A:LEU:HD11	1:223:A:LEU:HG	13	0.21
(3,1553)	1:223:A:LEU:HD12	1:223:A:LEU:HG	17	0.21
(3,1553)	1:223:A:LEU:HD11	1:223:A:LEU:HG	18	0.21
(3,1553)	1:223:A:LEU:HD11	1:223:A:LEU:HG	19	0.21
(3,1466)	1:241:B:LEU:HD22	1:245:B:THR:H	20	0.21
(3,1465)	1:241:A:LEU:HD22	1:245:A:THR:H	20	0.21
(3,1400)	1:258:B:LEU:HB2	1:258:B:LEU:HD11	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1400)	1:258:B:LEU:HB2	1:258:B:LEU:HD12	3	0.21
(3,1400)	1:258:B:LEU:HB2	1:258:B:LEU:HD13	17	0.21
(3,1399)	1:258:A:LEU:HB2	1:258:A:LEU:HD12	3	0.21
(3,1399)	1:258:A:LEU:HB2	1:258:A:LEU:HD11	7	0.21
(3,1399)	1:258:A:LEU:HB2	1:258:A:LEU:HD13	17	0.21
(3,1398)	1:258:B:LEU:HD22	1:258:B:LEU:HB2	11	0.21
(3,1397)	1:258:A:LEU:HD22	1:258:A:LEU:HB2	11	0.21
(3,1272)	1:217:B:GLN:HA	1:220:B:ILE:HG22	1	0.21
(3,1271)	1:217:A:GLN:HA	1:220:A:ILE:HG22	1	0.21
(3,1266)	1:220:B:ILE:HG23	1:223:B:LEU:HB3	1	0.21
(3,1266)	1:220:B:ILE:HG23	1:223:B:LEU:HB3	2	0.21
(3,1266)	1:220:B:ILE:HG23	1:223:B:LEU:HB3	12	0.21
(3,1266)	1:220:B:ILE:HG22	1:223:B:LEU:HB3	15	0.21
(3,1266)	1:220:B:ILE:HG21	1:223:B:LEU:HB3	16	0.21
(3,1266)	1:220:B:ILE:HG22	1:223:B:LEU:HB3	18	0.21
(3,1265)	1:220:A:ILE:HG23	1:223:A:LEU:HB3	1	0.21
(3,1265)	1:220:A:ILE:HG23	1:223:A:LEU:HB3	2	0.21
(3,1265)	1:220:A:ILE:HG21	1:223:A:LEU:HB3	3	0.21
(3,1265)	1:220:A:ILE:HG23	1:223:A:LEU:HB3	12	0.21
(3,1265)	1:220:A:ILE:HG22	1:223:A:LEU:HB3	18	0.21
(3,1226)	1:244:B:ILE:HD13	1:244:B:ILE:HG13	1	0.21
(3,1226)	1:244:B:ILE:HD11	1:244:B:ILE:HG13	2	0.21
(3,1226)	1:244:B:ILE:HD12	1:244:B:ILE:HG13	6	0.21
(3,1226)	1:244:B:ILE:HD12	1:244:B:ILE:HG13	8	0.21
(3,1226)	1:244:B:ILE:HD11	1:244:B:ILE:HG13	10	0.21
(3,1226)	1:244:B:ILE:HD13	1:244:B:ILE:HG13	12	0.21
(3,1226)	1:244:B:ILE:HD11	1:244:B:ILE:HG13	20	0.21
(3,1225)	1:244:A:ILE:HD13	1:244:A:ILE:HG13	1	0.21
(3,1225)	1:244:A:ILE:HD11	1:244:A:ILE:HG13	2	0.21
(3,1225)	1:244:A:ILE:HD12	1:244:A:ILE:HG13	6	0.21
(3,1225)	1:244:A:ILE:HD11	1:244:A:ILE:HG13	10	0.21
(3,1225)	1:244:A:ILE:HD12	1:244:A:ILE:HG13	11	0.21
(3,1225)	1:244:A:ILE:HD13	1:244:A:ILE:HG13	12	0.21
(3,1225)	1:244:A:ILE:HD11	1:244:A:ILE:HG13	20	0.21
(3,1198)	1:244:B:ILE:HG23	1:244:B:ILE:HB	9	0.21
(3,1197)	1:244:A:ILE:HG23	1:244:A:ILE:HB	9	0.21
(3,1196)	1:244:B:ILE:HD11	1:244:B:ILE:HG12	12	0.21
(3,1195)	1:244:A:ILE:HD11	1:244:A:ILE:HG12	12	0.21
(3,1195)	1:244:A:ILE:HD12	1:244:A:ILE:HG12	13	0.21
(3,1170)	1:225:B:VAL:HG12	1:221:B:ASN:HD21	5	0.21
(3,1130)	1:237:B:VAL:HG22	1:238:B:GLN:H	5	0.21
(3,1129)	1:237:A:VAL:HG22	1:238:A:GLN:H	5	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,954)	1:266:B:GLN:HA	1:266:B:GLN:HG3	5	0.21
(3,954)	1:266:B:GLN:HA	1:266:B:GLN:HG3	15	0.21
(3,953)	1:266:A:GLN:HA	1:266:A:GLN:HG3	15	0.21
(3,790)	1:224:B:GLU:HA	1:224:B:GLU:HG3	17	0.21
(3,789)	1:224:A:GLU:HA	1:224:A:GLU:HG3	17	0.21
(3,324)	1:227:B:ALA:HB2	1:230:A:LEU:HD11	13	0.21
(3,304)	1:265:B:ALA:HB1	1:262:B:LEU:HB2	11	0.21
(3,303)	1:265:A:ALA:HB1	1:262:A:LEU:HB2	11	0.21
(3,282)	1:222:B:SER:HB2	1:223:B:LEU:H	17	0.21
(3,186)	1:262:B:LEU:HD13	1:254:A:ASN:HD21	3	0.21
(1,2276)	1:239:B:GLU:HA	1:242:B:ASP:H	11	0.21
(1,2275)	1:239:A:GLU:HA	1:242:A:ASP:H	11	0.21
(1,2257)	1:263:A:SER:HB2	1:263:A:SER:H	8	0.21
(1,2220)	1:255:B:PHE:HA	1:258:B:LEU:HD23	15	0.21
(1,2219)	1:255:A:PHE:HA	1:258:A:LEU:HD23	15	0.21
(1,2152)	1:216:B:LEU:HD22	1:213:B:ASN:HD22	19	0.21
(1,2146)	1:219:B:LYS:HG3	1:223:B:LEU:HD13	1	0.21
(1,2040)	1:250:B:LYS:HE3	1:250:B:LYS:HB2	3	0.21
(1,2040)	1:250:B:LYS:HE3	1:250:B:LYS:HB2	9	0.21
(1,2039)	1:250:A:LYS:HE3	1:250:A:LYS:HB2	9	0.21
(1,1978)	1:219:B:LYS:HE2	1:216:B:LEU:HD21	8	0.21
(1,1977)	1:219:A:LYS:HE3	1:216:A:LEU:HD21	18	0.21
(1,1973)	1:249:A:VAL:HG13	1:252:A:LYS:HE2	14	0.21
(1,1959)	1:256:A:GLU:HG3	1:252:A:LYS:HE3	15	0.21
(1,1907)	1:228:A:LYS:HE2	1:228:A:LYS:HD3	7	0.21
(1,1831)	1:240:A:ARG:HD2	1:241:B:LEU:HD11	17	0.21
(1,1796)	1:246:B:ASP:HB2	1:243:B:ARG:HD3	4	0.21
(1,1530)	1:223:B:LEU:HD22	1:227:B:ALA:H	2	0.21
(1,1529)	1:223:A:LEU:HD22	1:227:A:ALA:H	2	0.21
(1,1420)	1:258:B:LEU:HD23	1:255:A:PHE:HD2	14	0.21
(1,1416)	1:258:B:LEU:HD13	1:261:B:GLU:H	11	0.21
(1,1415)	1:258:A:LEU:HD13	1:261:A:GLU:H	11	0.21
(1,1367)	1:262:A:LEU:HB2	1:262:B:LEU:HD21	6	0.21
(1,1367)	1:262:A:LEU:HB2	1:262:B:LEU:HD23	20	0.21
(1,1356)	1:269:B:LEU:HD12	1:268:A:LYS:HE3	12	0.21
(1,1355)	1:269:A:LEU:HD12	1:268:B:LYS:HE3	12	0.21
(1,1292)	1:269:B:LEU:HD13	1:270:B:ARG:H	12	0.21
(1,1291)	1:269:A:LEU:HD13	1:270:A:ARG:H	12	0.21
(1,1243)	1:220:A:ILE:HD13	1:223:B:LEU:HB2	18	0.21
(1,1234)	1:220:B:ILE:HD12	1:220:B:ILE:HG13	3	0.21
(1,1233)	1:220:A:ILE:HD12	1:220:A:ILE:HG13	3	0.21
(1,1166)	1:225:B:VAL:HG22	1:222:B:SER:HB2	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1165)	1:225:A:VAL:HG22	1:222:A:SER:HB2	9	0.21
(1,976)	1:217:B:GLN:HG2	1:216:A:LEU:HD11	3	0.21
(1,930)	1:248:B:PHE:HB2	1:251:B:MET:HB3	6	0.21
(1,787)	1:217:A:GLN:HA	1:216:B:LEU:HD12	3	0.21
(1,766)	1:256:B:GLU:HG2	1:252:B:LYS:HB2	10	0.21
(1,765)	1:256:A:GLU:HG2	1:252:A:LYS:HB2	10	0.21
(1,588)	1:260:B:THR:HG22	1:260:B:THR:HB	5	0.21
(1,588)	1:260:B:THR:HG21	1:260:B:THR:HB	7	0.21
(1,588)	1:260:B:THR:HG23	1:260:B:THR:HB	8	0.21
(1,588)	1:260:B:THR:HG23	1:260:B:THR:HB	10	0.21
(1,588)	1:260:B:THR:HG22	1:260:B:THR:HB	18	0.21
(1,587)	1:260:A:THR:HG22	1:260:A:THR:HB	5	0.21
(1,587)	1:260:A:THR:HG21	1:260:A:THR:HB	7	0.21
(1,587)	1:260:A:THR:HG23	1:260:A:THR:HB	8	0.21
(1,535)	1:251:A:MET:HE2	1:249:A:VAL:H	4	0.21
(1,528)	1:251:B:MET:HE3	1:248:A:PHE:HE1	6	0.21
(1,528)	1:251:B:MET:HE3	1:248:A:PHE:HE1	10	0.21
(1,450)	1:246:B:ASP:HB2	1:243:B:ARG:HD3	14	0.21
(1,449)	1:246:A:ASP:HB2	1:243:A:ARG:HD3	14	0.21
(1,344)	1:227:B:ALA:HB1	1:226:A:GLU:HB3	3	0.21
(1,343)	1:227:A:ALA:HB1	1:226:B:GLU:HB3	3	0.21
(1,324)	1:227:B:ALA:HB3	1:227:B:ALA:H	3	0.21
(1,78)	1:255:B:PHE:HD1	1:258:A:LEU:HD21	3	0.21
(3,2530)	1:269:B:LEU:HA	1:269:B:LEU:H	6	0.2
(3,2506)	1:244:B:ILE:HG12	1:244:B:ILE:H	19	0.2
(3,2392)	1:272:B:GLN:HB3	1:272:B:GLN:H	17	0.2
(3,2391)	1:272:A:GLN:HB3	1:272:A:GLN:H	17	0.2
(3,2114)	1:273:B:GLN:HA	1:274:B:ASP:H	16	0.2
(3,2038)	1:227:B:ALA:H	1:228:B:LYS:H	2	0.2
(3,2038)	1:227:B:ALA:H	1:228:B:LYS:H	7	0.2
(3,2038)	1:227:B:ALA:H	1:228:B:LYS:H	9	0.2
(3,2038)	1:227:B:ALA:H	1:228:B:LYS:H	20	0.2
(3,2037)	1:227:A:ALA:H	1:228:A:LYS:H	2	0.2
(3,2037)	1:227:A:ALA:H	1:228:A:LYS:H	8	0.2
(3,2037)	1:227:A:ALA:H	1:228:A:LYS:H	9	0.2
(3,1994)	1:259:B:ARG:HA	1:263:B:SER:H	4	0.2
(3,1994)	1:259:B:ARG:HA	1:263:B:SER:H	17	0.2
(3,1993)	1:259:A:ARG:HA	1:263:A:SER:H	4	0.2
(3,1993)	1:259:A:ARG:HA	1:263:A:SER:H	17	0.2
(3,1990)	1:263:B:SER:H	1:262:B:LEU:H	3	0.2
(3,1990)	1:263:B:SER:H	1:262:B:LEU:H	15	0.2
(3,1990)	1:263:B:SER:H	1:262:B:LEU:H	16	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1989)	1:263:A:SER:H	1:262:A:LEU:H	3	0.2
(3,1989)	1:263:A:SER:H	1:262:A:LEU:H	15	0.2
(3,1989)	1:263:A:SER:H	1:262:A:LEU:H	16	0.2
(3,1989)	1:263:A:SER:H	1:262:A:LEU:H	18	0.2
(3,1964)	1:249:B:VAL:HG23	1:252:B:LYS:HB3	4	0.2
(3,1963)	1:249:A:VAL:HG23	1:252:A:LYS:HB3	4	0.2
(3,1915)	1:216:A:LEU:HD22	1:217:B:GLN:HE22	19	0.2
(3,1867)	1:225:A:VAL:HG22	1:224:A:GLU:HB3	20	0.2
(3,1865)	1:249:A:VAL:HG23	1:253:A:ASP:H	2	0.2
(3,1865)	1:249:A:VAL:HG23	1:253:A:ASP:H	12	0.2
(3,1865)	1:249:A:VAL:HG22	1:253:A:ASP:H	14	0.2
(3,1865)	1:249:A:VAL:HG22	1:253:A:ASP:H	19	0.2
(3,1707)	1:225:A:VAL:HG11	1:229:A:ARG:HD2	19	0.2
(3,1619)	1:270:A:ARG:HA	1:273:A:GLN:HB3	12	0.2
(3,1554)	1:223:B:LEU:HD13	1:223:B:LEU:HG	2	0.2
(3,1554)	1:223:B:LEU:HD11	1:223:B:LEU:HG	5	0.2
(3,1554)	1:223:B:LEU:HD13	1:223:B:LEU:HG	6	0.2
(3,1554)	1:223:B:LEU:HD12	1:223:B:LEU:HG	8	0.2
(3,1554)	1:223:B:LEU:HD13	1:223:B:LEU:HG	10	0.2
(3,1554)	1:223:B:LEU:HD11	1:223:B:LEU:HG	11	0.2
(3,1554)	1:223:B:LEU:HD12	1:223:B:LEU:HG	14	0.2
(3,1554)	1:223:B:LEU:HD12	1:223:B:LEU:HG	17	0.2
(3,1554)	1:223:B:LEU:HD12	1:223:B:LEU:HG	20	0.2
(3,1553)	1:223:A:LEU:HD13	1:223:A:LEU:HG	2	0.2
(3,1553)	1:223:A:LEU:HD11	1:223:A:LEU:HG	5	0.2
(3,1553)	1:223:A:LEU:HD12	1:223:A:LEU:HG	8	0.2
(3,1553)	1:223:A:LEU:HD12	1:223:A:LEU:HG	9	0.2
(3,1553)	1:223:A:LEU:HD13	1:223:A:LEU:HG	10	0.2
(3,1553)	1:223:A:LEU:HD12	1:223:A:LEU:HG	14	0.2
(3,1553)	1:223:A:LEU:HD13	1:223:A:LEU:HG	15	0.2
(3,1553)	1:223:A:LEU:HD12	1:223:A:LEU:HG	20	0.2
(3,1448)	1:241:B:LEU:HD21	1:240:A:ARG:HD2	1	0.2
(3,1443)	1:241:A:LEU:HD21	1:240:B:ARG:HG2	7	0.2
(3,1443)	1:241:A:LEU:HD21	1:240:B:ARG:HG2	18	0.2
(3,1399)	1:258:A:LEU:HB2	1:258:A:LEU:HD11	2	0.2
(3,1398)	1:258:B:LEU:HD21	1:258:B:LEU:HB2	4	0.2
(3,1397)	1:258:A:LEU:HD21	1:258:A:LEU:HB2	4	0.2
(3,1298)	1:269:B:LEU:HD23	1:273:B:GLN:HE22	1	0.2
(3,1266)	1:220:B:ILE:HG21	1:223:B:LEU:HB3	3	0.2
(3,1266)	1:220:B:ILE:HG21	1:223:B:LEU:HB3	5	0.2
(3,1266)	1:220:B:ILE:HG22	1:223:B:LEU:HB3	10	0.2
(3,1265)	1:220:A:ILE:HG21	1:223:A:LEU:HB3	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1265)	1:220:A:ILE:HG21	1:223:A:LEU:HB3	13	0.2
(3,1226)	1:244:B:ILE:HD11	1:244:B:ILE:HG13	13	0.2
(3,1226)	1:244:B:ILE:HD12	1:244:B:ILE:HG13	14	0.2
(3,1226)	1:244:B:ILE:HD11	1:244:B:ILE:HG13	17	0.2
(3,1225)	1:244:A:ILE:HD12	1:244:A:ILE:HG13	8	0.2
(3,1225)	1:244:A:ILE:HD11	1:244:A:ILE:HG13	13	0.2
(3,1225)	1:244:A:ILE:HD12	1:244:A:ILE:HG13	14	0.2
(3,1225)	1:244:A:ILE:HD12	1:244:A:ILE:HG13	15	0.2
(3,1225)	1:244:A:ILE:HD11	1:244:A:ILE:HG13	17	0.2
(3,1198)	1:244:B:ILE:HG22	1:244:B:ILE:HB	17	0.2
(3,1197)	1:244:A:ILE:HG22	1:244:A:ILE:HB	17	0.2
(3,1197)	1:244:A:ILE:HG22	1:244:A:ILE:HB	19	0.2
(3,1196)	1:244:B:ILE:HD12	1:244:B:ILE:HG12	7	0.2
(3,1196)	1:244:B:ILE:HD12	1:244:B:ILE:HG12	13	0.2
(3,1196)	1:244:B:ILE:HD13	1:244:B:ILE:HG12	14	0.2
(3,1196)	1:244:B:ILE:HD13	1:244:B:ILE:HG12	15	0.2
(3,1195)	1:244:A:ILE:HD12	1:244:A:ILE:HG12	7	0.2
(3,1195)	1:244:A:ILE:HD13	1:244:A:ILE:HG12	14	0.2
(3,1195)	1:244:A:ILE:HD13	1:244:A:ILE:HG12	15	0.2
(3,1192)	1:247:B:ASP:HB3	1:244:B:ILE:HA	3	0.2
(3,1192)	1:247:B:ASP:HB3	1:244:B:ILE:HA	6	0.2
(3,1191)	1:247:A:ASP:HB3	1:244:A:ILE:HA	6	0.2
(3,1169)	1:225:A:VAL:HG11	1:221:A:ASN:HD21	18	0.2
(3,1168)	1:225:B:VAL:HG21	1:221:B:ASN:HD21	4	0.2
(3,1168)	1:225:B:VAL:HG21	1:221:B:ASN:HD21	18	0.2
(3,1167)	1:225:A:VAL:HG21	1:221:A:ASN:HD21	4	0.2
(3,1130)	1:237:B:VAL:HG21	1:238:B:GLN:H	4	0.2
(3,1130)	1:237:B:VAL:HG23	1:238:B:GLN:H	8	0.2
(3,1129)	1:237:A:VAL:HG21	1:238:A:GLN:H	4	0.2
(3,1129)	1:237:A:VAL:HG23	1:238:A:GLN:H	8	0.2
(3,1033)	1:249:A:VAL:HG13	1:250:A:LYS:H	18	0.2
(3,954)	1:266:B:GLN:HA	1:266:B:GLN:HG3	6	0.2
(3,953)	1:266:A:GLN:HA	1:266:A:GLN:HG3	6	0.2
(3,939)	1:266:A:GLN:HG3	1:262:A:LEU:HG	10	0.2
(3,717)	1:234:A:ASN:HB3	1:231:A:GLN:HA	1	0.2
(3,322)	1:227:B:ALA:HB2	1:226:A:GLU:HG3	11	0.2
(3,321)	1:227:A:ALA:HB2	1:226:B:GLU:HG3	11	0.2
(3,281)	1:222:A:SER:HB2	1:223:A:LEU:H	17	0.2
(3,22)	1:244:B:ILE:HD13	1:244:A:ILE:HG23	19	0.2
(3,21)	1:244:A:ILE:HD13	1:244:B:ILE:HG23	19	0.2
(1,2294)	1:210:B:LEU:HD11	1:211:B:ALA:H	7	0.2
(1,2293)	1:210:A:LEU:HD11	1:211:A:ALA:H	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2276)	1:239:B:GLU:HA	1:242:B:ASP:H	7	0.2
(1,2275)	1:239:A:GLU:HA	1:242:A:ASP:H	7	0.2
(1,2274)	1:215:B:SER:H	1:214:B:GLU:HB2	12	0.2
(1,2273)	1:215:A:SER:H	1:214:A:GLU:HB2	12	0.2
(1,2258)	1:263:B:SER:HB2	1:263:B:SER:H	8	0.2
(1,2258)	1:263:B:SER:HB2	1:263:B:SER:H	20	0.2
(1,2220)	1:255:B:PHE:HA	1:258:B:LEU:HD23	9	0.2
(1,2219)	1:255:A:PHE:HA	1:258:A:LEU:HD23	9	0.2
(1,2218)	1:258:B:LEU:HD22	1:261:A:GLU:HB2	15	0.2
(1,2187)	1:252:A:LYS:HG2	1:256:A:GLU:HG3	15	0.2
(1,2174)	1:259:B:ARG:HD3	1:256:B:GLU:HG2	3	0.2
(1,2173)	1:259:A:ARG:HD3	1:256:A:GLU:HG2	3	0.2
(1,2145)	1:219:A:LYS:HG3	1:223:A:LEU:HD13	1	0.2
(1,2040)	1:250:B:LYS:HE2	1:250:B:LYS:HB2	11	0.2
(1,2040)	1:250:B:LYS:HE3	1:250:B:LYS:HB2	18	0.2
(1,2039)	1:250:A:LYS:HE3	1:250:A:LYS:HB2	3	0.2
(1,2039)	1:250:A:LYS:HE2	1:250:A:LYS:HB2	11	0.2
(1,2039)	1:250:A:LYS:HE3	1:250:A:LYS:HB2	18	0.2
(1,1977)	1:219:A:LYS:HE2	1:216:A:LEU:HD21	8	0.2
(1,1908)	1:228:B:LYS:HE2	1:228:B:LYS:HD3	15	0.2
(1,1907)	1:228:A:LYS:HE2	1:228:A:LYS:HD3	15	0.2
(1,1831)	1:240:A:ARG:HD2	1:241:B:LEU:HD12	5	0.2
(1,1795)	1:246:A:ASP:HB2	1:243:A:ARG:HD3	4	0.2
(1,1794)	1:246:B:ASP:HB3	1:243:B:ARG:HD2	6	0.2
(1,1793)	1:246:A:ASP:HB3	1:243:A:ARG:HD2	6	0.2
(1,1761)	1:259:A:ARG:HG2	1:258:B:LEU:HD21	14	0.2
(1,1596)	1:207:B:ASP:HA	1:210:B:LEU:HD13	15	0.2
(1,1595)	1:207:A:ASP:HA	1:210:A:LEU:HD13	15	0.2
(1,1548)	1:223:B:LEU:HD13	1:220:A:ILE:HG12	3	0.2
(1,1547)	1:223:A:LEU:HD11	1:220:B:ILE:HG12	17	0.2
(1,1506)	1:230:B:LEU:HD23	1:230:B:LEU:HB2	3	0.2
(1,1506)	1:230:B:LEU:HD23	1:230:B:LEU:HB2	12	0.2
(1,1506)	1:230:B:LEU:HD23	1:230:B:LEU:HB2	15	0.2
(1,1506)	1:230:B:LEU:HD23	1:230:B:LEU:HB2	20	0.2
(1,1505)	1:230:A:LEU:HD23	1:230:A:LEU:HB2	12	0.2
(1,1505)	1:230:A:LEU:HD23	1:230:A:LEU:HB2	15	0.2
(1,1505)	1:230:A:LEU:HD23	1:230:A:LEU:HB2	20	0.2
(1,1426)	1:255:B:PHE:HB2	1:258:B:LEU:HD12	16	0.2
(1,1425)	1:255:A:PHE:HB2	1:258:A:LEU:HD12	16	0.2
(1,1333)	1:269:A:LEU:HD22	1:268:B:LYS:HD2	2	0.2
(1,1333)	1:269:A:LEU:HD23	1:268:B:LYS:HD2	19	0.2
(1,1300)	1:258:B:LEU:HD12	1:255:A:PHE:HE2	10	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1241)	1:220:A:ILE:HG22	1:219:B:LYS:HE3	1	0.2
(1,1236)	1:220:B:ILE:HD12	1:220:B:ILE:HG13	1	0.2
(1,1236)	1:220:B:ILE:HD13	1:220:B:ILE:HG13	19	0.2
(1,1235)	1:220:A:ILE:HD13	1:220:A:ILE:HG13	19	0.2
(1,1234)	1:220:B:ILE:HD12	1:220:B:ILE:HG13	2	0.2
(1,1233)	1:220:A:ILE:HD12	1:220:A:ILE:HG13	2	0.2
(1,1166)	1:225:B:VAL:HG21	1:222:B:SER:HB2	17	0.2
(1,1166)	1:225:B:VAL:HG22	1:222:B:SER:HB3	20	0.2
(1,1165)	1:225:A:VAL:HG21	1:222:A:SER:HB3	8	0.2
(1,1165)	1:225:A:VAL:HG21	1:222:A:SER:HB2	17	0.2
(1,1165)	1:225:A:VAL:HG22	1:222:A:SER:HB3	20	0.2
(1,1150)	1:237:B:VAL:HG12	1:233:A:PHE:HE1	15	0.2
(1,1149)	1:237:A:VAL:HG12	1:233:B:PHE:HE1	15	0.2
(1,1124)	1:237:B:VAL:HG12	1:235:B:GLU:HB2	20	0.2
(1,1123)	1:237:A:VAL:HG12	1:235:A:GLU:HB2	20	0.2
(1,929)	1:248:A:PHE:HB2	1:251:A:MET:HB3	6	0.2
(1,875)	1:223:A:LEU:HA	1:228:B:LYS:HG3	9	0.2
(1,714)	1:212:B:GLU:HG3	1:208:B:ARG:HG2	12	0.2
(1,588)	1:260:B:THR:HG22	1:260:B:THR:HB	11	0.2
(1,587)	1:260:A:THR:HG22	1:260:A:THR:HB	11	0.2
(1,571)	1:257:A:THR:HG23	1:254:A:ASN:HD22	14	0.2
(1,536)	1:251:B:MET:HE2	1:249:B:VAL:H	4	0.2
(1,536)	1:251:B:MET:HE1	1:249:A:VAL:H	17	0.2
(1,535)	1:251:A:MET:HE2	1:249:B:VAL:H	16	0.2
(1,408)	1:234:B:ASN:HB3	1:233:A:PHE:HZ	6	0.2
(1,347)	1:227:A:ALA:HB2	1:230:B:LEU:HG	15	0.2
(1,324)	1:227:B:ALA:HB2	1:227:B:ALA:H	7	0.2
(1,323)	1:227:A:ALA:HB3	1:227:A:ALA:H	3	0.2
(1,323)	1:227:A:ALA:HB2	1:227:A:ALA:H	7	0.2
(1,109)	1:255:A:PHE:HZ	1:258:B:LEU:HD21	4	0.2
(3,2678)	1:268:B:LYS:H	1:269:B:LEU:H	11	0.19
(3,2677)	1:268:A:LYS:H	1:269:A:LEU:H	11	0.19
(3,2530)	1:269:B:LEU:HA	1:269:B:LEU:H	2	0.19
(3,2530)	1:269:B:LEU:HA	1:269:B:LEU:H	16	0.19
(3,2529)	1:269:A:LEU:HA	1:269:A:LEU:H	2	0.19
(3,2529)	1:269:A:LEU:HA	1:269:A:LEU:H	16	0.19
(3,2529)	1:269:A:LEU:HA	1:269:A:LEU:H	20	0.19
(3,2506)	1:244:B:ILE:HG12	1:244:B:ILE:H	1	0.19
(3,2506)	1:244:B:ILE:HG12	1:244:B:ILE:H	3	0.19
(3,2506)	1:244:B:ILE:HG12	1:244:B:ILE:H	6	0.19
(3,2505)	1:244:A:ILE:HG12	1:244:A:ILE:H	1	0.19
(3,2505)	1:244:A:ILE:HG12	1:244:A:ILE:H	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2113)	1:273:A:GLN:HA	1:274:A:ASP:H	16	0.19
(3,2038)	1:227:B:ALA:H	1:228:B:LYS:H	4	0.19
(3,2038)	1:227:B:ALA:H	1:228:B:LYS:H	12	0.19
(3,2038)	1:227:B:ALA:H	1:228:B:LYS:H	17	0.19
(3,2037)	1:227:A:ALA:H	1:228:A:LYS:H	4	0.19
(3,2037)	1:227:A:ALA:H	1:228:A:LYS:H	12	0.19
(3,2037)	1:227:A:ALA:H	1:228:A:LYS:H	17	0.19
(3,1994)	1:259:B:ARG:HA	1:263:B:SER:H	18	0.19
(3,1994)	1:259:B:ARG:HA	1:263:B:SER:H	19	0.19
(3,1993)	1:259:A:ARG:HA	1:263:A:SER:H	18	0.19
(3,1993)	1:259:A:ARG:HA	1:263:A:SER:H	19	0.19
(3,1990)	1:263:B:SER:H	1:262:B:LEU:H	5	0.19
(3,1990)	1:263:B:SER:H	1:262:B:LEU:H	6	0.19
(3,1989)	1:263:A:SER:H	1:262:A:LEU:H	5	0.19
(3,1989)	1:263:A:SER:H	1:262:A:LEU:H	6	0.19
(3,1919)	1:210:A:LEU:HD13	1:207:A:ASP:HB2	14	0.19
(3,1868)	1:225:B:VAL:HG22	1:224:B:GLU:HB3	20	0.19
(3,1866)	1:249:B:VAL:HG23	1:253:B:ASP:H	2	0.19
(3,1866)	1:249:B:VAL:HG23	1:253:B:ASP:H	12	0.19
(3,1866)	1:249:B:VAL:HG22	1:253:B:ASP:H	14	0.19
(3,1568)	1:269:B:LEU:HD21	1:265:A:ALA:HA	17	0.19
(3,1567)	1:269:A:LEU:HD21	1:265:B:ALA:HA	17	0.19
(3,1554)	1:223:B:LEU:HD12	1:223:B:LEU:HG	9	0.19
(3,1444)	1:241:B:LEU:HD21	1:240:A:ARG:HG2	18	0.19
(3,1443)	1:241:A:LEU:HD22	1:240:B:ARG:HG2	11	0.19
(3,1402)	1:257:B:THR:HG22	1:258:B:LEU:HD11	14	0.19
(3,1266)	1:220:B:ILE:HG21	1:223:B:LEU:HB3	11	0.19
(3,1266)	1:220:B:ILE:HG21	1:223:B:LEU:HB3	13	0.19
(3,1265)	1:220:A:ILE:HG21	1:223:A:LEU:HB3	4	0.19
(3,1226)	1:244:B:ILE:HD11	1:244:B:ILE:HG13	7	0.19
(3,1226)	1:244:B:ILE:HD12	1:244:B:ILE:HG13	15	0.19
(3,1225)	1:244:A:ILE:HD11	1:244:A:ILE:HG13	7	0.19
(3,1198)	1:244:B:ILE:HG22	1:244:B:ILE:HB	1	0.19
(3,1198)	1:244:B:ILE:HG22	1:244:B:ILE:HB	2	0.19
(3,1198)	1:244:B:ILE:HG22	1:244:B:ILE:HB	3	0.19
(3,1198)	1:244:B:ILE:HG22	1:244:B:ILE:HB	5	0.19
(3,1198)	1:244:B:ILE:HG23	1:244:B:ILE:HB	6	0.19
(3,1198)	1:244:B:ILE:HG23	1:244:B:ILE:HB	10	0.19
(3,1198)	1:244:B:ILE:HG21	1:244:B:ILE:HB	12	0.19
(3,1198)	1:244:B:ILE:HG21	1:244:B:ILE:HB	13	0.19
(3,1198)	1:244:B:ILE:HG22	1:244:B:ILE:HB	18	0.19
(3,1198)	1:244:B:ILE:HG22	1:244:B:ILE:HB	19	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1198)	1:244:B:ILE:HG22	1:244:B:ILE:HB	20	0.19
(3,1197)	1:244:A:ILE:HG22	1:244:A:ILE:HB	1	0.19
(3,1197)	1:244:A:ILE:HG22	1:244:A:ILE:HB	2	0.19
(3,1197)	1:244:A:ILE:HG22	1:244:A:ILE:HB	3	0.19
(3,1197)	1:244:A:ILE:HG22	1:244:A:ILE:HB	5	0.19
(3,1197)	1:244:A:ILE:HG23	1:244:A:ILE:HB	6	0.19
(3,1197)	1:244:A:ILE:HG21	1:244:A:ILE:HB	7	0.19
(3,1197)	1:244:A:ILE:HG23	1:244:A:ILE:HB	10	0.19
(3,1197)	1:244:A:ILE:HG22	1:244:A:ILE:HB	11	0.19
(3,1197)	1:244:A:ILE:HG21	1:244:A:ILE:HB	12	0.19
(3,1197)	1:244:A:ILE:HG21	1:244:A:ILE:HB	13	0.19
(3,1197)	1:244:A:ILE:HG22	1:244:A:ILE:HB	18	0.19
(3,1197)	1:244:A:ILE:HG22	1:244:A:ILE:HB	20	0.19
(3,1191)	1:247:A:ASP:HB3	1:244:A:ILE:HA	3	0.19
(3,1129)	1:237:A:VAL:HG21	1:238:A:GLN:H	7	0.19
(3,1034)	1:249:B:VAL:HG13	1:250:B:LYS:H	18	0.19
(3,967)	1:218:A:GLN:HG2	1:218:A:GLN:H	14	0.19
(3,954)	1:266:B:GLN:HA	1:266:B:GLN:HG3	17	0.19
(3,954)	1:266:B:GLN:HA	1:266:B:GLN:HG3	19	0.19
(3,790)	1:224:B:GLU:HA	1:224:B:GLU:HG3	18	0.19
(3,789)	1:224:A:GLU:HA	1:224:A:GLU:HG3	18	0.19
(3,742)	1:226:B:GLU:HG3	1:227:A:ALA:HB2	1	0.19
(3,741)	1:226:A:GLU:HG3	1:227:B:ALA:HB2	1	0.19
(3,718)	1:234:B:ASN:HB3	1:231:B:GLN:HA	1	0.19
(3,517)	1:251:A:MET:HG3	1:251:A:MET:HE1	2	0.19
(3,22)	1:244:B:ILE:HD12	1:244:A:ILE:HG22	2	0.19
(3,22)	1:244:B:ILE:HD12	1:244:A:ILE:HG23	17	0.19
(3,21)	1:244:A:ILE:HD13	1:244:B:ILE:HG22	7	0.19
(3,21)	1:244:A:ILE:HD12	1:244:B:ILE:HG23	17	0.19
(1,2258)	1:263:B:SER:HB2	1:263:B:SER:H	3	0.19
(1,2258)	1:263:B:SER:HB2	1:263:B:SER:H	10	0.19
(1,2258)	1:263:B:SER:HB2	1:263:B:SER:H	18	0.19
(1,2257)	1:263:A:SER:HB2	1:263:A:SER:H	3	0.19
(1,2257)	1:263:A:SER:HB2	1:263:A:SER:H	10	0.19
(1,2257)	1:263:A:SER:HB2	1:263:A:SER:H	11	0.19
(1,2257)	1:263:A:SER:HB2	1:263:A:SER:H	20	0.19
(1,2217)	1:258:A:LEU:HD23	1:261:B:GLU:HB2	2	0.19
(1,2188)	1:252:B:LYS:HG2	1:256:B:GLU:HG2	10	0.19
(1,2188)	1:252:B:LYS:HG2	1:256:B:GLU:HG3	15	0.19
(1,2040)	1:250:B:LYS:HE3	1:250:B:LYS:HB2	4	0.19
(1,2040)	1:250:B:LYS:HE2	1:250:B:LYS:HB2	20	0.19
(1,2039)	1:250:A:LYS:HE3	1:250:A:LYS:HB2	4	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1975)	1:249:A:VAL:HG22	1:252:A:LYS:HE2	17	0.19
(1,1908)	1:228:B:LYS:HE3	1:228:B:LYS:HD2	6	0.19
(1,1907)	1:228:A:LYS:HE3	1:228:A:LYS:HD2	6	0.19
(1,1834)	1:244:B:ILE:HD12	1:240:B:ARG:HD2	13	0.19
(1,1833)	1:244:A:ILE:HD12	1:240:A:ARG:HD2	13	0.19
(1,1832)	1:240:B:ARG:HD2	1:241:A:LEU:HD12	9	0.19
(1,1831)	1:240:A:ARG:HD2	1:241:B:LEU:HD12	9	0.19
(1,1802)	1:243:B:ARG:HD3	1:239:B:GLU:HB3	19	0.19
(1,1792)	1:244:B:ILE:HG21	1:243:B:ARG:HB2	17	0.19
(1,1791)	1:244:A:ILE:HG21	1:243:A:ARG:HB2	17	0.19
(1,1736)	1:259:B:ARG:HD2	1:260:B:THR:HG22	20	0.19
(1,1506)	1:230:B:LEU:HD21	1:230:B:LEU:HB2	2	0.19
(1,1506)	1:230:B:LEU:HD22	1:230:B:LEU:HB2	8	0.19
(1,1505)	1:230:A:LEU:HD21	1:230:A:LEU:HB2	2	0.19
(1,1505)	1:230:A:LEU:HD23	1:230:A:LEU:HB2	3	0.19
(1,1505)	1:230:A:LEU:HD21	1:230:A:LEU:HB2	7	0.19
(1,1505)	1:230:A:LEU:HD22	1:230:A:LEU:HB2	8	0.19
(1,1505)	1:230:A:LEU:HD22	1:230:A:LEU:HB2	9	0.19
(1,1505)	1:230:A:LEU:HD22	1:230:A:LEU:HB2	11	0.19
(1,1367)	1:262:A:LEU:HB2	1:262:B:LEU:HD21	7	0.19
(1,1314)	1:269:B:LEU:HG	1:270:B:ARG:HE	2	0.19
(1,1313)	1:269:A:LEU:HG	1:270:A:ARG:HE	2	0.19
(1,1244)	1:220:B:ILE:HD13	1:223:A:LEU:HB2	18	0.19
(1,1236)	1:220:B:ILE:HD13	1:220:B:ILE:HG13	4	0.19
(1,1236)	1:220:B:ILE:HD13	1:220:B:ILE:HG13	9	0.19
(1,1235)	1:220:A:ILE:HD12	1:220:A:ILE:HG13	1	0.19
(1,1235)	1:220:A:ILE:HD13	1:220:A:ILE:HG13	9	0.19
(1,1172)	1:225:B:VAL:HG23	1:228:B:LYS:HD2	5	0.19
(1,1166)	1:225:B:VAL:HG21	1:222:B:SER:HB3	8	0.19
(1,1152)	1:237:B:VAL:HG11	1:233:A:PHE:HZ	20	0.19
(1,1149)	1:237:A:VAL:HG13	1:233:B:PHE:HE1	19	0.19
(1,1112)	1:249:B:VAL:HG11	1:252:B:LYS:HB2	1	0.19
(1,1111)	1:249:A:VAL:HG11	1:252:A:LYS:HB2	1	0.19
(1,1021)	1:266:A:GLN:HG3	1:262:A:LEU:HD11	5	0.19
(1,947)	1:273:A:GLN:HA	1:269:A:LEU:HD21	15	0.19
(1,876)	1:223:B:LEU:HA	1:228:A:LYS:HG3	9	0.19
(1,757)	1:256:A:GLU:HG2	1:252:A:LYS:HE3	10	0.19
(1,572)	1:257:B:THR:HG22	1:254:B:ASN:HD22	7	0.19
(1,571)	1:257:A:THR:HG22	1:254:A:ASN:HD22	7	0.19
(1,536)	1:251:B:MET:HE3	1:249:A:VAL:H	9	0.19
(1,536)	1:251:B:MET:HE2	1:249:A:VAL:H	16	0.19
(1,535)	1:251:A:MET:HE3	1:249:B:VAL:H	9	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,530)	1:251:B:MET:HE2	1:248:B:PHE:H	18	0.19
(1,407)	1:234:A:ASN:HB3	1:233:B:PHE:HZ	13	0.19
(1,407)	1:234:A:ASN:HB3	1:233:B:PHE:HZ	14	0.19
(1,348)	1:227:B:ALA:HB2	1:230:A:LEU:HG	15	0.19
(1,347)	1:227:A:ALA:HB1	1:230:B:LEU:HG	5	0.19
(1,347)	1:227:A:ALA:HB3	1:230:B:LEU:HG	7	0.19
(1,324)	1:227:B:ALA:HB1	1:227:B:ALA:H	15	0.19
(1,323)	1:227:A:ALA:HB1	1:227:A:ALA:H	15	0.19
(1,186)	1:269:B:LEU:HD11	1:273:A:GLN:HE22	2	0.19
(1,110)	1:255:B:PHE:HZ	1:258:A:LEU:HD21	4	0.19
(3,2530)	1:269:B:LEU:HA	1:269:B:LEU:H	1	0.18
(3,2530)	1:269:B:LEU:HA	1:269:B:LEU:H	3	0.18
(3,2530)	1:269:B:LEU:HA	1:269:B:LEU:H	10	0.18
(3,2530)	1:269:B:LEU:HA	1:269:B:LEU:H	13	0.18
(3,2530)	1:269:B:LEU:HA	1:269:B:LEU:H	14	0.18
(3,2530)	1:269:B:LEU:HA	1:269:B:LEU:H	17	0.18
(3,2530)	1:269:B:LEU:HA	1:269:B:LEU:H	18	0.18
(3,2530)	1:269:B:LEU:HA	1:269:B:LEU:H	19	0.18
(3,2530)	1:269:B:LEU:HA	1:269:B:LEU:H	20	0.18
(3,2529)	1:269:A:LEU:HA	1:269:A:LEU:H	1	0.18
(3,2529)	1:269:A:LEU:HA	1:269:A:LEU:H	3	0.18
(3,2529)	1:269:A:LEU:HA	1:269:A:LEU:H	10	0.18
(3,2529)	1:269:A:LEU:HA	1:269:A:LEU:H	13	0.18
(3,2529)	1:269:A:LEU:HA	1:269:A:LEU:H	14	0.18
(3,2529)	1:269:A:LEU:HA	1:269:A:LEU:H	17	0.18
(3,2529)	1:269:A:LEU:HA	1:269:A:LEU:H	18	0.18
(3,2529)	1:269:A:LEU:HA	1:269:A:LEU:H	19	0.18
(3,2505)	1:244:A:ILE:HG12	1:244:A:ILE:H	3	0.18
(3,2136)	1:246:B:ASP:HB3	1:246:B:ASP:H	16	0.18
(3,2136)	1:246:B:ASP:HB3	1:246:B:ASP:H	20	0.18
(3,2135)	1:246:A:ASP:HB3	1:246:A:ASP:H	16	0.18
(3,2135)	1:246:A:ASP:HB3	1:246:A:ASP:H	19	0.18
(3,2114)	1:273:B:GLN:HA	1:274:B:ASP:H	19	0.18
(3,2113)	1:273:A:GLN:HA	1:274:A:ASP:H	19	0.18
(3,2056)	1:211:B:ALA:HA	1:211:B:ALA:H	1	0.18
(3,2056)	1:211:B:ALA:HA	1:211:B:ALA:H	4	0.18
(3,2056)	1:211:B:ALA:HA	1:211:B:ALA:H	8	0.18
(3,2056)	1:211:B:ALA:HA	1:211:B:ALA:H	9	0.18
(3,2056)	1:211:B:ALA:HA	1:211:B:ALA:H	10	0.18
(3,2056)	1:211:B:ALA:HA	1:211:B:ALA:H	12	0.18
(3,2056)	1:211:B:ALA:HA	1:211:B:ALA:H	15	0.18
(3,2056)	1:211:B:ALA:HA	1:211:B:ALA:H	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2055)	1:211:A:ALA:HA	1:211:A:ALA:H	1	0.18
(3,2055)	1:211:A:ALA:HA	1:211:A:ALA:H	4	0.18
(3,2055)	1:211:A:ALA:HA	1:211:A:ALA:H	8	0.18
(3,2055)	1:211:A:ALA:HA	1:211:A:ALA:H	9	0.18
(3,2055)	1:211:A:ALA:HA	1:211:A:ALA:H	10	0.18
(3,2055)	1:211:A:ALA:HA	1:211:A:ALA:H	12	0.18
(3,2055)	1:211:A:ALA:HA	1:211:A:ALA:H	15	0.18
(3,2055)	1:211:A:ALA:HA	1:211:A:ALA:H	16	0.18
(3,2038)	1:227:B:ALA:H	1:228:B:LYS:H	1	0.18
(3,2038)	1:227:B:ALA:H	1:228:B:LYS:H	3	0.18
(3,2038)	1:227:B:ALA:H	1:228:B:LYS:H	5	0.18
(3,2038)	1:227:B:ALA:H	1:228:B:LYS:H	6	0.18
(3,2038)	1:227:B:ALA:H	1:228:B:LYS:H	10	0.18
(3,2038)	1:227:B:ALA:H	1:228:B:LYS:H	11	0.18
(3,2038)	1:227:B:ALA:H	1:228:B:LYS:H	16	0.18
(3,2038)	1:227:B:ALA:H	1:228:B:LYS:H	19	0.18
(3,2037)	1:227:A:ALA:H	1:228:A:LYS:H	1	0.18
(3,2037)	1:227:A:ALA:H	1:228:A:LYS:H	3	0.18
(3,2037)	1:227:A:ALA:H	1:228:A:LYS:H	5	0.18
(3,2037)	1:227:A:ALA:H	1:228:A:LYS:H	6	0.18
(3,2037)	1:227:A:ALA:H	1:228:A:LYS:H	10	0.18
(3,2037)	1:227:A:ALA:H	1:228:A:LYS:H	11	0.18
(3,2037)	1:227:A:ALA:H	1:228:A:LYS:H	16	0.18
(3,2037)	1:227:A:ALA:H	1:228:A:LYS:H	19	0.18
(3,2030)	1:265:B:ALA:H	1:264:B:GLU:HB2	15	0.18
(3,2029)	1:265:A:ALA:H	1:264:A:GLU:HB2	15	0.18
(3,1994)	1:259:B:ARG:HA	1:263:B:SER:H	5	0.18
(3,1994)	1:259:B:ARG:HA	1:263:B:SER:H	8	0.18
(3,1994)	1:259:B:ARG:HA	1:263:B:SER:H	9	0.18
(3,1994)	1:259:B:ARG:HA	1:263:B:SER:H	10	0.18
(3,1994)	1:259:B:ARG:HA	1:263:B:SER:H	11	0.18
(3,1994)	1:259:B:ARG:HA	1:263:B:SER:H	12	0.18
(3,1993)	1:259:A:ARG:HA	1:263:A:SER:H	5	0.18
(3,1993)	1:259:A:ARG:HA	1:263:A:SER:H	9	0.18
(3,1993)	1:259:A:ARG:HA	1:263:A:SER:H	11	0.18
(3,1993)	1:259:A:ARG:HA	1:263:A:SER:H	12	0.18
(3,1993)	1:259:A:ARG:HA	1:263:A:SER:H	16	0.18
(3,1993)	1:259:A:ARG:HA	1:263:A:SER:H	20	0.18
(3,1990)	1:263:B:SER:H	1:262:B:LEU:H	11	0.18
(3,1989)	1:263:A:SER:H	1:262:A:LEU:H	11	0.18
(3,1920)	1:210:B:LEU:HD13	1:207:B:ASP:HB2	14	0.18
(3,1866)	1:249:B:VAL:HG22	1:253:B:ASP:H	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1865)	1:249:A:VAL:HG23	1:253:A:ASP:H	10	0.18
(3,1865)	1:249:A:VAL:HG22	1:253:A:ASP:H	17	0.18
(3,1708)	1:225:B:VAL:HG11	1:229:B:ARG:HD2	19	0.18
(3,1684)	1:240:B:ARG:HG3	1:240:B:ARG:H	2	0.18
(3,1683)	1:240:A:ARG:HG3	1:240:A:ARG:H	2	0.18
(3,1620)	1:270:B:ARG:HA	1:273:B:GLN:HB3	18	0.18
(3,1448)	1:241:B:LEU:HD21	1:240:A:ARG:HD2	17	0.18
(3,1444)	1:241:B:LEU:HD22	1:240:A:ARG:HG2	11	0.18
(3,1434)	1:241:B:LEU:HD11	1:237:B:VAL:HG11	2	0.18
(3,1402)	1:257:B:THR:HG21	1:258:B:LEU:HD13	3	0.18
(3,1401)	1:257:A:THR:HG21	1:258:A:LEU:HD13	3	0.18
(3,1401)	1:257:A:THR:HG22	1:258:A:LEU:HD11	14	0.18
(3,1398)	1:258:B:LEU:HD21	1:258:B:LEU:HB2	3	0.18
(3,1397)	1:258:A:LEU:HD21	1:258:A:LEU:HB2	3	0.18
(3,1297)	1:269:A:LEU:HD23	1:273:A:GLN:HE22	1	0.18
(3,1270)	1:217:B:GLN:HA	1:220:B:ILE:HD11	2	0.18
(3,1269)	1:217:A:GLN:HA	1:220:A:ILE:HD11	2	0.18
(3,1266)	1:220:B:ILE:HG21	1:223:B:LEU:HB3	4	0.18
(3,1266)	1:220:B:ILE:HG23	1:223:B:LEU:HB3	7	0.18
(3,1266)	1:220:B:ILE:HG23	1:223:B:LEU:HB3	14	0.18
(3,1265)	1:220:A:ILE:HG23	1:223:A:LEU:HB3	7	0.18
(3,1265)	1:220:A:ILE:HG22	1:223:A:LEU:HB3	10	0.18
(3,1265)	1:220:A:ILE:HG21	1:223:A:LEU:HB3	11	0.18
(3,1264)	1:224:B:GLU:HB2	1:220:B:ILE:HG21	9	0.18
(3,1263)	1:224:A:GLU:HB2	1:220:A:ILE:HG21	9	0.18
(3,1198)	1:244:B:ILE:HG21	1:244:B:ILE:HB	7	0.18
(3,1198)	1:244:B:ILE:HG22	1:244:B:ILE:HB	8	0.18
(3,1198)	1:244:B:ILE:HG22	1:244:B:ILE:HB	11	0.18
(3,1198)	1:244:B:ILE:HG23	1:244:B:ILE:HB	15	0.18
(3,1197)	1:244:A:ILE:HG22	1:244:A:ILE:HB	8	0.18
(3,1197)	1:244:A:ILE:HG23	1:244:A:ILE:HB	15	0.18
(3,1174)	1:222:B:SER:HA	1:225:B:VAL:HG23	12	0.18
(3,1130)	1:237:B:VAL:HG23	1:238:B:GLN:H	2	0.18
(3,1130)	1:237:B:VAL:HG21	1:238:B:GLN:H	7	0.18
(3,1130)	1:237:B:VAL:HG21	1:238:B:GLN:H	14	0.18
(3,1129)	1:237:A:VAL:HG23	1:238:A:GLN:H	2	0.18
(3,1129)	1:237:A:VAL:HG21	1:238:A:GLN:H	14	0.18
(3,1035)	1:249:A:VAL:HG13	1:249:A:VAL:H	18	0.18
(3,968)	1:218:B:GLN:HG2	1:218:B:GLN:H	14	0.18
(3,954)	1:266:B:GLN:HA	1:266:B:GLN:HG3	8	0.18
(3,953)	1:266:A:GLN:HA	1:266:A:GLN:HG3	8	0.18
(3,953)	1:266:A:GLN:HA	1:266:A:GLN:HG3	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,953)	1:266:A:GLN:HA	1:266:A:GLN:HG3	19	0.18
(3,940)	1:266:B:GLN:HG3	1:262:B:LEU:HG	10	0.18
(3,718)	1:234:B:ASN:HB3	1:231:B:GLN:HA	11	0.18
(3,625)	1:253:A:ASP:HB2	1:250:A:LYS:HA	8	0.18
(3,518)	1:251:B:MET:HG3	1:251:B:MET:HE1	2	0.18
(3,518)	1:251:B:MET:HG3	1:251:B:MET:HE3	17	0.18
(3,517)	1:251:A:MET:HG3	1:251:A:MET:HE3	17	0.18
(3,304)	1:265:B:ALA:HB2	1:262:B:LEU:HB2	10	0.18
(3,185)	1:262:A:LEU:HD13	1:254:B:ASN:HD21	3	0.18
(3,180)	1:255:B:PHE:HE2	1:258:A:LEU:HD21	2	0.18
(3,22)	1:244:B:ILE:HD13	1:244:A:ILE:HG22	7	0.18
(1,2258)	1:263:B:SER:HB2	1:263:B:SER:H	11	0.18
(1,2257)	1:263:A:SER:HB2	1:263:A:SER:H	4	0.18
(1,2257)	1:263:A:SER:HB2	1:263:A:SER:H	12	0.18
(1,2257)	1:263:A:SER:HB2	1:263:A:SER:H	18	0.18
(1,2190)	1:256:B:GLU:HG2	1:258:A:LEU:HD23	3	0.18
(1,2187)	1:252:A:LYS:HG2	1:256:A:GLU:HG2	10	0.18
(1,2039)	1:250:A:LYS:HE2	1:250:A:LYS:HB2	20	0.18
(1,1832)	1:240:B:ARG:HD2	1:241:A:LEU:HD13	20	0.18
(1,1801)	1:243:A:ARG:HD3	1:239:A:GLU:HB3	19	0.18
(1,1735)	1:259:A:ARG:HD2	1:260:A:THR:HG22	20	0.18
(1,1650)	1:267:B:GLN:HB3	1:271:B:ARG:HG3	17	0.18
(1,1649)	1:267:A:GLN:HB3	1:271:A:ARG:HG3	17	0.18
(1,1618)	1:267:B:GLN:HA	1:270:B:ARG:HB3	8	0.18
(1,1618)	1:267:B:GLN:HA	1:270:B:ARG:HB3	14	0.18
(1,1617)	1:267:A:GLN:HA	1:270:A:ARG:HB3	8	0.18
(1,1617)	1:267:A:GLN:HA	1:270:A:ARG:HB3	14	0.18
(1,1548)	1:223:B:LEU:HD11	1:220:A:ILE:HG12	17	0.18
(1,1529)	1:223:A:LEU:HD23	1:227:A:ALA:H	14	0.18
(1,1506)	1:230:B:LEU:HD22	1:230:B:LEU:HB2	1	0.18
(1,1506)	1:230:B:LEU:HD23	1:230:B:LEU:HB2	4	0.18
(1,1506)	1:230:B:LEU:HD21	1:230:B:LEU:HB2	6	0.18
(1,1506)	1:230:B:LEU:HD21	1:230:B:LEU:HB2	7	0.18
(1,1506)	1:230:B:LEU:HD22	1:230:B:LEU:HB2	9	0.18
(1,1506)	1:230:B:LEU:HD22	1:230:B:LEU:HB2	10	0.18
(1,1506)	1:230:B:LEU:HD22	1:230:B:LEU:HB2	11	0.18
(1,1506)	1:230:B:LEU:HD21	1:230:B:LEU:HB2	19	0.18
(1,1505)	1:230:A:LEU:HD22	1:230:A:LEU:HB2	1	0.18
(1,1505)	1:230:A:LEU:HD23	1:230:A:LEU:HB2	4	0.18
(1,1505)	1:230:A:LEU:HD22	1:230:A:LEU:HB2	10	0.18
(1,1505)	1:230:A:LEU:HD21	1:230:A:LEU:HB2	19	0.18
(1,1372)	1:262:B:LEU:HB2	1:262:B:LEU:HB3	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1372)	1:262:B:LEU:HB2	1:262:B:LEU:HB3	2	0.18
(1,1372)	1:262:B:LEU:HB2	1:262:B:LEU:HB3	3	0.18
(1,1372)	1:262:B:LEU:HB2	1:262:B:LEU:HB3	4	0.18
(1,1372)	1:262:B:LEU:HB2	1:262:B:LEU:HB3	5	0.18
(1,1372)	1:262:B:LEU:HB2	1:262:B:LEU:HB3	6	0.18
(1,1372)	1:262:B:LEU:HB2	1:262:B:LEU:HB3	7	0.18
(1,1372)	1:262:B:LEU:HB2	1:262:B:LEU:HB3	8	0.18
(1,1372)	1:262:B:LEU:HB2	1:262:B:LEU:HB3	9	0.18
(1,1372)	1:262:B:LEU:HB2	1:262:B:LEU:HB3	12	0.18
(1,1372)	1:262:B:LEU:HB2	1:262:B:LEU:HB3	13	0.18
(1,1372)	1:262:B:LEU:HB2	1:262:B:LEU:HB3	14	0.18
(1,1372)	1:262:B:LEU:HB2	1:262:B:LEU:HB3	15	0.18
(1,1372)	1:262:B:LEU:HB2	1:262:B:LEU:HB3	16	0.18
(1,1372)	1:262:B:LEU:HB2	1:262:B:LEU:HB3	18	0.18
(1,1372)	1:262:B:LEU:HB2	1:262:B:LEU:HB3	20	0.18
(1,1371)	1:262:A:LEU:HB2	1:262:A:LEU:HB3	1	0.18
(1,1371)	1:262:A:LEU:HB2	1:262:A:LEU:HB3	2	0.18
(1,1371)	1:262:A:LEU:HB2	1:262:A:LEU:HB3	3	0.18
(1,1371)	1:262:A:LEU:HB2	1:262:A:LEU:HB3	4	0.18
(1,1371)	1:262:A:LEU:HB2	1:262:A:LEU:HB3	5	0.18
(1,1371)	1:262:A:LEU:HB2	1:262:A:LEU:HB3	6	0.18
(1,1371)	1:262:A:LEU:HB2	1:262:A:LEU:HB3	7	0.18
(1,1371)	1:262:A:LEU:HB2	1:262:A:LEU:HB3	8	0.18
(1,1371)	1:262:A:LEU:HB2	1:262:A:LEU:HB3	9	0.18
(1,1371)	1:262:A:LEU:HB2	1:262:A:LEU:HB3	12	0.18
(1,1371)	1:262:A:LEU:HB2	1:262:A:LEU:HB3	13	0.18
(1,1371)	1:262:A:LEU:HB2	1:262:A:LEU:HB3	14	0.18
(1,1371)	1:262:A:LEU:HB2	1:262:A:LEU:HB3	15	0.18
(1,1371)	1:262:A:LEU:HB2	1:262:A:LEU:HB3	16	0.18
(1,1371)	1:262:A:LEU:HB2	1:262:A:LEU:HB3	18	0.18
(1,1371)	1:262:A:LEU:HB2	1:262:A:LEU:HB3	20	0.18
(1,1355)	1:269:A:LEU:HD11	1:268:B:LYS:HE3	8	0.18
(1,1352)	1:259:B:ARG:HA	1:262:B:LEU:HD23	10	0.18
(1,1351)	1:259:A:ARG:HA	1:262:A:LEU:HD22	16	0.18
(1,1296)	1:216:B:LEU:HD13	1:218:A:GLN:H	20	0.18
(1,1236)	1:220:B:ILE:HD11	1:220:B:ILE:HG13	8	0.18
(1,1236)	1:220:B:ILE:HD12	1:220:B:ILE:HG13	10	0.18
(1,1236)	1:220:B:ILE:HD11	1:220:B:ILE:HG13	13	0.18
(1,1236)	1:220:B:ILE:HD11	1:220:B:ILE:HG13	14	0.18
(1,1236)	1:220:B:ILE:HD12	1:220:B:ILE:HG13	16	0.18
(1,1235)	1:220:A:ILE:HD13	1:220:A:ILE:HG13	4	0.18
(1,1235)	1:220:A:ILE:HD12	1:220:A:ILE:HG13	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1235)	1:220:A:ILE:HD11	1:220:A:ILE:HG13	13	0.18
(1,1235)	1:220:A:ILE:HD11	1:220:A:ILE:HG13	14	0.18
(1,1235)	1:220:A:ILE:HD12	1:220:A:ILE:HG13	16	0.18
(1,1171)	1:225:A:VAL:HG23	1:228:A:LYS:HD2	5	0.18
(1,1152)	1:237:B:VAL:HG11	1:233:A:PHE:HZ	10	0.18
(1,1150)	1:237:B:VAL:HG13	1:233:A:PHE:HE1	19	0.18
(1,1124)	1:237:B:VAL:HG11	1:235:B:GLU:HB2	19	0.18
(1,1022)	1:266:B:GLN:HG3	1:262:B:LEU:HD11	5	0.18
(1,948)	1:273:B:GLN:HA	1:269:B:LEU:HD21	15	0.18
(1,768)	1:256:B:GLU:HG3	1:252:B:LYS:HG3	5	0.18
(1,758)	1:256:B:GLU:HG2	1:252:B:LYS:HE3	10	0.18
(1,642)	1:264:B:GLU:HB2	1:269:A:LEU:HD12	4	0.18
(1,642)	1:264:B:GLU:HB2	1:269:A:LEU:HD11	8	0.18
(1,529)	1:251:A:MET:HE2	1:248:A:PHE:H	18	0.18
(1,527)	1:251:A:MET:HE3	1:248:B:PHE:HE1	8	0.18
(1,408)	1:234:B:ASN:HB3	1:233:A:PHE:HZ	13	0.18
(1,370)	1:221:B:ASN:HB3	1:224:B:GLU:HB3	10	0.18
(1,369)	1:221:A:ASN:HB3	1:224:A:GLU:HB3	10	0.18
(1,348)	1:227:B:ALA:HB1	1:230:A:LEU:HG	5	0.18
(1,347)	1:227:A:ALA:HB1	1:230:B:LEU:HG	3	0.18
(1,204)	1:255:B:PHE:HZ	1:259:B:ARG:HG2	5	0.18
(1,185)	1:269:A:LEU:HD11	1:273:B:GLN:HE22	2	0.18
(3,2740)	1:271:B:ARG:H	1:269:B:LEU:HA	19	0.17
(3,2739)	1:271:A:ARG:H	1:269:A:LEU:HA	19	0.17
(3,2530)	1:269:B:LEU:HA	1:269:B:LEU:H	4	0.17
(3,2530)	1:269:B:LEU:HA	1:269:B:LEU:H	7	0.17
(3,2530)	1:269:B:LEU:HA	1:269:B:LEU:H	8	0.17
(3,2530)	1:269:B:LEU:HA	1:269:B:LEU:H	9	0.17
(3,2530)	1:269:B:LEU:HA	1:269:B:LEU:H	12	0.17
(3,2530)	1:269:B:LEU:HA	1:269:B:LEU:H	15	0.17
(3,2529)	1:269:A:LEU:HA	1:269:A:LEU:H	4	0.17
(3,2529)	1:269:A:LEU:HA	1:269:A:LEU:H	7	0.17
(3,2529)	1:269:A:LEU:HA	1:269:A:LEU:H	8	0.17
(3,2529)	1:269:A:LEU:HA	1:269:A:LEU:H	9	0.17
(3,2529)	1:269:A:LEU:HA	1:269:A:LEU:H	12	0.17
(3,2529)	1:269:A:LEU:HA	1:269:A:LEU:H	15	0.17
(3,2506)	1:244:B:ILE:HG12	1:244:B:ILE:H	2	0.17
(3,2505)	1:244:A:ILE:HG12	1:244:A:ILE:H	2	0.17
(3,2136)	1:246:B:ASP:HB3	1:246:B:ASP:H	6	0.17
(3,2136)	1:246:B:ASP:HB3	1:246:B:ASP:H	19	0.17
(3,2135)	1:246:A:ASP:HB3	1:246:A:ASP:H	20	0.17
(3,2056)	1:211:B:ALA:HA	1:211:B:ALA:H	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2056)	1:211:B:ALA:HA	1:211:B:ALA:H	5	0.17
(3,2056)	1:211:B:ALA:HA	1:211:B:ALA:H	13	0.17
(3,2056)	1:211:B:ALA:HA	1:211:B:ALA:H	14	0.17
(3,2056)	1:211:B:ALA:HA	1:211:B:ALA:H	17	0.17
(3,2056)	1:211:B:ALA:HA	1:211:B:ALA:H	20	0.17
(3,2055)	1:211:A:ALA:HA	1:211:A:ALA:H	2	0.17
(3,2055)	1:211:A:ALA:HA	1:211:A:ALA:H	5	0.17
(3,2055)	1:211:A:ALA:HA	1:211:A:ALA:H	6	0.17
(3,2055)	1:211:A:ALA:HA	1:211:A:ALA:H	13	0.17
(3,2055)	1:211:A:ALA:HA	1:211:A:ALA:H	17	0.17
(3,2055)	1:211:A:ALA:HA	1:211:A:ALA:H	20	0.17
(3,2038)	1:227:B:ALA:H	1:228:B:LYS:H	15	0.17
(3,1995)	1:262:A:LEU:HB2	1:263:A:SER:H	11	0.17
(3,1994)	1:259:B:ARG:HA	1:263:B:SER:H	14	0.17
(3,1994)	1:259:B:ARG:HA	1:263:B:SER:H	16	0.17
(3,1994)	1:259:B:ARG:HA	1:263:B:SER:H	20	0.17
(3,1993)	1:259:A:ARG:HA	1:263:A:SER:H	8	0.17
(3,1993)	1:259:A:ARG:HA	1:263:A:SER:H	10	0.17
(3,1949)	1:216:A:LEU:HD12	1:217:B:GLN:HA	3	0.17
(3,1917)	1:216:A:LEU:HD21	1:217:B:GLN:HE21	14	0.17
(3,1866)	1:249:B:VAL:HG22	1:253:B:ASP:H	6	0.17
(3,1866)	1:249:B:VAL:HG23	1:253:B:ASP:H	10	0.17
(3,1865)	1:249:A:VAL:HG22	1:253:A:ASP:H	6	0.17
(3,1846)	1:228:B:LYS:HG3	1:225:B:VAL:HA	16	0.17
(3,1845)	1:228:A:LYS:HG3	1:225:A:VAL:HA	16	0.17
(3,1684)	1:240:B:ARG:HG3	1:240:B:ARG:H	4	0.17
(3,1684)	1:240:B:ARG:HG3	1:240:B:ARG:H	16	0.17
(3,1683)	1:240:A:ARG:HG3	1:240:A:ARG:H	16	0.17
(3,1619)	1:270:A:ARG:HA	1:273:A:GLN:HB3	18	0.17
(3,1538)	1:223:B:LEU:HB3	1:223:A:LEU:HD12	11	0.17
(3,1538)	1:223:B:LEU:HB3	1:223:A:LEU:HD12	13	0.17
(3,1538)	1:223:B:LEU:HB3	1:223:A:LEU:HD13	14	0.17
(3,1538)	1:223:B:LEU:HB3	1:223:A:LEU:HD11	15	0.17
(3,1538)	1:223:B:LEU:HB3	1:223:A:LEU:HD13	16	0.17
(3,1537)	1:223:A:LEU:HB3	1:223:B:LEU:HD11	2	0.17
(3,1537)	1:223:A:LEU:HB3	1:223:B:LEU:HD12	5	0.17
(3,1537)	1:223:A:LEU:HB3	1:223:B:LEU:HD11	10	0.17
(3,1537)	1:223:A:LEU:HB3	1:223:B:LEU:HD13	14	0.17
(3,1537)	1:223:A:LEU:HB3	1:223:B:LEU:HD13	20	0.17
(3,1466)	1:241:B:LEU:HD22	1:245:B:THR:H	7	0.17
(3,1465)	1:241:A:LEU:HD22	1:245:A:THR:H	7	0.17
(3,1443)	1:241:A:LEU:HD23	1:240:B:ARG:HG2	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1434)	1:241:B:LEU:HD12	1:237:B:VAL:HG12	4	0.17
(3,1434)	1:241:B:LEU:HD11	1:237:B:VAL:HG11	9	0.17
(3,1434)	1:241:B:LEU:HD13	1:237:B:VAL:HG11	11	0.17
(3,1434)	1:241:B:LEU:HD11	1:237:B:VAL:HG13	12	0.17
(3,1434)	1:241:B:LEU:HD13	1:237:B:VAL:HG13	19	0.17
(3,1433)	1:241:A:LEU:HD11	1:237:A:VAL:HG11	2	0.17
(3,1433)	1:241:A:LEU:HD12	1:237:A:VAL:HG12	4	0.17
(3,1433)	1:241:A:LEU:HD12	1:237:A:VAL:HG11	7	0.17
(3,1433)	1:241:A:LEU:HD11	1:237:A:VAL:HG11	9	0.17
(3,1433)	1:241:A:LEU:HD13	1:237:A:VAL:HG11	10	0.17
(3,1433)	1:241:A:LEU:HD13	1:237:A:VAL:HG11	11	0.17
(3,1433)	1:241:A:LEU:HD11	1:237:A:VAL:HG13	12	0.17
(3,1433)	1:241:A:LEU:HD13	1:237:A:VAL:HG12	17	0.17
(3,1433)	1:241:A:LEU:HD13	1:237:A:VAL:HG13	19	0.17
(3,1398)	1:258:B:LEU:HD22	1:258:B:LEU:HB2	1	0.17
(3,1398)	1:258:B:LEU:HD21	1:258:B:LEU:HB2	2	0.17
(3,1398)	1:258:B:LEU:HD21	1:258:B:LEU:HB2	6	0.17
(3,1398)	1:258:B:LEU:HD21	1:258:B:LEU:HB2	8	0.17
(3,1398)	1:258:B:LEU:HD23	1:258:B:LEU:HB2	9	0.17
(3,1398)	1:258:B:LEU:HD22	1:258:B:LEU:HB2	20	0.17
(3,1397)	1:258:A:LEU:HD22	1:258:A:LEU:HB2	1	0.17
(3,1397)	1:258:A:LEU:HD21	1:258:A:LEU:HB2	2	0.17
(3,1397)	1:258:A:LEU:HD21	1:258:A:LEU:HB2	6	0.17
(3,1397)	1:258:A:LEU:HD21	1:258:A:LEU:HB2	8	0.17
(3,1397)	1:258:A:LEU:HD23	1:258:A:LEU:HB2	9	0.17
(3,1397)	1:258:A:LEU:HD22	1:258:A:LEU:HB2	20	0.17
(3,1390)	1:258:B:LEU:HD23	1:259:A:ARG:HA	11	0.17
(3,1271)	1:217:A:GLN:HA	1:220:A:ILE:HG23	16	0.17
(3,1266)	1:220:B:ILE:HG22	1:223:B:LEU:HB3	20	0.17
(3,1265)	1:220:A:ILE:HG23	1:223:A:LEU:HB3	14	0.17
(3,1265)	1:220:A:ILE:HG22	1:223:A:LEU:HB3	20	0.17
(3,1264)	1:224:B:GLU:HB2	1:220:B:ILE:HG21	1	0.17
(3,1263)	1:224:A:GLU:HB2	1:220:A:ILE:HG21	1	0.17
(3,1173)	1:222:A:SER:HA	1:225:A:VAL:HG23	12	0.17
(3,1167)	1:225:A:VAL:HG21	1:221:A:ASN:HD21	18	0.17
(3,1130)	1:237:B:VAL:HG23	1:238:B:GLN:H	9	0.17
(3,1129)	1:237:A:VAL:HG23	1:238:A:GLN:H	9	0.17
(3,1036)	1:249:B:VAL:HG12	1:249:B:VAL:H	9	0.17
(3,1036)	1:249:B:VAL:HG13	1:249:B:VAL:H	18	0.17
(3,1035)	1:249:A:VAL:HG12	1:249:A:VAL:H	9	0.17
(3,1034)	1:249:B:VAL:HG13	1:250:B:LYS:H	2	0.17
(3,1034)	1:249:B:VAL:HG12	1:250:B:LYS:H	9	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1033)	1:249:A:VAL:HG13	1:250:A:LYS:H	2	0.17
(3,972)	1:238:B:GLN:HG3	1:233:A:PHE:HZ	4	0.17
(3,954)	1:266:B:GLN:HA	1:266:B:GLN:HG3	9	0.17
(3,953)	1:266:A:GLN:HA	1:266:A:GLN:HG3	9	0.17
(3,717)	1:234:A:ASN:HB3	1:231:A:GLN:HA	11	0.17
(3,626)	1:253:B:ASP:HB2	1:250:B:LYS:HA	8	0.17
(3,518)	1:251:B:MET:HG3	1:251:B:MET:HE2	5	0.17
(3,518)	1:251:B:MET:HG3	1:251:B:MET:HE3	6	0.17
(3,518)	1:251:B:MET:HG3	1:251:B:MET:HE1	16	0.17
(3,517)	1:251:A:MET:HG3	1:251:A:MET:HE1	16	0.17
(3,303)	1:265:A:ALA:HB2	1:262:A:LEU:HB2	10	0.17
(3,180)	1:255:B:PHE:HE1	1:258:A:LEU:HD21	17	0.17
(3,179)	1:255:A:PHE:HE1	1:258:B:LEU:HD21	17	0.17
(3,21)	1:244:A:ILE:HD12	1:244:B:ILE:HG22	2	0.17
(1,2294)	1:210:B:LEU:HD11	1:211:B:ALA:H	13	0.17
(1,2294)	1:210:B:LEU:HD11	1:211:B:ALA:H	14	0.17
(1,2293)	1:210:A:LEU:HD11	1:211:A:ALA:H	13	0.17
(1,2293)	1:210:A:LEU:HD11	1:211:A:ALA:H	14	0.17
(1,2276)	1:239:B:GLU:HA	1:242:B:ASP:H	5	0.17
(1,2258)	1:263:B:SER:HB2	1:263:B:SER:H	2	0.17
(1,2258)	1:263:B:SER:HB2	1:263:B:SER:H	4	0.17
(1,2258)	1:263:B:SER:HB2	1:263:B:SER:H	5	0.17
(1,2257)	1:263:A:SER:HB2	1:263:A:SER:H	2	0.17
(1,2037)	1:250:A:LYS:HE2	1:249:A:VAL:HA	8	0.17
(1,1978)	1:219:B:LYS:HE2	1:216:B:LEU:HD22	3	0.17
(1,1976)	1:249:B:VAL:HG22	1:252:B:LYS:HE2	17	0.17
(1,1834)	1:240:B:ARG:HD2	1:241:A:LEU:HD22	3	0.17
(1,1834)	1:244:B:ILE:HD11	1:240:B:ARG:HD2	12	0.17
(1,1833)	1:244:A:ILE:HD11	1:240:A:ARG:HD2	12	0.17
(1,1761)	1:259:A:ARG:HG2	1:258:B:LEU:HD22	3	0.17
(1,1628)	1:271:B:ARG:HD2	1:272:B:GLN:HG3	17	0.17
(1,1627)	1:271:A:ARG:HD2	1:272:A:GLN:HG3	17	0.17
(1,1617)	1:267:A:GLN:HA	1:270:A:ARG:HB3	12	0.17
(1,1588)	1:216:B:LEU:HB2	1:216:B:LEU:HD13	3	0.17
(1,1547)	1:223:A:LEU:HD13	1:220:B:ILE:HG12	3	0.17
(1,1530)	1:223:B:LEU:HD23	1:227:B:ALA:H	7	0.17
(1,1530)	1:223:B:LEU:HD23	1:227:B:ALA:H	14	0.17
(1,1529)	1:223:A:LEU:HD23	1:227:A:ALA:H	7	0.17
(1,1506)	1:230:B:LEU:HD23	1:230:B:LEU:HB2	13	0.17
(1,1506)	1:230:B:LEU:HD22	1:230:B:LEU:HB2	14	0.17
(1,1506)	1:230:B:LEU:HD21	1:230:B:LEU:HB2	16	0.17
(1,1506)	1:230:B:LEU:HD22	1:230:B:LEU:HB2	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1505)	1:230:A:LEU:HD21	1:230:A:LEU:HB2	6	0.17
(1,1505)	1:230:A:LEU:HD23	1:230:A:LEU:HB2	13	0.17
(1,1505)	1:230:A:LEU:HD22	1:230:A:LEU:HB2	14	0.17
(1,1505)	1:230:A:LEU:HD21	1:230:A:LEU:HB2	16	0.17
(1,1505)	1:230:A:LEU:HD22	1:230:A:LEU:HB2	17	0.17
(1,1429)	1:258:A:LEU:HD22	1:266:B:GLN:HG2	16	0.17
(1,1372)	1:262:B:LEU:HB2	1:262:B:LEU:HB3	10	0.17
(1,1372)	1:262:B:LEU:HB2	1:262:B:LEU:HB3	11	0.17
(1,1372)	1:262:B:LEU:HB2	1:262:B:LEU:HB3	17	0.17
(1,1372)	1:262:B:LEU:HB2	1:262:B:LEU:HB3	19	0.17
(1,1371)	1:262:A:LEU:HB2	1:262:A:LEU:HB3	10	0.17
(1,1371)	1:262:A:LEU:HB2	1:262:A:LEU:HB3	11	0.17
(1,1371)	1:262:A:LEU:HB2	1:262:A:LEU:HB3	17	0.17
(1,1371)	1:262:A:LEU:HB2	1:262:A:LEU:HB3	19	0.17
(1,1352)	1:259:B:ARG:HA	1:262:B:LEU:HD22	16	0.17
(1,1334)	1:269:B:LEU:HD22	1:268:A:LYS:HD2	2	0.17
(1,1334)	1:269:B:LEU:HD21	1:268:A:LYS:HD2	15	0.17
(1,1334)	1:269:B:LEU:HD23	1:268:A:LYS:HD2	19	0.17
(1,1333)	1:269:A:LEU:HD21	1:268:B:LYS:HD2	15	0.17
(1,1295)	1:216:A:LEU:HD13	1:218:B:GLN:H	20	0.17
(1,1242)	1:220:B:ILE:HG22	1:219:A:LYS:HE3	1	0.17
(1,1236)	1:220:B:ILE:HD12	1:220:B:ILE:HG13	15	0.17
(1,1236)	1:220:B:ILE:HD12	1:220:B:ILE:HG13	18	0.17
(1,1236)	1:220:B:ILE:HD11	1:220:B:ILE:HG13	20	0.17
(1,1235)	1:220:A:ILE:HD11	1:220:A:ILE:HG13	8	0.17
(1,1235)	1:220:A:ILE:HD12	1:220:A:ILE:HG13	15	0.17
(1,1198)	1:244:B:ILE:HD13	1:241:B:LEU:HA	2	0.17
(1,1197)	1:244:A:ILE:HD13	1:241:A:LEU:HA	2	0.17
(1,1166)	1:225:B:VAL:HG23	1:222:B:SER:HB3	10	0.17
(1,1165)	1:225:A:VAL:HG23	1:222:A:SER:HB3	7	0.17
(1,1165)	1:225:A:VAL:HG23	1:222:A:SER:HB3	10	0.17
(1,1123)	1:237:A:VAL:HG11	1:235:A:GLU:HB2	19	0.17
(1,1112)	1:249:B:VAL:HG11	1:252:B:LYS:HD3	13	0.17
(1,1112)	1:249:B:VAL:HG11	1:252:B:LYS:HB2	18	0.17
(1,1111)	1:249:A:VAL:HG11	1:252:A:LYS:HD3	13	0.17
(1,1021)	1:266:A:GLN:HG3	1:262:A:LEU:HD12	6	0.17
(1,970)	1:213:B:ASN:HB3	1:217:B:GLN:HG2	9	0.17
(1,969)	1:213:A:ASN:HB3	1:217:A:GLN:HG2	9	0.17
(1,767)	1:256:A:GLU:HG3	1:252:A:LYS:HG3	5	0.17
(1,766)	1:256:B:GLU:HG3	1:252:B:LYS:HB2	8	0.17
(1,765)	1:256:A:GLU:HG3	1:252:A:LYS:HB2	8	0.17
(1,763)	1:256:A:GLU:HG2	1:252:A:LYS:HB3	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,713)	1:212:A:GLU:HG3	1:208:A:ARG:HG3	13	0.17
(1,535)	1:251:A:MET:HE1	1:249:B:VAL:H	10	0.17
(1,535)	1:251:A:MET:HE2	1:249:B:VAL:H	14	0.17
(1,528)	1:251:B:MET:HE3	1:248:A:PHE:HE1	8	0.17
(1,203)	1:255:A:PHE:HZ	1:259:A:ARG:HG2	5	0.17
(1,109)	1:255:A:PHE:HZ	1:258:B:LEU:HD23	7	0.17
(1,25)	1:210:A:LEU:HD13	1:209:B:LEU:HA	12	0.17
(3,2530)	1:269:B:LEU:HA	1:269:B:LEU:H	5	0.16
(3,2529)	1:269:A:LEU:HA	1:269:A:LEU:H	5	0.16
(3,2135)	1:246:A:ASP:HB3	1:246:A:ASP:H	6	0.16
(3,2056)	1:211:B:ALA:HA	1:211:B:ALA:H	3	0.16
(3,2056)	1:211:B:ALA:HA	1:211:B:ALA:H	6	0.16
(3,2056)	1:211:B:ALA:HA	1:211:B:ALA:H	19	0.16
(3,2055)	1:211:A:ALA:HA	1:211:A:ALA:H	3	0.16
(3,2055)	1:211:A:ALA:HA	1:211:A:ALA:H	14	0.16
(3,2055)	1:211:A:ALA:HA	1:211:A:ALA:H	19	0.16
(3,2052)	1:230:B:LEU:HD12	1:227:B:ALA:H	15	0.16
(3,2051)	1:230:A:LEU:HD12	1:227:A:ALA:H	15	0.16
(3,2037)	1:227:A:ALA:H	1:228:A:LYS:H	15	0.16
(3,1996)	1:262:B:LEU:HB2	1:263:B:SER:H	11	0.16
(3,1994)	1:259:B:ARG:HA	1:263:B:SER:H	1	0.16
(3,1994)	1:259:B:ARG:HA	1:263:B:SER:H	2	0.16
(3,1994)	1:259:B:ARG:HA	1:263:B:SER:H	3	0.16
(3,1994)	1:259:B:ARG:HA	1:263:B:SER:H	13	0.16
(3,1994)	1:259:B:ARG:HA	1:263:B:SER:H	15	0.16
(3,1993)	1:259:A:ARG:HA	1:263:A:SER:H	1	0.16
(3,1993)	1:259:A:ARG:HA	1:263:A:SER:H	2	0.16
(3,1993)	1:259:A:ARG:HA	1:263:A:SER:H	3	0.16
(3,1993)	1:259:A:ARG:HA	1:263:A:SER:H	14	0.16
(3,1964)	1:249:B:VAL:HG23	1:252:B:LYS:HB3	12	0.16
(3,1963)	1:249:A:VAL:HG23	1:252:A:LYS:HB3	8	0.16
(3,1963)	1:249:A:VAL:HG23	1:252:A:LYS:HB3	12	0.16
(3,1950)	1:216:B:LEU:HD12	1:217:A:GLN:HA	3	0.16
(3,1918)	1:216:B:LEU:HD21	1:217:A:GLN:HE21	14	0.16
(3,1871)	1:231:A:GLN:HG2	1:230:B:LEU:HD21	15	0.16
(3,1866)	1:249:B:VAL:HG22	1:253:B:ASP:H	20	0.16
(3,1683)	1:240:A:ARG:HG3	1:240:A:ARG:H	3	0.16
(3,1683)	1:240:A:ARG:HG3	1:240:A:ARG:H	4	0.16
(3,1538)	1:223:B:LEU:HB3	1:223:A:LEU:HD12	1	0.16
(3,1538)	1:223:B:LEU:HB3	1:223:A:LEU:HD11	2	0.16
(3,1538)	1:223:B:LEU:HB3	1:223:A:LEU:HD12	3	0.16
(3,1538)	1:223:B:LEU:HB3	1:223:A:LEU:HD12	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1538)	1:223:B:LEU:HB3	1:223:A:LEU:HD12	5	0.16
(3,1538)	1:223:B:LEU:HB3	1:223:A:LEU:HD11	6	0.16
(3,1538)	1:223:B:LEU:HB3	1:223:A:LEU:HD11	7	0.16
(3,1538)	1:223:B:LEU:HB3	1:223:A:LEU:HD13	8	0.16
(3,1538)	1:223:B:LEU:HB3	1:223:A:LEU:HD13	9	0.16
(3,1538)	1:223:B:LEU:HB3	1:223:A:LEU:HD11	10	0.16
(3,1538)	1:223:B:LEU:HB3	1:223:A:LEU:HD12	12	0.16
(3,1538)	1:223:B:LEU:HB3	1:223:A:LEU:HD13	17	0.16
(3,1538)	1:223:B:LEU:HB3	1:223:A:LEU:HD12	18	0.16
(3,1538)	1:223:B:LEU:HB3	1:223:A:LEU:HD12	19	0.16
(3,1538)	1:223:B:LEU:HB3	1:223:A:LEU:HD13	20	0.16
(3,1537)	1:223:A:LEU:HB3	1:223:B:LEU:HD12	1	0.16
(3,1537)	1:223:A:LEU:HB3	1:223:B:LEU:HD12	3	0.16
(3,1537)	1:223:A:LEU:HB3	1:223:B:LEU:HD12	4	0.16
(3,1537)	1:223:A:LEU:HB3	1:223:B:LEU:HD11	6	0.16
(3,1537)	1:223:A:LEU:HB3	1:223:B:LEU:HD11	7	0.16
(3,1537)	1:223:A:LEU:HB3	1:223:B:LEU:HD13	8	0.16
(3,1537)	1:223:A:LEU:HB3	1:223:B:LEU:HD13	9	0.16
(3,1537)	1:223:A:LEU:HB3	1:223:B:LEU:HD12	11	0.16
(3,1537)	1:223:A:LEU:HB3	1:223:B:LEU:HD12	12	0.16
(3,1537)	1:223:A:LEU:HB3	1:223:B:LEU:HD12	13	0.16
(3,1537)	1:223:A:LEU:HB3	1:223:B:LEU:HD11	15	0.16
(3,1537)	1:223:A:LEU:HB3	1:223:B:LEU:HD13	16	0.16
(3,1537)	1:223:A:LEU:HB3	1:223:B:LEU:HD13	17	0.16
(3,1537)	1:223:A:LEU:HB3	1:223:B:LEU:HD12	18	0.16
(3,1537)	1:223:A:LEU:HB3	1:223:B:LEU:HD12	19	0.16
(3,1444)	1:241:B:LEU:HD21	1:240:A:ARG:HG2	7	0.16
(3,1434)	1:241:B:LEU:HD11	1:237:B:VAL:HG12	3	0.16
(3,1434)	1:241:B:LEU:HD11	1:237:B:VAL:HG11	5	0.16
(3,1434)	1:241:B:LEU:HD11	1:237:B:VAL:HG12	6	0.16
(3,1434)	1:241:B:LEU:HD12	1:237:B:VAL:HG11	7	0.16
(3,1434)	1:241:B:LEU:HD13	1:237:B:VAL:HG11	10	0.16
(3,1434)	1:241:B:LEU:HD11	1:237:B:VAL:HG11	13	0.16
(3,1434)	1:241:B:LEU:HD12	1:237:B:VAL:HG12	14	0.16
(3,1434)	1:241:B:LEU:HD12	1:237:B:VAL:HG11	16	0.16
(3,1434)	1:241:B:LEU:HD13	1:237:B:VAL:HG12	17	0.16
(3,1433)	1:241:A:LEU:HD11	1:237:A:VAL:HG13	1	0.16
(3,1433)	1:241:A:LEU:HD11	1:237:A:VAL:HG12	3	0.16
(3,1433)	1:241:A:LEU:HD11	1:237:A:VAL:HG11	5	0.16
(3,1433)	1:241:A:LEU:HD11	1:237:A:VAL:HG12	6	0.16
(3,1433)	1:241:A:LEU:HD11	1:237:A:VAL:HG11	13	0.16
(3,1433)	1:241:A:LEU:HD12	1:237:A:VAL:HG12	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1433)	1:241:A:LEU:HD12	1:237:A:VAL:HG11	16	0.16
(3,1433)	1:241:A:LEU:HD12	1:237:A:VAL:HG11	20	0.16
(3,1398)	1:258:B:LEU:HD23	1:258:B:LEU:HB2	7	0.16
(3,1398)	1:258:B:LEU:HD21	1:258:B:LEU:HB2	12	0.16
(3,1398)	1:258:B:LEU:HD21	1:258:B:LEU:HB2	16	0.16
(3,1397)	1:258:A:LEU:HD21	1:258:A:LEU:HB2	5	0.16
(3,1397)	1:258:A:LEU:HD23	1:258:A:LEU:HB2	7	0.16
(3,1397)	1:258:A:LEU:HD21	1:258:A:LEU:HB2	12	0.16
(3,1389)	1:258:A:LEU:HD23	1:259:B:ARG:HA	11	0.16
(3,1272)	1:217:B:GLN:HA	1:220:B:ILE:HG23	16	0.16
(3,1265)	1:220:A:ILE:HG23	1:223:A:LEU:HB3	19	0.16
(3,1170)	1:225:B:VAL:HG12	1:221:B:ASN:HD21	8	0.16
(3,1169)	1:225:A:VAL:HG12	1:221:A:ASN:HD21	4	0.16
(3,1130)	1:237:B:VAL:HG23	1:238:B:GLN:H	17	0.16
(3,1108)	1:210:B:LEU:HD21	1:207:B:ASP:HB2	6	0.16
(3,1107)	1:210:A:LEU:HD21	1:207:A:ASP:HB2	6	0.16
(3,1068)	1:222:B:SER:HA	1:225:B:VAL:HG13	10	0.16
(3,1067)	1:222:A:SER:HA	1:225:A:VAL:HG13	10	0.16
(3,1036)	1:249:B:VAL:HG13	1:249:B:VAL:H	2	0.16
(3,1036)	1:249:B:VAL:HG12	1:249:B:VAL:H	4	0.16
(3,1036)	1:249:B:VAL:HG13	1:249:B:VAL:H	10	0.16
(3,1035)	1:249:A:VAL:HG13	1:249:A:VAL:H	2	0.16
(3,1035)	1:249:A:VAL:HG12	1:249:A:VAL:H	4	0.16
(3,1035)	1:249:A:VAL:HG13	1:249:A:VAL:H	10	0.16
(3,1034)	1:249:B:VAL:HG11	1:250:B:LYS:H	8	0.16
(3,1033)	1:249:A:VAL:HG11	1:250:A:LYS:H	8	0.16
(3,1033)	1:249:A:VAL:HG12	1:250:A:LYS:H	9	0.16
(3,954)	1:266:B:GLN:HA	1:266:B:GLN:HG3	4	0.16
(3,954)	1:266:B:GLN:HA	1:266:B:GLN:HG3	10	0.16
(3,953)	1:266:A:GLN:HA	1:266:A:GLN:HG3	4	0.16
(3,953)	1:266:A:GLN:HA	1:266:A:GLN:HG3	10	0.16
(3,742)	1:226:B:GLU:HG3	1:227:A:ALA:HB1	4	0.16
(3,742)	1:226:B:GLU:HG3	1:227:A:ALA:HB2	19	0.16
(3,742)	1:226:B:GLU:HG3	1:227:A:ALA:HB3	20	0.16
(3,741)	1:226:A:GLU:HG3	1:227:B:ALA:HB1	4	0.16
(3,518)	1:251:B:MET:HG3	1:251:B:MET:HE3	7	0.16
(3,517)	1:251:A:MET:HG3	1:251:A:MET:HE2	5	0.16
(3,517)	1:251:A:MET:HG3	1:251:A:MET:HE3	6	0.16
(3,304)	1:265:B:ALA:HB2	1:262:B:LEU:HB2	7	0.16
(3,304)	1:265:B:ALA:HB2	1:262:B:LEU:HB2	14	0.16
(3,303)	1:265:A:ALA:HB2	1:262:A:LEU:HB2	7	0.16
(3,179)	1:255:A:PHE:HE2	1:258:B:LEU:HD21	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,21)	1:244:A:ILE:HD11	1:244:B:ILE:HG23	15	0.16
(1,2294)	1:210:B:LEU:HD12	1:211:B:ALA:H	2	0.16
(1,2293)	1:210:A:LEU:HD12	1:211:A:ALA:H	2	0.16
(1,2293)	1:210:A:LEU:HD11	1:211:A:ALA:H	5	0.16
(1,2276)	1:239:B:GLU:HA	1:242:B:ASP:H	18	0.16
(1,2275)	1:239:A:GLU:HA	1:242:A:ASP:H	5	0.16
(1,2258)	1:263:B:SER:HB2	1:263:B:SER:H	1	0.16
(1,2258)	1:263:B:SER:HB2	1:263:B:SER:H	12	0.16
(1,2258)	1:263:B:SER:HB2	1:263:B:SER:H	16	0.16
(1,2257)	1:263:A:SER:HB2	1:263:A:SER:H	1	0.16
(1,2257)	1:263:A:SER:HB2	1:263:A:SER:H	15	0.16
(1,2217)	1:258:A:LEU:HD23	1:261:B:GLU:HB2	12	0.16
(1,2189)	1:256:A:GLU:HG2	1:258:B:LEU:HD21	1	0.16
(1,2038)	1:250:B:LYS:HE2	1:249:B:VAL:HA	8	0.16
(1,2037)	1:250:A:LYS:HE2	1:249:A:VAL:HA	13	0.16
(1,1977)	1:219:A:LYS:HE2	1:216:A:LEU:HD22	3	0.16
(1,1832)	1:240:B:ARG:HD2	1:241:A:LEU:HD11	17	0.16
(1,1761)	1:259:A:ARG:HG2	1:258:B:LEU:HD23	20	0.16
(1,1628)	1:271:B:ARG:HD3	1:272:A:GLN:HG3	11	0.16
(1,1618)	1:267:B:GLN:HA	1:270:B:ARG:HB3	12	0.16
(1,1587)	1:216:A:LEU:HB2	1:216:A:LEU:HD13	3	0.16
(1,1582)	1:216:B:LEU:HD21	1:217:A:GLN:HG2	3	0.16
(1,1530)	1:223:B:LEU:HD21	1:227:B:ALA:H	4	0.16
(1,1529)	1:223:A:LEU:HD21	1:227:A:ALA:H	4	0.16
(1,1506)	1:230:B:LEU:HD21	1:230:B:LEU:HB2	5	0.16
(1,1506)	1:230:B:LEU:HD21	1:230:B:LEU:HB2	18	0.16
(1,1505)	1:230:A:LEU:HD21	1:230:A:LEU:HB2	5	0.16
(1,1505)	1:230:A:LEU:HD21	1:230:A:LEU:HB2	18	0.16
(1,1430)	1:258:B:LEU:HD22	1:266:A:GLN:HG2	16	0.16
(1,1429)	1:258:A:LEU:HD22	1:266:B:GLN:HG2	4	0.16
(1,1358)	1:262:B:LEU:HD23	1:262:B:LEU:HB2	3	0.16
(1,1358)	1:262:B:LEU:HD23	1:262:B:LEU:HB2	13	0.16
(1,1357)	1:262:A:LEU:HD21	1:262:A:LEU:HB2	2	0.16
(1,1357)	1:262:A:LEU:HD23	1:262:A:LEU:HB2	3	0.16
(1,1357)	1:262:A:LEU:HD23	1:262:A:LEU:HB2	13	0.16
(1,1356)	1:269:B:LEU:HD11	1:268:A:LYS:HE3	8	0.16
(1,1351)	1:259:A:ARG:HA	1:262:A:LEU:HD23	10	0.16
(1,1334)	1:269:B:LEU:HD22	1:268:A:LYS:HD2	20	0.16
(1,1292)	1:269:B:LEU:HD13	1:270:B:ARG:H	16	0.16
(1,1291)	1:269:A:LEU:HD13	1:270:A:ARG:H	16	0.16
(1,1238)	1:220:B:ILE:HG12	1:220:B:ILE:HD13	1	0.16
(1,1238)	1:220:B:ILE:HG12	1:220:B:ILE:HD11	19	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1237)	1:220:A:ILE:HG12	1:220:A:ILE:HD13	1	0.16
(1,1237)	1:220:A:ILE:HG12	1:220:A:ILE:HD11	19	0.16
(1,1236)	1:220:B:ILE:HD11	1:220:B:ILE:HG13	7	0.16
(1,1236)	1:220:B:ILE:HD13	1:220:B:ILE:HG13	11	0.16
(1,1236)	1:220:B:ILE:HD11	1:220:B:ILE:HG13	12	0.16
(1,1235)	1:220:A:ILE:HD11	1:220:A:ILE:HG13	7	0.16
(1,1235)	1:220:A:ILE:HD13	1:220:A:ILE:HG13	11	0.16
(1,1235)	1:220:A:ILE:HD11	1:220:A:ILE:HG13	12	0.16
(1,1235)	1:220:A:ILE:HD12	1:220:A:ILE:HG13	18	0.16
(1,1235)	1:220:A:ILE:HD11	1:220:A:ILE:HG13	20	0.16
(1,1166)	1:225:B:VAL:HG23	1:222:B:SER:HB3	7	0.16
(1,1165)	1:225:A:VAL:HG23	1:222:A:SER:HB2	2	0.16
(1,1165)	1:225:A:VAL:HG23	1:222:A:SER:HB3	16	0.16
(1,1151)	1:237:A:VAL:HG11	1:233:B:PHE:HZ	10	0.16
(1,1112)	1:249:B:VAL:HG11	1:252:B:LYS:HB2	5	0.16
(1,1111)	1:249:A:VAL:HG11	1:252:A:LYS:HB2	5	0.16
(1,1111)	1:249:A:VAL:HG11	1:252:A:LYS:HD3	18	0.16
(1,1022)	1:266:B:GLN:HG3	1:262:B:LEU:HD12	6	0.16
(1,1021)	1:266:A:GLN:HG3	1:262:A:LEU:HD13	2	0.16
(1,968)	1:217:B:GLN:HG2	1:213:B:ASN:HA	4	0.16
(1,967)	1:217:A:GLN:HG2	1:213:A:ASN:HA	4	0.16
(1,789)	1:217:A:GLN:HA	1:216:B:LEU:HD21	2	0.16
(1,764)	1:256:B:GLU:HG2	1:252:B:LYS:HB3	1	0.16
(1,714)	1:212:B:GLU:HG3	1:208:B:ARG:HG3	13	0.16
(1,666)	1:264:B:GLU:HG2	1:268:B:LYS:HE2	9	0.16
(1,665)	1:264:A:GLU:HG2	1:268:A:LYS:HE2	9	0.16
(1,641)	1:264:A:GLU:HB2	1:269:B:LEU:HD11	8	0.16
(1,571)	1:257:A:THR:HG21	1:254:A:ASN:HD22	9	0.16
(1,536)	1:251:B:MET:HE2	1:249:A:VAL:H	14	0.16
(1,372)	1:221:B:ASN:HB2	1:217:B:GLN:HG2	15	0.16
(1,371)	1:221:A:ASN:HB2	1:217:A:GLN:HG2	15	0.16
(1,348)	1:227:B:ALA:HB1	1:230:A:LEU:HG	17	0.16
(1,246)	1:263:B:SER:HB3	1:265:B:ALA:HB2	14	0.16
(1,38)	1:210:B:LEU:HD21	1:210:A:LEU:HB2	10	0.16
(1,26)	1:210:B:LEU:HD13	1:209:A:LEU:HA	12	0.16
(3,2740)	1:271:B:ARG:H	1:269:B:LEU:HA	9	0.15
(3,2739)	1:271:A:ARG:H	1:269:A:LEU:HA	9	0.15
(3,2706)	1:227:B:ALA:HB1	1:228:B:LYS:H	11	0.15
(3,2705)	1:227:A:ALA:HB1	1:228:A:LYS:H	11	0.15
(3,2056)	1:211:B:ALA:HA	1:211:B:ALA:H	7	0.15
(3,2056)	1:211:B:ALA:HA	1:211:B:ALA:H	11	0.15
(3,2056)	1:211:B:ALA:HA	1:211:B:ALA:H	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2055)	1:211:A:ALA:HA	1:211:A:ALA:H	7	0.15
(3,2055)	1:211:A:ALA:HA	1:211:A:ALA:H	11	0.15
(3,2055)	1:211:A:ALA:HA	1:211:A:ALA:H	18	0.15
(3,2053)	1:211:A:ALA:H	1:212:A:GLU:H	12	0.15
(3,2052)	1:230:B:LEU:HD12	1:227:B:ALA:H	10	0.15
(3,2030)	1:265:B:ALA:H	1:264:B:GLU:HB2	1	0.15
(3,2029)	1:265:A:ALA:H	1:264:A:GLU:HB2	1	0.15
(3,2028)	1:265:B:ALA:H	1:264:B:GLU:H	11	0.15
(3,1994)	1:259:B:ARG:HA	1:263:B:SER:H	6	0.15
(3,1993)	1:259:A:ARG:HA	1:263:A:SER:H	6	0.15
(3,1993)	1:259:A:ARG:HA	1:263:A:SER:H	13	0.15
(3,1993)	1:259:A:ARG:HA	1:263:A:SER:H	15	0.15
(3,1964)	1:249:B:VAL:HG23	1:252:B:LYS:HB3	5	0.15
(3,1964)	1:249:B:VAL:HG23	1:252:B:LYS:HB3	8	0.15
(3,1868)	1:225:B:VAL:HG21	1:224:B:GLU:HB3	3	0.15
(3,1865)	1:249:A:VAL:HG22	1:253:A:ASP:H	20	0.15
(3,1684)	1:240:B:ARG:HG3	1:240:B:ARG:H	3	0.15
(3,1684)	1:240:B:ARG:HG3	1:240:B:ARG:H	10	0.15
(3,1683)	1:240:A:ARG:HG3	1:240:A:ARG:H	10	0.15
(3,1466)	1:241:B:LEU:HD23	1:245:B:THR:H	1	0.15
(3,1465)	1:241:A:LEU:HD23	1:245:A:THR:H	1	0.15
(3,1465)	1:241:A:LEU:HD23	1:245:A:THR:H	19	0.15
(3,1444)	1:241:B:LEU:HD23	1:240:A:ARG:HG2	6	0.15
(3,1434)	1:241:B:LEU:HD11	1:237:B:VAL:HG13	1	0.15
(3,1434)	1:241:B:LEU:HD12	1:237:B:VAL:HG12	8	0.15
(3,1434)	1:241:B:LEU:HD13	1:237:B:VAL:HG12	15	0.15
(3,1434)	1:241:B:LEU:HD13	1:237:B:VAL:HG13	18	0.15
(3,1434)	1:241:B:LEU:HD12	1:237:B:VAL:HG11	20	0.15
(3,1433)	1:241:A:LEU:HD12	1:237:A:VAL:HG12	8	0.15
(3,1433)	1:241:A:LEU:HD13	1:237:A:VAL:HG12	15	0.15
(3,1433)	1:241:A:LEU:HD13	1:237:A:VAL:HG13	18	0.15
(3,1398)	1:258:B:LEU:HD21	1:258:B:LEU:HB2	5	0.15
(3,1398)	1:258:B:LEU:HD21	1:258:B:LEU:HB2	10	0.15
(3,1398)	1:258:B:LEU:HD23	1:258:B:LEU:HB2	13	0.15
(3,1398)	1:258:B:LEU:HD23	1:258:B:LEU:HB2	14	0.15
(3,1398)	1:258:B:LEU:HD23	1:258:B:LEU:HB2	15	0.15
(3,1398)	1:258:B:LEU:HD21	1:258:B:LEU:HB2	17	0.15
(3,1398)	1:258:B:LEU:HD23	1:258:B:LEU:HB2	19	0.15
(3,1397)	1:258:A:LEU:HD21	1:258:A:LEU:HB2	10	0.15
(3,1397)	1:258:A:LEU:HD23	1:258:A:LEU:HB2	13	0.15
(3,1397)	1:258:A:LEU:HD23	1:258:A:LEU:HB2	14	0.15
(3,1397)	1:258:A:LEU:HD21	1:258:A:LEU:HB2	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1397)	1:258:A:LEU:HD21	1:258:A:LEU:HB2	17	0.15
(3,1390)	1:258:B:LEU:HD23	1:259:A:ARG:HA	3	0.15
(3,1390)	1:258:B:LEU:HD22	1:259:A:ARG:HA	7	0.15
(3,1302)	1:209:B:LEU:HD11	1:206:B:PHE:HD2	8	0.15
(3,1301)	1:209:A:LEU:HD11	1:206:A:PHE:HD2	8	0.15
(3,1271)	1:217:A:GLN:HA	1:220:A:ILE:HG21	6	0.15
(3,1266)	1:220:B:ILE:HG23	1:223:B:LEU:HB3	19	0.15
(3,1264)	1:224:B:GLU:HB2	1:220:B:ILE:HG21	12	0.15
(3,1264)	1:224:B:GLU:HB2	1:220:B:ILE:HG21	19	0.15
(3,1263)	1:224:A:GLU:HB2	1:220:A:ILE:HG21	12	0.15
(3,1263)	1:224:A:GLU:HB2	1:220:A:ILE:HG21	19	0.15
(3,1170)	1:225:B:VAL:HG12	1:221:B:ASN:HD21	4	0.15
(3,1169)	1:225:A:VAL:HG12	1:221:A:ASN:HD21	8	0.15
(3,1130)	1:237:B:VAL:HG22	1:238:B:GLN:H	11	0.15
(3,1130)	1:237:B:VAL:HG22	1:238:B:GLN:H	16	0.15
(3,1129)	1:237:A:VAL:HG22	1:238:A:GLN:H	1	0.15
(3,1129)	1:237:A:VAL:HG22	1:238:A:GLN:H	11	0.15
(3,1129)	1:237:A:VAL:HG22	1:238:A:GLN:H	16	0.15
(3,1129)	1:237:A:VAL:HG23	1:238:A:GLN:H	17	0.15
(3,1036)	1:249:B:VAL:HG13	1:249:B:VAL:H	3	0.15
(3,1036)	1:249:B:VAL:HG13	1:249:B:VAL:H	7	0.15
(3,1036)	1:249:B:VAL:HG11	1:249:B:VAL:H	8	0.15
(3,1036)	1:249:B:VAL:HG13	1:249:B:VAL:H	12	0.15
(3,1036)	1:249:B:VAL:HG12	1:249:B:VAL:H	14	0.15
(3,1036)	1:249:B:VAL:HG12	1:249:B:VAL:H	15	0.15
(3,1035)	1:249:A:VAL:HG13	1:249:A:VAL:H	7	0.15
(3,1035)	1:249:A:VAL:HG11	1:249:A:VAL:H	8	0.15
(3,1035)	1:249:A:VAL:HG12	1:249:A:VAL:H	14	0.15
(3,1035)	1:249:A:VAL:HG12	1:249:A:VAL:H	15	0.15
(3,1034)	1:249:B:VAL:HG13	1:250:B:LYS:H	5	0.15
(3,1033)	1:249:A:VAL:HG13	1:250:A:LYS:H	5	0.15
(3,1006)	1:215:B:SER:HA	1:218:B:GLN:HB3	8	0.15
(3,1005)	1:215:A:SER:HA	1:218:A:GLN:HB3	8	0.15
(3,954)	1:266:B:GLN:HA	1:266:B:GLN:HG3	11	0.15
(3,954)	1:266:B:GLN:HA	1:266:B:GLN:HG3	12	0.15
(3,954)	1:266:B:GLN:HA	1:266:B:GLN:HG3	14	0.15
(3,953)	1:266:A:GLN:HA	1:266:A:GLN:HG3	11	0.15
(3,953)	1:266:A:GLN:HA	1:266:A:GLN:HG3	14	0.15
(3,754)	1:226:B:GLU:HG2	1:226:B:GLU:HB2	8	0.15
(3,754)	1:226:B:GLU:HG2	1:226:B:GLU:HB2	10	0.15
(3,754)	1:226:B:GLU:HG2	1:226:B:GLU:HB2	15	0.15
(3,753)	1:226:A:GLU:HG2	1:226:A:GLU:HB2	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,753)	1:226:A:GLU:HG2	1:226:A:GLU:HB2	10	0.15
(3,753)	1:226:A:GLU:HG2	1:226:A:GLU:HB2	15	0.15
(3,742)	1:226:B:GLU:HG3	1:227:A:ALA:HB2	13	0.15
(3,741)	1:226:A:GLU:HG3	1:227:B:ALA:HB2	13	0.15
(3,741)	1:226:A:GLU:HG3	1:227:B:ALA:HB3	20	0.15
(3,517)	1:251:A:MET:HG3	1:251:A:MET:HE3	7	0.15
(3,322)	1:227:B:ALA:HB2	1:226:A:GLU:HG3	16	0.15
(3,321)	1:227:A:ALA:HB2	1:226:B:GLU:HG3	16	0.15
(3,304)	1:265:B:ALA:HB1	1:262:B:LEU:HB2	6	0.15
(3,304)	1:265:B:ALA:HB2	1:262:B:LEU:HB2	15	0.15
(3,303)	1:265:A:ALA:HB1	1:262:A:LEU:HB2	6	0.15
(3,303)	1:265:A:ALA:HB2	1:262:A:LEU:HB2	14	0.15
(3,303)	1:265:A:ALA:HB2	1:262:A:LEU:HB2	15	0.15
(3,22)	1:244:B:ILE:HD11	1:244:A:ILE:HG23	15	0.15
(1,2294)	1:210:B:LEU:HD11	1:211:B:ALA:H	5	0.15
(1,2275)	1:239:A:GLU:HA	1:242:A:ASP:H	18	0.15
(1,2258)	1:263:B:SER:HB2	1:263:B:SER:H	7	0.15
(1,2258)	1:263:B:SER:HB2	1:263:B:SER:H	9	0.15
(1,2258)	1:263:B:SER:HB2	1:263:B:SER:H	15	0.15
(1,2258)	1:263:B:SER:HB2	1:263:B:SER:H	17	0.15
(1,2258)	1:263:B:SER:HB2	1:263:B:SER:H	19	0.15
(1,2257)	1:263:A:SER:HB2	1:263:A:SER:H	5	0.15
(1,2257)	1:263:A:SER:HB2	1:263:A:SER:H	9	0.15
(1,2257)	1:263:A:SER:HB2	1:263:A:SER:H	16	0.15
(1,2257)	1:263:A:SER:HB2	1:263:A:SER:H	17	0.15
(1,2257)	1:263:A:SER:HB2	1:263:A:SER:H	19	0.15
(1,2218)	1:258:B:LEU:HD23	1:261:A:GLU:HB2	3	0.15
(1,2218)	1:258:B:LEU:HD22	1:261:A:GLU:HB2	7	0.15
(1,2218)	1:258:B:LEU:HD23	1:261:A:GLU:HB2	8	0.15
(1,2218)	1:258:B:LEU:HD23	1:261:A:GLU:HB2	12	0.15
(1,2217)	1:258:A:LEU:HD23	1:261:B:GLU:HB2	3	0.15
(1,2190)	1:256:B:GLU:HG2	1:258:A:LEU:HD21	1	0.15
(1,2188)	1:252:B:LYS:HG2	1:256:B:GLU:HG2	3	0.15
(1,2187)	1:252:A:LYS:HG2	1:256:A:GLU:HG2	3	0.15
(1,2038)	1:250:B:LYS:HE2	1:249:B:VAL:HA	13	0.15
(1,1697)	1:255:A:PHE:HE1	1:259:A:ARG:HD3	9	0.15
(1,1530)	1:223:B:LEU:HD23	1:227:B:ALA:H	1	0.15
(1,1530)	1:223:B:LEU:HD23	1:227:B:ALA:H	9	0.15
(1,1530)	1:223:B:LEU:HD23	1:227:B:ALA:H	20	0.15
(1,1529)	1:223:A:LEU:HD23	1:227:A:ALA:H	1	0.15
(1,1529)	1:223:A:LEU:HD23	1:227:A:ALA:H	9	0.15
(1,1416)	1:258:B:LEU:HD13	1:261:B:GLU:H	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1415)	1:258:A:LEU:HD13	1:261:A:GLU:H	19	0.15
(1,1358)	1:262:B:LEU:HD21	1:262:B:LEU:HB2	1	0.15
(1,1358)	1:262:B:LEU:HD21	1:262:B:LEU:HB2	2	0.15
(1,1358)	1:262:B:LEU:HD21	1:262:B:LEU:HB2	6	0.15
(1,1358)	1:262:B:LEU:HD22	1:262:B:LEU:HB2	12	0.15
(1,1358)	1:262:B:LEU:HD21	1:262:B:LEU:HB2	14	0.15
(1,1358)	1:262:B:LEU:HD21	1:262:B:LEU:HB2	18	0.15
(1,1357)	1:262:A:LEU:HD21	1:262:A:LEU:HB2	1	0.15
(1,1357)	1:262:A:LEU:HD21	1:262:A:LEU:HB2	6	0.15
(1,1357)	1:262:A:LEU:HD22	1:262:A:LEU:HB2	12	0.15
(1,1357)	1:262:A:LEU:HD21	1:262:A:LEU:HB2	14	0.15
(1,1357)	1:262:A:LEU:HD21	1:262:A:LEU:HB2	18	0.15
(1,1351)	1:259:A:ARG:HA	1:262:A:LEU:HD23	7	0.15
(1,1334)	1:269:B:LEU:HD22	1:268:A:LYS:HD2	4	0.15
(1,1238)	1:220:B:ILE:HG12	1:220:B:ILE:HD11	9	0.15
(1,1237)	1:220:A:ILE:HG12	1:220:A:ILE:HD11	4	0.15
(1,1237)	1:220:A:ILE:HG12	1:220:A:ILE:HD11	9	0.15
(1,1236)	1:220:B:ILE:HD11	1:220:B:ILE:HG13	5	0.15
(1,1236)	1:220:B:ILE:HD12	1:220:B:ILE:HG13	6	0.15
(1,1235)	1:220:A:ILE:HD11	1:220:A:ILE:HG13	5	0.15
(1,1235)	1:220:A:ILE:HD12	1:220:A:ILE:HG13	6	0.15
(1,1170)	1:225:B:VAL:HG21	1:228:B:LYS:HB2	7	0.15
(1,1166)	1:225:B:VAL:HG23	1:222:B:SER:HB2	2	0.15
(1,1166)	1:225:B:VAL:HG23	1:222:B:SER:HB3	16	0.15
(1,1112)	1:249:B:VAL:HG13	1:252:B:LYS:HD3	15	0.15
(1,1111)	1:249:A:VAL:HG13	1:252:A:LYS:HD3	15	0.15
(1,1022)	1:266:B:GLN:HG3	1:262:B:LEU:HD13	2	0.15
(1,782)	1:217:B:GLN:HB2	1:216:A:LEU:HD21	7	0.15
(1,572)	1:257:B:THR:HG21	1:254:B:ASN:HD22	9	0.15
(1,572)	1:257:B:THR:HG22	1:266:A:GLN:HE22	19	0.15
(1,536)	1:251:B:MET:HE2	1:249:A:VAL:H	19	0.15
(1,536)	1:251:B:MET:HE2	1:249:B:VAL:H	20	0.15
(1,348)	1:227:B:ALA:HB1	1:230:A:LEU:HG	3	0.15
(1,348)	1:227:B:ALA:HB3	1:230:A:LEU:HG	7	0.15
(1,348)	1:227:B:ALA:HB1	1:230:A:LEU:HG	9	0.15
(1,347)	1:227:A:ALA:HB1	1:230:B:LEU:HG	9	0.15
(1,245)	1:263:A:SER:HB3	1:265:A:ALA:HB2	14	0.15
(1,110)	1:255:B:PHE:HZ	1:258:A:LEU:HD23	7	0.15
(1,37)	1:210:A:LEU:HD21	1:210:B:LEU:HB2	10	0.15
(3,2740)	1:271:B:ARG:H	1:269:B:LEU:HA	8	0.14
(3,2740)	1:271:B:ARG:H	1:269:B:LEU:HA	14	0.14
(3,2739)	1:271:A:ARG:H	1:269:A:LEU:HA	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2739)	1:271:A:ARG:H	1:269:A:LEU:HA	14	0.14
(3,2260)	1:256:B:GLU:H	1:255:B:PHE:HB2	8	0.14
(3,2259)	1:256:A:GLU:H	1:255:A:PHE:HB2	8	0.14
(3,2114)	1:273:B:GLN:HA	1:274:B:ASP:H	4	0.14
(3,2113)	1:273:A:GLN:HA	1:274:A:ASP:H	4	0.14
(3,2054)	1:211:B:ALA:H	1:212:B:GLU:H	12	0.14
(3,2052)	1:230:B:LEU:HD12	1:227:B:ALA:H	12	0.14
(3,2051)	1:230:A:LEU:HD12	1:227:A:ALA:H	10	0.14
(3,2051)	1:230:A:LEU:HD12	1:227:A:ALA:H	12	0.14
(3,2028)	1:265:B:ALA:H	1:264:B:GLU:H	9	0.14
(3,2027)	1:265:A:ALA:H	1:264:A:GLU:H	9	0.14
(3,2027)	1:265:A:ALA:H	1:264:A:GLU:H	11	0.14
(3,2027)	1:265:A:ALA:H	1:264:A:GLU:H	18	0.14
(3,1963)	1:249:A:VAL:HG23	1:252:A:LYS:HB3	5	0.14
(3,1872)	1:231:B:GLN:HG2	1:230:A:LEU:HD21	15	0.14
(3,1867)	1:225:A:VAL:HG21	1:224:A:GLU:HB3	3	0.14
(3,1866)	1:249:B:VAL:HG22	1:253:B:ASP:H	3	0.14
(3,1865)	1:249:A:VAL:HG22	1:253:A:ASP:H	3	0.14
(3,1546)	1:223:B:LEU:HD22	1:224:A:GLU:HA	20	0.14
(3,1466)	1:241:B:LEU:HD23	1:245:B:THR:H	19	0.14
(3,1447)	1:241:A:LEU:HD21	1:240:B:ARG:HD2	17	0.14
(3,1398)	1:258:B:LEU:HD23	1:258:B:LEU:HB2	18	0.14
(3,1397)	1:258:A:LEU:HD23	1:258:A:LEU:HB2	15	0.14
(3,1397)	1:258:A:LEU:HD23	1:258:A:LEU:HB2	18	0.14
(3,1397)	1:258:A:LEU:HD23	1:258:A:LEU:HB2	19	0.14
(3,1272)	1:217:B:GLN:HA	1:220:B:ILE:HG21	6	0.14
(3,1130)	1:237:B:VAL:HG22	1:238:B:GLN:H	1	0.14
(3,1129)	1:237:A:VAL:HG21	1:238:A:GLN:H	13	0.14
(3,1127)	1:237:A:VAL:HG22	1:237:A:VAL:H	18	0.14
(3,1067)	1:222:A:SER:HA	1:225:A:VAL:HG11	14	0.14
(3,1036)	1:249:B:VAL:HG13	1:249:B:VAL:H	5	0.14
(3,1036)	1:249:B:VAL:HG11	1:249:B:VAL:H	6	0.14
(3,1035)	1:249:A:VAL:HG13	1:249:A:VAL:H	3	0.14
(3,1035)	1:249:A:VAL:HG13	1:249:A:VAL:H	5	0.14
(3,1035)	1:249:A:VAL:HG11	1:249:A:VAL:H	6	0.14
(3,1035)	1:249:A:VAL:HG13	1:249:A:VAL:H	12	0.14
(3,1035)	1:249:A:VAL:HG13	1:249:A:VAL:H	13	0.14
(3,1035)	1:249:A:VAL:HG12	1:249:A:VAL:H	17	0.14
(3,1034)	1:249:B:VAL:HG13	1:250:B:LYS:H	3	0.14
(3,1034)	1:249:B:VAL:HG13	1:250:B:LYS:H	7	0.14
(3,1034)	1:249:B:VAL:HG12	1:250:B:LYS:H	17	0.14
(3,1033)	1:249:A:VAL:HG11	1:250:A:LYS:H	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1033)	1:249:A:VAL:HG13	1:250:A:LYS:H	7	0.14
(3,1033)	1:249:A:VAL:HG12	1:250:A:LYS:H	17	0.14
(3,953)	1:266:A:GLN:HA	1:266:A:GLN:HG3	12	0.14
(3,754)	1:226:B:GLU:HG2	1:226:B:GLU:HB2	2	0.14
(3,754)	1:226:B:GLU:HG2	1:226:B:GLU:HB2	3	0.14
(3,754)	1:226:B:GLU:HG2	1:226:B:GLU:HB2	7	0.14
(3,753)	1:226:A:GLU:HG2	1:226:A:GLU:HB2	2	0.14
(3,753)	1:226:A:GLU:HG2	1:226:A:GLU:HB2	3	0.14
(3,753)	1:226:A:GLU:HG2	1:226:A:GLU:HB2	7	0.14
(3,742)	1:226:B:GLU:HG3	1:227:A:ALA:HB2	14	0.14
(3,741)	1:226:A:GLU:HG3	1:227:B:ALA:HB2	14	0.14
(3,741)	1:226:A:GLU:HG3	1:227:B:ALA:HB2	19	0.14
(3,718)	1:234:B:ASN:HB3	1:231:B:GLN:HA	12	0.14
(3,682)	1:212:B:GLU:HG3	1:211:B:ALA:HB1	14	0.14
(3,518)	1:251:B:MET:HG3	1:251:B:MET:HE2	11	0.14
(3,513)	1:251:A:MET:HE1	1:252:B:LYS:HA	12	0.14
(3,304)	1:265:B:ALA:HB2	1:262:B:LEU:HB2	9	0.14
(3,304)	1:265:B:ALA:HB3	1:262:B:LEU:HB2	12	0.14
(3,304)	1:265:B:ALA:HB3	1:262:B:LEU:HB2	17	0.14
(3,303)	1:265:A:ALA:HB2	1:262:A:LEU:HB2	9	0.14
(3,303)	1:265:A:ALA:HB3	1:262:A:LEU:HB2	12	0.14
(3,303)	1:265:A:ALA:HB3	1:262:A:LEU:HB2	17	0.14
(3,186)	1:262:B:LEU:HD11	1:254:A:ASN:HD21	7	0.14
(3,22)	1:244:B:ILE:HD13	1:244:A:ILE:HG21	9	0.14
(3,21)	1:244:A:ILE:HD13	1:244:B:ILE:HG21	9	0.14
(1,2258)	1:263:B:SER:HB2	1:263:B:SER:H	14	0.14
(1,2257)	1:263:A:SER:HB2	1:263:A:SER:H	7	0.14
(1,2257)	1:263:A:SER:HB2	1:263:A:SER:H	14	0.14
(1,2217)	1:258:A:LEU:HD23	1:261:B:GLU:HB2	8	0.14
(1,2157)	1:244:A:ILE:HG22	1:248:A:PHE:HD2	4	0.14
(1,2040)	1:250:B:LYS:HE2	1:250:B:LYS:HB2	19	0.14
(1,2039)	1:250:A:LYS:HE2	1:250:A:LYS:HB2	19	0.14
(1,1962)	1:252:B:LYS:HE3	1:251:B:MET:HB3	19	0.14
(1,1961)	1:252:A:LYS:HE3	1:251:A:MET:HB3	19	0.14
(1,1908)	1:228:B:LYS:HE3	1:228:B:LYS:HD2	8	0.14
(1,1908)	1:228:B:LYS:HE3	1:228:B:LYS:HD2	18	0.14
(1,1907)	1:228:A:LYS:HE3	1:228:A:LYS:HD2	8	0.14
(1,1833)	1:240:A:ARG:HD2	1:241:B:LEU:HD22	16	0.14
(1,1698)	1:255:B:PHE:HE1	1:259:B:ARG:HD3	9	0.14
(1,1627)	1:271:A:ARG:HD3	1:272:B:GLN:HG3	11	0.14
(1,1530)	1:223:B:LEU:HD21	1:227:B:ALA:H	13	0.14
(1,1529)	1:223:A:LEU:HD22	1:227:A:ALA:H	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1529)	1:223:A:LEU:HD21	1:227:A:ALA:H	13	0.14
(1,1529)	1:223:A:LEU:HD23	1:227:A:ALA:H	20	0.14
(1,1430)	1:258:B:LEU:HD22	1:266:A:GLN:HG2	4	0.14
(1,1416)	1:258:B:LEU:HD13	1:261:B:GLU:H	15	0.14
(1,1415)	1:258:A:LEU:HD13	1:261:A:GLU:H	15	0.14
(1,1358)	1:262:B:LEU:HD21	1:262:B:LEU:HB2	5	0.14
(1,1358)	1:262:B:LEU:HD23	1:262:B:LEU:HB2	15	0.14
(1,1358)	1:262:B:LEU:HD23	1:262:B:LEU:HB2	20	0.14
(1,1357)	1:262:A:LEU:HD21	1:262:A:LEU:HB2	5	0.14
(1,1357)	1:262:A:LEU:HD23	1:262:A:LEU:HB2	15	0.14
(1,1356)	1:269:B:LEU:HD12	1:268:A:LYS:HE3	20	0.14
(1,1352)	1:259:B:ARG:HA	1:262:B:LEU:HD23	7	0.14
(1,1335)	1:269:A:LEU:HD11	1:268:B:LYS:HB2	13	0.14
(1,1334)	1:269:B:LEU:HD23	1:268:A:LYS:HD2	7	0.14
(1,1333)	1:269:A:LEU:HD23	1:268:B:LYS:HD2	5	0.14
(1,1330)	1:214:B:GLU:HG2	1:210:B:LEU:HD13	11	0.14
(1,1238)	1:220:B:ILE:HG12	1:220:B:ILE:HD11	4	0.14
(1,1238)	1:220:B:ILE:HG12	1:220:B:ILE:HD13	10	0.14
(1,1238)	1:220:B:ILE:HG12	1:220:B:ILE:HD13	16	0.14
(1,1237)	1:220:A:ILE:HG12	1:220:A:ILE:HD13	10	0.14
(1,1237)	1:220:A:ILE:HG12	1:220:A:ILE:HD13	16	0.14
(1,1236)	1:220:B:ILE:HD12	1:220:B:ILE:HG13	3	0.14
(1,1236)	1:220:B:ILE:HD12	1:220:B:ILE:HG13	17	0.14
(1,1235)	1:220:A:ILE:HD12	1:220:A:ILE:HG13	3	0.14
(1,1235)	1:220:A:ILE:HD12	1:220:A:ILE:HG13	17	0.14
(1,1169)	1:225:A:VAL:HG21	1:228:A:LYS:HB2	7	0.14
(1,1166)	1:225:B:VAL:HG21	1:222:B:SER:HB2	14	0.14
(1,1165)	1:225:A:VAL:HG21	1:222:A:SER:HB2	14	0.14
(1,1112)	1:249:B:VAL:HG11	1:252:B:LYS:HB2	12	0.14
(1,1111)	1:249:A:VAL:HG11	1:252:A:LYS:HB2	12	0.14
(1,930)	1:248:B:PHE:HB2	1:251:A:MET:HB2	5	0.14
(1,929)	1:248:A:PHE:HB2	1:251:B:MET:HB2	5	0.14
(1,790)	1:217:B:GLN:HA	1:220:B:ILE:HD13	7	0.14
(1,789)	1:217:A:GLN:HA	1:220:A:ILE:HD13	7	0.14
(1,711)	1:264:A:GLU:HG2	1:268:A:LYS:HG3	19	0.14
(1,665)	1:264:A:GLU:HG2	1:268:A:LYS:HE2	19	0.14
(1,642)	1:264:B:GLU:HB2	1:269:A:LEU:HD12	1	0.14
(1,571)	1:257:A:THR:HG22	1:266:B:GLN:HE22	19	0.14
(1,536)	1:251:B:MET:HE2	1:247:B:ASP:H	5	0.14
(1,536)	1:251:B:MET:HE1	1:249:A:VAL:H	10	0.14
(1,535)	1:251:A:MET:HE2	1:247:A:ASP:H	5	0.14
(1,347)	1:227:A:ALA:HB1	1:230:B:LEU:HG	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,343)	1:227:A:ALA:HB3	1:226:B:GLU:HB3	2	0.14
(1,1)	1:251:A:MET:HE1	1:251:B:MET:HB2	4	0.14
(3,2740)	1:271:B:ARG:H	1:269:B:LEU:HA	10	0.13
(3,2740)	1:271:B:ARG:H	1:269:B:LEU:HA	15	0.13
(3,2739)	1:271:A:ARG:H	1:269:A:LEU:HA	15	0.13
(3,2052)	1:230:B:LEU:HD13	1:227:B:ALA:H	11	0.13
(3,2028)	1:265:B:ALA:H	1:264:B:GLU:H	2	0.13
(3,2028)	1:265:B:ALA:H	1:264:B:GLU:H	6	0.13
(3,2028)	1:265:B:ALA:H	1:264:B:GLU:H	8	0.13
(3,2028)	1:265:B:ALA:H	1:264:B:GLU:H	12	0.13
(3,2028)	1:265:B:ALA:H	1:264:B:GLU:H	18	0.13
(3,2027)	1:265:A:ALA:H	1:264:A:GLU:H	6	0.13
(3,2027)	1:265:A:ALA:H	1:264:A:GLU:H	8	0.13
(3,2027)	1:265:A:ALA:H	1:264:A:GLU:H	10	0.13
(3,2016)	1:215:B:SER:HB3	1:215:B:SER:H	17	0.13
(3,1915)	1:216:A:LEU:HD22	1:217:B:GLN:HE22	17	0.13
(3,1889)	1:216:A:LEU:HD11	1:217:B:GLN:HE21	13	0.13
(3,1866)	1:249:B:VAL:HG23	1:253:B:ASP:H	13	0.13
(3,1865)	1:249:A:VAL:HG23	1:253:A:ASP:H	13	0.13
(3,1768)	1:268:B:LYS:HA	1:268:B:LYS:HG2	12	0.13
(3,1767)	1:268:A:LYS:HA	1:268:A:LYS:HG2	12	0.13
(3,1545)	1:223:A:LEU:HD23	1:224:B:GLU:HA	16	0.13
(3,1389)	1:258:A:LEU:HD22	1:259:B:ARG:HA	3	0.13
(3,1323)	1:266:A:GLN:HG3	1:262:A:LEU:HD11	5	0.13
(3,1264)	1:224:B:GLU:HB2	1:220:B:ILE:HG22	4	0.13
(3,1263)	1:224:A:GLU:HB2	1:220:A:ILE:HG22	4	0.13
(3,1130)	1:237:B:VAL:HG21	1:238:B:GLN:H	13	0.13
(3,1128)	1:237:B:VAL:HG22	1:237:B:VAL:H	18	0.13
(3,1068)	1:222:B:SER:HA	1:225:B:VAL:HG11	14	0.13
(3,1036)	1:249:B:VAL:HG13	1:249:B:VAL:H	13	0.13
(3,1036)	1:249:B:VAL:HG12	1:249:B:VAL:H	17	0.13
(3,1035)	1:249:A:VAL:HG13	1:249:A:VAL:H	20	0.13
(3,1034)	1:249:B:VAL:HG11	1:250:B:LYS:H	6	0.13
(3,1034)	1:249:B:VAL:HG13	1:250:B:LYS:H	10	0.13
(3,1034)	1:249:B:VAL:HG13	1:250:B:LYS:H	11	0.13
(3,1034)	1:249:B:VAL:HG12	1:250:B:LYS:H	15	0.13
(3,1033)	1:249:A:VAL:HG13	1:250:A:LYS:H	3	0.13
(3,1033)	1:249:A:VAL:HG13	1:250:A:LYS:H	10	0.13
(3,1033)	1:249:A:VAL:HG13	1:250:A:LYS:H	11	0.13
(3,1033)	1:249:A:VAL:HG12	1:250:A:LYS:H	14	0.13
(3,1033)	1:249:A:VAL:HG12	1:250:A:LYS:H	15	0.13
(3,971)	1:238:A:GLN:HG3	1:233:B:PHE:HZ	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,968)	1:218:B:GLN:HG2	1:218:B:GLN:H	8	0.13
(3,967)	1:218:A:GLN:HG2	1:218:A:GLN:H	8	0.13
(3,939)	1:266:A:GLN:HG3	1:262:A:LEU:HG	19	0.13
(3,780)	1:224:B:GLU:HG3	1:224:B:GLU:H	17	0.13
(3,779)	1:224:A:GLU:HG3	1:224:A:GLU:H	17	0.13
(3,718)	1:234:B:ASN:HB3	1:231:B:GLN:HA	15	0.13
(3,717)	1:234:A:ASN:HB3	1:231:A:GLN:HA	15	0.13
(3,681)	1:212:A:GLU:HG3	1:211:A:ALA:HB1	14	0.13
(3,518)	1:251:B:MET:HG3	1:251:B:MET:HE2	18	0.13
(3,517)	1:251:A:MET:HG3	1:251:A:MET:HE2	11	0.13
(3,517)	1:251:A:MET:HG3	1:251:A:MET:HE2	18	0.13
(3,516)	1:247:B:ASP:HB2	1:251:B:MET:HE1	16	0.13
(3,515)	1:247:A:ASP:HB2	1:251:A:MET:HE1	16	0.13
(3,514)	1:251:B:MET:HE1	1:252:A:LYS:HA	12	0.13
(3,304)	1:265:B:ALA:HB2	1:262:B:LEU:HB2	1	0.13
(3,304)	1:265:B:ALA:HB1	1:262:B:LEU:HB2	2	0.13
(3,304)	1:265:B:ALA:HB3	1:262:B:LEU:HB2	3	0.13
(3,304)	1:265:B:ALA:HB3	1:262:B:LEU:HB2	4	0.13
(3,304)	1:265:B:ALA:HB3	1:262:B:LEU:HB2	8	0.13
(3,304)	1:265:B:ALA:HB3	1:262:B:LEU:HB2	13	0.13
(3,304)	1:265:B:ALA:HB1	1:262:B:LEU:HB2	16	0.13
(3,304)	1:265:B:ALA:HB2	1:262:B:LEU:HB2	18	0.13
(3,303)	1:265:A:ALA:HB2	1:262:A:LEU:HB2	1	0.13
(3,303)	1:265:A:ALA:HB3	1:262:A:LEU:HB2	3	0.13
(3,303)	1:265:A:ALA:HB3	1:262:A:LEU:HB2	8	0.13
(3,303)	1:265:A:ALA:HB3	1:262:A:LEU:HB2	13	0.13
(3,303)	1:265:A:ALA:HB1	1:262:A:LEU:HB2	16	0.13
(3,303)	1:265:A:ALA:HB2	1:262:A:LEU:HB2	18	0.13
(3,303)	1:265:A:ALA:HB2	1:262:A:LEU:HB2	19	0.13
(1,2294)	1:210:B:LEU:HD12	1:211:B:ALA:H	19	0.13
(1,2293)	1:210:A:LEU:HD12	1:211:A:ALA:H	19	0.13
(1,2276)	1:239:B:GLU:HA	1:242:B:ASP:H	13	0.13
(1,2275)	1:239:A:GLU:HA	1:242:A:ASP:H	13	0.13
(1,2262)	1:263:B:SER:H	1:266:B:GLN:HB2	3	0.13
(1,2257)	1:263:A:SER:HB2	1:263:A:SER:H	13	0.13
(1,2226)	1:220:B:ILE:HG12	1:216:B:LEU:HB3	15	0.13
(1,2225)	1:220:A:ILE:HG12	1:216:A:LEU:HB3	15	0.13
(1,2217)	1:258:A:LEU:HD22	1:261:B:GLU:HB2	7	0.13
(1,2174)	1:259:B:ARG:HD3	1:256:B:GLU:HG2	7	0.13
(1,2173)	1:259:A:ARG:HD3	1:256:A:GLU:HG2	7	0.13
(1,2160)	1:251:B:MET:HE2	1:249:A:VAL:HA	2	0.13
(1,2158)	1:244:B:ILE:HG21	1:248:A:PHE:HD1	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2152)	1:216:B:LEU:HD21	1:213:A:ASN:HD22	3	0.13
(1,1967)	1:252:A:LYS:HE3	1:252:A:LYS:HB2	19	0.13
(1,1961)	1:252:A:LYS:HE2	1:251:A:MET:HB3	4	0.13
(1,1907)	1:228:A:LYS:HE3	1:228:A:LYS:HD2	18	0.13
(1,1834)	1:244:B:ILE:HD13	1:240:B:ARG:HD2	18	0.13
(1,1833)	1:240:A:ARG:HD2	1:241:B:LEU:HD22	3	0.13
(1,1801)	1:243:A:ARG:HD2	1:239:A:GLU:HB2	12	0.13
(1,1694)	1:267:B:GLN:HA	1:270:B:ARG:HD2	12	0.13
(1,1693)	1:267:A:GLN:HA	1:270:A:ARG:HD2	12	0.13
(1,1530)	1:223:B:LEU:HD22	1:227:B:ALA:H	8	0.13
(1,1358)	1:262:B:LEU:HD21	1:262:B:LEU:HB2	8	0.13
(1,1357)	1:262:A:LEU:HD21	1:262:A:LEU:HB2	8	0.13
(1,1357)	1:262:A:LEU:HD21	1:262:A:LEU:HB2	10	0.13
(1,1357)	1:262:A:LEU:HD23	1:262:A:LEU:HB2	20	0.13
(1,1336)	1:269:B:LEU:HD11	1:268:A:LYS:HB2	13	0.13
(1,1238)	1:220:B:ILE:HG12	1:220:B:ILE:HD12	8	0.13
(1,1238)	1:220:B:ILE:HG12	1:220:B:ILE:HD12	13	0.13
(1,1238)	1:220:B:ILE:HG12	1:220:B:ILE:HD12	14	0.13
(1,1238)	1:220:B:ILE:HG12	1:220:B:ILE:HD13	15	0.13
(1,1238)	1:220:B:ILE:HG12	1:220:B:ILE:HD13	18	0.13
(1,1237)	1:220:A:ILE:HG12	1:220:A:ILE:HD12	8	0.13
(1,1237)	1:220:A:ILE:HG12	1:220:A:ILE:HD12	13	0.13
(1,1237)	1:220:A:ILE:HG12	1:220:A:ILE:HD12	14	0.13
(1,1237)	1:220:A:ILE:HG12	1:220:A:ILE:HD13	15	0.13
(1,1237)	1:220:A:ILE:HG12	1:220:A:ILE:HD13	18	0.13
(1,1112)	1:249:B:VAL:HG11	1:252:B:LYS:HB2	10	0.13
(1,1111)	1:249:A:VAL:HG11	1:252:A:LYS:HB2	10	0.13
(1,1109)	1:229:A:ARG:HB2	1:225:A:VAL:HG11	9	0.13
(1,948)	1:273:B:GLN:HA	1:269:B:LEU:HD23	17	0.13
(1,947)	1:273:A:GLN:HA	1:269:A:LEU:HD23	17	0.13
(1,885)	1:235:A:GLU:HG3	1:231:A:GLN:HE21	9	0.13
(1,875)	1:212:A:GLU:HA	1:208:A:ARG:HG2	12	0.13
(1,790)	1:217:B:GLN:HA	1:216:A:LEU:HD21	2	0.13
(1,788)	1:217:B:GLN:HA	1:216:A:LEU:HD11	8	0.13
(1,787)	1:217:A:GLN:HA	1:216:B:LEU:HD11	8	0.13
(1,712)	1:264:B:GLU:HG2	1:268:B:LYS:HG3	19	0.13
(1,666)	1:264:B:GLU:HG2	1:268:B:LYS:HE2	19	0.13
(1,536)	1:251:B:MET:HE3	1:249:A:VAL:H	3	0.13
(1,524)	1:251:B:MET:HE1	1:248:B:PHE:HA	1	0.13
(1,524)	1:251:B:MET:HE3	1:248:B:PHE:HA	17	0.13
(1,523)	1:251:A:MET:HE1	1:248:A:PHE:HA	1	0.13
(1,523)	1:251:A:MET:HE3	1:248:A:PHE:HA	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,348)	1:227:B:ALA:HB1	1:230:A:LEU:HG	4	0.13
(1,347)	1:227:A:ALA:HB1	1:230:B:LEU:HG	4	0.13
(1,344)	1:227:B:ALA:HB3	1:226:A:GLU:HB3	2	0.13
(3,2740)	1:271:B:ARG:H	1:269:B:LEU:HA	2	0.12
(3,2740)	1:271:B:ARG:H	1:269:B:LEU:HA	16	0.12
(3,2740)	1:271:B:ARG:H	1:269:B:LEU:HA	18	0.12
(3,2739)	1:271:A:ARG:H	1:269:A:LEU:HA	2	0.12
(3,2739)	1:271:A:ARG:H	1:269:A:LEU:HA	10	0.12
(3,2739)	1:271:A:ARG:H	1:269:A:LEU:HA	16	0.12
(3,2739)	1:271:A:ARG:H	1:269:A:LEU:HA	18	0.12
(3,2678)	1:268:B:LYS:H	1:269:B:LEU:H	16	0.12
(3,2677)	1:268:A:LYS:H	1:269:A:LEU:H	16	0.12
(3,2260)	1:256:B:GLU:H	1:255:B:PHE:HB2	1	0.12
(3,2259)	1:256:A:GLU:H	1:255:A:PHE:HB2	1	0.12
(3,2051)	1:230:A:LEU:HD13	1:227:A:ALA:H	11	0.12
(3,2028)	1:265:B:ALA:H	1:264:B:GLU:H	4	0.12
(3,2028)	1:265:B:ALA:H	1:264:B:GLU:H	10	0.12
(3,2028)	1:265:B:ALA:H	1:264:B:GLU:H	14	0.12
(3,2028)	1:265:B:ALA:H	1:264:B:GLU:H	20	0.12
(3,2027)	1:265:A:ALA:H	1:264:A:GLU:H	2	0.12
(3,2027)	1:265:A:ALA:H	1:264:A:GLU:H	12	0.12
(3,2027)	1:265:A:ALA:H	1:264:A:GLU:H	14	0.12
(3,2027)	1:265:A:ALA:H	1:264:A:GLU:H	16	0.12
(3,2027)	1:265:A:ALA:H	1:264:A:GLU:H	20	0.12
(3,2015)	1:215:A:SER:HB3	1:215:A:SER:H	17	0.12
(3,1963)	1:249:A:VAL:HG22	1:252:A:LYS:HB3	1	0.12
(3,1884)	1:216:B:LEU:HD21	1:217:A:GLN:HA	7	0.12
(3,1702)	1:240:B:ARG:HG3	1:237:B:VAL:HA	2	0.12
(3,1701)	1:240:A:ARG:HG3	1:237:A:VAL:HA	2	0.12
(3,1545)	1:223:A:LEU:HD22	1:224:B:GLU:HA	10	0.12
(3,1510)	1:230:B:LEU:HD21	1:230:B:LEU:HG	1	0.12
(3,1510)	1:230:B:LEU:HD23	1:230:B:LEU:HG	2	0.12
(3,1510)	1:230:B:LEU:HD21	1:230:B:LEU:HG	3	0.12
(3,1510)	1:230:B:LEU:HD21	1:230:B:LEU:HG	4	0.12
(3,1510)	1:230:B:LEU:HD22	1:230:B:LEU:HG	6	0.12
(3,1510)	1:230:B:LEU:HD21	1:230:B:LEU:HG	8	0.12
(3,1510)	1:230:B:LEU:HD21	1:230:B:LEU:HG	9	0.12
(3,1510)	1:230:B:LEU:HD21	1:230:B:LEU:HG	10	0.12
(3,1510)	1:230:B:LEU:HD22	1:230:B:LEU:HG	12	0.12
(3,1510)	1:230:B:LEU:HD22	1:230:B:LEU:HG	13	0.12
(3,1510)	1:230:B:LEU:HD21	1:230:B:LEU:HG	14	0.12
(3,1510)	1:230:B:LEU:HD22	1:230:B:LEU:HG	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1510)	1:230:B:LEU:HD21	1:230:B:LEU:HG	17	0.12
(3,1510)	1:230:B:LEU:HD22	1:230:B:LEU:HG	18	0.12
(3,1510)	1:230:B:LEU:HD23	1:230:B:LEU:HG	19	0.12
(3,1509)	1:230:A:LEU:HD23	1:230:A:LEU:HG	2	0.12
(3,1509)	1:230:A:LEU:HD21	1:230:A:LEU:HG	3	0.12
(3,1509)	1:230:A:LEU:HD21	1:230:A:LEU:HG	4	0.12
(3,1509)	1:230:A:LEU:HD23	1:230:A:LEU:HG	6	0.12
(3,1509)	1:230:A:LEU:HD21	1:230:A:LEU:HG	8	0.12
(3,1509)	1:230:A:LEU:HD21	1:230:A:LEU:HG	9	0.12
(3,1509)	1:230:A:LEU:HD22	1:230:A:LEU:HG	12	0.12
(3,1509)	1:230:A:LEU:HD22	1:230:A:LEU:HG	13	0.12
(3,1509)	1:230:A:LEU:HD21	1:230:A:LEU:HG	14	0.12
(3,1509)	1:230:A:LEU:HD22	1:230:A:LEU:HG	16	0.12
(3,1509)	1:230:A:LEU:HD21	1:230:A:LEU:HG	17	0.12
(3,1509)	1:230:A:LEU:HD22	1:230:A:LEU:HG	18	0.12
(3,1389)	1:258:A:LEU:HD21	1:259:B:ARG:HA	7	0.12
(3,1384)	1:258:B:LEU:HA	1:258:B:LEU:HD12	2	0.12
(3,1384)	1:258:B:LEU:HA	1:258:B:LEU:HD13	6	0.12
(3,1384)	1:258:B:LEU:HA	1:258:B:LEU:HD11	8	0.12
(3,1384)	1:258:B:LEU:HA	1:258:B:LEU:HD12	12	0.12
(3,1384)	1:258:B:LEU:HA	1:258:B:LEU:HD13	16	0.12
(3,1383)	1:258:A:LEU:HA	1:258:A:LEU:HD13	6	0.12
(3,1383)	1:258:A:LEU:HA	1:258:A:LEU:HD13	16	0.12
(3,1324)	1:266:B:GLN:HG3	1:262:B:LEU:HD11	5	0.12
(3,1272)	1:217:B:GLN:HA	1:220:B:ILE:HG21	20	0.12
(3,1271)	1:217:A:GLN:HA	1:220:A:ILE:HG21	20	0.12
(3,1130)	1:237:B:VAL:HG21	1:238:B:GLN:H	20	0.12
(3,1129)	1:237:A:VAL:HG21	1:238:A:GLN:H	20	0.12
(3,1128)	1:237:B:VAL:HG23	1:237:B:VAL:H	15	0.12
(3,1127)	1:237:A:VAL:HG23	1:237:A:VAL:H	15	0.12
(3,1036)	1:249:B:VAL:HG13	1:249:B:VAL:H	1	0.12
(3,1036)	1:249:B:VAL:HG13	1:249:B:VAL:H	16	0.12
(3,1036)	1:249:B:VAL:HG11	1:249:B:VAL:H	19	0.12
(3,1036)	1:249:B:VAL:HG13	1:249:B:VAL:H	20	0.12
(3,1035)	1:249:A:VAL:HG13	1:249:A:VAL:H	1	0.12
(3,1035)	1:249:A:VAL:HG13	1:249:A:VAL:H	11	0.12
(3,1035)	1:249:A:VAL:HG13	1:249:A:VAL:H	16	0.12
(3,1035)	1:249:A:VAL:HG11	1:249:A:VAL:H	19	0.12
(3,1034)	1:249:B:VAL:HG12	1:250:B:LYS:H	14	0.12
(3,954)	1:266:B:GLN:HA	1:266:B:GLN:HG3	16	0.12
(3,953)	1:266:A:GLN:HA	1:266:A:GLN:HG3	16	0.12
(3,940)	1:266:B:GLN:HG3	1:262:B:LEU:HG	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,742)	1:226:B:GLU:HG3	1:227:A:ALA:HB1	5	0.12
(3,717)	1:234:A:ASN:HB3	1:231:A:GLN:HA	12	0.12
(3,513)	1:251:A:MET:HE1	1:252:B:LYS:HA	17	0.12
(3,321)	1:227:A:ALA:HB2	1:226:B:GLU:HG3	6	0.12
(3,313)	1:265:A:ALA:HB3	1:265:A:ALA:HA	14	0.12
(3,304)	1:265:B:ALA:HB2	1:262:B:LEU:HB2	19	0.12
(3,304)	1:265:B:ALA:HB2	1:262:B:LEU:HB2	20	0.12
(3,303)	1:265:A:ALA:HB1	1:262:A:LEU:HB2	2	0.12
(3,303)	1:265:A:ALA:HB3	1:262:A:LEU:HB2	4	0.12
(3,303)	1:265:A:ALA:HB2	1:262:A:LEU:HB2	20	0.12
(3,185)	1:262:A:LEU:HD11	1:254:B:ASN:HD21	7	0.12
(3,185)	1:262:A:LEU:HD12	1:254:B:ASN:HD21	10	0.12
(3,108)	1:255:B:PHE:HD2	1:251:A:MET:HG2	9	0.12
(3,56)	1:236:B:TYR:HE2	1:240:B:ARG:HG3	15	0.12
(3,55)	1:236:A:TYR:HE2	1:240:A:ARG:HG3	15	0.12
(1,2261)	1:263:A:SER:H	1:266:A:GLN:HB2	3	0.12
(1,2258)	1:263:B:SER:HB2	1:263:B:SER:H	13	0.12
(1,2226)	1:220:B:ILE:HG12	1:216:B:LEU:HB3	7	0.12
(1,2225)	1:220:A:ILE:HG12	1:216:A:LEU:HB3	7	0.12
(1,2220)	1:255:B:PHE:HA	1:258:B:LEU:HD21	8	0.12
(1,2220)	1:255:B:PHE:HA	1:258:B:LEU:HD23	13	0.12
(1,2219)	1:255:A:PHE:HA	1:258:A:LEU:HD21	8	0.12
(1,2219)	1:255:A:PHE:HA	1:258:A:LEU:HD23	13	0.12
(1,2218)	1:258:B:LEU:HD22	1:261:A:GLU:HB2	9	0.12
(1,2217)	1:258:A:LEU:HD22	1:261:B:GLU:HB2	9	0.12
(1,2190)	1:256:B:GLU:HG2	1:258:B:LEU:HD11	7	0.12
(1,1968)	1:252:B:LYS:HE3	1:252:B:LYS:HB2	19	0.12
(1,1962)	1:252:B:LYS:HE2	1:251:B:MET:HB3	4	0.12
(1,1834)	1:240:B:ARG:HD2	1:241:A:LEU:HD22	16	0.12
(1,1833)	1:244:A:ILE:HD13	1:240:A:ARG:HD2	18	0.12
(1,1810)	1:243:B:ARG:HD3	1:245:B:THR:HG21	20	0.12
(1,1809)	1:243:A:ARG:HD3	1:245:A:THR:HG21	20	0.12
(1,1802)	1:243:B:ARG:HD2	1:239:B:GLU:HB2	12	0.12
(1,1792)	1:244:B:ILE:HG23	1:243:B:ARG:HB2	7	0.12
(1,1791)	1:244:A:ILE:HG23	1:243:A:ARG:HB2	7	0.12
(1,1791)	1:244:A:ILE:HD13	1:243:A:ARG:HB3	16	0.12
(1,1762)	1:259:B:ARG:HG2	1:258:A:LEU:HD22	3	0.12
(1,1588)	1:216:B:LEU:HB2	1:216:B:LEU:HD12	8	0.12
(1,1587)	1:216:A:LEU:HB2	1:216:A:LEU:HD12	8	0.12
(1,1530)	1:223:B:LEU:HD22	1:227:B:ALA:H	17	0.12
(1,1529)	1:223:A:LEU:HD22	1:227:A:ALA:H	17	0.12
(1,1358)	1:262:B:LEU:HD21	1:262:B:LEU:HB2	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1358)	1:262:B:LEU:HD21	1:262:B:LEU:HB2	10	0.12
(1,1358)	1:262:B:LEU:HD23	1:262:B:LEU:HB2	16	0.12
(1,1357)	1:262:A:LEU:HD23	1:262:A:LEU:HB2	16	0.12
(1,1336)	1:269:B:LEU:HD13	1:268:A:LYS:HB2	11	0.12
(1,1335)	1:269:A:LEU:HD13	1:268:B:LYS:HB2	11	0.12
(1,1334)	1:269:B:LEU:HD23	1:268:A:LYS:HD2	5	0.12
(1,1329)	1:214:A:GLU:HG2	1:210:A:LEU:HD13	11	0.12
(1,1292)	1:269:B:LEU:HD13	1:270:B:ARG:H	10	0.12
(1,1292)	1:269:B:LEU:HD13	1:268:A:LYS:H	14	0.12
(1,1291)	1:269:A:LEU:HD13	1:270:A:ARG:H	10	0.12
(1,1290)	1:269:B:LEU:HB3	1:269:B:LEU:HD12	13	0.12
(1,1289)	1:269:A:LEU:HB3	1:269:A:LEU:HD12	13	0.12
(1,1238)	1:220:B:ILE:HG12	1:220:B:ILE:HD11	11	0.12
(1,1238)	1:220:B:ILE:HG12	1:220:B:ILE:HD12	12	0.12
(1,1238)	1:220:B:ILE:HG12	1:220:B:ILE:HD12	20	0.12
(1,1237)	1:220:A:ILE:HG12	1:220:A:ILE:HD11	11	0.12
(1,1237)	1:220:A:ILE:HG12	1:220:A:ILE:HD12	20	0.12
(1,1236)	1:220:B:ILE:HD12	1:220:B:ILE:HG13	2	0.12
(1,1235)	1:220:A:ILE:HD12	1:220:A:ILE:HG13	2	0.12
(1,1177)	1:244:A:ILE:HD13	1:241:B:LEU:HB3	17	0.12
(1,1171)	1:225:A:VAL:HG22	1:228:A:LYS:HD3	13	0.12
(1,1169)	1:225:A:VAL:HG23	1:228:A:LYS:HB2	18	0.12
(1,1151)	1:237:A:VAL:HG12	1:233:B:PHE:HZ	15	0.12
(1,1110)	1:229:B:ARG:HB2	1:225:B:VAL:HG11	9	0.12
(1,969)	1:213:A:ASN:HB3	1:217:A:GLN:HG2	10	0.12
(1,886)	1:235:B:GLU:HG3	1:231:B:GLN:HE21	9	0.12
(1,876)	1:212:B:GLU:HA	1:208:B:ARG:HG2	12	0.12
(1,766)	1:256:B:GLU:HG2	1:252:B:LYS:HB2	3	0.12
(1,766)	1:256:B:GLU:HG3	1:252:B:LYS:HB2	20	0.12
(1,765)	1:256:A:GLU:HG2	1:252:A:LYS:HB2	3	0.12
(1,626)	1:214:B:GLU:HG2	1:210:B:LEU:HD11	12	0.12
(1,535)	1:251:A:MET:HE2	1:249:B:VAL:H	19	0.12
(1,347)	1:227:A:ALA:HB2	1:230:B:LEU:HG	6	0.12
(1,346)	1:227:B:ALA:HB2	1:230:A:LEU:HB2	11	0.12
(1,345)	1:227:A:ALA:HB2	1:230:B:LEU:HB2	11	0.12
(1,246)	1:263:B:SER:HB3	1:265:B:ALA:HB3	17	0.12
(1,25)	1:210:A:LEU:HD11	1:209:B:LEU:HA	15	0.12
(1,2)	1:251:B:MET:HE1	1:251:A:MET:HB2	4	0.12
(3,2740)	1:271:B:ARG:H	1:269:B:LEU:HA	1	0.11
(3,2740)	1:271:B:ARG:H	1:269:B:LEU:HA	3	0.11
(3,2740)	1:271:B:ARG:H	1:269:B:LEU:HA	4	0.11
(3,2739)	1:271:A:ARG:H	1:269:A:LEU:HA	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2739)	1:271:A:ARG:H	1:269:A:LEU:HA	4	0.11
(3,2455)	1:217:A:GLN:HB3	1:217:A:GLN:H	12	0.11
(3,2260)	1:256:B:GLU:H	1:255:B:PHE:HB2	20	0.11
(3,2030)	1:265:B:ALA:H	1:264:B:GLU:HB2	13	0.11
(3,2029)	1:265:A:ALA:H	1:264:A:GLU:HB2	13	0.11
(3,2028)	1:265:B:ALA:H	1:264:B:GLU:H	3	0.11
(3,2028)	1:265:B:ALA:H	1:264:B:GLU:H	5	0.11
(3,2028)	1:265:B:ALA:H	1:264:B:GLU:H	7	0.11
(3,2028)	1:265:B:ALA:H	1:264:B:GLU:H	13	0.11
(3,2028)	1:265:B:ALA:H	1:264:B:GLU:H	16	0.11
(3,2028)	1:265:B:ALA:H	1:264:B:GLU:H	17	0.11
(3,2027)	1:265:A:ALA:H	1:264:A:GLU:H	3	0.11
(3,2027)	1:265:A:ALA:H	1:264:A:GLU:H	4	0.11
(3,2027)	1:265:A:ALA:H	1:264:A:GLU:H	5	0.11
(3,2027)	1:265:A:ALA:H	1:264:A:GLU:H	7	0.11
(3,2027)	1:265:A:ALA:H	1:264:A:GLU:H	13	0.11
(3,2027)	1:265:A:ALA:H	1:264:A:GLU:H	17	0.11
(3,2027)	1:265:A:ALA:H	1:264:A:GLU:H	19	0.11
(3,1994)	1:259:B:ARG:HA	1:263:B:SER:H	7	0.11
(3,1993)	1:259:A:ARG:HA	1:263:A:SER:H	7	0.11
(3,1964)	1:249:B:VAL:HG22	1:252:B:LYS:HB3	1	0.11
(3,1963)	1:249:A:VAL:HG22	1:252:A:LYS:HB3	6	0.11
(3,1899)	1:260:A:THR:HG23	1:259:A:ARG:HA	1	0.11
(3,1890)	1:216:B:LEU:HD11	1:217:A:GLN:HE21	13	0.11
(3,1684)	1:240:B:ARG:HG3	1:240:B:ARG:H	15	0.11
(3,1683)	1:240:A:ARG:HG3	1:240:A:ARG:H	15	0.11
(3,1546)	1:223:B:LEU:HD21	1:224:A:GLU:HA	8	0.11
(3,1546)	1:223:B:LEU:HD22	1:224:A:GLU:HA	10	0.11
(3,1546)	1:223:B:LEU:HD23	1:224:A:GLU:HA	16	0.11
(3,1545)	1:223:A:LEU:HD21	1:224:B:GLU:HA	8	0.11
(3,1545)	1:223:A:LEU:HD22	1:224:B:GLU:HA	14	0.11
(3,1510)	1:230:B:LEU:HD23	1:230:B:LEU:HG	7	0.11
(3,1510)	1:230:B:LEU:HD21	1:230:B:LEU:HG	11	0.11
(3,1510)	1:230:B:LEU:HD22	1:230:B:LEU:HG	15	0.11
(3,1510)	1:230:B:LEU:HD21	1:230:B:LEU:HG	20	0.11
(3,1509)	1:230:A:LEU:HD21	1:230:A:LEU:HG	1	0.11
(3,1509)	1:230:A:LEU:HD23	1:230:A:LEU:HG	7	0.11
(3,1509)	1:230:A:LEU:HD21	1:230:A:LEU:HG	10	0.11
(3,1509)	1:230:A:LEU:HD21	1:230:A:LEU:HG	11	0.11
(3,1509)	1:230:A:LEU:HD22	1:230:A:LEU:HG	15	0.11
(3,1509)	1:230:A:LEU:HD23	1:230:A:LEU:HG	19	0.11
(3,1509)	1:230:A:LEU:HD21	1:230:A:LEU:HG	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1465)	1:241:A:LEU:HD22	1:245:A:THR:H	6	0.11
(3,1443)	1:241:A:LEU:HD22	1:240:B:ARG:HG2	19	0.11
(3,1389)	1:258:A:LEU:HD22	1:259:B:ARG:HA	17	0.11
(3,1384)	1:258:B:LEU:HA	1:258:B:LEU:HD11	1	0.11
(3,1384)	1:258:B:LEU:HA	1:258:B:LEU:HD13	5	0.11
(3,1384)	1:258:B:LEU:HA	1:258:B:LEU:HD12	7	0.11
(3,1383)	1:258:A:LEU:HA	1:258:A:LEU:HD11	1	0.11
(3,1383)	1:258:A:LEU:HA	1:258:A:LEU:HD12	2	0.11
(3,1383)	1:258:A:LEU:HA	1:258:A:LEU:HD13	5	0.11
(3,1383)	1:258:A:LEU:HA	1:258:A:LEU:HD12	7	0.11
(3,1383)	1:258:A:LEU:HA	1:258:A:LEU:HD11	8	0.11
(3,1383)	1:258:A:LEU:HA	1:258:A:LEU:HD12	12	0.11
(3,1383)	1:258:A:LEU:HA	1:258:A:LEU:HD11	13	0.11
(3,1323)	1:266:A:GLN:HG3	1:262:A:LEU:HD12	6	0.11
(3,1176)	1:225:B:VAL:HA	1:225:B:VAL:HG22	3	0.11
(3,1176)	1:225:B:VAL:HA	1:225:B:VAL:HG21	7	0.11
(3,1175)	1:225:A:VAL:HA	1:225:A:VAL:HG21	1	0.11
(3,1175)	1:225:A:VAL:HA	1:225:A:VAL:HG22	3	0.11
(3,1128)	1:237:B:VAL:HG23	1:237:B:VAL:H	6	0.11
(3,1128)	1:237:B:VAL:HG21	1:237:B:VAL:H	16	0.11
(3,1127)	1:237:A:VAL:HG21	1:237:A:VAL:H	16	0.11
(3,1068)	1:222:B:SER:HA	1:225:B:VAL:HG13	20	0.11
(3,1067)	1:222:A:SER:HA	1:225:A:VAL:HG13	20	0.11
(3,1036)	1:249:B:VAL:HG13	1:249:B:VAL:H	11	0.11
(3,1034)	1:249:B:VAL:HG12	1:250:B:LYS:H	4	0.11
(3,1034)	1:249:B:VAL:HG13	1:250:B:LYS:H	12	0.11
(3,1033)	1:249:A:VAL:HG12	1:250:A:LYS:H	4	0.11
(3,1033)	1:249:A:VAL:HG13	1:250:A:LYS:H	12	0.11
(3,742)	1:226:B:GLU:HG3	1:227:A:ALA:HB1	9	0.11
(3,742)	1:226:B:GLU:HG3	1:227:A:ALA:HB1	17	0.11
(3,741)	1:226:A:GLU:HG3	1:227:B:ALA:HB1	5	0.11
(3,741)	1:226:A:GLU:HG3	1:227:B:ALA:HB1	9	0.11
(3,741)	1:226:A:GLU:HG3	1:227:B:ALA:HB1	17	0.11
(3,518)	1:251:B:MET:HG3	1:251:B:MET:HE3	8	0.11
(3,517)	1:251:A:MET:HG3	1:251:A:MET:HE3	8	0.11
(3,514)	1:251:B:MET:HE1	1:252:A:LYS:HA	6	0.11
(3,514)	1:251:B:MET:HE1	1:252:A:LYS:HA	17	0.11
(3,322)	1:227:B:ALA:HB2	1:226:A:GLU:HG3	6	0.11
(3,314)	1:265:B:ALA:HB3	1:265:B:ALA:HA	14	0.11
(3,304)	1:265:B:ALA:HB1	1:262:B:LEU:HB2	5	0.11
(3,303)	1:265:A:ALA:HB1	1:262:A:LEU:HB2	5	0.11
(3,179)	1:255:A:PHE:HE1	1:258:B:LEU:HD21	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,107)	1:255:A:PHE:HD2	1:251:B:MET:HG2	9	0.11
(1,2294)	1:210:B:LEU:HD12	1:211:B:ALA:H	11	0.11
(1,2293)	1:210:A:LEU:HD12	1:211:A:ALA:H	11	0.11
(1,2276)	1:239:B:GLU:HA	1:242:B:ASP:H	16	0.11
(1,2275)	1:239:A:GLU:HA	1:242:A:ASP:H	16	0.11
(1,2160)	1:251:B:MET:HE3	1:249:A:VAL:HA	11	0.11
(1,2159)	1:251:A:MET:HE2	1:249:B:VAL:HA	2	0.11
(1,2152)	1:216:B:LEU:HD21	1:213:A:ASN:HD22	2	0.11
(1,2151)	1:216:A:LEU:HD21	1:213:B:ASN:HD22	2	0.11
(1,2040)	1:250:B:LYS:HE3	1:250:B:LYS:HB3	2	0.11
(1,1960)	1:256:B:GLU:HG3	1:252:B:LYS:HE3	18	0.11
(1,1959)	1:256:A:GLU:HG3	1:252:A:LYS:HE3	18	0.11
(1,1958)	1:249:B:VAL:HA	1:252:B:LYS:HE2	14	0.11
(1,1957)	1:249:A:VAL:HA	1:252:A:LYS:HE2	14	0.11
(1,1834)	1:240:B:ARG:HD2	1:241:A:LEU:HD23	7	0.11
(1,1798)	1:239:B:GLU:HG3	1:243:B:ARG:HD3	11	0.11
(1,1797)	1:239:A:GLU:HG3	1:243:A:ARG:HD3	11	0.11
(1,1792)	1:244:B:ILE:HD13	1:243:B:ARG:HB3	16	0.11
(1,1581)	1:216:A:LEU:HD21	1:217:B:GLN:HG2	3	0.11
(1,1426)	1:255:B:PHE:HB2	1:258:B:LEU:HD13	9	0.11
(1,1420)	1:258:B:LEU:HD21	1:255:A:PHE:HD1	8	0.11
(1,1420)	1:258:B:LEU:HD23	1:255:A:PHE:HD1	13	0.11
(1,1419)	1:258:A:LEU:HD21	1:255:B:PHE:HD1	8	0.11
(1,1416)	1:258:B:LEU:HD13	1:261:B:GLU:H	6	0.11
(1,1415)	1:258:A:LEU:HD13	1:261:A:GLU:H	6	0.11
(1,1357)	1:262:A:LEU:HD21	1:262:A:LEU:HB2	7	0.11
(1,1357)	1:262:A:LEU:HD22	1:262:A:LEU:HB2	19	0.11
(1,1335)	1:269:A:LEU:HD11	1:268:B:LYS:HB2	6	0.11
(1,1333)	1:269:A:LEU:HD22	1:268:B:LYS:HD2	4	0.11
(1,1290)	1:269:B:LEU:HB3	1:269:B:LEU:HD12	6	0.11
(1,1290)	1:269:B:LEU:HB3	1:269:B:LEU:HD13	18	0.11
(1,1289)	1:269:A:LEU:HB3	1:269:A:LEU:HD12	6	0.11
(1,1289)	1:269:A:LEU:HB3	1:269:A:LEU:HD13	18	0.11
(1,1256)	1:220:B:ILE:HG22	1:223:B:LEU:HA	17	0.11
(1,1255)	1:220:A:ILE:HG22	1:223:A:LEU:HA	17	0.11
(1,1238)	1:220:B:ILE:HG12	1:220:B:ILE:HD13	6	0.11
(1,1238)	1:220:B:ILE:HG12	1:220:B:ILE:HD12	7	0.11
(1,1237)	1:220:A:ILE:HG12	1:220:A:ILE:HD13	6	0.11
(1,1237)	1:220:A:ILE:HG12	1:220:A:ILE:HD12	7	0.11
(1,1237)	1:220:A:ILE:HG12	1:220:A:ILE:HD12	12	0.11
(1,1178)	1:244:B:ILE:HD12	1:241:B:LEU:HB2	4	0.11
(1,1177)	1:244:A:ILE:HD12	1:241:A:LEU:HB2	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1172)	1:225:B:VAL:HG22	1:228:B:LYS:HD3	13	0.11
(1,1170)	1:225:B:VAL:HG23	1:228:B:LYS:HB2	18	0.11
(1,1164)	1:225:B:VAL:HG23	1:228:B:LYS:H	1	0.11
(1,1163)	1:225:A:VAL:HG23	1:228:A:LYS:H	1	0.11
(1,1152)	1:237:B:VAL:HG12	1:233:A:PHE:HZ	15	0.11
(1,970)	1:213:B:ASN:HB3	1:217:B:GLN:HG2	10	0.11
(1,788)	1:217:B:GLN:HA	1:220:B:ILE:HG21	6	0.11
(1,787)	1:217:A:GLN:HA	1:220:A:ILE:HG21	6	0.11
(1,768)	1:256:B:GLU:HG3	1:252:B:LYS:HG3	6	0.11
(1,767)	1:256:A:GLU:HG3	1:252:A:LYS:HG3	6	0.11
(1,766)	1:256:B:GLU:HG3	1:252:B:LYS:HB2	15	0.11
(1,765)	1:256:A:GLU:HG3	1:252:A:LYS:HB2	20	0.11
(1,650)	1:264:B:GLU:HB2	1:268:B:LYS:HE2	15	0.11
(1,625)	1:214:A:GLU:HG2	1:210:A:LEU:HD11	12	0.11
(1,551)	1:251:A:MET:HG3	1:255:A:PHE:HB2	8	0.11
(1,527)	1:251:A:MET:HE1	1:248:B:PHE:HE2	2	0.11
(1,369)	1:221:A:ASN:HB3	1:224:A:GLU:HB3	11	0.11
(1,348)	1:227:B:ALA:HB2	1:230:A:LEU:HG	6	0.11
(1,245)	1:263:A:SER:HB3	1:265:A:ALA:HB3	17	0.11
(1,110)	1:255:B:PHE:HZ	1:258:A:LEU:HD22	11	0.11
(1,109)	1:255:A:PHE:HZ	1:258:B:LEU:HD22	11	0.11
(1,37)	1:210:A:LEU:HD23	1:209:B:LEU:HB3	6	0.11
(1,24)	1:262:B:LEU:HD22	1:262:A:LEU:HD11	12	0.11
(1,23)	1:262:A:LEU:HD22	1:262:B:LEU:HD11	12	0.11
(3,2739)	1:271:A:ARG:H	1:269:A:LEU:HA	3	0.1
(3,2739)	1:271:A:ARG:H	1:269:A:LEU:HA	12	0.1
(3,2456)	1:217:B:GLN:HB3	1:217:B:GLN:H	12	0.1
(3,2259)	1:256:A:GLU:H	1:255:A:PHE:HB2	20	0.1
(3,2052)	1:230:B:LEU:HD11	1:227:B:ALA:H	19	0.1
(3,2051)	1:230:A:LEU:HD11	1:227:A:ALA:H	19	0.1
(3,2030)	1:265:B:ALA:H	1:264:B:GLU:HB2	3	0.1
(3,2029)	1:265:A:ALA:H	1:264:A:GLU:HB2	7	0.1
(3,2028)	1:265:B:ALA:H	1:264:B:GLU:H	15	0.1
(3,2028)	1:265:B:ALA:H	1:264:B:GLU:H	19	0.1
(3,1964)	1:249:B:VAL:HG22	1:252:B:LYS:HB3	6	0.1
(3,1963)	1:249:A:VAL:HG23	1:252:A:LYS:HB3	13	0.1
(3,1916)	1:216:B:LEU:HD22	1:217:A:GLN:HE22	17	0.1
(3,1900)	1:260:B:THR:HG23	1:259:B:ARG:HA	1	0.1
(3,1900)	1:260:B:THR:HG22	1:259:B:ARG:HA	15	0.1
(3,1868)	1:225:B:VAL:HG23	1:224:B:GLU:HB3	19	0.1
(3,1867)	1:225:A:VAL:HG23	1:224:A:GLU:HB3	19	0.1
(3,1546)	1:223:B:LEU:HD21	1:224:A:GLU:HA	2	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1546)	1:223:B:LEU:HD22	1:224:A:GLU:HA	14	0.1
(3,1546)	1:223:B:LEU:HD23	1:224:A:GLU:HA	15	0.1
(3,1546)	1:223:B:LEU:HD23	1:224:A:GLU:HA	18	0.1
(3,1510)	1:230:B:LEU:HD23	1:230:B:LEU:HG	5	0.1
(3,1509)	1:230:A:LEU:HD23	1:230:A:LEU:HG	5	0.1
(3,1466)	1:241:B:LEU:HD22	1:245:B:THR:H	6	0.1
(3,1384)	1:258:B:LEU:HA	1:258:B:LEU:HD13	10	0.1
(3,1384)	1:258:B:LEU:HA	1:258:B:LEU:HD11	13	0.1
(3,1384)	1:258:B:LEU:HA	1:258:B:LEU:HD11	14	0.1
(3,1383)	1:258:A:LEU:HA	1:258:A:LEU:HD13	10	0.1
(3,1383)	1:258:A:LEU:HA	1:258:A:LEU:HD11	14	0.1
(3,1324)	1:266:B:GLN:HG3	1:262:B:LEU:HD12	6	0.1
(3,1176)	1:225:B:VAL:HA	1:225:B:VAL:HG21	1	0.1
(3,1176)	1:225:B:VAL:HA	1:225:B:VAL:HG21	6	0.1
(3,1175)	1:225:A:VAL:HA	1:225:A:VAL:HG21	6	0.1
(3,1175)	1:225:A:VAL:HA	1:225:A:VAL:HG21	7	0.1
(3,1129)	1:237:A:VAL:HG23	1:238:A:GLN:H	18	0.1
(3,1128)	1:237:B:VAL:HG21	1:237:B:VAL:H	1	0.1
(3,1127)	1:237:A:VAL:HG23	1:237:A:VAL:H	6	0.1
(3,1034)	1:249:B:VAL:HG13	1:250:B:LYS:H	16	0.1
(3,1034)	1:249:B:VAL:HG11	1:250:B:LYS:H	19	0.1
(3,1033)	1:249:A:VAL:HG13	1:250:A:LYS:H	16	0.1
(3,1033)	1:249:A:VAL:HG13	1:250:A:LYS:H	20	0.1
(3,681)	1:212:A:GLU:HG3	1:211:A:ALA:HB1	19	0.1
(3,469)	1:246:A:ASP:HA	1:249:A:VAL:HB	15	0.1
(3,314)	1:265:B:ALA:HB1	1:265:B:ALA:HA	3	0.1
(3,314)	1:265:B:ALA:HB3	1:265:B:ALA:HA	9	0.1
(3,314)	1:265:B:ALA:HB3	1:265:B:ALA:HA	10	0.1
(3,314)	1:265:B:ALA:HB1	1:265:B:ALA:HA	12	0.1
(3,313)	1:265:A:ALA:HB3	1:265:A:ALA:HA	9	0.1
(3,313)	1:265:A:ALA:HB1	1:265:A:ALA:HA	12	0.1
(1,2258)	1:263:B:SER:HB2	1:263:B:SER:H	6	0.1
(1,2257)	1:263:A:SER:HB2	1:263:A:SER:H	6	0.1
(1,2221)	1:268:A:LYS:HE3	1:272:B:GLN:HA	10	0.1
(1,2198)	1:237:B:VAL:HG21	1:233:B:PHE:HB3	18	0.1
(1,2197)	1:237:A:VAL:HG21	1:233:A:PHE:HB3	18	0.1
(1,2189)	1:256:A:GLU:HG2	1:258:A:LEU:HD11	7	0.1
(1,2159)	1:251:A:MET:HE3	1:249:B:VAL:HA	11	0.1
(1,1774)	1:243:B:ARG:HB2	1:244:B:ILE:H	4	0.1
(1,1773)	1:243:A:ARG:HB2	1:244:A:ILE:H	17	0.1
(1,1761)	1:259:A:ARG:HG2	1:258:B:LEU:HD22	5	0.1
(1,1698)	1:255:B:PHE:HZ	1:259:B:ARG:HD3	15	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1530)	1:223:B:LEU:HD21	1:227:B:ALA:H	6	0.1
(1,1529)	1:223:A:LEU:HD21	1:227:A:ALA:H	6	0.1
(1,1425)	1:255:A:PHE:HB2	1:258:A:LEU:HD13	9	0.1
(1,1415)	1:258:A:LEU:HD11	1:261:A:GLU:H	13	0.1
(1,1358)	1:262:B:LEU:HD22	1:262:B:LEU:HB2	11	0.1
(1,1358)	1:262:B:LEU:HD22	1:262:B:LEU:HB2	19	0.1
(1,1357)	1:262:A:LEU:HD23	1:262:A:LEU:HB2	9	0.1
(1,1357)	1:262:A:LEU:HD22	1:262:A:LEU:HB2	11	0.1
(1,1351)	1:259:A:ARG:HA	1:262:A:LEU:HD22	13	0.1
(1,1255)	1:220:A:ILE:HG23	1:223:A:LEU:HA	12	0.1
(1,1238)	1:220:B:ILE:HG12	1:220:B:ILE:HD12	5	0.1
(1,1238)	1:220:B:ILE:HG12	1:220:B:ILE:HD13	17	0.1
(1,1237)	1:220:A:ILE:HG12	1:220:A:ILE:HD12	5	0.1
(1,1237)	1:220:A:ILE:HG12	1:220:A:ILE:HD13	17	0.1
(1,1111)	1:249:A:VAL:HG12	1:252:A:LYS:HB2	6	0.1
(1,788)	1:217:B:GLN:HA	1:216:A:LEU:HD11	16	0.1
(1,765)	1:256:A:GLU:HG3	1:252:A:LYS:HB2	15	0.1
(1,649)	1:264:A:GLU:HB2	1:268:A:LYS:HE2	15	0.1
(1,641)	1:264:A:GLU:HB2	1:269:B:LEU:HD12	1	0.1
(1,535)	1:251:A:MET:HE3	1:249:B:VAL:H	20	0.1
(1,370)	1:221:B:ASN:HB3	1:224:B:GLU:HB3	11	0.1
(1,26)	1:210:B:LEU:HD11	1:209:A:LEU:HA	15	0.1

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

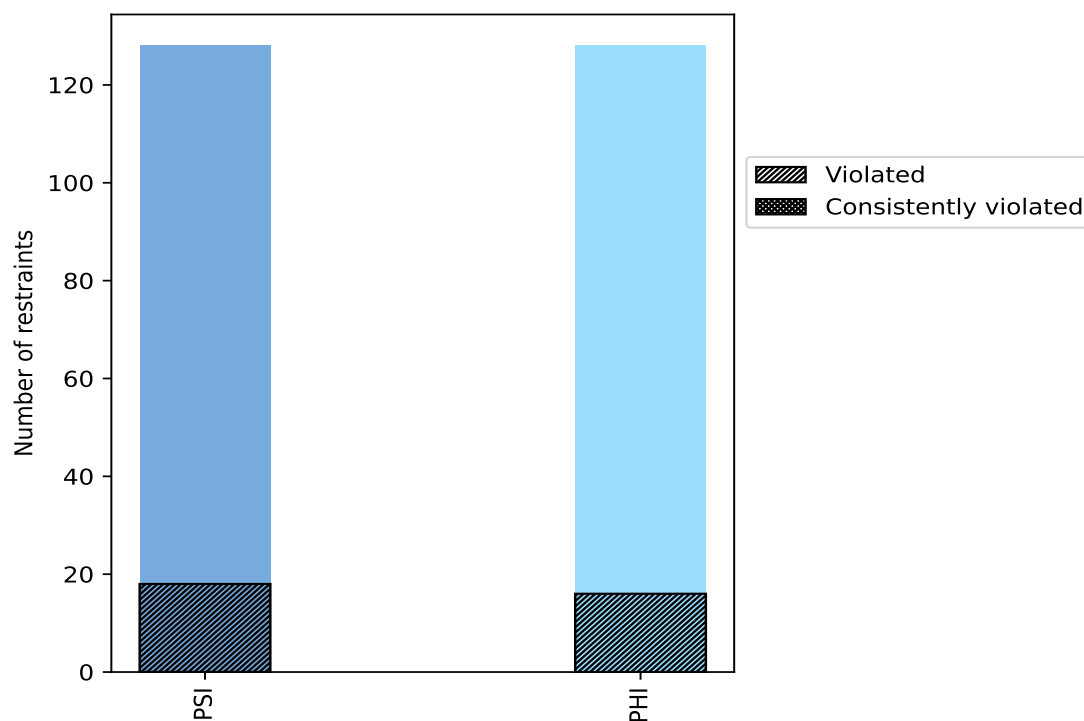
### 10.1 Summary of dihedral-angle violations [i](#)

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

Angle type	Count	% <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>
PSI	128	50.0	18	14.1	7.0	0	0.0	0.0
PHI	128	50.0	16	12.5	6.2	0	0.0	0.0
Total	256	100.0	34	13.3	13.3	0	0.0	0.0

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

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



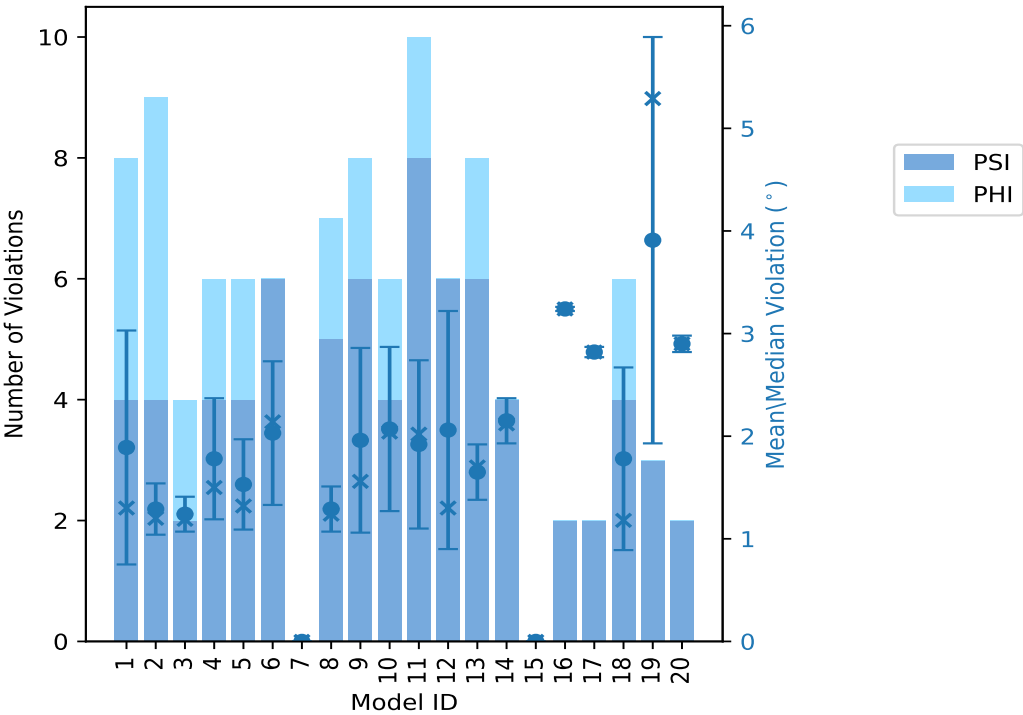
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

## 10.2 Dihedral-angle violation statistics for each model

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

Model ID	Number of violations			Mean (°)	Max (°)	SD (°)	Median (°)
	PSI	PHI	Total				
1	4	4	8	1.89	3.95	1.14	1.3
2	4	5	9	1.29	1.77	0.25	1.2
3	2	2	4	1.24	1.49	0.17	1.19
4	4	2	6	1.78	2.64	0.59	1.5
5	4	2	6	1.53	2.14	0.44	1.32
6	6	0	6	2.03	2.91	0.7	2.14
7	0	0	0	0.0	0.0	0.0	0.0
8	5	2	7	1.29	1.64	0.22	1.24
9	6	2	8	1.96	3.52	0.9	1.56
10	4	2	6	2.07	3.07	0.8	2.04
11	8	2	10	1.92	3.28	0.82	2.02
12	6	0	6	2.06	3.76	1.16	1.3
13	6	2	8	1.65	1.97	0.27	1.7
14	4	0	4	2.15	2.44	0.22	2.12
15	0	0	0	0.0	0.0	0.0	0.0
16	2	0	2	3.24	3.26	0.02	3.24
17	2	0	2	2.82	2.87	0.05	2.82
18	4	2	6	1.78	3.05	0.89	1.18
19	3	0	3	3.91	5.34	1.98	5.29
20	2	0	2	2.9	2.97	0.08	2.9

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



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

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

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

Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count <sup>1</sup>	%
7	9	16	1	5.0
3	3	6	2	10.0
2	4	6	3	15.0
2	0	2	4	20.0
0	0	0	5	25.0
1	0	1	6	30.0
1	0	1	7	35.0
0	0	0	8	40.0
0	0	0	9	45.0
0	0	0	10	50.0
0	0	0	11	55.0

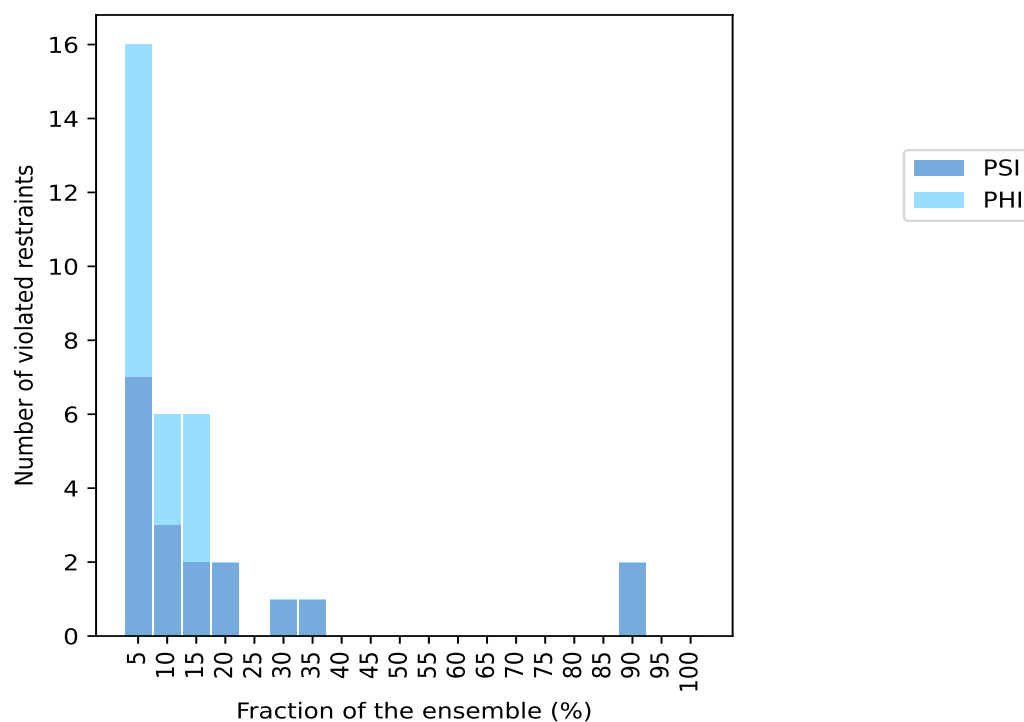
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Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count <sup>1</sup>	%
0	0	0	12	60.0
0	0	0	13	65.0
0	0	0	14	70.0
0	0	0	15	75.0
0	0	0	16	80.0
0	0	0	17	85.0
2	0	2	18	90.0
0	0	0	19	95.0
0	0	0	20	100.0

<sup>1</sup> Number of models with violations

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



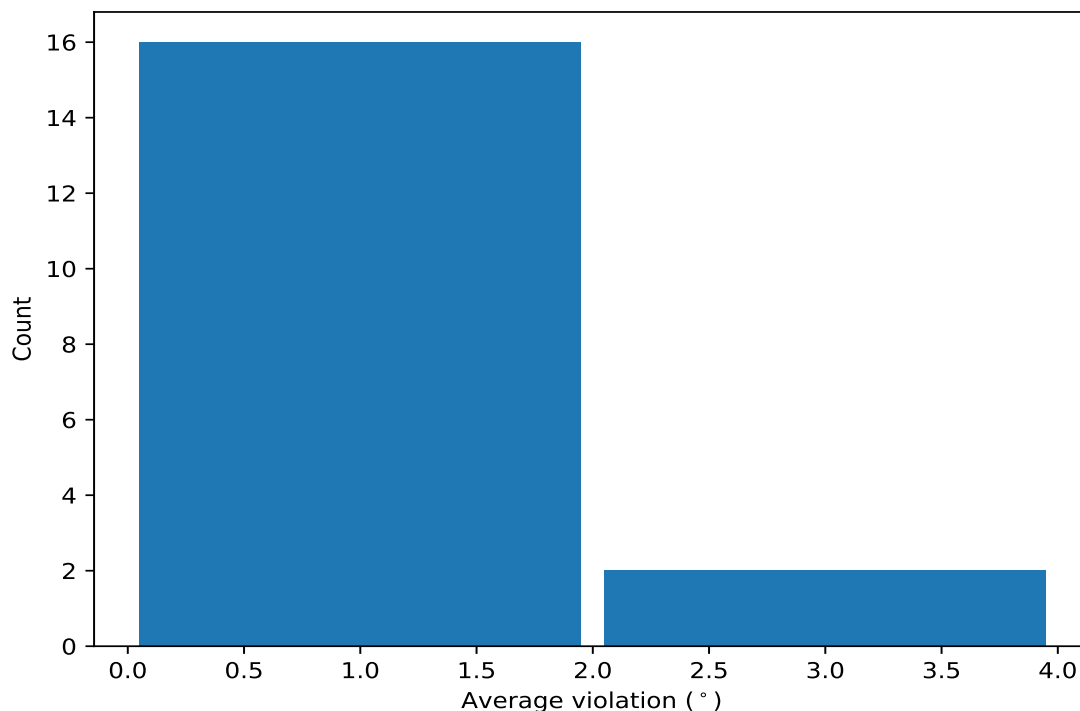
## 10.4 Most violated dihedral-angle restraints in the ensemble [i](#)

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

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



in the ensemble



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

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

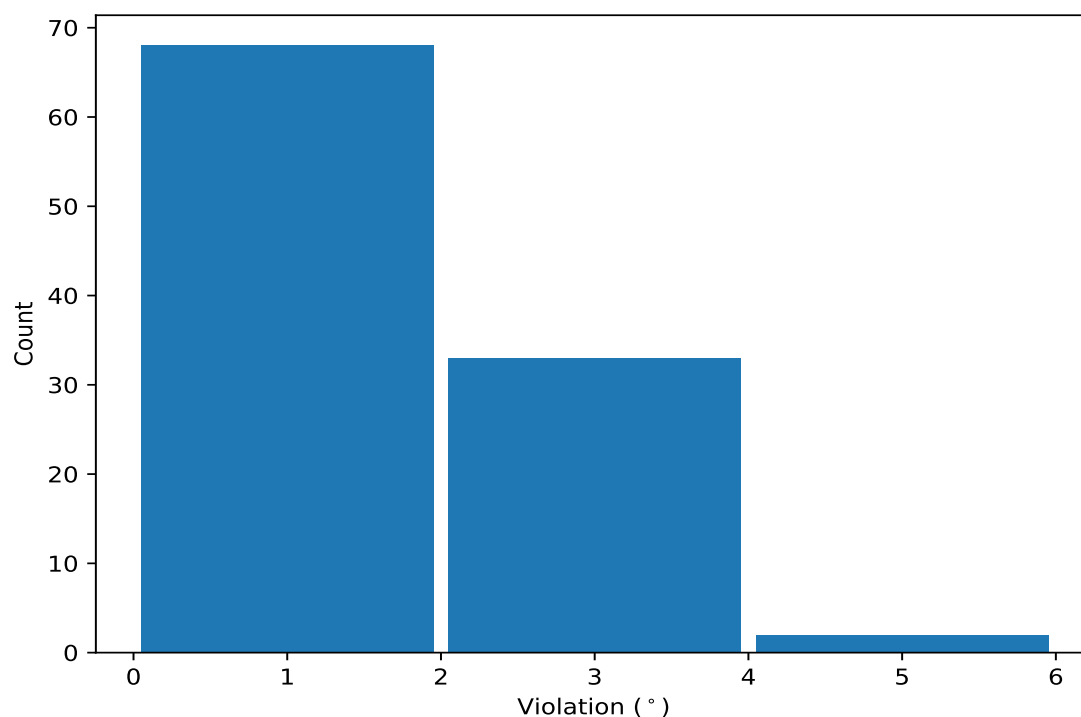
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models <sup>1</sup>	Mean	SD <sup>2</sup>	Median
(2,40)	1:226:B:GLU:N	1:226:B:GLU:CA	1:226:B:GLU:C	1:227:B:ALA:N	18	2.79	1.0	2.92
(1,40)	1:226:A:GLU:N	1:226:A:GLU:CA	1:226:A:GLU:C	1:227:A:ALA:N	18	2.79	1.0	2.86
(2,68)	1:240:B:ARG:N	1:240:B:ARG:CA	1:240:B:ARG:C	1:241:B:LEU:N	7	1.27	0.21	1.13
(1,68)	1:240:A:ARG:N	1:240:A:ARG:CA	1:240:A:ARG:C	1:241:A:LEU:N	6	1.25	0.15	1.17
(2,46)	1:229:B:ARG:N	1:229:B:ARG:CA	1:229:B:ARG:C	1:230:B:LEU:N	4	1.82	0.13	1.84
(1,46)	1:229:A:ARG:N	1:229:A:ARG:CA	1:229:A:ARG:C	1:230:A:LEU:N	4	1.79	0.16	1.81
(1,96)	1:254:A:ASN:N	1:254:A:ASN:CA	1:254:A:ASN:C	1:255:A:PHE:N	3	1.89	0.47	2.18
(2,96)	1:254:B:ASN:N	1:254:B:ASN:CA	1:254:B:ASN:C	1:255:B:PHE:N	3	1.75	0.5	2.11
(2,123)	1:267:B:GLN:C	1:268:B:LYS:N	1:268:B:LYS:CA	1:268:B:LYS:C	3	1.28	0.11	1.31
(1,123)	1:267:A:GLN:C	1:268:A:LYS:N	1:268:A:LYS:CA	1:268:A:LYS:C	3	1.22	0.02	1.22
(1,13)	1:212:A:GLU:C	1:213:A:ASN:N	1:213:A:ASN:CA	1:213:A:ASN:C	3	1.16	0.07	1.17
(2,13)	1:212:B:GLU:C	1:213:B:ASN:N	1:213:B:ASN:CA	1:213:B:ASN:C	3	1.09	0.05	1.08
(2,21)	1:216:B:LEU:C	1:217:B:GLN:N	1:217:B:GLN:CA	1:217:B:GLN:C	2	1.68	0.4	1.68
(1,21)	1:216:A:LEU:C	1:217:A:GLN:N	1:217:A:GLN:CA	1:217:A:GLN:C	2	1.66	0.35	1.66
(1,6)	1:209:A:LEU:N	1:209:A:LEU:CA	1:209:A:LEU:C	1:210:A:LEU:N	2	1.25	0.04	1.25
(2,6)	1:209:B:LEU:N	1:209:B:LEU:CA	1:209:B:LEU:C	1:210:B:LEU:N	2	1.13	0.08	1.13
(2,47)	1:229:B:ARG:C	1:230:B:LEU:N	1:230:B:LEU:CA	1:230:B:LEU:C	2	1.12	0.09	1.12
(1,128)	1:270:A:ARG:N	1:270:A:ARG:CA	1:270:A:ARG:C	1:271:A:ARG:N	2	1.1	0.03	1.1

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

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

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

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



### 10.5.2 Table: All violated dihedral-angle restraints [i](#)

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

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,40)	1:226:A:GLU:N	1:226:A:GLU:CA	1:226:A:GLU:C	1:227:A:ALA:N	19	5.34
(2,40)	1:226:B:GLU:N	1:226:B:GLU:CA	1:226:B:GLU:C	1:227:B:ALA:N	19	5.29
(2,40)	1:226:B:GLU:N	1:226:B:GLU:CA	1:226:B:GLU:C	1:227:B:ALA:N	1	3.95
(1,40)	1:226:A:GLU:N	1:226:A:GLU:CA	1:226:A:GLU:C	1:227:A:ALA:N	1	3.78
(1,40)	1:226:A:GLU:N	1:226:A:GLU:CA	1:226:A:GLU:C	1:227:A:ALA:N	12	3.76
(2,40)	1:226:B:GLU:N	1:226:B:GLU:CA	1:226:B:GLU:C	1:227:B:ALA:N	12	3.62
(2,40)	1:226:B:GLU:N	1:226:B:GLU:CA	1:226:B:GLU:C	1:227:B:ALA:N	9	3.52
(1,40)	1:226:A:GLU:N	1:226:A:GLU:CA	1:226:A:GLU:C	1:227:A:ALA:N	9	3.42
(1,40)	1:226:A:GLU:N	1:226:A:GLU:CA	1:226:A:GLU:C	1:227:A:ALA:N	11	3.28
(2,40)	1:226:B:GLU:N	1:226:B:GLU:CA	1:226:B:GLU:C	1:227:B:ALA:N	11	3.26
(2,40)	1:226:B:GLU:N	1:226:B:GLU:CA	1:226:B:GLU:C	1:227:B:ALA:N	16	3.26
(1,40)	1:226:A:GLU:N	1:226:A:GLU:CA	1:226:A:GLU:C	1:227:A:ALA:N	16	3.21
(2,40)	1:226:B:GLU:N	1:226:B:GLU:CA	1:226:B:GLU:C	1:227:B:ALA:N	10	3.07
(1,40)	1:226:A:GLU:N	1:226:A:GLU:CA	1:226:A:GLU:C	1:227:A:ALA:N	18	3.05

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(2,40)	1:226:B:GLU:N	1:226:B:GLU:CA	1:226:B:GLU:C	1:227:B:ALA:N	18	3.04
(1,40)	1:226:A:GLU:N	1:226:A:GLU:CA	1:226:A:GLU:C	1:227:A:ALA:N	10	3.04
(2,40)	1:226:B:GLU:N	1:226:B:GLU:CA	1:226:B:GLU:C	1:227:B:ALA:N	20	2.97
(1,40)	1:226:A:GLU:N	1:226:A:GLU:CA	1:226:A:GLU:C	1:227:A:ALA:N	6	2.91
(2,40)	1:226:B:GLU:N	1:226:B:GLU:CA	1:226:B:GLU:C	1:227:B:ALA:N	17	2.87
(1,40)	1:226:A:GLU:N	1:226:A:GLU:CA	1:226:A:GLU:C	1:227:A:ALA:N	20	2.82
(1,40)	1:226:A:GLU:N	1:226:A:GLU:CA	1:226:A:GLU:C	1:227:A:ALA:N	17	2.77
(2,40)	1:226:B:GLU:N	1:226:B:GLU:CA	1:226:B:GLU:C	1:227:B:ALA:N	6	2.76
(1,40)	1:226:A:GLU:N	1:226:A:GLU:CA	1:226:A:GLU:C	1:227:A:ALA:N	4	2.64
(2,40)	1:226:B:GLU:N	1:226:B:GLU:CA	1:226:B:GLU:C	1:227:B:ALA:N	4	2.56
(1,40)	1:226:A:GLU:N	1:226:A:GLU:CA	1:226:A:GLU:C	1:227:A:ALA:N	14	2.44
(2,40)	1:226:B:GLU:N	1:226:B:GLU:CA	1:226:B:GLU:C	1:227:B:ALA:N	14	2.3
(1,96)	1:254:A:ASN:N	1:254:A:ASN:CA	1:254:A:ASN:C	1:255:A:PHE:N	11	2.26
(1,96)	1:254:A:ASN:N	1:254:A:ASN:CA	1:254:A:ASN:C	1:255:A:PHE:N	6	2.18
(2,40)	1:226:B:GLU:N	1:226:B:GLU:CA	1:226:B:GLU:C	1:227:B:ALA:N	5	2.14
(1,40)	1:226:A:GLU:N	1:226:A:GLU:CA	1:226:A:GLU:C	1:227:A:ALA:N	5	2.12
(2,96)	1:254:B:ASN:N	1:254:B:ASN:CA	1:254:B:ASN:C	1:255:B:PHE:N	6	2.11
(2,96)	1:254:B:ASN:N	1:254:B:ASN:CA	1:254:B:ASN:C	1:255:B:PHE:N	11	2.11
(2,21)	1:216:B:LEU:C	1:217:B:GLN:N	1:217:B:GLN:CA	1:217:B:GLN:C	10	2.08
(1,122)	1:267:A:GLN:N	1:267:A:GLN:CA	1:267:A:GLN:C	1:268:A:LYS:N	11	2.06
(1,21)	1:216:A:LEU:C	1:217:A:GLN:N	1:217:A:GLN:CA	1:217:A:GLN:C	10	2.01
(2,122)	1:267:B:GLN:N	1:267:B:GLN:CA	1:267:B:GLN:C	1:268:B:LYS:N	11	1.98
(2,46)	1:229:B:ARG:N	1:229:B:ARG:CA	1:229:B:ARG:C	1:230:B:LEU:N	13	1.97
(1,46)	1:229:A:ARG:N	1:229:A:ARG:CA	1:229:A:ARG:C	1:230:A:LEU:N	14	1.95
(1,46)	1:229:A:ARG:N	1:229:A:ARG:CA	1:229:A:ARG:C	1:230:A:LEU:N	13	1.94
(2,46)	1:229:B:ARG:N	1:229:B:ARG:CA	1:229:B:ARG:C	1:230:B:LEU:N	14	1.92
(1,40)	1:226:A:GLU:N	1:226:A:GLU:CA	1:226:A:GLU:C	1:227:A:ALA:N	13	1.88
(2,11)	1:211:B:ALA:C	1:212:B:GLU:N	1:212:B:GLU:CA	1:212:B:GLU:C	9	1.83
(2,46)	1:229:B:ARG:N	1:229:B:ARG:CA	1:229:B:ARG:C	1:230:B:LEU:N	2	1.77
(2,40)	1:226:B:GLU:N	1:226:B:GLU:CA	1:226:B:GLU:C	1:227:B:ALA:N	13	1.74
(1,46)	1:229:A:ARG:N	1:229:A:ARG:CA	1:229:A:ARG:C	1:230:A:LEU:N	2	1.68
(2,68)	1:240:B:ARG:N	1:240:B:ARG:CA	1:240:B:ARG:C	1:241:B:LEU:N	13	1.67
(1,11)	1:211:A:ALA:C	1:212:A:GLU:N	1:212:A:GLU:CA	1:212:A:GLU:C	9	1.67
(2,46)	1:229:B:ARG:N	1:229:B:ARG:CA	1:229:B:ARG:C	1:230:B:LEU:N	8	1.64
(1,46)	1:229:A:ARG:N	1:229:A:ARG:CA	1:229:A:ARG:C	1:230:A:LEU:N	8	1.59
(1,83)	1:247:A:ASP:C	1:248:A:PHE:N	1:248:A:PHE:CA	1:248:A:PHE:C	4	1.58
(2,40)	1:226:B:GLU:N	1:226:B:GLU:CA	1:226:B:GLU:C	1:227:B:ALA:N	3	1.49
(1,68)	1:240:A:ARG:N	1:240:A:ARG:CA	1:240:A:ARG:C	1:241:A:LEU:N	13	1.49
(2,68)	1:240:B:ARG:N	1:240:B:ARG:CA	1:240:B:ARG:C	1:241:B:LEU:N	9	1.46
(1,68)	1:240:A:ARG:N	1:240:A:ARG:CA	1:240:A:ARG:C	1:241:A:LEU:N	9	1.42
(2,83)	1:247:B:ASP:C	1:248:B:PHE:N	1:248:B:PHE:CA	1:248:B:PHE:C	4	1.41
(2,123)	1:267:B:GLN:C	1:268:B:LYS:N	1:268:B:LYS:CA	1:268:B:LYS:C	5	1.39
(2,40)	1:226:B:GLU:N	1:226:B:GLU:CA	1:226:B:GLU:C	1:227:B:ALA:N	2	1.35
(2,128)	1:270:B:ARG:N	1:270:B:ARG:CA	1:270:B:ARG:C	1:271:B:ARG:N	9	1.32
(2,123)	1:267:B:GLN:C	1:268:B:LYS:N	1:268:B:LYS:CA	1:268:B:LYS:C	1	1.31
(2,68)	1:240:B:ARG:N	1:240:B:ARG:CA	1:240:B:ARG:C	1:241:B:LEU:N	12	1.31
(1,21)	1:216:A:LEU:C	1:217:A:GLN:N	1:217:A:GLN:CA	1:217:A:GLN:C	1	1.31
(1,40)	1:226:A:GLU:N	1:226:A:GLU:CA	1:226:A:GLU:C	1:227:A:ALA:N	3	1.3
(2,20)	1:216:B:LEU:N	1:216:B:LEU:CA	1:216:B:LEU:C	1:217:B:GLN:N	4	1.29
(2,21)	1:216:B:LEU:C	1:217:B:GLN:N	1:217:B:GLN:CA	1:217:B:GLN:C	1	1.28
(1,6)	1:209:A:LEU:N	1:209:A:LEU:CA	1:209:A:LEU:C	1:210:A:LEU:N	12	1.28

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,47)	1:229:A:ARG:C	1:230:A:LEU:N	1:230:A:LEU:CA	1:230:A:LEU:C	13	1.27
(1,123)	1:267:A:GLN:C	1:268:A:LYS:N	1:268:A:LYS:CA	1:268:A:LYS:C	5	1.25
(1,13)	1:212:A:GLU:C	1:213:A:ASN:N	1:213:A:ASN:CA	1:213:A:ASN:C	8	1.25
(1,40)	1:226:A:GLU:N	1:226:A:GLU:CA	1:226:A:GLU:C	1:227:A:ALA:N	8	1.24
(1,96)	1:254:A:ASN:N	1:254:A:ASN:CA	1:254:A:ASN:C	1:255:A:PHE:N	1	1.23
(2,47)	1:229:B:ARG:C	1:230:B:LEU:N	1:230:B:LEU:CA	1:230:B:LEU:C	13	1.22
(1,123)	1:267:A:GLN:C	1:268:A:LYS:N	1:268:A:LYS:CA	1:268:A:LYS:C	1	1.22
(2,6)	1:209:B:LEU:N	1:209:B:LEU:CA	1:209:B:LEU:C	1:210:B:LEU:N	12	1.21
(1,71)	1:241:A:LEU:C	1:242:A:ASP:N	1:242:A:ASP:CA	1:242:A:ASP:C	2	1.21
(1,20)	1:216:A:LEU:N	1:216:A:LEU:CA	1:216:A:LEU:C	1:217:A:GLN:N	4	1.21
(1,6)	1:209:A:LEU:N	1:209:A:LEU:CA	1:209:A:LEU:C	1:210:A:LEU:N	5	1.21
(2,71)	1:241:B:LEU:C	1:242:B:ASP:N	1:242:B:ASP:CA	1:242:B:ASP:C	2	1.2
(1,123)	1:267:A:GLN:C	1:268:A:LYS:N	1:268:A:LYS:CA	1:268:A:LYS:C	18	1.19
(1,68)	1:240:A:ARG:N	1:240:A:ARG:CA	1:240:A:ARG:C	1:241:A:LEU:N	12	1.17
(1,68)	1:240:A:ARG:N	1:240:A:ARG:CA	1:240:A:ARG:C	1:241:A:LEU:N	18	1.17
(1,13)	1:212:A:GLU:C	1:213:A:ASN:N	1:213:A:ASN:CA	1:213:A:ASN:C	2	1.17
(1,68)	1:240:A:ARG:N	1:240:A:ARG:CA	1:240:A:ARG:C	1:241:A:LEU:N	6	1.16
(2,13)	1:212:B:GLU:C	1:213:B:ASN:N	1:213:B:ASN:CA	1:213:B:ASN:C	8	1.15
(1,128)	1:270:A:ARG:N	1:270:A:ARG:CA	1:270:A:ARG:C	1:271:A:ARG:N	10	1.14
(1,40)	1:226:A:GLU:N	1:226:A:GLU:CA	1:226:A:GLU:C	1:227:A:ALA:N	2	1.14
(2,123)	1:267:B:GLN:C	1:268:B:LYS:N	1:268:B:LYS:CA	1:268:B:LYS:C	18	1.13
(2,68)	1:240:B:ARG:N	1:240:B:ARG:CA	1:240:B:ARG:C	1:241:B:LEU:N	18	1.13
(2,68)	1:240:B:ARG:N	1:240:B:ARG:CA	1:240:B:ARG:C	1:241:B:LEU:N	19	1.11
(2,68)	1:240:B:ARG:N	1:240:B:ARG:CA	1:240:B:ARG:C	1:241:B:LEU:N	6	1.09
(2,68)	1:240:B:ARG:N	1:240:B:ARG:CA	1:240:B:ARG:C	1:241:B:LEU:N	8	1.09
(2,115)	1:263:B:SER:C	1:264:B:GLU:N	1:264:B:GLU:CA	1:264:B:GLU:C	11	1.08
(2,13)	1:212:B:GLU:C	1:213:B:ASN:N	1:213:B:ASN:CA	1:213:B:ASN:C	3	1.08
(1,128)	1:270:A:ARG:N	1:270:A:ARG:CA	1:270:A:ARG:C	1:271:A:ARG:N	9	1.07
(1,115)	1:263:A:SER:C	1:264:A:GLU:N	1:264:A:GLU:CA	1:264:A:GLU:C	11	1.07
(1,110)	1:261:A:GLU:N	1:261:A:GLU:CA	1:261:A:GLU:C	1:262:A:LEU:N	11	1.07
(1,13)	1:212:A:GLU:C	1:213:A:ASN:N	1:213:A:ASN:CA	1:213:A:ASN:C	3	1.07
(1,68)	1:240:A:ARG:N	1:240:A:ARG:CA	1:240:A:ARG:C	1:241:A:LEU:N	10	1.06
(2,40)	1:226:B:GLU:N	1:226:B:GLU:CA	1:226:B:GLU:C	1:227:B:ALA:N	8	1.05
(2,6)	1:209:B:LEU:N	1:209:B:LEU:CA	1:209:B:LEU:C	1:210:B:LEU:N	5	1.05
(2,96)	1:254:B:ASN:N	1:254:B:ASN:CA	1:254:B:ASN:C	1:255:B:PHE:N	1	1.04
(2,47)	1:229:B:ARG:C	1:230:B:LEU:N	1:230:B:LEU:CA	1:230:B:LEU:C	2	1.03
(2,13)	1:212:B:GLU:C	1:213:B:ASN:N	1:213:B:ASN:CA	1:213:B:ASN:C	2	1.03
(2,110)	1:261:B:GLU:N	1:261:B:GLU:CA	1:261:B:GLU:C	1:262:B:LEU:N	11	1.01